



IES INDOOR REPORT

PHOTOMETRIC FILENAME : C-20-LED35-MO-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] C-20-LED35-MO-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	1379
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	21
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	477.463	477.463	477.463	477.463	477.463	477.463	477.463	477.463	477.463	477.463
2.5	479.355	477.403	476.302	475.976	476.414	475.976	476.302	477.403	479.355	477.403
5.0	477.618	475.743	474.600	474.333	474.737	474.333	474.600	475.743	477.618	475.743
7.5	474.926	473.052	471.873	471.607	472.149	471.607	471.873	473.052	474.926	473.052
10.0	471.039	469.250	468.193	467.900	468.330	467.900	468.193	469.250	471.039	469.250
12.5	466.275	464.477	463.402	463.136	463.557	463.136	463.402	464.477	466.275	464.477
15.0	460.487	458.741	457.554	457.314	457.623	457.314	457.554	458.741	460.487	458.741
17.5	453.598	451.990	450.614	450.373	450.614	450.373	450.614	451.990	453.598	451.990
20.0	445.772	444.130	442.616	442.341	442.754	442.341	442.616	444.130	445.772	444.130
22.5	437.018	435.186	433.646	433.517	433.853	433.517	433.646	435.186	437.018	435.186
25.0	427.300	425.365	423.842	423.808	424.264	423.808	423.842	425.365	427.300	425.365
27.5	416.300	414.675	413.299	413.290	413.780	413.290	413.299	414.675	416.300	414.675
30.0	404.484	403.280	401.835	401.930	402.308	401.930	401.835	403.280	404.484	403.280
32.5	392.065	391.033	389.520	389.761	389.795	389.761	389.520	391.033	392.065	391.033
35.0	379.217	377.936	376.293	376.499	376.577	376.499	376.293	377.936	379.217	377.936
37.5	365.706	364.012	362.378	362.550	362.679	362.550	362.378	364.012	365.706	364.012
40.0	351.207	349.427	347.827	347.887	348.059	347.887	347.827	349.427	351.207	349.427
42.5	335.649	334.170	332.605	332.734	332.923	332.734	332.605	334.170	335.649	334.170
45.0	319.430	318.269	316.781	316.953	317.091	316.953	316.781	318.269	319.430	318.269
47.5	302.918	301.714	300.338	300.415	300.613	300.415	300.338	301.714	302.918	301.714
50.0	286.199	284.626	283.387	283.275	283.551	283.275	283.387	284.626	286.199	284.626
52.5	269.060	267.073	265.921	265.551	265.929	265.551	265.921	267.073	269.060	267.073
55.0	251.146	249.228	247.955	247.448	247.929	247.448	247.955	249.228	251.146	249.228
57.5	232.501	230.910	229.603	229.044	229.654	229.044	229.603	230.910	232.501	230.910
60.0	213.615	212.162	210.855	210.339	211.113	210.339	210.855	212.162	213.615	212.162
62.5	194.859	193.156	191.909	191.496	192.313	191.496	191.909	193.156	194.859	193.156
65.0	176.137	174.038	172.826	172.482	173.453	172.482	172.826	174.038	176.137	174.038
67.5	157.139	154.938	153.691	153.390	154.525	153.390	153.691	154.938	157.139	154.938
70.0	137.910	135.811	134.538	134.246	135.622	134.246	134.538	135.811	137.910	135.811
