



IES INDOOR REPORT

PHOTOMETRIC FILENAME : C-30-LED35-HO-D9.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] C-30-LED35-HO-D9
 [TESTLAB] Intertek
 [ISSUE DATE] March 6, 2017
 [MANUFAC] Prudential Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6817
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	97
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Unknown
Luminous Length (0-180)	3.88 ft (Diameter)
Luminous Width (90-270)	3.33 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	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	1586.816	1586.816	1586.816	1586.816	1586.816	1586.816	1586.816	1586.816	1586.816	1586.816
2.5	1592.404	1595.176	1584.220	1575.948	1579.028	1575.948	1584.220	1595.176	1592.404	1595.176
5.0	1587.542	1589.874	1578.764	1571.218	1574.056	1571.218	1578.764	1589.874	1587.542	1589.874
7.5	1576.894	1580.194	1570.162	1562.814	1566.290	1562.814	1570.162	1580.194	1576.894	1580.194
10.0	1562.506	1566.466	1556.764	1549.196	1551.220	1549.196	1556.764	1566.466	1562.506	1566.466
12.5	1547.744	1548.932	1539.296	1530.364	1533.752	1530.364	1539.296	1548.932	1547.744	1548.932
15.0	1525.194	1527.350	1518.968	1512.984	1512.896	1512.984	1518.968	1527.350	1525.194	1527.350
17.5	1500.774	1503.458	1496.726	1488.476	1490.632	1488.476	1496.726	1503.458	1500.774	1503.458
20.0	1472.592	1477.674	1467.532	1463.528	1463.792	1463.528	1467.532	1477.674	1472.592	1477.674
22.5	1444.784	1446.038	1440.252	1431.342	1434.906	1431.342	1440.252	1446.038	1444.784	1446.038
25.0	1411.718	1416.734	1406.988	1403.930	1400.696	1403.930	1406.988	1416.734	1411.718	1416.734
27.5	1377.618	1377.882	1371.502	1365.738	1365.584	1365.738	1371.502	1377.882	1377.618	1377.882
30.0	1339.492	1340.416	1332.474	1329.460	1327.524	1329.460	1332.474	1340.416	1339.492	1340.416
32.5	1296.614	1300.156	1292.764	1288.320	1283.744	1288.320	1292.764	1300.156	1296.614	1300.156
35.0	1253.406	1254.924	1248.412	1246.410	1242.758	1246.410	1248.412	1254.924	1253.406	1254.924
37.5	1207.118	1207.756	1202.498	1198.758	1198.978	1198.758	1202.498	1207.756	1207.118	1207.756
40.0	1157.662	1159.158	1152.382	1152.426	1151.282	1152.426	1152.382	1159.158	1157.662	1159.158
42.5	1104.972	1104.312	1102.178	1098.834	1098.768	1098.834	1102.178	1104.312	1104.972	1104.312
45.0	1052.216	1051.688	1048.036	1049.158	1045.506	1049.158	1048.036	1051.688	1052.216	1051.688
47.5	994.994	994.466	993.476	992.992	995.016	992.992	993.476	994.466	994.994	994.466
50.0	937.926	938.674	936.144	936.760	936.540	936.760	936.144	938.674	937.926	938.674
52.5	880.264	879.230	876.634	877.888	877.338	877.888	876.634	879.230	880.264	879.230
55.0	820.292	819.742	815.606	816.904	816.750	816.904	815.606	819.742	820.292	819.742
57.5	759.264	758.912	758.494	756.976	757.878	756.976	758.494	758.912	759.264	758.912
60.0	698.830	697.202	695.024	696.124	696.982	696.124	695.024	697.202	698.830	697.202
62.5	636.790	635.448	636.394	632.522	632.566	632.522	636.394	635.448	636.790	635.448
65.0	577.280	570.372	573.254	568.018	570.614	568.018	573.254	570.372	577.280	570.372
67.5	511.984	507.672	508.464	505.824	508.464	505.824	508.464	507.672	511.984	507.672
70.0	449.548	444.950	445.962	444.730	445.786	444.730	445.962	444.950	449.548	444.950
72.5	387.596	384.868	382.844	381.854	386.012	381.854	382.844	384.868	387.596	384.868
75.0	328.438	323.884	323.378	321.882	325.490	321.882	323.378	323.884	328.438	323.884
77.5	266.618	263.098	262.570	264.506	264.418	264.506	262.570	263.098	266.618	263.098
80.0	205.986	205.436	204.006	204.072	206.184	204.072	204.006	205.436	205.986	205.436
82.5	150.150	147.070	148.258	145.816	147.224	145.816	148.258	147.070	150.150	147.070
85.0	95.018	95.260	94.314	93.962	92.510	93.962	94.314	95.260	95.018	95.260
87.5	42.218	43.010	43.406	39.974	39.182	39.974	43.406	43.010	42.218	43.010
90.0	6.622	6.996	8.118	10.120	11.748	10.120	8.118	6.996	6.622	6.996
92.5	10.758	11.946	11.682	11.946	11.682	11.946	11.682	11.946	10.758	11.946
95.0	24.244	25.608	24.970	25.630	24.552	25.630	24.970	25.608	24.244	25.608
97.5	44.022	43.098	43.076	43.274	42.680	43.274	43.076	43.098	44.022	43.098
100.0	71.016	66.000	65.582	65.868	63.184	65.868	65.582	66.000	71.016	66.000
102.5	98.802	91.564	90.046	89.694	88.044	89.694	90.046	91.564	98.802	91.564
105.0	127.072	120.296	116.534	115.742	116.006	115.742	116.534	120.296	127.072	120.296
107.5	155.408	152.086	145.288	144.364	146.674	144.364	145.288	152.086	155.408	152.086
110.0	185.790	184.624	177.452	175.384	179.432	175.384	177.452	184.624	185.790	184.624
112.5	217.492	217.514	211.178	208.626	213.202	208.626	211.178	217.514	217.492	217.514
115.0	249.854	250.382	245.300	242.550	247.368	242.550	245.300	250.382	249.854	250.382
117.5	283.052	284.108	279.070	277.090	281.622	277.090	279.070	284.108	283.052	284.108
120.0	316.668	318.186	313.368	311.454	316.140	311.454	313.368	318.186	316.668	318.186
122.5	351.318	352.638	347.864	346.258	350.768	346.258	347.864	352.638	351.318	352.638
125.0	386.034	387.420	382.404	382.030	385.154	382.030	382.404	387.420	386.034	387.420
127.5	420.816	422.180	416.768	417.758	420.310	417.758	416.768	422.180	420.816	422.180
130.0	455.664	457.182	451.726	452.980	456.500	452.980	451.726	457.182	455.664	457.182
132.5	490.754	492.162	487.212	488.598	492.250	488.598	487.212	492.162	490.754	492.162

