

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BTRI-PRO-11-LED35-HO-SAL2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 105054925LAX-001
[TESTLAB] Intertek
[ISSUE DATE] 04/28/2022
[MANUFAC] Prudential Lighting
[LUMCAT] BTRI-PRO-11-LED35-HO-SAL

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4670
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	33
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.13 ft (Diameter)
Luminous Width (90-270)	1.13 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13666	13530	13416
55	13857	13679	13544
65	14405	14262	14112
75	15711	15661	15516
85	26150	26117	25275

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	1356.733	1356.733	1356.733	1356.733	1356.733	1356.733	1356.733	1356.733	1356.733	1356.733
0.5	1353.275	1353.142	1356.999	1361.388	1358.462	1361.388	1356.999	1353.142	1353.275	1353.142
1.0	1353.674	1353.940	1357.930	1361.255	1358.196	1361.255	1357.930	1353.940	1353.674	1353.940
1.5	1353.674	1353.807	1357.398	1361.388	1358.063	1361.388	1357.398	1353.807	1353.674	1353.807
2.0	1353.009	1353.541	1356.733	1360.856	1357.797	1360.856	1356.733	1353.541	1353.009	1353.541
2.5	1352.743	1352.344	1355.802	1360.324	1357.664	1360.324	1355.802	1352.344	1352.743	1352.344
3.0	1351.945	1350.881	1354.605	1360.191	1356.999	1360.191	1354.605	1350.881	1351.945	1350.881
3.5	1351.280	1349.285	1353.142	1359.393	1357.132	1359.393	1353.142	1349.285	1351.280	1349.285
4.0	1350.615	1347.955	1352.876	1358.861	1356.600	1358.861	1352.876	1347.955	1350.615	1347.955
4.5	1350.216	1347.290	1351.945	1357.930	1355.935	1357.930	1351.945	1347.290	1350.216	1347.290
5.0	1349.684	1347.290	1351.014	1356.999	1354.605	1356.999	1351.014	1347.290	1349.684	1347.290
5.5	1348.354	1346.891	1350.748	1355.669	1353.541	1355.669	1350.748	1346.891	1348.354	1346.891
6.0	1347.955	1347.556	1349.950	1354.472	1352.078	1354.472	1349.950	1347.556	1347.955	1347.556
6.5	1347.556	1346.093	1349.418	1353.408	1351.147	1353.408	1349.418	1346.093	1347.556	1346.093
7.0	1346.891	1344.896	1348.487	1353.541	1349.551	1353.541	1348.487	1344.896	1346.891	1344.896
7.5	1345.428	1342.901	1345.960	1351.812	1347.423	1351.812	1345.960	1342.901	1345.428	1342.901
8.0	1343.566	1340.108	1344.231	1351.147	1345.428	1351.147	1344.231	1340.108	1343.566	1340.108
8.5	1342.103	1337.581	1342.103	1348.620	1343.566	1348.620	1342.103	1337.581	1342.103	1337.581
9.0	1339.310	1335.719	1339.443	1345.827	1341.039	1345.827	1339.443	1335.719	1339.310	1335.719
9.5	1336.517	1334.123	1337.315	1343.167	1338.911	1343.167	1337.315	1334.123	1336.517	1334.123
10.0	1334.123	1332.660	1335.054	1339.842	1336.650	1339.842	1335.054	1332.660	1334.123	1332.660
10.5	1331.995	1329.601	1332.793	1336.650	1333.591	1336.650	1332.793	1329.601	1331.995	1329.601
11.0	1329.335	1326.808	1329.867	1333.990	1331.064	1333.990	1329.867	1326.808	1329.335	1326.808
11.5	1325.744	1323.084	1326.409	1330.665	1328.138	1330.665	1326.409	1323.084	1325.744	1323.084
12.0	1322.685	1319.360	1322.818	1327.473	1324.946	1327.473	1322.818	1319.360	1322.685	1319.360
12.5	1318.828	1316.301	1319.227	1324.148	1321.355	1324.148	1319.227	1316.301	1318.828	1316.301
13.0	1314.838	1312.710	1315.636	1321.222	1317.365	1321.222	1315.636	1312.710	1314.838	1312.710
13.5	1311.513	1309.119	1313.109	1317.631	1314.040	1317.631	1313.109	1309.119	1311.513	1309.119
14.0	1307.124	1304.198	1309.119	1312.976	1309.917	1312.976	1309.119	1304.198	1307.124	1304.198
14.5	1303.932	1299.676	1304.996	1308.853	1305.528	1308.853	1304.996	1299.676	1303.932	1299.676
15.0	1299.809	1294.888	1300.075	1304.198	1301.272	1304.198	1300.075	1294.888	1299.809	1294.888
15.5	1294.755	1290.898	1295.553	1299.676	1297.282	1299.676	1295.553	1290.898	1294.755	1290.898
16.0	1290.898	1286.376	1290.898	1295.553	1291.430	1295.553	1290.898	1286.376	1290.898	1286.376
16.5	1285.578	1281.987	1287.440	1291.297	1286.376	1291.297	1287.440	1281.987	1285.578	1281.987
17.0	1280.524	1276.933	1282.519	1286.775	1281.322	1286.775	1282.519	1276.933	1280.524	1276.933
17.5	1276.401	1271.347	1277.864	1281.987	1276.135	1281.987	1277.864	1271.347	1276.401	1271.347
18.0	1270.948	1266.027	1272.943	1276.800	1270.815	1276.800	1272.943	1266.027	1270.948	1266.027
18.5	1266.293	1261.106	1267.490	1271.746	1265.495	1271.746	1267.490	1261.106	1266.293	1261.106
19.0	1260.707	1255.387	1261.372	1266.293	1260.175	1266.293	1261.372	1255.387	1260.707	1255.387
19.5	1255.121	1249.668	1255.919	1260.707	1254.057	1260.707	1255.919	1249.668	1255.121	1249.668
20.0	1249.402	1244.082	1250.732	1255.520	1248.737	1255.520	1250.732	1244.082	1249.402	1244.082
20.5	1243.816	1238.629	1244.880	1250.200	1242.087	1250.200	1244.880	1238.629	1243.816	1238.629
21.0	1238.230	1232.644	1238.629	1243.816	1236.501	1243.816	1238.629	1232.644	1238.230	1232.644
21.5	1232.378	1225.994	1232.511	1237.964	1230.649	1237.964	1232.511	1225.994	1232.378	1225.994
22.0	1226.260	1219.211	1226.260	1231.846	1224.531	1231.846	1226.260	1219.211	1226.260	1219.211
22.5	1219.610	1212.827	1220.142	1225.595	1217.216	1225.595	1220.142	1212.827	1219.610	1212.827
23.0	1213.625	1206.177	1214.290	1219.211	1210.699	1219.211	1214.290	1206.177	1213.625	1206.177
23.5	1207.241	1199.660	1207.640	1212.960	1204.182	1212.960	1207.640	1199.660	1207.241	1199.660
24.0	1201.123	1193.143	1201.256	1205.911	1197.133	1205.911	1201.256	1193.143	1201.123	1193.143
24.5	1194.340	1186.493	1194.606	1199.527	1189.951	1199.527	1194.606	1186.493	1194.340	1186.493
25.0	1187.291	1179.577	1188.089	1192.877	1183.168	1192.877	1188.089	1179.577	1187.291	1179.577
25.5	1180.508	1172.129	1180.907	1185.961	1175.853	1185.961	1180.907	1172.129	1180.508	1172.129
26.0	1173.858	1165.080	1173.991	1179.311	1169.070	1179.311	1173.991	1165.080	1173.858	1165.080
26.5	1166.144	1157.765	1166.410	1171.863	1162.154	1171.863	1166.410	1157.765	1166.144	1157.765

