



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BIO2-LIN-LED35-HO-MBW-D1.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 11476049.01

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE]

[MANUFAC] Prudential Lighting Corp

[LUMCAT] Bio2-LIN-LED35-HO-MBW-D1

[LUMINAIRE] Rectangular formed white aluminum housing with internal wh

[MORE] ite aluminum reflectors and a plastic lens with a diffuser

[LAMP] 120 White LEDs

[BALLAST] One (1) OSRAM Optotronic OT30W/PRG1050C/UNV/DIM/L

[OTHER]

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3661
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	40
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.66
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	1.62
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.22 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17725	18469	10062
55	14522	16489	9709
65	11093	12934	8872
75	7864	8958	6937
85	4233	4842	3916

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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>
0.0	1108.970	1108.970	1108.970	1108.970	1108.970
0.5	1115.850	1110.045	1109.830	1108.970	1102.520
1.0	1117.785	1110.905	1109.830	1108.540	1102.520
1.5	1121.225	1113.270	1110.690	1108.325	1102.090
2.0	1124.665	1116.710	1112.195	1108.755	1100.370
2.5	1128.965	1120.365	1115.205	1108.110	1100.370
3.0	1134.125	1125.095	1116.280	1108.110	1098.650
3.5	1141.435	1130.470	1118.860	1107.895	1097.145
4.0	1148.530	1136.920	1121.440	1106.820	1095.640
4.5	1158.205	1143.800	1125.310	1106.390	1093.920
5.0	1166.375	1150.680	1128.535	1105.960	1091.555
5.5	1175.190	1158.635	1132.405	1105.530	1088.975
6.0	1185.725	1167.235	1136.275	1104.670	1085.965
6.5	1198.195	1175.835	1141.220	1103.810	1083.385
7.0	1208.300	1185.510	1146.595	1103.595	1080.160
7.5	1220.555	1195.185	1150.895	1102.305	1077.795
8.0	1232.595	1205.290	1157.130	1101.660	1073.280
8.5	1244.635	1215.825	1161.430	1100.800	1069.195
9.0	1257.750	1226.790	1167.450	1100.155	1064.680
9.5	1271.295	1238.185	1173.255	1098.865	1060.595
10.0	1283.550	1248.505	1179.060	1098.435	1056.295
10.5	1297.310	1259.685	1185.295	1096.930	1050.920
11.0	1309.780	1270.435	1191.100	1095.425	1046.620
11.5	1322.250	1281.185	1197.120	1094.780	1041.460
12.0	1334.505	1292.365	1202.925	1093.490	1036.730
12.5	1346.545	1303.115	1209.160	1092.200	1030.925
13.0	1358.800	1313.220	1215.180	1090.910	1025.765
13.5	1369.335	1324.400	1221.630	1088.760	1019.745
14.0	1380.730	1334.075	1227.435	1087.255	1013.940
14.5	1391.265	1344.610	1233.670	1086.825	1008.350
15.0	1401.800	1353.640	1238.615	1085.105	1002.545
15.5	1410.400	1362.240	1244.420	1082.525	995.665
16.0	1420.075	1370.410	1249.365	1081.020	989.860
16.5	1429.105	1378.580	1254.740	1079.515	983.625
17.0	1437.705	1386.750	1259.685	1077.365	976.100
17.5	1446.305	1393.845	1263.985	1076.290	970.725
18.0	1452.540	1401.370	1268.500	1074.570	963.200
18.5	1459.420	1409.110	1273.445	1071.990	955.890
19.0	1466.515	1414.485	1277.745	1069.625	949.870
19.5	1472.750	1420.505	1281.830	1067.475	942.560
20.0	1477.910	1426.095	1284.840	1065.325	935.465
20.5	1482.425	1430.610	1288.280	1062.960	928.800
21.0	1487.585	1434.265	1291.505	1060.380	921.275
21.5	1492.315	1438.565	1294.730	1058.015	913.750
22.0	1492.960	1441.575	1296.450	1055.650	906.655
22.5	1495.755	1444.370	1300.105	1052.425	899.345
23.0	1497.475	1446.735	1301.180	1050.490	892.465
23.5	1497.475	1449.315	1303.115	1046.190	884.510
24.0	1497.690	1450.605	1304.620	1043.180	877.415
24.5	1499.410	1450.175	1305.910	1040.170	869.460
25.0	1497.260	1450.820	1306.770	1036.945	861.720
25.5	1496.830	1450.175	1307.200	1033.505	854.625
26.0	1494.035	1449.100	1308.490	1030.065	846.885
26.5	1492.100	1448.025	1307.845	1026.195	840.005