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CANDELA TABULATION - (Cont.)

135.0	525.866	527.406	522.544	524.546	527.560	524.546	522.544	527.406	525.866	527.406
137.5	560.780	562.474	557.656	560.230	562.650	560.230	557.656	562.474	560.780	562.474
140.0	595.562	597.168	592.174	595.144	597.982	595.144	592.174	597.168	595.562	597.168
142.5	629.706	631.224	626.186	629.222	632.082	629.222	626.186	631.224	629.706	631.224
145.0	662.574	664.224	659.164	662.288	664.862	662.288	659.164	664.224	662.574	664.224
147.5	693.770	696.036	690.734	693.682	696.014	693.682	690.734	696.036	693.770	696.036
150.0	723.932	726.352	720.478	723.492	725.626	723.492	720.478	726.352	723.932	726.352
152.5	752.466	754.600	748.968	751.982	753.786	751.982	748.968	754.600	752.466	754.600
155.0	779.262	781.110	775.874	778.228	779.768	778.228	775.874	781.110	779.262	781.110
157.5	803.638	805.288	800.910	802.450	803.814	802.450	800.910	805.288	803.638	805.288
160.0	825.990	827.970	823.284	824.318	825.638	824.318	823.284	827.970	825.990	827.970
162.5	845.878	848.474	842.622	843.898	845.482	843.898	842.622	848.474	845.878	848.474
165.0	863.676	866.008	860.134	861.278	862.642	861.278	860.134	866.008	863.676	866.008
167.5	878.658	880.902	875.248	875.908	877.624	875.908	875.248	880.902	878.658	880.902
170.0	891.176	893.200	887.722	888.426	890.076	888.426	887.722	893.200	891.176	893.200
172.5	900.966	902.924	897.402	898.018	899.690	898.018	897.402	902.924	900.966	902.924
175.0	907.962	909.502	904.156	904.948	906.576	904.948	904.156	909.502	907.962	909.502
177.5	912.318	913.682	908.314	909.062	910.690	909.062	908.314	913.682	912.318	913.682
180.0	912.076	912.076	912.076	912.076	912.076	912.076	912.076	912.076	912.076	912.076