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27.0	1159.228	1150.583	1159.627	1164.415	1155.238	1164.415	1159.627	1150.583	1159.228	1150.583
27.5	1152.046	1143.135	1152.312	1157.499	1147.125	1157.499	1152.312	1143.135	1152.046	1143.135
28.0	1144.997	1135.687	1144.465	1150.317	1138.746	1150.317	1144.465	1135.687	1144.997	1135.687
28.5	1138.214	1128.638	1137.017	1143.135	1131.431	1143.135	1137.017	1128.638	1138.214	1128.638
29.0	1130.633	1121.855	1129.569	1135.421	1123.717	1135.421	1129.569	1121.855	1130.633	1121.855
29.5	1123.451	1114.141	1121.722	1127.574	1115.870	1127.574	1121.722	1114.141	1123.451	1114.141
30.0	1116.003	1106.294	1113.875	1120.126	1108.821	1120.126	1113.875	1106.294	1116.003	1106.294
30.5	1108.289	1098.447	1106.294	1112.678	1100.309	1112.678	1106.294	1098.447	1108.289	1098.447
31.0	1100.841	1090.999	1098.447	1104.831	1092.462	1104.831	1098.447	1090.999	1100.841	1090.999
31.5	1093.526	1083.152	1090.467	1097.250	1084.881	1097.250	1090.467	1083.152	1093.526	1083.152
32.0	1086.078	1075.704	1082.620	1089.403	1077.167	1089.403	1082.620	1075.704	1086.078	1075.704
32.5	1078.231	1067.857	1074.640	1081.556	1069.320	1081.556	1074.640	1067.857	1078.231	1067.857
33.0	1070.916	1060.143	1067.325	1073.709	1061.340	1073.709	1067.325	1060.143	1070.916	1060.143
33.5	1063.202	1052.429	1059.611	1065.729	1053.094	1065.729	1059.611	1052.429	1063.202	1052.429
34.0	1055.621	1045.114	1051.897	1057.483	1045.646	1057.483	1051.897	1045.114	1055.621	1045.114
34.5	1048.306	1037.134	1044.050	1050.035	1037.799	1050.035	1044.050	1037.134	1048.306	1037.134
35.0	1040.725	1029.420	1036.469	1042.321	1030.085	1042.321	1036.469	1029.420	1040.725	1029.420
35.5	1033.144	1022.105	1028.755	1034.208	1022.238	1034.208	1028.755	1022.105	1033.144	1022.105
36.0	1025.563	1013.726	1021.041	1026.095	1014.125	1026.095	1021.041	1013.726	1025.563	1013.726
36.5	1018.115	1005.746	1013.859	1018.647	1006.145	1018.647	1013.859	1005.746	1018.115	1005.746
37.0	1010.401	998.165	1005.480	1010.667	998.298	1010.667	1005.480	998.165	1010.401	998.165
37.5	1002.687	990.318	997.234	1002.687	990.185	1002.687	997.234	990.318	1002.687	990.318
38.0	995.106	983.003	989.387	995.239	982.604	995.239	989.387	983.003	995.106	983.003
38.5	987.525	975.023	981.806	987.392	974.757	987.392	981.806	975.023	987.525	975.023
39.0	979.944	967.974	974.092	979.545	966.910	979.545	974.092	967.974	979.944	967.974
39.5	972.629	962.255	966.245	971.964	960.925	971.964	966.245	962.255	972.629	962.255
40.0	967.575	954.009	960.260	963.452	953.344	963.452	960.260	954.009	967.575	954.009
40.5	960.127	946.029	952.812	957.201	945.630	957.201	952.812	946.029	960.127	946.029
41.0	952.413	939.645	945.763	949.753	938.847	949.753	945.763	939.645	952.413	939.645
41.5	944.433	933.128	939.379	942.837	932.463	942.837	939.379	933.128	944.433	933.128
42.0	936.985	925.148	931.532	936.719	924.483	936.719	931.532	925.148	936.985	925.148
42.5	929.537	917.567	923.685	928.739	916.769	928.739	923.685	917.567	929.537	917.567
43.0	924.217	909.454	915.838	921.025	908.789	921.025	915.838	909.454	924.217	909.454
43.5	916.636	901.873	907.858	913.311	900.676	913.311	907.858	901.873	916.636	901.873
44.0	908.523	893.893	900.144	905.464	892.696	905.464	900.144	893.893	908.523	893.893
44.5	900.942	886.179	892.563	897.750	884.849	897.750	892.563	886.179	900.942	886.179
45.0	893.228	878.332	884.317	889.770	876.869	889.770	884.317	878.332	893.228	878.332
45.5	885.514	870.751	876.470	881.790	869.022	881.790	876.470	870.751	885.514	870.751
46.0	878.465	862.638	868.623	873.943	861.042	873.943	868.623	862.638	878.465	862.638
46.5	870.485	854.924	860.776	865.963	853.062	865.963	860.776	854.924	870.485	854.924
47.0	862.904	846.944	852.663	857.717	844.949	857.717	852.663	846.944	862.904	846.944
47.5	855.057	839.230	844.816	849.471	836.969	849.471	844.816	839.230	855.057	839.230
48.0	847.210	831.250	836.570	841.358	828.989	841.358	836.570	831.250	847.210	831.250
48.5	839.230	823.536	828.723	833.112	821.275	833.112	828.723	823.536	839.230	823.536
49.0	831.250	815.423	820.743	825.132	813.295	825.132	820.743	815.423	831.250	815.423
49.5	823.270	807.443	812.763	817.285	805.315	817.285	812.763	807.443	823.270	807.443
50.0	815.024	799.463	804.650	809.305	797.335	809.305	804.650	799.463	815.024	799.463
50.5	807.310	791.483	796.803	801.325	789.222	801.325	796.803	791.483	807.310	791.483
51.0	799.197	783.636	788.690	793.212	781.641	793.212	788.690	783.636	799.197	783.636
51.5	791.217	775.523	780.710	785.365	773.661	785.365	780.710	775.523	791.217	775.523
52.0	783.237	767.676	772.996	777.385	765.681	777.385	772.996	767.676	783.237	767.676
52.5	775.390	759.563	765.149	769.272	757.568	769.272	765.149	759.563	775.390	759.563
53.0	767.144	751.583	757.036	761.425	749.721	761.425	757.036	751.583	767.144	751.583
53.5	758.898	743.603	748.923	753.312	741.874	753.312	748.923	743.603	758.898	743.603
54.0	750.918	735.756	740.810	745.332	733.761	745.332	740.810	735.756	750.918	735.756
54.5	742.805	727.776	733.096	737.352	726.047	737.352	733.096	727.776	742.805	727.776

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55.0	734.692	719.796	725.249	729.106	718.067	729.106	725.249	719.796	734.692	719.796
55.5	726.579	711.550	717.003	721.259	710.220	721.259	717.003	711.550	726.579	711.550
56.0	718.599	703.570	709.156	713.013	702.240	713.013	709.156	703.570	718.599	703.570
56.5	710.087	695.457	700.910	704.634	693.861	704.634	700.910	695.457	710.087	695.457
57.0	701.841	687.344	692.930	696.521	686.014	696.521	692.930	687.344	701.841	687.344
57.5	693.595	679.231	684.684	688.408	677.901	688.408	684.684	679.231	693.595	679.231
58.0	685.349	671.118	676.305	679.896	669.655	679.896	676.305	671.118	685.349	671.118
58.5	676.837	663.005	668.059	671.783	661.675	671.783	668.059	663.005	676.837	663.005
59.0	668.591	654.892	659.946	663.404	653.429	663.404	659.946	654.892	668.591	654.892
59.5	660.079	646.646	651.700	654.892	645.050	654.892	651.700	646.646	660.079	646.646
60.0	651.700	638.134	643.055	646.646	636.804	646.646	643.055	638.134	651.700	638.134
60.5	643.055	629.755	634.676	638.267	628.292	638.267	634.676	629.755	643.055	629.755
61.0	634.277	621.376	626.297	629.888	619.913	629.888	626.297	621.376	634.277	621.376
61.5	625.765	612.997	617.785	621.376	611.534	621.376	617.785	612.997	625.765	612.997
62.0	616.987	604.618	609.140	612.864	603.155	612.864	609.140	604.618	616.987	604.618
62.5	607.943	595.973	600.628	604.352	594.643	604.352	600.628	595.973	607.943	595.973
63.0	598.899	587.328	591.983	595.707	585.998	595.707	591.983	587.328	598.899	587.328
63.5	589.988	578.816	583.205	587.195	577.220	587.195	583.205	578.816	589.988	578.816
64.0	581.077	570.038	574.560	578.550	568.575	578.550	574.560	570.038	581.077	570.038
64.5	571.767	561.393	565.782	569.772	559.930	569.772	565.782	561.393	571.767	561.393
65.0	562.723	552.615	557.137	561.127	551.285	561.127	557.137	552.615	562.723	552.615
65.5	553.546	543.571	548.359	552.216	542.507	552.216	548.359	543.571	553.546	543.571
66.0	544.369	534.793	539.581	543.305	533.596	543.305	539.581	534.793	544.369	534.793
66.5	535.192	526.015	530.670	534.394	524.951	534.394	530.670	526.015	535.192	526.015
67.0	526.015	516.971	521.892	525.616	516.040	525.616	521.892	516.971	526.015	516.971
67.5	516.572	507.927	513.247	516.572	507.528	516.572	513.247	507.927	516.572	507.927
68.0	507.395	498.750	504.203	507.528	498.484	507.528	504.203	498.750	507.395	498.750
68.5	498.218	489.573	495.159	498.484	489.573	498.484	495.159	489.573	498.218	489.573
69.0	488.908	480.396	486.248	489.307	480.662	489.307	486.248	480.396	488.908	480.396
69.5	479.465	471.352	477.204	480.263	471.884	480.263	477.204	471.352	479.465	471.352
70.0	470.421	462.175	468.160	471.086	462.973	471.086	468.160	462.175	470.421	462.175
70.5	461.111	453.131	459.249	462.042	453.929	462.042	459.249	453.131	461.111	453.131
71.0	451.535	443.954	450.072	452.732	444.885	452.732	450.072	443.954	451.535	443.954
71.5	442.358	434.644	440.895	443.555	435.841	443.555	440.895	434.644	442.358	434.644
72.0	433.048	425.467	431.585	433.979	426.664	433.979	431.585	425.467	433.048	425.467
72.5	423.738	416.157	422.275	424.802	417.620	424.802	422.275	416.157	423.738	416.157
73.0	414.295	406.847	412.965	415.492	408.576	415.492	412.965	406.847	414.295	406.847
73.5	404.586	397.537	403.389	406.049	399.532	406.049	403.389	397.537	404.586	397.537
74.0	395.010	388.227	393.813	396.606	390.621	396.606	393.813	388.227	395.010	388.227
74.5	385.434	378.917	384.370	387.163	381.178	387.163	384.370	378.917	385.434	378.917
75.0	375.858	369.474	374.661	377.321	371.203	377.321	374.661	369.474	375.858	369.474
75.5	366.149	360.031	364.952	368.011	361.361	368.011	364.952	360.031	366.149	360.031
76.0	356.440	350.588	355.376	358.435	351.652	358.435	355.376	350.588	356.440	350.588
76.5	346.997	341.278	345.800	348.992	342.076	348.992	345.800	341.278	346.997	341.278
77.0	337.554	331.835	336.490	339.549	332.633	339.549	336.490	331.835	337.554	331.835
77.5	328.244	322.525	327.313	330.638	323.190	330.638	327.313	322.525	328.244	322.525
78.0	319.200	313.348	318.269	321.461	313.747	321.461	318.269	313.348	319.200	313.348
78.5	310.289	304.437	309.491	312.683	304.570	312.683	309.491	304.437	310.289	304.437
79.0	301.378	295.659	300.713	304.038	295.659	304.038	300.713	295.659	301.378	295.659
79.5	292.733	286.881	292.201	295.526	286.881	295.526	292.201	286.881	292.733	286.881
80.0	284.088	278.369	283.822	287.280	278.236	287.280	283.822	278.369	284.088	278.369
80.5	275.842	270.123	275.576	279.167	269.990	279.167	275.576	270.123	275.842	270.123
81.0	267.729	262.010	267.596	271.054	261.744	271.054	267.596	262.010	267.729	262.010
81.5	260.015	254.030	259.749	263.340	253.897	263.340	259.749	254.030	260.015	254.030
82.0	252.301	246.183	252.301	255.626	246.183	255.626	252.301	246.183	252.301	246.183
82.5	244.986	238.602	244.853	248.311	238.602	248.311	244.853	238.602	244.986	238.602

