



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PCRL-LED35-HO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] PCRL-LED35-HO
 [TESTLAB] intertek
 [ISSUE DATE] 11-27-19
 [MANUFAC] prudential
 [_TOTALLUMINAIRELUMENS] 1653.4

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3803
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	46
Ballast Factor	1.00
CIE Type	Semi-Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.08 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2950	1307	0
55	4772	2707	0
65	8737	5192	0
75	21039	12178	0
85	49877	30464	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PCRL-LED35-HO.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.0	28.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.5	35.65	23.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.0	43.93	30.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.5	53.36	39.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.0	63.94	49.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.5	74.98	61.41	25.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.0	87.17	73.83	30.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.5	100.28	84.41	36.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	113.16	95.91	44.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.5	127.19	108.10	52.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.0	141.91	120.75	62.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.5	157.78	134.55	73.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.0	175.72	150.19	85.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.5	197.57	169.05	97.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.0	223.56	192.28	110.86	24.15	0.00	0.00	0.00	0.00	0.00	0.00
62.5	255.99	221.26	127.19	27.60	0.00	0.00	0.00	0.00	0.00	0.00
65.0	298.54	258.75	146.97	31.28	0.00	0.00	0.00	0.00	0.00	0.00
67.5	356.50	309.12	171.35	35.19	0.00	0.00	0.00	0.00	0.00	0.00
70.0	432.40	375.13	203.09	40.71	0.00	0.00	0.00	0.00	0.00	0.00
72.5	529.00	458.85	244.03	46.92	0.00	0.00	0.00	0.00	0.00	0.00
75.0	641.24	562.12	295.09	54.74	0.00	0.00	0.00	0.00	0.00	0.00
77.5	776.71	686.32	356.96	64.17	0.00	0.00	0.00	0.00	0.00	0.00
80.0	935.41	831.22	431.94	75.90	0.00	0.00	0.00	0.00	0.00	0.00
82.5	1102.16	998.66	512.44	89.47	0.00	0.00	0.00	0.00	0.00	0.00
85.0	1289.84	1197.84	591.56	105.80	0.00	0.00	0.00	0.00	0.00	0.00
87.5	1465.79	1420.48	665.16	124.43	0.00	0.00	0.00	0.00	0.00	0.00
90.0	1660.60	1663.59	721.74	145.13	0.00	0.00	0.00	0.00	0.00	0.00
92.5	1865.99	1930.16	762.45	167.90	0.00	0.00	0.00	0.00	0.00	0.00
95.0	2110.25	2208.23	787.52	192.05	0.00	0.00	0.00	0.00	0.00	0.00
97.5	2438.69	2428.34	800.63	216.66	26.45	0.00	0.00	0.00	0.00	0.00
100.0	2784.61	2552.31	804.77	240.81	39.33	0.00	0.00	0.00	0.00	0.00
102.5	3115.35	2557.83	802.24	264.04	53.82	0.00	0.00	0.00	0.00	0.00
105.0	3260.02	2457.78	793.96	286.35	69.69	0.00	0.00	0.00	0.00	0.00
107.5	3211.95	2300.92	782.92	306.59	85.79	24.84	0.00	0.00	0.00	0.00
110.0	3021.51	2118.99	771.19	322.69	102.81	32.89	0.00	0.00	0.00	0.00
112.5	2787.60	1931.08	757.39	336.49	120.75	42.09	24.84	23.92	25.53	23.92
115.0	2506.31	1743.40	741.75	349.14	138.46	52.44	31.05	29.21	30.82	29.21
117.5	2248.94	1582.17	728.41	362.02	156.63	63.48	38.18	34.96	37.03	34.96
120.0	2036.65	1456.36	715.53	374.67	174.80	75.21	46.23	41.40	43.47	41.40
122.5	1842.76	1354.93	703.11	387.09	193.20	87.86	54.97	48.76	50.14	48.76
125.0	1679.23	1274.20	688.85	399.74	211.37	100.74	64.17	56.12	57.27	56.12
127.5	1547.67	1198.30	673.21	411.70	229.31	114.31	74.29	63.94	64.40	63.94
130.0	1423.93	1121.94	655.50	423.20	247.25	128.57	84.87	72.45	72.45	72.45
132.5	1310.77	1051.33	638.48	434.93	264.96	143.06	96.14	81.88	80.73	81.88

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PCRL-LED35-HO.IES

CANDELA TABULATION - (Cont.)