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**CANDELA TABULATION - (Cont.)**

27.0	1488.230	1446.735	1307.845	1022.110	831.405
27.5	1484.790	1444.585	1307.630	1018.240	824.525
28.0	1478.770	1441.360	1306.340	1013.725	815.925
28.5	1474.040	1437.275	1305.480	1009.640	810.550
29.0	1467.805	1433.405	1303.975	1005.340	802.810
29.5	1463.505	1428.675	1301.610	1000.825	795.070
30.0	1454.905	1424.375	1299.245	995.665	786.685
30.5	1448.670	1418.785	1296.665	991.150	779.375
31.0	1438.995	1412.765	1293.440	986.420	772.280
31.5	1429.535	1405.885	1289.785	981.475	765.400
32.0	1420.290	1397.930	1286.560	975.670	758.305
32.5	1410.400	1390.620	1283.120	970.080	749.490
33.0	1400.295	1382.235	1278.390	964.920	743.685
33.5	1388.040	1373.420	1274.090	959.760	736.375
34.0	1375.785	1364.605	1268.930	953.740	729.710
34.5	1364.390	1353.855	1263.125	947.935	721.755
35.0	1351.060	1343.320	1257.105	941.915	716.165
35.5	1337.085	1332.785	1250.870	935.680	708.855
36.0	1323.540	1320.745	1244.635	929.660	701.975
36.5	1309.780	1309.135	1237.540	922.995	694.450
37.0	1294.300	1297.095	1230.230	916.760	688.215
37.5	1277.960	1283.765	1222.705	910.095	681.120
38.0	1262.480	1271.510	1214.750	902.355	673.595
38.5	1245.495	1257.320	1205.505	895.690	667.145
39.0	1229.370	1243.775	1197.335	888.595	660.265
39.5	1212.600	1229.800	1187.875	881.285	653.815
40.0	1196.045	1214.320	1179.275	874.405	646.720
40.5	1178.415	1199.485	1169.385	866.880	640.270
41.0	1162.075	1184.435	1159.710	859.140	632.960
41.5	1144.660	1168.740	1148.960	851.615	626.725
42.0	1128.105	1153.260	1138.640	843.445	620.705
42.5	1111.765	1137.780	1126.815	835.060	614.255
43.0	1093.490	1121.870	1116.280	827.965	608.235
43.5	1076.935	1105.315	1104.240	818.505	603.720
44.0	1059.305	1089.620	1092.630	809.690	597.700
44.5	1041.675	1072.850	1080.590	802.165	589.530
45.0	1024.905	1056.940	1067.905	792.920	581.790
45.5	1007.490	1040.385	1054.790	784.965	574.910
46.0	989.645	1024.045	1042.105	775.075	568.460
46.5	972.015	1006.845	1028.775	766.475	562.225
47.0	955.030	989.430	1015.015	757.015	556.205
47.5	936.540	972.875	1001.470	748.200	550.400
48.0	919.125	955.675	987.280	738.955	543.305
48.5	901.280	938.045	972.875	729.280	536.855
49.0	884.940	921.060	958.470	719.175	531.480
49.5	867.095	903.645	943.850	709.500	527.610
50.0	849.895	886.230	929.015	699.825	521.375
50.5	832.050	867.955	914.395	689.935	513.420
51.0	815.925	851.185	898.915	679.615	504.605
51.5	797.865	833.125	883.220	668.865	497.510
52.0	780.450	815.280	867.740	658.545	490.845
52.5	766.045	798.295	853.120	648.225	484.825
53.0	747.985	780.880	837.210	637.690	477.945
53.5	730.570	764.325	821.300	627.370	471.710
54.0	714.445	747.125	804.745	616.190	467.410
54.5	697.460	729.495	789.695	605.225	462.465

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**CANDELA TABULATION - (Cont.)**