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83.0	237.671	231.287	237.671	240.996	231.287	240.996	237.671	231.287	237.671	231.287
83.5	230.622	224.238	230.489	233.947	224.105	233.947	230.489	224.238	230.622	224.238
84.0	223.839	217.189	223.573	227.031	216.923	227.031	223.573	217.189	223.839	217.189
84.5	217.189	210.406	216.923	220.115	210.140	220.115	216.923	210.406	217.189	210.406
85.0	210.672	203.623	210.406	213.332	203.623	213.332	210.406	203.623	210.672	203.623
85.5	204.554	197.372	204.022	206.948	197.239	206.948	204.022	197.372	204.554	197.372
86.0	198.436	191.254	197.904	200.830	190.988	200.830	197.904	191.254	198.436	191.254
86.5	192.451	185.402	191.919	194.712	185.136	194.712	191.919	185.402	192.451	185.402
87.0	186.732	179.683	186.067	188.860	179.284	188.860	186.067	179.683	186.732	179.683
87.5	181.279	174.097	180.614	183.274	173.831	183.274	180.614	174.097	181.279	174.097
88.0	176.092	168.910	175.294	178.087	168.511	178.087	175.294	168.910	176.092	168.910
88.5	171.038	164.122	170.506	173.166	163.590	173.166	170.506	164.122	171.038	164.122
89.0	166.383	159.600	165.851	168.511	158.935	168.511	165.851	159.600	166.383	159.600
89.5	161.994	155.344	161.595	164.255	154.679	164.255	161.595	155.344	161.994	155.344
90.0	158.536	152.152	158.137	160.664	151.088	160.664	158.137	152.152	158.536	152.152
90.5	156.009	149.625	155.477	158.004	148.428	158.004	155.477	149.625	156.009	149.625
91.0	153.748	147.497	153.349	155.743	146.300	155.743	153.349	147.497	153.748	147.497
91.5	151.753	145.635	151.354	153.748	144.172	153.748	151.354	145.635	151.753	145.635
92.0	149.891	143.773	149.492	151.886	142.310	151.886	149.492	143.773	149.891	143.773
92.5	148.029	142.044	147.630	150.024	140.315	150.024	147.630	142.044	148.029	142.044
93.0	146.300	140.315	145.901	148.162	138.586	148.162	145.901	140.315	146.300	140.315
93.5	144.438	138.586	144.172	146.300	136.724	146.300	144.172	138.586	144.438	138.586
94.0	142.709	136.857	142.443	144.571	134.995	144.571	142.443	136.857	142.709	136.857
94.5	141.113	135.261	140.847	142.842	133.266	142.842	140.847	135.261	141.113	135.261
95.0	139.517	133.665	139.118	141.246	131.537	141.246	139.118	133.665	139.517	133.665
95.5	137.788	132.069	137.522	139.650	129.941	139.650	137.522	132.069	137.788	132.069
96.0	136.325	130.473	135.793	137.921	128.345	137.921	135.793	130.473	136.325	130.473
96.5	134.729	129.010	134.064	136.192	126.749	136.192	134.064	129.010	134.729	129.010
97.0	133.133	127.281	132.335	134.596	125.286	134.596	132.335	127.281	133.133	127.281
97.5	131.537	125.685	130.739	132.867	123.690	132.867	130.739	125.685	131.537	125.685
98.0	129.941	124.089	129.010	131.138	122.227	131.138	129.010	124.089	129.941	124.089
98.5	128.345	122.360	127.414	129.409	120.764	129.409	127.414	122.360	128.345	122.360
99.0	126.749	120.764	125.685	127.813	119.168	127.813	125.685	120.764	126.749	120.764
99.5	125.153	119.035	123.956	126.217	117.705	126.217	123.956	119.035	125.153	119.035
100.0	123.690	117.439	122.360	124.488	116.242	124.488	122.360	117.439	123.690	117.439
100.5	122.227	115.710	120.764	122.892	114.779	122.892	120.764	115.710	122.227	115.710
101.0	120.764	114.247	119.168	121.429	113.316	121.429	119.168	114.247	120.764	114.247
101.5	119.301	112.784	117.705	119.833	111.853	119.833	117.705	112.784	119.301	112.784
102.0	117.971	111.188	116.242	118.237	110.390	118.237	116.242	111.188	117.971	111.188
102.5	116.508	109.858	114.646	116.774	109.060	116.774	114.646	109.858	116.508	109.858
103.0	115.178	108.395	113.316	115.311	107.597	115.311	113.316	108.395	115.178	108.395
103.5	113.848	107.065	111.853	113.848	106.134	113.848	111.853	107.065	113.848	107.065
104.0	112.518	105.735	110.523	112.518	104.804	112.518	110.523	105.735	112.518	105.735
104.5	111.188	104.405	109.193	111.055	103.341	111.055	109.193	104.405	111.188	104.405
105.0	109.858	103.075	107.730	109.725	102.011	109.725	107.730	103.075	109.858	103.075
105.5	108.528	101.878	106.533	108.395	100.681	108.395	106.533	101.878	108.528	101.878
106.0	107.198	100.681	105.203	107.198	99.351	107.198	105.203	100.681	107.198	100.681
106.5	105.868	99.617	104.006	105.868	98.154	105.868	104.006	99.617	105.868	99.617
107.0	104.671	98.420	102.942	104.538	96.957	104.538	102.942	98.420	104.671	98.420
107.5	103.341	97.356	101.745	103.341	95.627	103.341	101.745	97.356	103.341	97.356
108.0	102.144	96.159	100.681	102.144	94.430	102.144	100.681	96.159	102.144	96.159
108.5	100.947	94.962	99.484	100.947	93.100	100.947	99.484	94.962	100.947	94.962
109.0	99.883	93.765	98.420	99.883	91.903	99.883	98.420	93.765	99.883	93.765
109.5	98.686	92.701	97.223	98.686	90.706	98.686	97.223	92.701	98.686	92.701
110.0	97.489	91.504	96.026	97.622	89.642	97.622	96.026	91.504	97.489	91.504
110.5	96.292	90.307	94.829	96.425	88.445	96.425	94.829	90.307	96.292	90.307