72.5	118.826	116.805	115.524	115.369	116.917	115.369	115.524	116.805	118.826	116.805
75.0	100.104	97.971	96.759	96.802	98.582	96.802	96.759	97.971	100.104	97.971
77.5	81.700	79.455	78.389	78.630	80.427	78.630	78.389	79.455	81.700	79.455
80.0	63.528	61.550	60.578	60.940	62.470	60.940	60.578	61.550	63.528	61.550
82.5	45.778	44.316	43.482	43.800	45.004	43.800	43.482	44.316	45.778	44.316
85.0	28.776	27.761	27.245	27.331	28.371	27.331	27.245	27.761	28.776	27.761
87.5	12.702	12.023	11.980	11.816	12.573	11.816	11.980	12.023	12.702	12.023
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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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	477.463	477.463	477.463	477.463	477.463	477.463	477.463
2.5	476.302	475.976	476.414	475.976	476.302	477.403	479.355
5.0	474.600	474.333	474.737	474.333	474.600	475.743	477.618
7.5	471.873	471.607	472.149	471.607	471.873	473.052	474.926
10.0	468.193	467.900	468.330	467.900	468.193	469.250	471.039
12.5	463.402	463.136	463.557	463.136	463.402	464.477	466.275
15.0	457.554	457.314	457.623	457.314	457.554	458.741	460.487
17.5	450.614	450.373	450.614	450.373	450.614	451.990	453.598
20.0	442.616	442.341	442.754	442.341	442.616	444.130	445.772
22.5	433.646	433.517	433.853	433.517	433.646	435.186	437.018
25.0	423.842	423.808	424.264	423.808	423.842	425.365	427.300
27.5	413.299	413.290	413.780	413.290	413.299	414.675	416.300
30.0	401.835	401.930	402.308	401.930	401.835	403.280	404.484
32.5	389.520	389.761	389.795	389.761	389.520	391.033	392.065
35.0	376.293	376.499	376.577	376.499	376.293	377.936	379.217
37.5	362.378	362.550	362.679	362.550	362.378	364.012	365.706
40.0	347.827	347.887	348.059	347.887	347.827	349.427	351.207
42.5	332.605	332.734	332.923	332.734	332.605	334.170	335.649
45.0	316.781	316.953	317.091	316.953	316.781	318.269	319.430
47.5	300.338	300.415	300.613	300.415	300.338	301.714	302.918
50.0	283.387	283.275	283.551	283.275	283.387	284.626	286.199
52.5	265.921	265.551	265.929	265.551	265.921	267.073	269.060
55.0	247.955	247.448	247.929	247.448	247.955	249.228	251.146
57.5	229.603	229.044	229.654	229.044	229.603	230.910	232.501
60.0	210.855	210.339	211.113	210.339	210.855	212.162	213.615
62.5	191.909	191.496	192.313	191.496	191.909	193.156	194.859
65.0	172.826	172.482	173.453	172.482	172.826	174.038	176.137
67.5	153.691	153.390	154.525	153.390	153.691	154.938	157.139
70.0	134.538	134.246	135.622	134.246	134.538	135.811	137.910
72.5	115.524	115.369	116.917	115.369	115.524	116.805	118.826
75.0	96.759	96.802	98.582	96.802	96.759	97.971	100.104
77.5	78.389	78.630	80.427	78.630	78.389	79.455	81.700
80.0	60.578	60.940	62.470	60.940	60.578	61.550	63.528