Vert. Angles **Horizontal Angles**

	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	1586.816	1586.816	1586.816	1586.816	1586.816	1586.816	1586.816
2.5	1584.220	1575.948	1579.028	1575.948	1584.220	1595.176	1592.404
5.0	1578.764	1571.218	1574.056	1571.218	1578.764	1589.874	1587.542
7.5	1570.162	1562.814	1566.290	1562.814	1570.162	1580.194	1576.894
10.0	1556.764	1549.196	1551.220	1549.196	1556.764	1566.466	1562.506
12.5	1539.296	1530.364	1533.752	1530.364	1539.296	1548.932	1547.744
15.0	1518.968	1512.984	1512.896	1512.984	1518.968	1527.350	1525.194
17.5	1496.726	1488.476	1490.632	1488.476	1496.726	1503.458	1500.774
20.0	1467.532	1463.528	1463.792	1463.528	1467.532	1477.674	1472.592
22.5	1440.252	1431.342	1434.906	1431.342	1440.252	1446.038	1444.784
25.0	1406.988	1403.930	1400.696	1403.930	1406.988	1416.734	1411.718
27.5	1371.502	1365.738	1365.584	1365.738	1371.502	1377.882	1377.618
30.0	1332.474	1329.460	1327.524	1329.460	1332.474	1340.416	1339.492
32.5	1292.764	1288.320	1283.744	1288.320	1292.764	1300.156	1296.614
35.0	1248.412	1246.410	1242.758	1246.410	1248.412	1254.924	1253.406
37.5	1202.498	1198.758	1198.978	1198.758	1202.498	1207.756	1207.118
40.0	1152.382	1152.426	1151.282	1152.426	1152.382	1159.158	1157.662
42.5	1102.178	1098.834	1098.768	1098.834	1102.178	1104.312	1104.972
45.0	1048.036	1049.158	1045.506	1049.158	1048.036	1051.688	1052.216
47.5	993.476	992.992	995.016	992.992	993.476	994.466	994.994
50.0	936.144	936.760	936.540	936.760	936.144	938.674	937.926
52.5	876.634	877.888	877.338	877.888	876.634	879.230	880.264
55.0	815.606	816.904	816.750	816.904	815.606	819.742	820.292
57.5	758.494	756.976	757.878	756.976	758.494	758.912	759.264
60.0	695.024	696.124	696.982	696.124	695.024	697.202	698.830
62.5	636.394	632.522	632.566	632.522	636.394	635.448	636.790
65.0	573.254	568.018	570.614	568.018	573.254	570.372	577.280
67.5	508.464	505.824	508.464	505.824	508.464	507.672	511.984
70.0	445.962	444.730	445.786	444.730	445.962	444.950	449.548
72.5	382.844	381.854	386.012	381.854	382.844	384.868	387.596
75.0	323.378	321.882	325.490	321.882	323.378	323.884	328.438
77.5	262.570	264.506	264.418	264.506	262.570	263.098	266.618
80.0	204.006	204.072	206.184	204.072	204.006	205.436	205.986

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CANDELA TABULATION - (Cont.)