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111.0	95.095	89.110	93.765	95.361	87.248	95.361	93.765	89.110	95.095	89.110
111.5	93.898	87.913	92.568	94.164	86.051	94.164	92.568	87.913	93.898	87.913
112.0	92.834	86.716	91.371	93.100	84.987	93.100	91.371	86.716	92.834	86.716
112.5	91.770	85.519	90.174	91.903	83.923	91.903	90.174	85.519	91.770	85.519
113.0	90.706	84.455	89.110	90.839	82.992	90.839	89.110	84.455	90.706	84.455
113.5	89.642	83.391	87.913	89.775	81.928	89.775	87.913	83.391	89.642	83.391
114.0	88.578	82.327	86.716	88.578	80.864	88.578	86.716	82.327	88.578	82.327
114.5	87.647	81.263	85.519	87.514	79.933	87.514	85.519	81.263	87.647	81.263
115.0	86.583	80.332	84.322	86.317	79.002	86.317	84.322	80.332	86.583	80.332
115.5	85.652	79.401	83.258	85.253	77.938	85.253	83.258	79.401	85.652	79.401
116.0	84.588	78.603	82.194	84.189	77.007	84.189	82.194	78.603	84.588	78.603
116.5	83.657	77.805	80.997	82.992	76.076	82.992	80.997	77.805	83.657	77.805
117.0	82.726	77.007	79.933	81.928	75.278	81.928	79.933	77.007	82.726	77.007
117.5	81.795	76.076	78.736	80.864	74.347	80.864	78.736	76.076	81.795	76.076
118.0	80.864	75.278	77.672	79.800	73.416	79.800	77.672	75.278	80.864	75.278
118.5	79.933	74.347	76.741	78.603	72.485	78.603	76.741	74.347	79.933	74.347
119.0	79.135	73.549	75.810	77.539	71.554	77.539	75.810	73.549	79.135	73.549
119.5	78.204	72.618	74.879	76.475	70.756	76.475	74.879	72.618	78.204	72.618
120.0	77.273	71.820	73.948	75.411	69.825	75.411	73.948	71.820	77.273	71.820
120.5	76.475	71.022	73.017	74.347	69.027	74.347	73.017	71.022	76.475	71.022
121.0	75.544	70.091	72.086	73.283	68.096	73.283	72.086	70.091	75.544	70.091
121.5	74.613	69.293	71.288	72.086	67.298	72.086	71.288	69.293	74.613	69.293
122.0	73.815	68.495	70.224	70.889	66.500	70.889	70.224	68.495	73.815	68.495
122.5	72.884	67.830	69.293	69.825	65.702	69.825	69.293	67.830	72.884	67.830
123.0	72.086	66.899	68.362	68.894	64.771	68.894	68.362	66.899	72.086	66.899
123.5	71.155	66.234	67.431	67.830	63.973	67.830	67.431	66.234	71.155	66.234
124.0	70.357	65.436	66.500	66.899	63.175	66.899	66.500	65.436	70.357	65.436
124.5	69.426	64.638	65.569	65.968	62.377	65.968	65.569	64.638	69.426	64.638
125.0	68.628	63.840	64.638	65.037	61.579	65.037	64.638	63.840	68.628	63.840
125.5	67.697	63.175	63.840	64.239	60.781	64.239	63.840	63.175	67.697	63.175
126.0	66.899	62.377	62.909	63.308	59.983	63.308	62.909	62.377	66.899	62.377
126.5	65.968	61.579	61.978	62.510	59.185	62.510	61.978	61.579	65.968	61.579
127.0	65.170	60.914	61.047	61.579	58.387	61.579	61.047	60.914	65.170	60.914
127.5	64.239	60.116	60.116	60.648	57.722	60.648	60.116	60.116	64.239	60.116
128.0	63.308	59.451	59.185	59.717	57.057	59.717	59.185	59.451	63.308	59.451
128.5	62.510	58.653	58.254	58.786	56.392	58.786	58.254	58.653	62.510	58.653
129.0	61.579	57.988	57.456	57.988	55.727	57.988	57.456	57.988	61.579	57.988
129.5	60.648	57.190	56.392	57.057	55.195	57.057	56.392	57.190	60.648	57.190
130.0	59.850	56.392	55.461	55.993	54.530	55.993	55.461	56.392	59.850	56.392
130.5	58.919	55.594	54.530	55.062	53.865	55.062	54.530	55.594	58.919	55.594
131.0	57.988	54.929	53.732	54.131	53.333	54.131	53.732	54.929	57.988	54.929
131.5	57.057	54.131	52.801	53.200	52.801	53.200	52.801	54.131	57.057	54.131
132.0	56.126	53.333	51.870	52.269	52.136	52.269	51.870	53.333	56.126	53.333
132.5	55.062	52.535	51.072	51.338	51.471	51.338	51.072	52.535	55.062	52.535
133.0	54.131	51.737	50.141	50.407	50.806	50.407	50.141	51.737	54.131	51.737
133.5	53.067	50.939	49.343	49.609	50.141	49.609	49.343	50.939	53.067	50.939
134.0	52.136	50.141	48.545	48.678	49.343	48.678	48.545	50.141	52.136	50.141
134.5	51.072	49.343	47.747	47.880	48.678	47.880	47.747	49.343	51.072	49.343
135.0	50.008	48.545	46.949	47.082	48.013	47.082	46.949	48.545	50.008	48.545
135.5	48.944	47.747	46.151	46.284	47.215	46.284	46.151	47.747	48.944	47.747
136.0	47.880	46.949	45.220	45.486	46.417	45.486	45.220	46.949	47.880	46.949
136.5	46.816	46.151	44.422	44.688	45.752	44.688	44.422	46.151	46.816	46.151
137.0	45.752	45.353	43.624	43.757	44.954	43.757	43.624	45.353	45.752	45.353
137.5	44.688	44.555	42.959	43.092	44.289	43.092	42.959	44.555	44.688	44.555
138.0	43.491	43.757	42.161	42.294	43.491	42.294	42.161	43.757	43.491	43.757
138.5	42.427	42.826	41.363	41.496	42.693	41.496	41.363	42.826	42.427	42.826

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139.0	41.363	42.028	40.698	40.698	41.895	40.698	40.698	42.028	41.363	42.028
139.5	40.166	41.230	39.900	39.900	41.097	39.900	39.900	41.230	40.166	41.230
140.0	39.102	40.299	39.235	39.102	40.299	39.102	39.235	40.299	39.102	40.299
140.5	37.905	39.501	38.437	38.437	39.501	38.437	38.437	39.501	37.905	39.501
141.0	36.841	38.570	37.772	37.639	38.703	37.639	37.772	38.570	36.841	38.570
141.5	35.777	37.772	36.974	36.841	37.772	36.841	36.974	37.772	35.777	37.772
142.0	34.580	36.841	36.309	36.043	36.841	36.043	36.309	36.841	34.580	36.841
142.5	33.649	36.043	35.644	35.378	35.910	35.378	35.644	36.043	33.649	36.043
143.0	32.585	35.112	34.846	34.580	34.979	34.580	34.846	35.112	32.585	35.112
143.5	31.654	34.181	34.181	33.782	34.181	33.782	34.181	34.181	31.654	34.181
144.0	30.723	33.250	33.516	33.117	33.250	33.117	33.516	33.250	30.723	33.250
144.5	29.792	32.452	32.718	32.319	32.319	32.319	32.718	32.452	29.792	32.452
145.0	28.994	31.521	31.920	31.521	31.388	31.521	31.920	31.521	28.994	31.521
145.5	28.063	30.590	31.255	30.723	30.457	30.723	31.255	30.590	28.063	30.590
146.0	27.265	29.659	30.457	29.925	29.526	29.925	30.457	29.659	27.265	29.659
146.5	26.334	28.728	29.659	29.127	28.595	29.127	29.659	28.728	26.334	28.728
147.0	25.403	27.797	28.861	28.329	27.664	28.329	28.861	27.797	25.403	27.797
147.5	24.605	26.999	28.196	27.398	26.733	27.398	28.196	26.999	24.605	26.999
148.0	23.674	26.068	27.398	26.600	25.802	26.600	27.398	26.068	23.674	26.068
148.5	22.876	25.270	26.600	25.802	24.871	25.802	26.600	25.270	22.876	25.270
149.0	22.211	24.339	25.802	24.871	23.940	24.871	25.802	24.339	22.211	24.339
149.5	21.413	23.541	25.004	24.073	23.142	24.073	25.004	23.541	21.413	23.541
150.0	20.748	22.610	24.206	23.142	22.211	23.142	24.206	22.610	20.748	22.610
150.5	19.950	21.812	23.408	22.344	21.280	22.344	23.408	21.812	19.950	21.812
151.0	19.285	21.014	22.610	21.546	20.482	21.546	22.610	21.014	19.285	21.014
151.5	18.620	20.083	21.679	20.615	19.551	20.615	21.679	20.083	18.620	20.083
152.0	17.955	19.285	20.881	19.817	18.753	19.817	20.881	19.285	17.955	19.285
152.5	17.290	18.620	20.083	18.886	17.955	18.886	20.083	18.620	17.290	18.620
153.0	16.625	17.822	19.285	18.088	17.157	18.088	19.285	17.822	16.625	17.822
153.5	15.960	17.157	18.487	17.157	16.492	17.157	18.487	17.157	15.960	17.157
154.0	15.295	16.492	17.556	16.359	15.694	16.359	17.556	16.492	15.295	16.492
154.5	14.763	15.960	16.758	15.561	15.029	15.561	16.758	15.960	14.763	15.960
155.0	14.098	15.295	16.093	14.763	14.231	14.763	16.093	15.295	14.098	15.295
155.5	13.566	14.630	15.295	13.965	13.566	13.965	15.295	14.630	13.566	14.630
156.0	13.034	14.098	14.630	13.300	12.768	13.300	14.630	14.098	13.034	14.098
156.5	12.502	13.433	13.965	12.635	12.103	12.635	13.965	13.433	12.502	13.433
157.0	11.970	12.901	13.300	11.970	11.305	11.970	13.300	12.901	11.970	12.901
157.5	11.438	12.236	12.768	11.438	10.507	11.438	12.768	12.236	11.438	12.236
158.0	11.039	11.704	12.103	10.773	9.842	10.773	12.103	11.704	11.039	11.704
158.5	10.507	11.172	11.571	10.241	9.177	10.241	11.571	11.172	10.507	11.172
159.0	9.975	10.640	10.906	9.576	8.379	9.576	10.906	10.640	9.975	10.640
159.5	9.576	9.975	10.374	9.044	7.714	9.044	10.374	9.975	9.576	9.975
160.0	9.177	9.443	9.709	8.512	7.182	8.512	9.709	9.443	9.177	9.443
160.5	8.778	8.911	9.177	8.113	6.517	8.113	9.177	8.911	8.778	8.911
161.0	8.246	8.512	8.645	7.581	5.985	7.581	8.645	8.512	8.246	8.512
161.5	7.980	7.980	8.113	7.049	5.453	7.049	8.113	7.980	7.980	7.980
162.0	7.581	7.448	7.714	6.650	4.921	6.650	7.714	7.448	7.581	7.448
162.5	7.182	7.049	7.182	6.251	4.522	6.251	7.182	7.049	7.182	7.049
163.0	6.916	6.650	6.650	5.719	4.123	5.719	6.650	6.650	6.916	6.650
163.5	6.517	6.251	6.251	5.320	3.857	5.320	6.251	6.251	6.517	6.251
164.0	6.251	5.852	5.719	4.921	3.458	4.921	5.719	5.852	6.251	5.852
164.5	5.985	5.586	5.320	4.522	3.192	4.522	5.320	5.586	5.985	5.586
165.0	5.586	5.187	4.921	4.123	3.059	4.123	4.921	5.187	5.586	5.187
165.5	5.320	4.921	4.522	3.724	2.793	3.724	4.522	4.921	5.320	4.921
166.0	5.054	4.655	4.123	3.458	2.660	3.458	4.123	4.655	5.054	4.655
166.5	4.788	4.389	3.724	3.192	2.527	3.192	3.724	4.389	4.788	4.389