55.0	681.120	712.725	773.355	594.690	455.370
55.5	664.565	695.740	756.800	583.940	445.695
56.0	648.655	679.185	741.535	572.545	437.740
56.5	632.100	662.630	723.690	562.010	430.860
57.0	615.330	645.860	707.350	550.615	423.550
57.5	599.420	629.950	691.010	539.650	417.100
58.0	584.370	613.180	674.025	528.470	413.015
58.5	568.030	597.055	657.255	517.075	407.425
59.0	552.765	581.360	640.700	505.895	399.470
59.5	537.070	565.450	624.145	494.500	389.365
60.0	522.235	549.755	607.375	483.105	380.980
60.5	507.615	534.060	590.820	471.710	373.455
61.0	492.565	519.010	574.480	460.530	367.650
61.5	478.160	503.745	557.925	449.135	362.060
62.0	463.970	489.125	541.800	437.310	354.750
62.5	450.425	474.505	525.675	425.915	345.075
63.0	436.235	460.100	509.550	414.305	335.615
63.5	422.690	445.695	493.640	402.910	328.090
64.0	409.575	431.505	477.730	391.515	322.715
64.5	396.245	417.745	462.250	379.905	315.620
65.0	383.345	403.985	446.985	368.295	306.590
65.5	370.230	390.870	431.505	356.685	296.700
66.0	357.545	377.325	416.885	345.720	289.390
66.5	345.505	364.425	402.050	334.755	283.155
67.0	333.680	351.525	387.215	323.575	274.340
67.5	321.640	338.840	373.240	312.395	264.450
68.0	309.815	326.370	359.265	301.215	256.925
68.5	297.775	314.330	345.290	290.250	249.830
69.0	286.380	302.290	331.745	279.930	241.445
69.5	274.985	290.465	318.415	269.180	232.630
70.0	263.805	279.070	305.515	258.860	225.535
70.5	252.840	267.675	292.830	248.540	217.150
71.0	242.520	256.495	279.930	238.435	209.066
71.5	232.845	245.530	267.890	228.545	201.412
72.0	222.740	235.425	255.850	218.655	193.307
72.5	212.700	224.890	244.455	209.260	185.223
73.0	203.433	214.570	232.845	199.864	177.375
73.5	193.780	204.616	221.450	190.490	169.399
74.0	184.298	194.790	210.722	181.439	161.960
74.5	175.182	185.115	199.929	172.516	154.241
75.0	166.432	175.849	189.587	163.594	146.824
75.5	157.681	166.690	179.525	155.015	139.535
76.0	149.017	157.638	169.571	146.566	132.397
76.5	140.675	148.716	159.788	138.288	125.173
77.0	132.419	140.202	150.221	130.247	118.358
77.5	124.421	131.666	140.954	122.443	111.585
78.0	116.681	123.432	132.053	114.746	105.006
78.5	109.177	115.498	123.195	107.307	98.664
79.0	101.674	107.801	114.789	100.061	92.429
79.5	94.407	100.190	106.468	93.052	86.473
80.0	87.398	92.859	98.492	86.151	80.174
80.5	80.582	85.764	90.816	79.572	74.670
81.0	73.960	78.948	83.399	73.143	68.693
81.5	67.704	72.391	76.347	66.973	62.673
82.0	61.662	66.005	69.445	61.082	56.954
82.5	55.793	59.899	62.888	55.298	51.450

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CANDELA TABULATION - (Cont.)

83.0	50.160	54.030	56.588	49.773	46.053
83.5	44.720	48.440	50.568	44.505	41.108
84.0	39.625	43.129	44.914	39.517	36.443
84.5	34.744	38.120	39.539	34.959	32.035
85.0	30.165	33.390	34.508	30.444	27.907
85.5	25.843	28.961	29.756	26.273	24.016
86.0	21.844	24.811	25.349	22.382	20.361
86.5	18.189	20.984	21.307	18.727	16.985
87.0	14.900	17.437	17.630	15.459	13.868
87.5	11.825	14.255	14.255	12.513	11.202
88.0	9.073	11.524	11.395	9.912	8.794
88.5	6.665	9.202	9.009	7.633	6.837
89.0	4.816	7.138	6.945	5.891	5.203
89.5	3.505	5.504	5.160	4.451	3.827
90.0	2.387	4.193	3.827	3.397	2.838
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : BIO2-LIN-LED35-HO-MBW-D1.IES

CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : BIO2-LIN-LED35-HO-MBW-D1.IES

CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BIO2-LIN-LED35-HO-MBW-D1.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	455.10	N.A.	12.40
0-30	1027.81	N.A.	28.10
0-40	1741.07	N.A.	47.60
0-60	3048.14	N.A.	83.30
0-80	3620.77	N.A.	98.90
0-90	3660.85	N.A.	100.00
10-90	3551.63	N.A.	97.00
20-40	1285.97	N.A.	35.10
20-50	2001.91	N.A.	54.70
40-70	1695.68	N.A.	46.30
60-80	572.63	N.A.	15.60
70-80	184.01	N.A.	5.00
80-90	40.08	N.A.	1.10
90-110	0.10	N.A.	0.00
90-120	0.10	N.A.	0.00
90-130	0.10	N.A.	0.00
90-150	0.10	N.A.	0.00
90-180	0.10	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3660.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	109.22
10-20	345.88
20-30	572.70
30-40	713.26
40-50	715.94
50-60	591.13
60-70	388.61
70-80	184.01
80-90	40.08
90-100	0.10
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

