



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] C-40-LED35-LO-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	2133
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	32
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	738.403	738.403	738.403	738.403	738.403	738.403	738.403	738.403	738.403	738.403
2.5	741.329	738.310	736.607	736.102	736.780	736.102	736.607	738.310	741.329	738.310
5.0	738.642	735.743	733.974	733.562	734.187	733.562	733.974	735.743	738.642	735.743
7.5	734.479	731.580	729.758	729.345	730.183	729.345	729.758	731.580	734.479	731.580
10.0	728.468	725.701	724.065	723.613	724.278	723.613	724.065	725.701	728.468	725.701
12.5	721.099	718.320	716.657	716.245	716.897	716.245	716.657	718.320	721.099	718.320
15.0	712.149	709.449	707.613	707.241	707.720	707.241	707.613	709.449	712.149	709.449
17.5	701.495	699.008	696.880	696.508	696.880	696.508	696.880	699.008	701.495	699.008
20.0	689.392	686.852	684.511	684.086	684.724	684.086	684.511	686.852	689.392	686.852
22.5	675.853	673.020	670.639	670.440	670.958	670.440	670.639	673.020	675.853	673.020
25.0	660.824	657.831	655.477	655.424	656.129	655.424	655.477	657.831	660.824	657.831
27.5	643.813	641.299	639.171	639.158	639.916	639.158	639.171	641.299	643.813	641.299
30.0	625.539	623.677	621.443	621.589	622.174	621.589	621.443	623.677	625.539	623.677
32.5	606.334	604.738	602.397	602.769	602.823	602.769	602.397	604.738	606.334	604.738
35.0	586.464	584.482	581.942	582.261	582.380	582.261	581.942	584.482	586.464	584.482
37.5	565.569	562.949	560.422	560.688	560.888	560.688	560.422	562.949	565.569	562.949
40.0	543.145	540.392	537.919	538.012	538.278	538.012	537.919	540.392	543.145	540.392
42.5	519.086	516.798	514.378	514.577	514.870	514.577	514.378	516.798	519.086	516.798
45.0	494.002	492.206	489.906	490.172	490.384	490.172	489.906	492.206	494.002	492.206
47.5	468.466	466.604	464.476	464.596	464.902	464.596	464.476	466.604	468.466	466.604
50.0	442.611	440.177	438.262	438.089	438.514	438.089	438.262	440.177	442.611	440.177
52.5	416.104	413.032	411.249	410.677	411.263	410.677	411.249	413.032	416.104	413.032
55.0	388.400	385.434	383.466	382.681	383.426	382.681	383.466	385.434	388.400	385.434
57.5	359.566	357.105	355.083	354.219	355.163	354.219	355.083	357.105	359.566	357.105
60.0	330.359	328.111	326.089	325.291	326.488	325.291	326.089	328.111	330.359	328.111
62.5	301.351	298.718	296.790	296.151	297.415	296.151	296.790	298.718	301.351	298.718
65.0	272.397	269.152	267.277	266.745	268.248	266.745	267.277	269.152	272.397	269.152
67.5	243.018	239.613	237.684	237.219	238.974	237.219	237.684	239.613	243.018	239.613
70.0	213.279	210.034	208.065	207.613	209.741	207.613	208.065	210.034	213.279	210.034
72.5	183.766	180.641	178.659	178.420	180.814	178.420	178.659	180.641	183.766	180.641
75.0	154.812	151.514	149.638	149.705	152.458	149.705	149.638	151.514	154.812	151.514
77.5	126.350	122.879	121.230	121.602	124.382	121.602	121.230	122.879	126.350	122.879
80.0	98.247	95.188	93.685	94.244	96.611	94.244	93.685	95.188	98.247	95.188
82.5	70.796	68.535	67.245	67.737	69.599	67.737	67.245	68.535	70.796	68.535
85.0	44.502	42.932	42.134	42.267	43.877	42.267	42.134	42.932	44.502	42.932
87.5	19.644	18.593	18.527	18.274	19.445	18.274	18.527	18.593	19.644	18.593
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. Angles **Horizontal Angles**