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167.0	4.389	4.123	3.458	2.926	2.261	2.926	3.458	4.123	4.389	4.123
167.5	4.123	3.990	3.192	2.660	2.128	2.660	3.192	3.990	4.123	3.990
168.0	3.857	3.724	2.926	2.527	1.995	2.527	2.926	3.724	3.857	3.724
168.5	3.591	3.458	2.793	2.394	1.729	2.394	2.793	3.458	3.591	3.458
169.0	3.458	3.192	2.527	2.128	1.729	2.128	2.527	3.192	3.458	3.192
169.5	3.192	2.926	2.394	2.128	1.596	2.128	2.394	2.926	3.192	2.926
170.0	2.926	2.660	2.261	1.995	1.463	1.995	2.261	2.660	2.926	2.660
170.5	2.660	2.527	2.128	1.862	1.330	1.862	2.128	2.527	2.660	2.527
171.0	2.394	2.261	1.995	1.729	1.197	1.729	1.995	2.261	2.394	2.261
171.5	2.261	2.128	1.862	1.596	1.064	1.596	1.862	2.128	2.261	2.128
172.0	1.995	1.862	1.729	1.596	1.064	1.596	1.729	1.862	1.995	1.862
172.5	1.729	1.729	1.463	1.463	0.931	1.463	1.463	1.729	1.729	1.729
173.0	1.463	1.596	1.197	1.330	0.798	1.330	1.197	1.596	1.463	1.596
173.5	1.330	1.463	1.064	1.197	0.798	1.197	1.064	1.463	1.330	1.463
174.0	1.197	1.330	0.931	0.931	0.665	0.931	0.931	1.330	1.197	1.330
174.5	1.064	1.064	0.798	0.798	0.532	0.798	0.798	1.064	1.064	1.064
175.0	0.931	0.931	0.798	0.665	0.399	0.665	0.798	0.931	0.931	0.931
175.5	0.798	0.665	0.665	0.532	0.399	0.532	0.665	0.665	0.798	0.665
176.0	0.665	0.532	0.532	0.399	0.266	0.399	0.532	0.532	0.665	0.532
176.5	0.532	0.532	0.399	0.399	0.133	0.399	0.399	0.532	0.532	0.532
177.0	0.532	0.399	0.266	0.266	0.133	0.266	0.266	0.399	0.532	0.399
177.5	0.399	0.399	0.266	0.133	0.133	0.133	0.266	0.399	0.399	0.399
178.0	0.266	0.266	0.266	0.133	0.000	0.133	0.266	0.266	0.266	0.266
178.5	0.266	0.266	0.133	0.133	0.000	0.133	0.133	0.266	0.266	0.266
179.0	0.133	0.133	0.133	0.133	0.000	0.133	0.133	0.133	0.133	0.133
179.5	0.133	0.133	0.000	0.000	0.000	0.000	0.000	0.133	0.133	0.133
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1356.733	1356.733	1356.733	1356.733	1356.733	1356.733	1356.733
0.5	1356.999	1361.388	1358.462	1361.388	1356.999	1353.142	1353.275
1.0	1357.930	1361.255	1358.196	1361.255	1357.930	1353.940	1353.674
1.5	1357.398	1361.388	1358.063	1361.388	1357.398	1353.807	1353.674
2.0	1356.733	1360.856	1357.797	1360.856	1356.733	1353.541	1353.009
2.5	1355.802	1360.324	1357.664	1360.324	1355.802	1352.344	1352.743
3.0	1354.605	1360.191	1356.999	1360.191	1354.605	1350.881	1351.945
3.5	1353.142	1359.393	1357.132	1359.393	1353.142	1349.285	1351.280
4.0	1352.876	1358.861	1356.600	1358.861	1352.876	1347.955	1350.615
4.5	1351.945	1357.930	1355.935	1357.930	1351.945	1347.290	1350.216
5.0	1351.014	1356.999	1354.605	1356.999	1351.014	1347.290	1349.684
5.5	1350.748	1355.669	1353.541	1355.669	1350.748	1346.891	1348.354
6.0	1349.950	1354.472	1352.078	1354.472	1349.950	1347.556	1347.955
6.5	1349.418	1353.408	1351.147	1353.408	1349.418	1346.093	1347.556
7.0	1348.487	1353.541	1349.551	1353.541	1348.487	1344.896	1346.891
7.5	1345.960	1351.812	1347.423	1351.812	1345.960	1342.901	1345.428
8.0	1344.231	1351.147	1345.428	1351.147	1344.231	1340.108	1343.566
8.5	1342.103	1348.620	1343.566	1348.620	1342.103	1337.581	1342.103
9.0	1339.443	1345.827	1341.039	1345.827	1339.443	1335.719	1339.310
9.5	1337.315	1343.167	1338.911	1343.167	1337.315	1334.123	1336.517
10.0	1335.054	1339.842	1336.650	1339.842	1335.054	1332.660	1334.123
10.5	1332.793	1336.650	1333.591	1336.650	1332.793	1329.601	1331.995
11.0	1329.867	1333.990	1331.064	1333.990	1329.867	1326.808	1329.335
11.5	1326.409	1330.665	1328.138	1330.665	1326.409	1323.084	1325.744
12.0	1322.818	1327.473	1324.946	1327.473	1322.818	1319.360	1322.685

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CANDELA TABULATION - (Cont.)

12.5	1319.227	1324.148	1321.355	1324.148	1319.227	1316.301	1318.828
13.0	1315.636	1321.222	1317.365	1321.222	1315.636	1312.710	1314.838
13.5	1313.109	1317.631	1314.040	1317.631	1313.109	1309.119	1311.513
14.0	1309.119	1312.976	1309.917	1312.976	1309.119	1304.198	1307.124
14.5	1304.996	1308.853	1305.528	1308.853	1304.996	1299.676	1303.932
15.0	1300.075	1304.198	1301.272	1304.198	1300.075	1294.888	1299.809
15.5	1295.553	1299.676	1297.282	1299.676	1295.553	1290.898	1294.755
16.0	1290.898	1295.553	1291.430	1295.553	1290.898	1286.376	1290.898
16.5	1287.440	1291.297	1286.376	1291.297	1287.440	1281.987	1285.578
17.0	1282.519	1286.775	1281.322	1286.775	1282.519	1276.933	1280.524
17.5	1277.864	1281.987	1276.135	1281.987	1277.864	1271.347	1276.401
18.0	1272.943	1276.800	1270.815	1276.800	1272.943	1266.027	1270.948
18.5	1267.490	1271.746	1265.495	1271.746	1267.490	1261.106	1266.293
19.0	1261.372	1266.293	1260.175	1266.293	1261.372	1255.387	1260.707
19.5	1255.919	1260.707	1254.057	1260.707	1255.919	1249.668	1255.121
20.0	1250.732	1255.520	1248.737	1255.520	1250.732	1244.082	1249.402
20.5	1244.880	1250.200	1242.087	1250.200	1244.880	1238.629	1243.816
21.0	1238.629	1243.816	1236.501	1243.816	1238.629	1232.644	1238.230
21.5	1232.511	1237.964	1230.649	1237.964	1232.511	1225.994	1232.378
22.0	1226.260	1231.846	1224.531	1231.846	1226.260	1219.211	1226.260
22.5	1220.142	1225.595	1217.216	1225.595	1220.142	1212.827	1219.610
23.0	1214.290	1219.211	1210.699	1219.211	1214.290	1206.177	1213.625
23.5	1207.640	1212.960	1204.182	1212.960	1207.640	1199.660	1207.241
24.0	1201.256	1205.911	1197.133	1205.911	1201.256	1193.143	1201.123
24.5	1194.606	1199.527	1189.951	1199.527	1194.606	1186.493	1194.340
25.0	1188.089	1192.877	1183.168	1192.877	1188.089	1179.577	1187.291
25.5	1180.907	1185.961	1175.853	1185.961	1180.907	1172.129	1180.508
26.0	1173.991	1179.311	1169.070	1179.311	1173.991	1165.080	1173.858
26.5	1166.410	1171.863	1162.154	1171.863	1166.410	1157.765	1166.144
27.0	1159.627	1164.415	1155.238	1164.415	1159.627	1150.583	1159.228
27.5	1152.312	1157.499	1147.125	1157.499	1152.312	1143.135	1152.046
28.0	1144.465	1150.317	1138.746	1150.317	1144.465	1135.687	1144.997
28.5	1137.017	1143.135	1131.431	1143.135	1137.017	1128.638	1138.214
29.0	1129.569	1135.421	1123.717	1135.421	1129.569	1121.855	1130.633
29.5	1121.722	1127.574	1115.870	1127.574	1121.722	1114.141	1123.451
30.0	1113.875	1120.126	1108.821	1120.126	1113.875	1106.294	1116.003
30.5	1106.294	1112.678	1100.309	1112.678	1106.294	1098.447	1108.289
31.0	1098.447	1104.831	1092.462	1104.831	1098.447	1090.999	1100.841
31.5	1090.467	1097.250	1084.881	1097.250	1090.467	1083.152	1093.526
32.0	1082.620	1089.403	1077.167	1089.403	1082.620	1075.704	1086.078
32.5	1074.640	1081.556	1069.320	1081.556	1074.640	1067.857	1078.231
33.0	1067.325	1073.709	1061.340	1073.709	1067.325	1060.143	1070.916
33.5	1059.611	1065.729	1053.094	1065.729	1059.611	1052.429	1063.202
34.0	1051.897	1057.483	1045.646	1057.483	1051.897	1045.114	1055.621
34.5	1044.050	1050.035	1037.799	1050.035	1044.050	1037.134	1048.306
35.0	1036.469	1042.321	1030.085	1042.321	1036.469	1029.420	1040.725
35.5	1028.755	1034.208	1022.238	1034.208	1028.755	1022.105	1033.144
36.0	1021.041	1026.095	1014.125	1026.095	1021.041	1013.726	1025.563
36.5	1013.859	1018.647	1006.145	1018.647	1013.859	1005.746	1018.115
37.0	1005.480	1010.667	998.298	1010.667	1005.480	998.165	1010.401
37.5	997.234	1002.687	990.185	1002.687	997.234	990.318	1002.687
38.0	989.387	995.239	982.604	995.239	989.387	983.003	995.106
38.5	981.806	987.392	974.757	987.392	981.806	975.023	987.525
39.0	974.092	979.545	966.910	979.545	974.092	967.974	979.944
39.5	966.245	971.964	960.925	971.964	966.245	962.255	972.629
40.0	960.260	963.452	953.344	963.452	960.260	954.009	967.575

