



IES INDOOR REPORT

PHOTOMETRIC FILENAME : C-40-LED35-HO-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] C-40-LED35-HO-D1
 [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	5774
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	91
Ballast Factor	1.00
CIE Type	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)	3.00 ft (Diameter)
Luminous Width (90-270)	2.17 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	1998.684	1998.684	1998.684	1998.684	1998.684	1998.684	1998.684	1998.684	1998.684	1998.684
2.5	2006.604	1998.432	1993.824	1992.456	1994.292	1992.456	1993.824	1998.432	2006.604	1998.432
5.0	1999.332	1991.484	1986.696	1985.580	1987.272	1985.580	1986.696	1991.484	1999.332	1991.484
7.5	1988.064	1980.216	1975.284	1974.168	1976.436	1974.168	1975.284	1980.216	1988.064	1980.216
10.0	1971.792	1964.304	1959.876	1958.652	1960.452	1958.652	1959.876	1964.304	1971.792	1964.304
12.5	1951.848	1944.324	1939.824	1938.708	1940.472	1938.708	1939.824	1944.324	1951.848	1944.324
15.0	1927.620	1920.312	1915.344	1914.336	1915.632	1914.336	1915.344	1920.312	1927.620	1920.312
17.5	1898.784	1892.052	1886.292	1885.284	1886.292	1885.284	1886.292	1892.052	1898.784	1892.052
20.0	1866.024	1859.148	1852.812	1851.660	1853.388	1851.660	1852.812	1859.148	1866.024	1859.148
22.5	1829.376	1821.708	1815.264	1814.724	1816.128	1814.724	1815.264	1821.708	1829.376	1821.708
25.0	1788.696	1780.596	1774.224	1774.080	1775.988	1774.080	1774.224	1780.596	1788.696	1780.596
27.5	1742.652	1735.848	1730.088	1730.052	1732.104	1730.052	1730.088	1735.848	1742.652	1735.848
30.0	1693.188	1688.148	1682.100	1682.496	1684.080	1682.496	1682.100	1688.148	1693.188	1688.148
32.5	1641.204	1636.884	1630.548	1631.556	1631.700	1631.556	1630.548	1636.884	1641.204	1636.884
35.0	1587.420	1582.056	1575.180	1576.044	1576.368	1576.044	1575.180	1582.056	1587.420	1582.056
37.5	1530.864	1523.772	1516.932	1517.652	1518.192	1517.652	1516.932	1523.772	1530.864	1523.772
40.0	1470.168	1462.716	1456.020	1456.272	1456.992	1456.272	1456.020	1462.716	1470.168	1462.716
42.5	1405.044	1398.852	1392.300	1392.840	1393.632	1392.840	1392.300	1398.852	1405.044	1398.852
45.0	1337.148	1332.288	1326.060	1326.780	1327.356	1326.780	1326.060	1332.288	1337.148	1332.288
47.5	1268.028	1262.988	1257.228	1257.552	1258.380	1257.552	1257.228	1262.988	1268.028	1262.988
50.0	1198.044	1191.456	1186.272	1185.804	1186.956	1185.804	1186.272	1191.456	1198.044	1191.456
52.5	1126.296	1117.980	1113.156	1111.608	1113.192	1111.608	1113.156	1117.980	1126.296	1117.980
55.0	1051.308	1043.280	1037.952	1035.828	1037.844	1035.828	1037.952	1043.280	1051.308	1043.280
57.5	973.260	966.600	961.128	958.788	961.344	958.788	961.128	966.600	973.260	966.600
60.0	894.204	888.120	882.648	880.488	883.728	880.488	882.648	888.120	894.204	888.120
62.5	815.688	808.560	803.340	801.612	805.032	801.612	803.340	808.560	815.688	808.560
65.0	737.316	728.532	723.456	722.016	726.084	722.016	723.456	728.532	737.316	728.532
67.5	657.792	648.576	643.356	642.096	646.848	642.096	643.356	648.576	657.792	648.576
70.0	577.296	568.512	563.184	561.960	567.720	561.960	563.184	568.512	577.296	568.512
72.5	497.412	488.952	483.588	482.940	489.420	482.940	483.588	488.952	497.412	488.952
75.0	419.040	410.112	405.036	405.216	412.668	405.216	405.036	410.112	419.040	410.112
77.5	342.000	332.604	328.140	329.148	336.672	329.148	328.140	332.604	342.000	332.604
80.0	265.932	257.652	253.584	255.096	261.504	255.096	253.584	257.652	265.932	257.652
82.5	191.628	185.508	182.016	183.348	188.388	183.348	182.016	185.508	191.628	185.508
85.0	120.456	116.208	114.048	114.408	118.764	114.408	114.048	116.208	120.456	116.208
87.5	53.172	50.328	50.148	49.464	52.632	49.464	50.148	50.328	53.172	50.328
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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