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CANDELA TABULATION - (Cont.)

82.5	43.482	43.800	45.004	43.800	43.482	44.316	45.778
85.0	27.245	27.331	28.371	27.331	27.245	27.761	28.776
87.5	11.980	11.816	12.573	11.816	11.980	12.023	12.702
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	174.44	N.A.	12.60
0-30	370.16	N.A.	26.80
0-40	606.08	N.A.	43.90
0-60	1073.07	N.A.	77.80
0-80	1348.16	N.A.	97.70
0-90	1379.4	N.A.	100.00
10-90	1334.25	N.A.	96.70
20-40	431.65	N.A.	31.30
20-50	676.55	N.A.	49.00
40-70	638.71	N.A.	46.30
60-80	275.09	N.A.	19.90
70-80	103.37	N.A.	7.50
80-90	31.24	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	1379.4	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	45.16
10-20	129.28
20-30	195.73
30-40	235.92
40-50	244.90
50-60	222.09
60-70	171.72
70-80	103.37
80-90	31.24
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

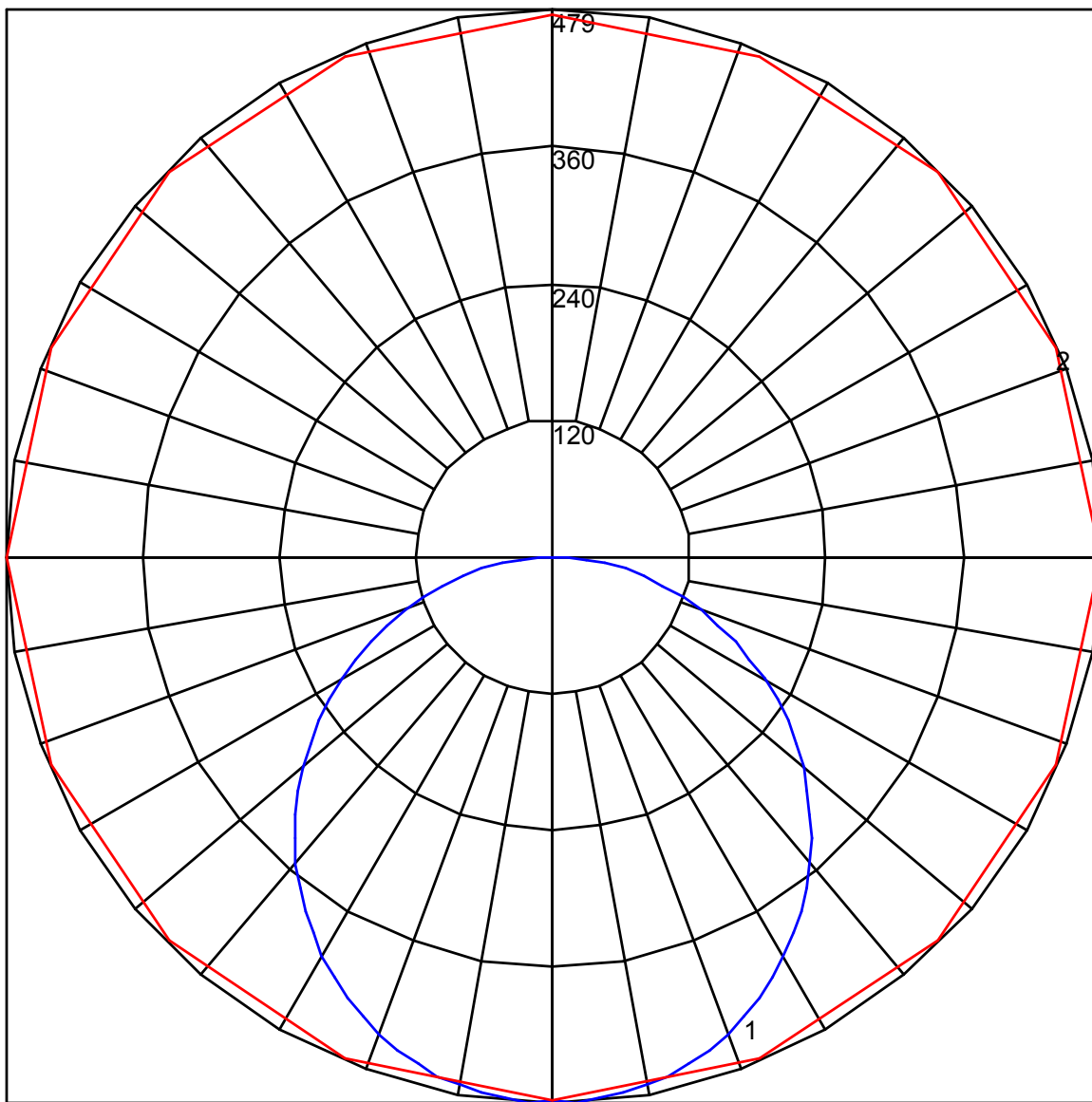
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	43
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 = 479.355 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.)