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40.5	952.812	957.201	945.630	957.201	952.812	946.029	960.127
41.0	945.763	949.753	938.847	949.753	945.763	939.645	952.413
41.5	939.379	942.837	932.463	942.837	939.379	933.128	944.433
42.0	931.532	936.719	924.483	936.719	931.532	925.148	936.985
42.5	923.685	928.739	916.769	928.739	923.685	917.567	929.537
43.0	915.838	921.025	908.789	921.025	915.838	909.454	924.217
43.5	907.858	913.311	900.676	913.311	907.858	901.873	916.636
44.0	900.144	905.464	892.696	905.464	900.144	893.893	908.523
44.5	892.563	897.750	884.849	897.750	892.563	886.179	900.942
45.0	884.317	889.770	876.869	889.770	884.317	878.332	893.228
45.5	876.470	881.790	869.022	881.790	876.470	870.751	885.514
46.0	868.623	873.943	861.042	873.943	868.623	862.638	878.465
46.5	860.776	865.963	853.062	865.963	860.776	854.924	870.485
47.0	852.663	857.717	844.949	857.717	852.663	846.944	862.904
47.5	844.816	849.471	836.969	849.471	844.816	839.230	855.057
48.0	836.570	841.358	828.989	841.358	836.570	831.250	847.210
48.5	828.723	833.112	821.275	833.112	828.723	823.536	839.230
49.0	820.743	825.132	813.295	825.132	820.743	815.423	831.250
49.5	812.763	817.285	805.315	817.285	812.763	807.443	823.270
50.0	804.650	809.305	797.335	809.305	804.650	799.463	815.024
50.5	796.803	801.325	789.222	801.325	796.803	791.483	807.310
51.0	788.690	793.212	781.641	793.212	788.690	783.636	799.197
51.5	780.710	785.365	773.661	785.365	780.710	775.523	791.217
52.0	772.996	777.385	765.681	777.385	772.996	767.676	783.237
52.5	765.149	769.272	757.568	769.272	765.149	759.563	775.390
53.0	757.036	761.425	749.721	761.425	757.036	751.583	767.144
53.5	748.923	753.312	741.874	753.312	748.923	743.603	758.898
54.0	740.810	745.332	733.761	745.332	740.810	735.756	750.918
54.5	733.096	737.352	726.047	737.352	733.096	727.776	742.805
55.0	725.249	729.106	718.067	729.106	725.249	719.796	734.692
55.5	717.003	721.259	710.220	721.259	717.003	711.550	726.579
56.0	709.156	713.013	702.240	713.013	709.156	703.570	718.599
56.5	700.910	704.634	693.861	704.634	700.910	695.457	710.087
57.0	692.930	696.521	686.014	696.521	692.930	687.344	701.841
57.5	684.684	688.408	677.901	688.408	684.684	679.231	693.595
58.0	676.305	679.896	669.655	679.896	676.305	671.118	685.349
58.5	668.059	671.783	661.675	671.783	668.059	663.005	676.837
59.0	659.946	663.404	653.429	663.404	659.946	654.892	668.591
59.5	651.700	654.892	645.050	654.892	651.700	646.646	660.079
60.0	643.055	646.646	636.804	646.646	643.055	638.134	651.700
60.5	634.676	638.267	628.292	638.267	634.676	629.755	643.055
61.0	626.297	629.888	619.913	629.888	626.297	621.376	634.277
61.5	617.785	621.376	611.534	621.376	617.785	612.997	625.765
62.0	609.140	612.864	603.155	612.864	609.140	604.618	616.987
62.5	600.628	604.352	594.643	604.352	600.628	595.973	607.943
63.0	591.983	595.707	585.998	595.707	591.983	587.328	598.899
63.5	583.205	587.195	577.220	587.195	583.205	578.816	589.988
64.0	574.560	578.550	568.575	578.550	574.560	570.038	581.077
64.5	565.782	569.772	559.930	569.772	565.782	561.393	571.767
65.0	557.137	561.127	551.285	561.127	557.137	552.615	562.723
65.5	548.359	552.216	542.507	552.216	548.359	543.571	553.546
66.0	539.581	543.305	533.596	543.305	539.581	534.793	544.369
66.5	530.670	534.394	524.951	534.394	530.670	526.015	535.192
67.0	521.892	525.616	516.040	525.616	521.892	516.971	526.015
67.5	513.247	516.572	507.528	516.572	513.247	507.927	516.572
68.0	504.203	507.528	498.484	507.528	504.203	498.750	507.395

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68.5	495.159	498.484	489.573	498.484	495.159	489.573	498.218
69.0	486.248	489.307	480.662	489.307	486.248	480.396	488.908
69.5	477.204	480.263	471.884	480.263	477.204	471.352	479.465
70.0	468.160	471.086	462.973	471.086	468.160	462.175	470.421
70.5	459.249	462.042	453.929	462.042	459.249	453.131	461.111
71.0	450.072	452.732	444.885	452.732	450.072	443.954	451.535
71.5	440.895	443.555	435.841	443.555	440.895	434.644	442.358
72.0	431.585	433.979	426.664	433.979	431.585	425.467	433.048
72.5	422.275	424.802	417.620	424.802	422.275	416.157	423.738
73.0	412.965	415.492	408.576	415.492	412.965	406.847	414.295
73.5	403.389	406.049	399.532	406.049	403.389	397.537	404.586
74.0	393.813	396.606	390.621	396.606	393.813	388.227	395.010
74.5	384.370	387.163	381.178	387.163	384.370	378.917	385.434
75.0	374.661	377.321	371.203	377.321	374.661	369.474	375.858
75.5	364.952	368.011	361.361	368.011	364.952	360.031	366.149
76.0	355.376	358.435	351.652	358.435	355.376	350.588	356.440
76.5	345.800	348.992	342.076	348.992	345.800	341.278	346.997
77.0	336.490	339.549	332.633	339.549	336.490	331.835	337.554
77.5	327.313	330.638	323.190	330.638	327.313	322.525	328.244
78.0	318.269	321.461	313.747	321.461	318.269	313.348	319.200
78.5	309.491	312.683	304.570	312.683	309.491	304.437	310.289
79.0	300.713	304.038	295.659	304.038	300.713	295.659	301.378
79.5	292.201	295.526	286.881	295.526	292.201	286.881	292.733
80.0	283.822	287.280	278.236	287.280	283.822	278.369	284.088
80.5	275.576	279.167	269.990	279.167	275.576	270.123	275.842
81.0	267.596	271.054	261.744	271.054	267.596	262.010	267.729
81.5	259.749	263.340	253.897	263.340	259.749	254.030	260.015
82.0	252.301	255.626	246.183	255.626	252.301	246.183	252.301
82.5	244.853	248.311	238.602	248.311	244.853	238.602	244.986
83.0	237.671	240.996	231.287	240.996	237.671	231.287	237.671
83.5	230.489	233.947	224.105	233.947	230.489	224.238	230.622
84.0	223.573	227.031	216.923	227.031	223.573	217.189	223.839
84.5	216.923	220.115	210.140	220.115	216.923	210.406	217.189
85.0	210.406	213.332	203.623	213.332	210.406	203.623	210.672
85.5	204.022	206.948	197.239	206.948	204.022	197.372	204.554
86.0	197.904	200.830	190.988	200.830	197.904	191.254	198.436
86.5	191.919	194.712	185.136	194.712	191.919	185.402	192.451
87.0	186.067	188.860	179.284	188.860	186.067	179.683	186.732
87.5	180.614	183.274	173.831	183.274	180.614	174.097	181.279
88.0	175.294	178.087	168.511	178.087	175.294	168.910	176.092
88.5	170.506	173.166	163.590	173.166	170.506	164.122	171.038
89.0	165.851	168.511	158.935	168.511	165.851	159.600	166.383
89.5	161.595	164.255	154.679	164.255	161.595	155.344	161.994
90.0	158.137	160.664	151.088	160.664	158.137	152.152	158.536
90.5	155.477	158.004	148.428	158.004	155.477	149.625	156.009
91.0	153.349	155.743	146.300	155.743	153.349	147.497	153.748
91.5	151.354	153.748	144.172	153.748	151.354	145.635	151.753
92.0	149.492	151.886	142.310	151.886	149.492	143.773	149.891
92.5	147.630	150.024	140.315	150.024	147.630	142.044	148.029
93.0	145.901	148.162	138.586	148.162	145.901	140.315	146.300
93.5	144.172	146.300	136.724	146.300	144.172	138.586	144.438
94.0	142.443	144.571	134.995	144.571	142.443	136.857	142.709
94.5	140.847	142.842	133.266	142.842	140.847	135.261	141.113
95.0	139.118	141.246	131.537	141.246	139.118	133.665	139.517
95.5	137.522	139.650	129.941	139.650	137.522	132.069	137.788
96.0	135.793	137.921	128.345	137.921	135.793	130.473	136.325