	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	738.403	738.403	738.403	738.403	738.403	738.403	738.403
2.5	736.607	736.102	736.780	736.102	736.607	738.310	741.329
5.0	733.974	733.562	734.187	733.562	733.974	735.743	738.642
7.5	729.758	729.345	730.183	729.345	729.758	731.580	734.479
10.0	724.065	723.613	724.278	723.613	724.065	725.701	728.468
12.5	716.657	716.245	716.897	716.245	716.657	718.320	721.099
15.0	707.613	707.241	707.720	707.241	707.613	709.449	712.149
17.5	696.880	696.508	696.880	696.508	696.880	699.008	701.495
20.0	684.511	684.086	684.724	684.086	684.511	686.852	689.392
22.5	670.639	670.440	670.958	670.440	670.639	673.020	675.853
25.0	655.477	655.424	656.129	655.424	655.477	657.831	660.824
27.5	639.171	639.158	639.916	639.158	639.171	641.299	643.813
30.0	621.443	621.589	622.174	621.589	621.443	623.677	625.539
32.5	602.397	602.769	602.823	602.769	602.397	604.738	606.334
35.0	581.942	582.261	582.380	582.261	581.942	584.482	586.464
37.5	560.422	560.688	560.888	560.688	560.422	562.949	565.569
40.0	537.919	538.012	538.278	538.012	537.919	540.392	543.145
42.5	514.378	514.577	514.870	514.577	514.378	516.798	519.086
45.0	489.906	490.172	490.384	490.172	489.906	492.206	494.002
47.5	464.476	464.596	464.902	464.596	464.476	466.604	468.466
50.0	438.262	438.089	438.514	438.089	438.262	440.177	442.611
52.5	411.249	410.677	411.263	410.677	411.249	413.032	416.104
55.0	383.466	382.681	383.426	382.681	383.466	385.434	388.400
57.5	355.083	354.219	355.163	354.219	355.083	357.105	359.566
60.0	326.089	325.291	326.488	325.291	326.089	328.111	330.359
62.5	296.790	296.151	297.415	296.151	296.790	298.718	301.351
65.0	267.277	266.745	268.248	266.745	267.277	269.152	272.397
67.5	237.684	237.219	238.974	237.219	237.684	239.613	243.018
70.0	208.065	207.613	209.741	207.613	208.065	210.034	213.279
72.5	178.659	178.420	180.814	178.420	178.659	180.641	183.766
75.0	149.638	149.705	152.458	149.705	149.638	151.514	154.812
77.5	121.230	121.602	124.382	121.602	121.230	122.879	126.350
80.0	93.685	94.244	96.611	94.244	93.685	95.188	98.247

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CANDELA TABULATION - (Cont.)

82.5	67.245	67.737	69.599	67.737	67.245	68.535	70.796
85.0	42.134	42.267	43.877	42.267	42.134	42.932	44.502
87.5	18.527	18.274	19.445	18.274	18.527	18.593	19.644
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	269.77	N.A.	12.60
0-30	572.46	N.A.	26.80
0-40	937.32	N.A.	43.90
0-60	1659.52	N.A.	77.80
0-80	2084.94	N.A.	97.70
0-90	2133.26	N.A.	100.00
10-90	2063.43	N.A.	96.70
20-40	667.54	N.A.	31.30
20-50	1046.29	N.A.	49.00
40-70	987.77	N.A.	46.30
60-80	425.43	N.A.	19.90
70-80	159.86	N.A.	7.50
80-90	48.32	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	2133.26	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	69.84
10-20	199.94
20-30	302.69
30-40	364.85
40-50	378.74
50-60	343.46
60-70	265.56
70-80	159.86
80-90	48.32
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