135.0	1205.20	980.03	623.30	446.20	282.21	158.24	108.33	92.00	89.93	92.00
137.5	1105.84	906.89	608.81	456.78	299.23	173.65	121.21	102.58	99.82	102.58
140.0	1010.85	840.88	596.62	466.90	316.02	189.75	134.78	113.85	110.63	113.85
142.5	918.85	785.91	586.50	476.79	332.12	206.31	149.50	125.58	121.90	125.58
145.0	842.49	737.15	578.45	485.99	347.76	224.02	165.14	138.23	133.40	138.23
147.5	780.39	697.82	573.62	493.81	362.48	242.19	181.70	152.49	146.74	152.49
150.0	729.10	668.38	571.78	500.71	376.74	260.36	198.95	168.13	162.15	168.13
152.5	691.61	645.38	572.24	506.92	390.77	279.68	216.89	185.38	178.94	185.38
155.0	661.25	627.44	573.39	511.98	403.88	299.23	234.37	204.70	197.57	204.70
157.5	638.02	615.71	573.85	514.97	416.07	319.47	253.46	225.40	219.19	225.40
160.0	623.07	608.35	573.16	516.58	427.34	340.40	274.39	244.95	240.58	244.95
162.5	613.18	601.68	569.94	516.81	438.15	360.41	296.93	266.57	261.51	266.57
165.0	603.75	593.17	563.96	515.20	447.35	379.73	320.85	290.49	285.20	290.49
167.5	591.79	581.67	555.22	512.21	455.86	398.36	347.07	316.94	312.80	316.94
170.0	576.84	566.26	542.57	507.61	462.53	416.07	375.13	347.76	344.54	347.76
172.5	556.60	546.02	526.70	501.63	468.74	431.94	401.81	381.11	380.42	381.11
175.0	531.53	522.10	508.99	493.35	472.65	446.43	424.58	411.93	412.85	411.93
177.5	503.47	495.42	489.21	483.46	474.72	459.77	446.43	439.53	441.83	439.53
180.0	470.12	470.12	470.12	470.12	470.12	470.12	470.12	470.12	470.12	470.12

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.0	0.00	0.00	0.00	0.00	0.00	0.00	28.52
27.5	0.00	0.00	0.00	0.00	0.00	23.69	35.65
30.0	0.00	0.00	0.00	0.00	0.00	30.59	43.93
32.5	0.00	0.00	0.00	0.00	0.00	39.56	53.36
35.0	0.00	0.00	0.00	0.00	0.00	49.68	63.94
37.5	0.00	0.00	0.00	0.00	25.76	61.41	74.98
40.0	0.00	0.00	0.00	0.00	30.59	73.83	87.17
42.5	0.00	0.00	0.00	0.00	36.34	84.41	100.28
45.0	0.00	0.00	0.00	0.00	44.16	95.91	113.16
47.5	0.00	0.00	0.00	0.00	52.67	108.10	127.19
50.0	0.00	0.00	0.00	0.00	62.56	120.75	141.91
52.5	0.00	0.00	0.00	0.00	73.60	134.55	157.78
55.0	0.00	0.00	0.00	0.00	85.33	150.19	175.72
57.5	0.00	0.00	0.00	0.00	97.06	169.05	197.57
60.0	0.00	0.00	0.00	24.15	110.86	192.28	223.56
62.5	0.00	0.00	0.00	27.60	127.19	221.26	255.99
65.0	0.00	0.00	0.00	31.28	146.97	258.75	298.54
67.5	0.00	0.00	0.00	35.19	171.35	309.12	356.50
70.0	0.00	0.00	0.00	40.71	203.09	375.13	432.40
72.5	0.00	0.00	0.00	46.92	244.03	458.85	529.00
75.0	0.00	0.00	0.00	54.74	295.09	562.12	641.24
77.5	0.00	0.00	0.00	64.17	356.96	686.32	776.71
80.0	0.00	0.00	0.00	75.90	431.94	831.22	935.41

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PCRL-LED35-HO.IES

CANDELA TABULATION - (Cont.)