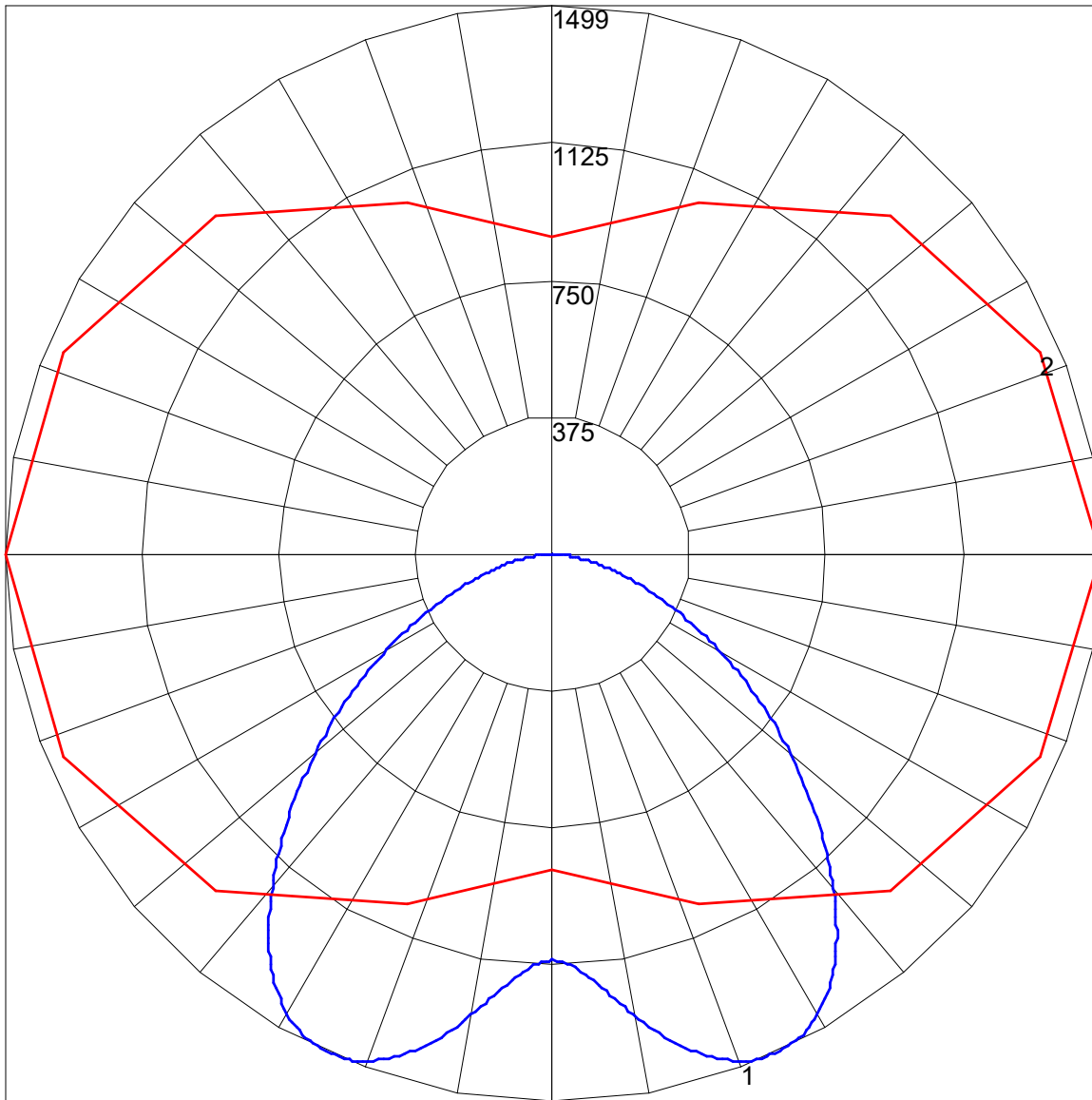
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BIO2-LIN-LED35-HO-MBW-D1.IES**

**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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 1499.41 Located At Horizontal Angle = 0, Vertical Angle = 24.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (24.5) (Through Max. Cd.)