	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	1998.684	1998.684	1998.684	1998.684	1998.684	1998.684	1998.684
2.5	1993.824	1992.456	1994.292	1992.456	1993.824	1998.432	2006.604
5.0	1986.696	1985.580	1987.272	1985.580	1986.696	1991.484	1999.332
7.5	1975.284	1974.168	1976.436	1974.168	1975.284	1980.216	1988.064
10.0	1959.876	1958.652	1960.452	1958.652	1959.876	1964.304	1971.792
12.5	1939.824	1938.708	1940.472	1938.708	1939.824	1944.324	1951.848
15.0	1915.344	1914.336	1915.632	1914.336	1915.344	1920.312	1927.620
17.5	1886.292	1885.284	1886.292	1885.284	1886.292	1892.052	1898.784
20.0	1852.812	1851.660	1853.388	1851.660	1852.812	1859.148	1866.024
22.5	1815.264	1814.724	1816.128	1814.724	1815.264	1821.708	1829.376
25.0	1774.224	1774.080	1775.988	1774.080	1774.224	1780.596	1788.696
27.5	1730.088	1730.052	1732.104	1730.052	1730.088	1735.848	1742.652
30.0	1682.100	1682.496	1684.080	1682.496	1682.100	1688.148	1693.188
32.5	1630.548	1631.556	1631.700	1631.556	1630.548	1636.884	1641.204
35.0	1575.180	1576.044	1576.368	1576.044	1575.180	1582.056	1587.420
37.5	1516.932	1517.652	1518.192	1517.652	1516.932	1523.772	1530.864
40.0	1456.020	1456.272	1456.992	1456.272	1456.020	1462.716	1470.168
42.5	1392.300	1392.840	1393.632	1392.840	1392.300	1398.852	1405.044
45.0	1326.060	1326.780	1327.356	1326.780	1326.060	1332.288	1337.148
47.5	1257.228	1257.552	1258.380	1257.552	1257.228	1262.988	1268.028
50.0	1186.272	1185.804	1186.956	1185.804	1186.272	1191.456	1198.044
52.5	1113.156	1111.608	1113.192	1111.608	1113.156	1117.980	1126.296
55.0	1037.952	1035.828	1037.844	1035.828	1037.952	1043.280	1051.308
57.5	961.128	958.788	961.344	958.788	961.128	966.600	973.260
60.0	882.648	880.488	883.728	880.488	882.648	888.120	894.204
62.5	803.340	801.612	805.032	801.612	803.340	808.560	815.688
65.0	723.456	722.016	726.084	722.016	723.456	728.532	737.316
67.5	643.356	642.096	646.848	642.096	643.356	648.576	657.792
70.0	563.184	561.960	567.720	561.960	563.184	568.512	577.296
72.5	483.588	482.940	489.420	482.940	483.588	488.952	497.412
75.0	405.036	405.216	412.668	405.216	405.036	410.112	419.040
77.5	328.140	329.148	336.672	329.148	328.140	332.604	342.000
80.0	253.584	255.096	261.504	255.096	253.584	257.652	265.932

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CANDELA TABULATION - (Cont.)

82.5	182.016	183.348	188.388	183.348	182.016	185.508	191.628
85.0	114.048	114.408	118.764	114.408	114.048	116.208	120.456
87.5	50.148	49.464	52.632	49.464	50.148	50.328	53.172
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	730.21	N.A.	12.60
0-30	1549.53	N.A.	26.80
0-40	2537.1	N.A.	43.90
0-60	4491.93	N.A.	77.80
0-80	5643.46	N.A.	97.70
0-90	5774.25	N.A.	100.00
10-90	5585.21	N.A.	96.70
20-40	1806.89	N.A.	31.30
20-50	2832.06	N.A.	49.00
40-70	2673.65	N.A.	46.30
60-80	1151.53	N.A.	19.90
70-80	432.71	N.A.	7.50
80-90	130.79	N.A.	2.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	5774.25	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	189.03
10-20	541.18
20-30	819.32
30-40	987.57
40-50	1025.17
50-60	929.66
60-70	718.82
70-80	432.71
80-90	130.79
90-100	0.00
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