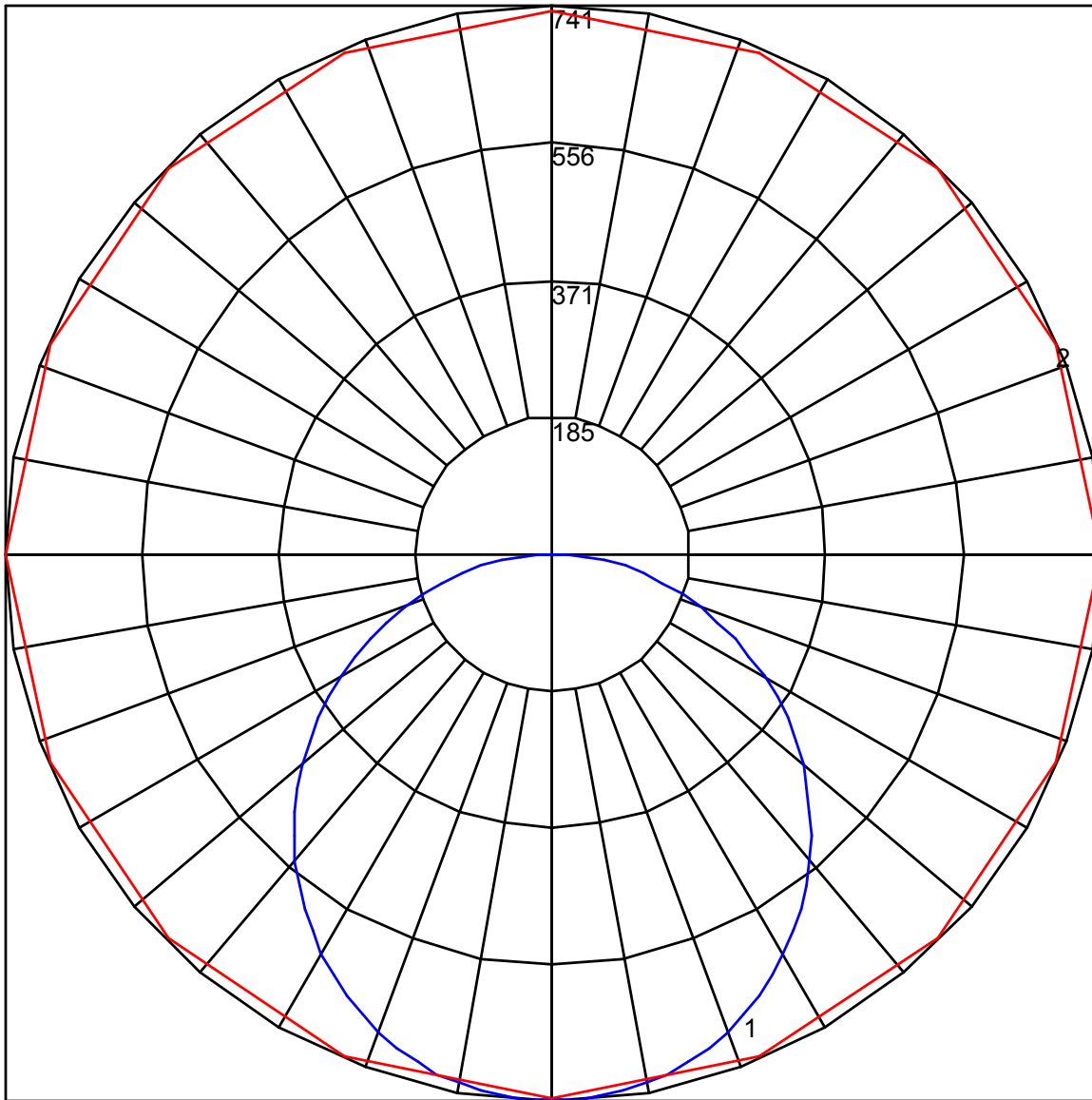
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	72	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 = 741.329 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.)