82.5	0.00	0.00	0.00	89.47	512.44	998.66	1102.16
85.0	0.00	0.00	0.00	105.80	591.56	1197.84	1289.84
87.5	0.00	0.00	0.00	124.43	665.16	1420.48	1465.79
90.0	0.00	0.00	0.00	145.13	721.74	1663.59	1660.60
92.5	0.00	0.00	0.00	167.90	762.45	1930.16	1865.99
95.0	0.00	0.00	0.00	192.05	787.52	2208.23	2110.25
97.5	0.00	0.00	26.45	216.66	800.63	2428.34	2438.69
100.0	0.00	0.00	39.33	240.81	804.77	2552.31	2784.61
102.5	0.00	0.00	53.82	264.04	802.24	2557.83	3115.35
105.0	0.00	0.00	69.69	286.35	793.96	2457.78	3260.02
107.5	0.00	24.84	85.79	306.59	782.92	2300.92	3211.95
110.0	0.00	32.89	102.81	322.69	771.19	2118.99	3021.51
112.5	24.84	42.09	120.75	336.49	757.39	1931.08	2787.60
115.0	31.05	52.44	138.46	349.14	741.75	1743.40	2506.31
117.5	38.18	63.48	156.63	362.02	728.41	1582.17	2248.94
120.0	46.23	75.21	174.80	374.67	715.53	1456.36	2036.65
122.5	54.97	87.86	193.20	387.09	703.11	1354.93	1842.76
125.0	64.17	100.74	211.37	399.74	688.85	1274.20	1679.23
127.5	74.29	114.31	229.31	411.70	673.21	1198.30	1547.67
130.0	84.87	128.57	247.25	423.20	655.50	1121.94	1423.93
132.5	96.14	143.06	264.96	434.93	638.48	1051.33	1310.77
135.0	108.33	158.24	282.21	446.20	623.30	980.03	1205.20
137.5	121.21	173.65	299.23	456.78	608.81	906.89	1105.84
140.0	134.78	189.75	316.02	466.90	596.62	840.88	1010.85
142.5	149.50	206.31	332.12	476.79	586.50	785.91	918.85
145.0	165.14	224.02	347.76	485.99	578.45	737.15	842.49
147.5	181.70	242.19	362.48	493.81	573.62	697.82	780.39
150.0	198.95	260.36	376.74	500.71	571.78	668.38	729.10
152.5	216.89	279.68	390.77	506.92	572.24	645.38	691.61
155.0	234.37	299.23	403.88	511.98	573.39	627.44	661.25
157.5	253.46	319.47	416.07	514.97	573.85	615.71	638.02
160.0	274.39	340.40	427.34	516.58	573.16	608.35	623.07
162.5	296.93	360.41	438.15	516.81	569.94	601.68	613.18
165.0	320.85	379.73	447.35	515.20	563.96	593.17	603.75
167.5	347.07	398.36	455.86	512.21	555.22	581.67	591.79
170.0	375.13	416.07	462.53	507.61	542.57	566.26	576.84
172.5	401.81	431.94	468.74	501.63	526.70	546.02	556.60
175.0	424.58	446.43	472.65	493.35	508.99	522.10	531.53
177.5	446.43	459.77	474.72	483.46	489.21	495.42	503.47
180.0	470.12	470.12	470.12	470.12	470.12	470.12	470.12

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PCRL-LED35-HO.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	1.30	N.A.	0.00
0-40	8.77	N.A.	0.20
0-60	65.36	N.A.	1.70
0-80	308.64	N.A.	8.10
0-90	657.30	N.A.	17.30
10-90	657.30	N.A.	17.30
20-40	8.77	N.A.	0.20
20-50	28.11	N.A.	0.70
40-70	132.00	N.A.	3.50
60-80	243.28	N.A.	6.40
70-80	167.87	N.A.	4.40
80-90	348.66	N.A.	9.20
90-110	1255.38	N.A.	33.00
90-120	1798.93	N.A.	47.30
90-130	2211.91	N.A.	58.20
90-150	2785.53	N.A.	73.20
90-180	3145.51	N.A.	82.70
110-180	1890.13	N.A.	49.70
0-180	3802.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	1.30
30-40	7.48
40-50	19.33
50-60	37.25
60-70	75.41
70-80	167.87
80-90	348.66
90-100	576.72
100-110	678.66
110-120	543.55
120-130	412.99
130-140	323.85
140-150	249.76
150-160	190.09
160-170	125.41
170-180	44.48