82.5	148.258	145.816	147.224	145.816	148.258	147.070	150.150
85.0	94.314	93.962	92.510	93.962	94.314	95.260	95.018
87.5	43.406	39.974	39.182	39.974	43.406	43.010	42.218
90.0	8.118	10.120	11.748	10.120	8.118	6.996	6.622
92.5	11.682	11.946	11.682	11.946	11.682	11.946	10.758
95.0	24.970	25.630	24.552	25.630	24.970	25.608	24.244
97.5	43.076	43.274	42.680	43.274	43.076	43.098	44.022
100.0	65.582	65.868	63.184	65.868	65.582	66.000	71.016
102.5	90.046	89.694	88.044	89.694	90.046	91.564	98.802
105.0	116.534	115.742	116.006	115.742	116.534	120.296	127.072
107.5	145.288	144.364	146.674	144.364	145.288	152.086	155.408
110.0	177.452	175.384	179.432	175.384	177.452	184.624	185.790
112.5	211.178	208.626	213.202	208.626	211.178	217.514	217.492
115.0	245.300	242.550	247.368	242.550	245.300	250.382	249.854
117.5	279.070	277.090	281.622	277.090	279.070	284.108	283.052
120.0	313.368	311.454	316.140	311.454	313.368	318.186	316.668
122.5	347.864	346.258	350.768	346.258	347.864	352.638	351.318
125.0	382.404	382.030	385.154	382.030	382.404	387.420	386.034
127.5	416.768	417.758	420.310	417.758	416.768	422.180	420.816
130.0	451.726	452.980	456.500	452.980	451.726	457.182	455.664
132.5	487.212	488.598	492.250	488.598	487.212	492.162	490.754
135.0	522.544	524.546	527.560	524.546	522.544	527.406	525.866
137.5	557.656	560.230	562.650	560.230	557.656	562.474	560.780
140.0	592.174	595.144	597.982	595.144	592.174	597.168	595.562
142.5	626.186	629.222	632.082	629.222	626.186	631.224	629.706
145.0	659.164	662.288	664.862	662.288	659.164	664.224	662.574
147.5	690.734	693.682	696.014	693.682	690.734	696.036	693.770
150.0	720.478	723.492	725.626	723.492	720.478	726.352	723.932
152.5	748.968	751.982	753.786	751.982	748.968	754.600	752.466
155.0	775.874	778.228	779.768	778.228	775.874	781.110	779.262
157.5	800.910	802.450	803.814	802.450	800.910	805.288	803.638
160.0	823.284	824.318	825.638	824.318	823.284	827.970	825.990
162.5	842.622	843.898	845.482	843.898	842.622	848.474	845.878
165.0	860.134	861.278	862.642	861.278	860.134	866.008	863.676
167.5	875.248	875.908	877.624	875.908	875.248	880.902	878.658
170.0	887.722	888.426	890.076	888.426	887.722	893.200	891.176
172.5	897.402	898.018	899.690	898.018	897.402	902.924	900.966
175.0	904.156	904.948	906.576	904.948	904.156	909.502	907.962
177.5	908.314	909.062	910.690	909.062	908.314	913.682	912.318
180.0	912.076	912.076	912.076	912.076	912.076	912.076	912.076

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	578.93	N.A.	8.50
0-30	1227.55	N.A.	18.00
0-40	2008.97	N.A.	29.50
0-60	3549.71	N.A.	52.10
0-80	4457.46	N.A.	65.40
0-90	4563.66	N.A.	66.90
10-90	4413.54	N.A.	64.70
20-40	1430.04	N.A.	21.00
20-50	2239.2	N.A.	32.80
40-70	2106.29	N.A.	30.90
60-80	907.75	N.A.	13.30
70-80	342.20	N.A.	5.00
80-90	106.20	N.A.	1.60
90-110	158.71	N.A.	2.30
90-120	403.03	N.A.	5.90
90-130	746.75	N.A.	11.00
90-150	1565.8	N.A.	23.00
90-180	2253.19	N.A.	33.10
110-180	2094.48	N.A.	30.70
0-180	6816.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	150.12
10-20	428.81
20-30	648.62
30-40	781.42
40-50	809.16
50-60	731.58
60-70	565.54
70-80	342.20
80-90	106.20
90-100	31.95
100-110	126.77
110-120	244.32
120-130	343.72
130-140	405.21
140-150	413.84
150-160	358.33
160-170	243.06
170-180	86.01