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CANDELA TABULATION - (Cont.)

96.5	134.064	136.192	126.749	136.192	134.064	129.010	134.729
97.0	132.335	134.596	125.286	134.596	132.335	127.281	133.133
97.5	130.739	132.867	123.690	132.867	130.739	125.685	131.537
98.0	129.010	131.138	122.227	131.138	129.010	124.089	129.941
98.5	127.414	129.409	120.764	129.409	127.414	122.360	128.345
99.0	125.685	127.813	119.168	127.813	125.685	120.764	126.749
99.5	123.956	126.217	117.705	126.217	123.956	119.035	125.153
100.0	122.360	124.488	116.242	124.488	122.360	117.439	123.690
100.5	120.764	122.892	114.779	122.892	120.764	115.710	122.227
101.0	119.168	121.429	113.316	121.429	119.168	114.247	120.764
101.5	117.705	119.833	111.853	119.833	117.705	112.784	119.301
102.0	116.242	118.237	110.390	118.237	116.242	111.188	117.971
102.5	114.646	116.774	109.060	116.774	114.646	109.858	116.508
103.0	113.316	115.311	107.597	115.311	113.316	108.395	115.178
103.5	111.853	113.848	106.134	113.848	111.853	107.065	113.848
104.0	110.523	112.518	104.804	112.518	110.523	105.735	112.518
104.5	109.193	111.055	103.341	111.055	109.193	104.405	111.188
105.0	107.730	109.725	102.011	109.725	107.730	103.075	109.858
105.5	106.533	108.395	100.681	108.395	106.533	101.878	108.528
106.0	105.203	107.198	99.351	107.198	105.203	100.681	107.198
106.5	104.006	105.868	98.154	105.868	104.006	99.617	105.868
107.0	102.942	104.538	96.957	104.538	102.942	98.420	104.671
107.5	101.745	103.341	95.627	103.341	101.745	97.356	103.341
108.0	100.681	102.144	94.430	102.144	100.681	96.159	102.144
108.5	99.484	100.947	93.100	100.947	99.484	94.962	100.947
109.0	98.420	99.883	91.903	99.883	98.420	93.765	99.883
109.5	97.223	98.686	90.706	98.686	97.223	92.701	98.686
110.0	96.026	97.622	89.642	97.622	96.026	91.504	97.489
110.5	94.829	96.425	88.445	96.425	94.829	90.307	96.292
111.0	93.765	95.361	87.248	95.361	93.765	89.110	95.095
111.5	92.568	94.164	86.051	94.164	92.568	87.913	93.898
112.0	91.371	93.100	84.987	93.100	91.371	86.716	92.834
112.5	90.174	91.903	83.923	91.903	90.174	85.519	91.770
113.0	89.110	90.839	82.992	90.839	89.110	84.455	90.706
113.5	87.913	89.775	81.928	89.775	87.913	83.391	89.642
114.0	86.716	88.578	80.864	88.578	86.716	82.327	88.578
114.5	85.519	87.514	79.933	87.514	85.519	81.263	87.647
115.0	84.322	86.317	79.002	86.317	84.322	80.332	86.583
115.5	83.258	85.253	77.938	85.253	83.258	79.401	85.652
116.0	82.194	84.189	77.007	84.189	82.194	78.603	84.588
116.5	80.997	82.992	76.076	82.992	80.997	77.805	83.657
117.0	79.933	81.928	75.278	81.928	79.933	77.007	82.726
117.5	78.736	80.864	74.347	80.864	78.736	76.076	81.795
118.0	77.672	79.800	73.416	79.800	77.672	75.278	80.864
118.5	76.741	78.603	72.485	78.603	76.741	74.347	79.933
119.0	75.810	77.539	71.554	77.539	75.810	73.549	79.135
119.5	74.879	76.475	70.756	76.475	74.879	72.618	78.204
120.0	73.948	75.411	69.825	75.411	73.948	71.820	77.273
120.5	73.017	74.347	69.027	74.347	73.017	71.022	76.475
121.0	72.086	73.283	68.096	73.283	72.086	70.091	75.544
121.5	71.288	72.086	67.298	72.086	71.288	69.293	74.613
122.0	70.224	70.889	66.500	70.889	70.224	68.495	73.815
122.5	69.293	69.825	65.702	69.825	69.293	67.830	72.884
123.0	68.362	68.894	64.771	68.894	68.362	66.899	72.086
123.5	67.431	67.830	63.973	67.830	67.431	66.234	71.155
124.0	66.500	66.899	63.175	66.899	66.500	65.436	70.357

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CANDELA TABULATION - (Cont.)

124.5	65.569	65.968	62.377	65.968	65.569	64.638	69.426
125.0	64.638	65.037	61.579	65.037	64.638	63.840	68.628
125.5	63.840	64.239	60.781	64.239	63.840	63.175	67.697
126.0	62.909	63.308	59.983	63.308	62.909	62.377	66.899
126.5	61.978	62.510	59.185	62.510	61.978	61.579	65.968
127.0	61.047	61.579	58.387	61.579	61.047	60.914	65.170
127.5	60.116	60.648	57.722	60.648	60.116	60.116	64.239
128.0	59.185	59.717	57.057	59.717	59.185	59.451	63.308
128.5	58.254	58.786	56.392	58.786	58.254	58.653	62.510
129.0	57.456	57.988	55.727	57.988	57.456	57.988	61.579
129.5	56.392	57.057	55.195	57.057	56.392	57.190	60.648
130.0	55.461	55.993	54.530	55.993	55.461	56.392	59.850
130.5	54.530	55.062	53.865	55.062	54.530	55.594	58.919
131.0	53.732	54.131	53.333	54.131	53.732	54.929	57.988
131.5	52.801	53.200	52.801	53.200	52.801	54.131	57.057
132.0	51.870	52.269	52.136	52.269	51.870	53.333	56.126
132.5	51.072	51.338	51.471	51.338	51.072	52.535	55.062
133.0	50.141	50.407	50.806	50.407	50.141	51.737	54.131
133.5	49.343	49.609	50.141	49.609	49.343	50.939	53.067
134.0	48.545	48.678	49.343	48.678	48.545	50.141	52.136
134.5	47.747	47.880	48.678	47.880	47.747	49.343	51.072
135.0	46.949	47.082	48.013	47.082	46.949	48.545	50.008
135.5	46.151	46.284	47.215	46.284	46.151	47.747	48.944
136.0	45.220	45.486	46.417	45.486	45.220	46.949	47.880
136.5	44.422	44.688	45.752	44.688	44.422	46.151	46.816
137.0	43.624	43.757	44.954	43.757	43.624	45.353	45.752
137.5	42.959	43.092	44.289	43.092	42.959	44.555	44.688
138.0	42.161	42.294	43.491	42.294	42.161	43.757	43.491
138.5	41.363	41.496	42.693	41.496	41.363	42.826	42.427
139.0	40.698	40.698	41.895	40.698	40.698	42.028	41.363
139.5	39.900	39.900	41.097	39.900	39.900	41.230	40.166
140.0	39.235	39.102	40.299	39.102	39.235	40.299	39.102
140.5	38.437	38.437	39.501	38.437	38.437	39.501	37.905
141.0	37.772	37.639	38.703	37.639	37.772	38.570	36.841
141.5	36.974	36.841	37.772	36.841	36.974	37.772	35.777
142.0	36.309	36.043	36.841	36.043	36.309	36.841	34.580
142.5	35.644	35.378	35.910	35.378	35.644	36.043	33.649
143.0	34.846	34.580	34.979	34.580	34.846	35.112	32.585
143.5	34.181	33.782	34.181	33.782	34.181	34.181	31.654
144.0	33.516	33.117	33.250	33.117	33.516	33.250	30.723
144.5	32.718	32.319	32.319	32.319	32.718	32.452	29.792
145.0	31.920	31.521	31.388	31.521	31.920	31.521	28.994
145.5	31.255	30.723	30.457	30.723	31.255	30.590	28.063
146.0	30.457	29.925	29.526	29.925	30.457	29.659	27.265
146.5	29.659	29.127	28.595	29.127	29.659	28.728	26.334
147.0	28.861	28.329	27.664	28.329	28.861	27.797	25.403
147.5	28.196	27.398	26.733	27.398	28.196	26.999	24.605
148.0	27.398	26.600	25.802	26.600	27.398	26.068	23.674
148.5	26.600	25.802	24.871	25.802	26.600	25.270	22.876
149.0	25.802	24.871	23.940	24.871	25.802	24.339	22.211
149.5	25.004	24.073	23.142	24.073	25.004	23.541	21.413
150.0	24.206	23.142	22.211	23.142	24.206	22.610	20.748
150.5	23.408	22.344	21.280	22.344	23.408	21.812	19.950
151.0	22.610	21.546	20.482	21.546	22.610	21.014	19.285
151.5	21.679	20.615	19.551	20.615	21.679	20.083	18.620
152.0	20.881	19.817	18.753	19.817	20.881	19.285	17.955

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CANDELA TABULATION - (Cont.)