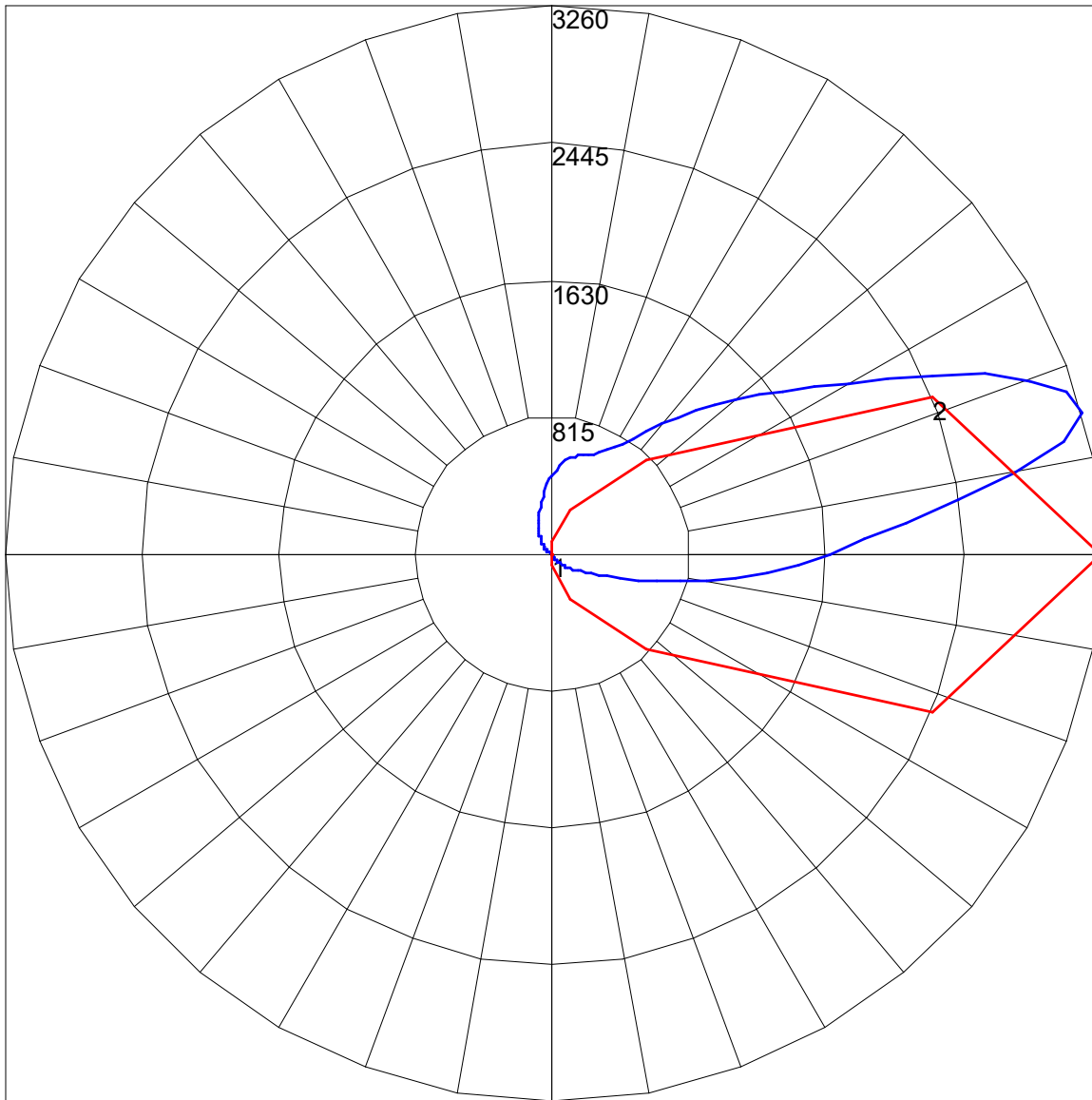
IES INDOOR REPORT
PHOTOMETRIC FILENAME : PCRL-LED35-HO.IES

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	99	99	99	99	87	87	87	87	65	65	65	45	45	45	26	26	26	17
1	86	81	75	71	75	70	66	62	51	48	45	33	31	29	17	15	14	6
2	78	69	62	56	67	60	54	49	43	39	35	28	25	22	13	11	10	3
3	70	60	52	45	61	52	45	40	37	32	28	24	21	18	11	9	8	2
4	64	52	44	38	55	46	38	33	33	28	24	21	17	15	10	8	6	1
5	58	46	38	32	51	40	33	28	29	24	20	18	15	12	9	7	5	1
6	54	41	33	27	46	36	29	24	26	21	17	17	13	11	8	6	4	1
7	49	37	29	23	43	32	25	20	23	18	15	15	12	9	7	5	4	0
8	46	33	25	20	40	29	22	18	21	16	13	14	10	8	6	5	3	0
9	42	30	23	18	37	26	20	15	19	14	11	12	9	7	6	4	3	0
10	39	27	20	16	34	24	18	14	17	13	10	11	8	6	5	4	2	0

POLAR GRAPH



Maximum Candela = 3260.02 Located At Horizontal Angle = 0, Vertical Angle = 105
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (105) (Through Max. Cd.)