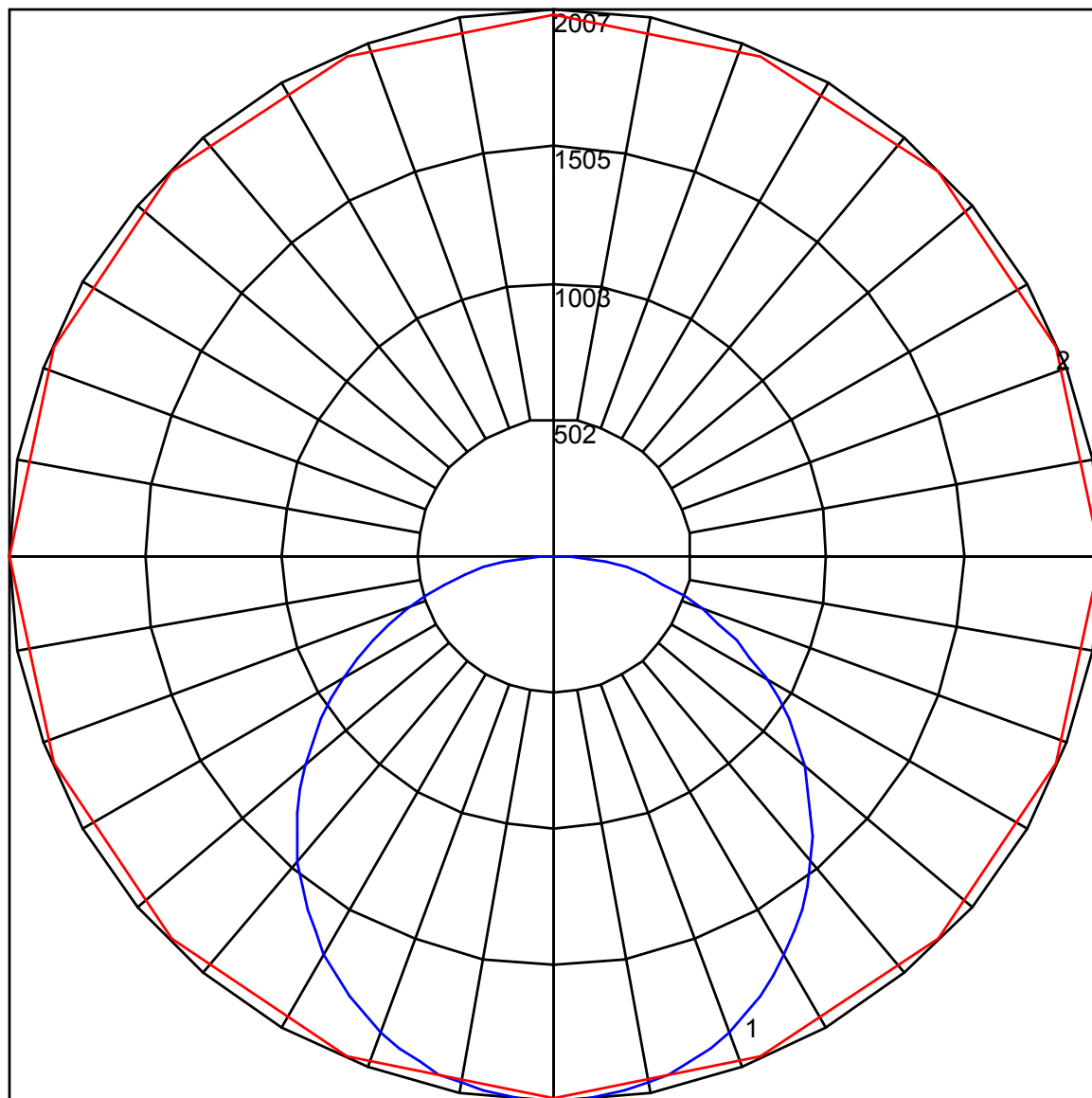
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 2006.604 Located At Horizontal Angle = 0, Vertical Angle = 2.5

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)