152.5	20.083	18.886	17.955	18.886	20.083	18.620	17.290
153.0	19.285	18.088	17.157	18.088	19.285	17.822	16.625
153.5	18.487	17.157	16.492	17.157	18.487	17.157	15.960
154.0	17.556	16.359	15.694	16.359	17.556	16.492	15.295
154.5	16.758	15.561	15.029	15.561	16.758	15.960	14.763
155.0	16.093	14.763	14.231	14.763	16.093	15.295	14.098
155.5	15.295	13.965	13.566	13.965	15.295	14.630	13.566
156.0	14.630	13.300	12.768	13.300	14.630	14.098	13.034
156.5	13.965	12.635	12.103	12.635	13.965	13.433	12.502
157.0	13.300	11.970	11.305	11.970	13.300	12.901	11.970
157.5	12.768	11.438	10.507	11.438	12.768	12.236	11.438
158.0	12.103	10.773	9.842	10.773	12.103	11.704	11.039
158.5	11.571	10.241	9.177	10.241	11.571	11.172	10.507
159.0	10.906	9.576	8.379	9.576	10.906	10.640	9.975
159.5	10.374	9.044	7.714	9.044	10.374	9.975	9.576
160.0	9.709	8.512	7.182	8.512	9.709	9.443	9.177
160.5	9.177	8.113	6.517	8.113	9.177	8.911	8.778
161.0	8.645	7.581	5.985	7.581	8.645	8.512	8.246
161.5	8.113	7.049	5.453	7.049	8.113	7.980	7.980
162.0	7.714	6.650	4.921	6.650	7.714	7.448	7.581
162.5	7.182	6.251	4.522	6.251	7.182	7.049	7.182
163.0	6.650	5.719	4.123	5.719	6.650	6.650	6.916
163.5	6.251	5.320	3.857	5.320	6.251	6.251	6.517
164.0	5.719	4.921	3.458	4.921	5.719	5.852	6.251
164.5	5.320	4.522	3.192	4.522	5.320	5.586	5.985
165.0	4.921	4.123	3.059	4.123	4.921	5.187	5.586
165.5	4.522	3.724	2.793	3.724	4.522	4.921	5.320
166.0	4.123	3.458	2.660	3.458	4.123	4.655	5.054
166.5	3.724	3.192	2.527	3.192	3.724	4.389	4.788
167.0	3.458	2.926	2.261	2.926	3.458	4.123	4.389
167.5	3.192	2.660	2.128	2.660	3.192	3.990	4.123
168.0	2.926	2.527	1.995	2.527	2.926	3.724	3.857
168.5	2.793	2.394	1.729	2.394	2.793	3.458	3.591
169.0	2.527	2.128	1.729	2.128	2.527	3.192	3.458
169.5	2.394	2.128	1.596	2.128	2.394	2.926	3.192
170.0	2.261	1.995	1.463	1.995	2.261	2.660	2.926
170.5	2.128	1.862	1.330	1.862	2.128	2.527	2.660
171.0	1.995	1.729	1.197	1.729	1.995	2.261	2.394
171.5	1.862	1.596	1.064	1.596	1.862	2.128	2.261
172.0	1.729	1.596	1.064	1.596	1.729	1.862	1.995
172.5	1.463	1.463	0.931	1.463	1.463	1.729	1.729
173.0	1.197	1.330	0.798	1.330	1.197	1.596	1.463
173.5	1.064	1.197	0.798	1.197	1.064	1.463	1.330
174.0	0.931	0.931	0.665	0.931	0.931	1.330	1.197
174.5	0.798	0.798	0.532	0.798	0.798	1.064	1.064
175.0	0.798	0.665	0.399	0.665	0.798	0.931	0.931
175.5	0.665	0.532	0.399	0.532	0.665	0.665	0.798
176.0	0.532	0.399	0.266	0.399	0.532	0.532	0.665
176.5	0.399	0.399	0.133	0.399	0.399	0.532	0.532
177.0	0.266	0.266	0.133	0.266	0.266	0.399	0.532
177.5	0.266	0.133	0.133	0.133	0.266	0.399	0.399
178.0	0.266	0.133	0.000	0.133	0.266	0.266	0.266
178.5	0.133	0.133	0.000	0.133	0.133	0.266	0.266
179.0	0.133	0.133	0.000	0.133	0.133	0.133	0.133
179.5	0.000	0.000	0.000	0.000	0.000	0.133	0.133
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	495.14	N.A.	10.60
0-30	1041.5	N.A.	22.30
0-40	1690.18	N.A.	36.20
0-60	3021.61	N.A.	64.70
0-80	3967.46	N.A.	85.00
0-90	4198.72	N.A.	89.90
10-90	4070.13	N.A.	87.20
20-40	1195.05	N.A.	25.60
20-50	1877.76	N.A.	40.20
40-70	1882.42	N.A.	40.30
60-80	945.85	N.A.	20.30
70-80	394.85	N.A.	8.50
80-90	231.27	N.A.	5.00
90-110	263.70	N.A.	5.60
90-120	346.95	N.A.	7.40
90-130	405.24	N.A.	8.70
90-150	462.37	N.A.	9.90
90-180	471.33	N.A.	10.10
110-180	207.62	N.A.	4.40
0-180	4670.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	128.59
10-20	366.54
20-30	546.36
30-40	648.68
40-50	682.71
50-60	648.71
60-70	551.00
70-80	394.85
80-90	231.27
90-100	150.31
100-110	113.40
110-120	83.24
120-130	58.29
130-140	37.28
140-150	19.85
150-160	7.32
160-170	1.51
170-180	0.12

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	105	99	94	90	101	96	92	88	90	86	83	84	81	79	79	77	75	72
2	95	86	78	72	91	83	76	70	78	72	67	73	68	64	68	65	61	58
3	86	75	66	59	83	72	64	58	68	61	56	64	58	53	60	55	51	49
4	78	66	57	50	75	64	55	49	60	53	47	57	50	45	53	48	44	41
5	72	59	49	43	69	57	48	42	54	46	41	51	44	39	48	42	38	35
6	66	53	44	37	64	51	43	36	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	46	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	31	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	22	20

IES INDOOR REPORT
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UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	19.7	21.1	20.2	21.6	22.2	19.7	21.2	20.2	21.7	22.2
	3H	21.9	23.3	22.5	23.8	24.4	22.0	23.3	22.5	23.8	24.4
	4H	22.9	24.2	23.5	24.8	25.4	23.0	24.2	23.5	24.8	25.4
	6H	23.9	25.1	24.4	25.6	26.3	23.9	25.1	24.5	25.6	26.3
	8H	24.4	25.5	24.9	26.1	26.7	24.3	25.5	24.9	26.1	26.7
	12H	24.8	25.9	25.4	26.5	27.2	24.8	25.9	25.4	26.5	27.1

UGR Viewed Endwise

4H	2H	20.4	21.7	20.9	22.2	22.8	20.4	21.7	21.0	22.2	22.8
	3H	22.9	24.0	23.5	24.6	25.2	23.0	24.0	23.5	24.6	25.2
	4H	24.1	25.1	24.7	25.7	26.3	24.1	25.1	24.7	25.7	26.4
	6H	25.2	26.1	25.8	26.7	27.4	25.2	26.1	25.8	26.7	27.4
	8H	25.7	26.6	26.3	27.2	27.9	25.8	26.6	26.4	27.2	27.9
	12H	26.3	27.1	27.0	27.7	28.4	26.4	27.1	27.0	27.7	28.4

8H	4H	24.6	25.4	25.2	26.0	26.7	24.6	25.4	25.2	26.0	26.7
	6H	25.9	26.6	26.5	27.2	27.9	25.9	26.6	26.6	27.3	28.0
	8H	26.6	27.2	27.2	27.9	28.6	26.6	27.3	27.3	27.9	28.6
	12H	27.4	27.9	28.0	28.6	29.3	27.4	28.0	28.0	28.6	29.4

12H	4H	24.6	25.4	25.3	26.0	26.7	24.7	25.4	25.3	26.1	26.8
	6H	26.0	26.7	26.7	27.3	28.1	26.1	26.7	26.7	27.4	28.1
	8H	26.8	27.4	27.5	28.0	28.8	26.9	27.4	27.5	28.1	28.9

Maximum UGR = 29.4

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POLAR GRAPH