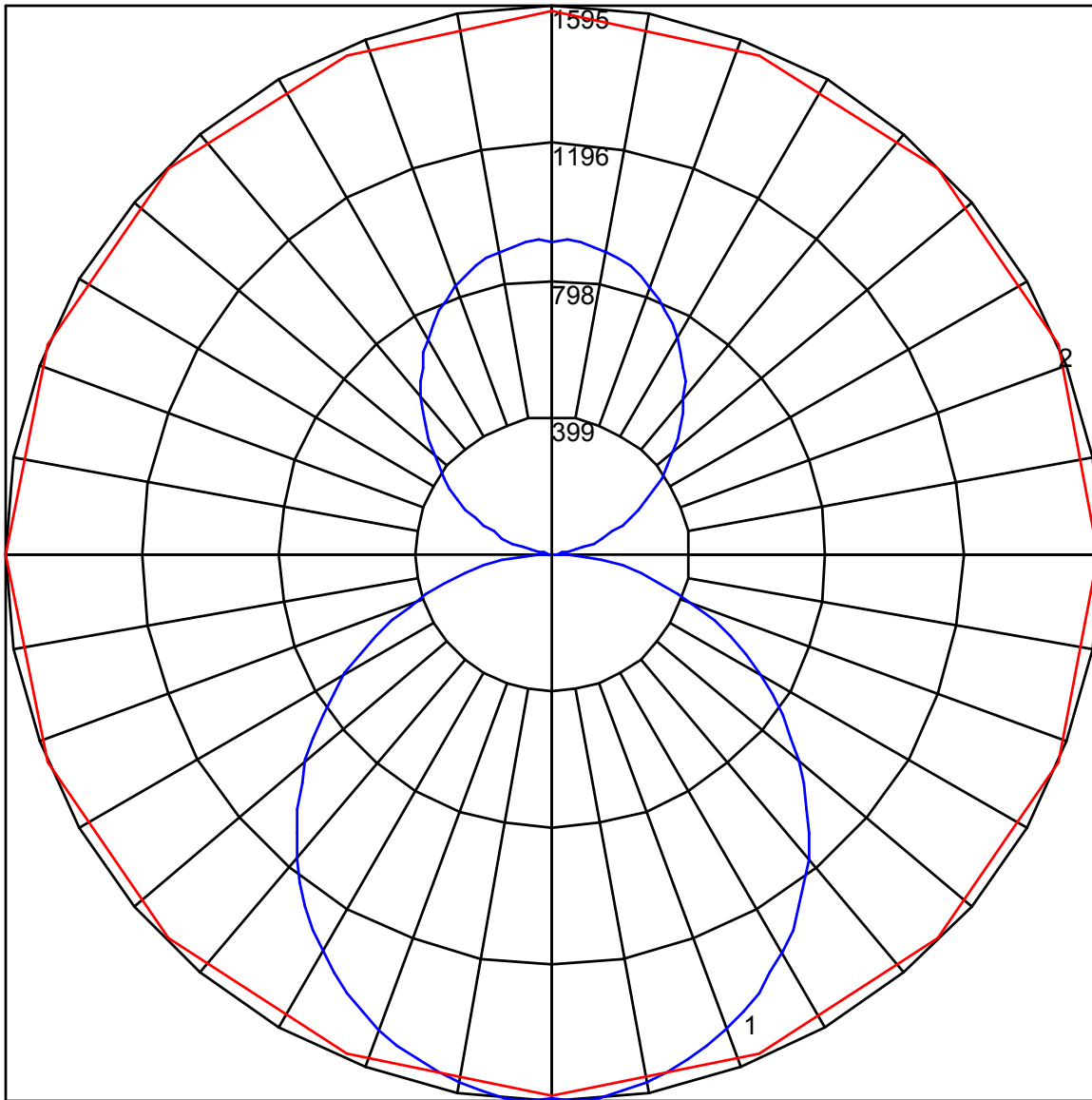
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	67
1	101	97	92	89	95	91	87	84	81	78	76	71	69	67	63	61	60	56
2	92	84	78	72	86	79	74	69	71	66	62	62	59	56	55	52	50	46
3	84	74	66	60	78	70	63	57	62	56	52	55	51	47	48	45	42	39
4	77	65	57	50	72	62	54	48	55	49	44	49	44	40	43	39	36	33
5	70	58	49	43	66	55	47	41	49	43	38	44	39	35	39	35	31	28
6	65	52	44	37	61	49	42	36	44	38	33	40	34	30	35	31	28	25
7	60	47	39	33	56	45	37	32	40	34	29	36	31	27	32	28	24	22
8	56	43	35	29	52	41	33	28	37	30	26	33	28	24	29	25	22	20
9	52	39	31	26	49	37	30	25	34	27	23	30	25	21	27	23	20	18
10	48	36	28	23	46	34	27	23	31	25	21	28	23	19	25	21	18	16

POLAR GRAPH



Maximum Candela = 1595.176 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)