



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P8644-LED35-HO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] P8644-LED35-HO
 [TESTLAB] Intertek
 [ISSUE DATE] 09/01/2015
 [MANUFAC] Prudential Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9518
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	125
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	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8446	8377	8353
55	8147	8039	8073
65	7766	7599	7626
75	7256	7004	6907
85	6785	6123	5897

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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	3309.684	3309.684	3309.684	3309.684	3309.684	3309.684	3309.684	3309.684	3309.684	3309.684
2.5	3307.794	3309.936	3303.342	3308.676	3306.198	3307.710	3303.510	3306.198	3304.014	3306.198
5.0	3295.698	3294.228	3298.008	3294.564	3296.916	3294.774	3293.808	3296.328	3291.456	3296.328
7.5	3276.168	3280.032	3277.848	3278.142	3277.428	3275.454	3273.522	3273.774	3270.246	3273.774
10.0	3248.910	3249.330	3248.826	3246.306	3250.170	3248.994	3246.978	3246.390	3233.958	3246.390
12.5	3218.922	3219.090	3211.992	3216.612	3215.100	3214.344	3210.144	3212.160	3204.768	3212.160
15.0	3179.064	3175.410	3169.026	3173.688	3173.646	3174.528	3171.084	3169.572	3156.678	3169.572
17.5	3131.478	3125.850	3120.348	3124.506	3126.312	3126.732	3120.894	3118.878	3108.210	3118.878
20.0	3079.566	3072.258	3072.888	3069.318	3069.864	3065.412	3067.050	3061.338	3048.024	3061.338
22.5	3016.020	3011.946	3010.518	3009.678	3009.300	3009.678	3002.202	3003.630	2985.234	3003.630
25.0	2950.752	2942.646	2942.856	2945.922	2945.376	2939.832	2938.362	2931.810	2919.588	2931.810
27.5	2881.956	2863.476	2868.222	2870.658	2868.810	2866.878	2861.586	2855.370	2837.520	2855.370
30.0	2796.654	2788.170	2784.222	2791.152	2787.078	2787.834	2780.232	2775.066	2756.460	2775.066
32.5	2714.544	2702.112	2701.524	2701.482	2701.398	2696.862	2691.318	2690.058	2670.990	2690.058
35.0	2630.586	2609.754	2609.544	2614.038	2612.190	2606.940	2599.296	2597.280	2574.096	2597.280
37.5	2528.652	2515.674	2514.582	2515.380	2511.936	2507.064	2504.166	2502.654	2475.942	2502.654
40.0	2427.138	2416.764	2414.076	2416.008	2409.330	2411.640	2404.584	2398.578	2376.150	2398.578
42.5	2325.414	2309.496	2308.698	2312.226	2303.112	2305.254	2297.778	2292.780	2270.898	2292.780
45.0	2221.464	2196.474	2203.278	2200.086	2197.020	2190.636	2188.956	2179.590	2158.632	2179.590
47.5	2107.476	2075.346	2082.948	2085.510	2081.688	2075.934	2073.414	2064.972	2037.504	2064.972
50.0	1985.130	1967.910	1962.156	1964.508	1957.956	1957.116	1948.212	1946.868	1924.104	1946.868
52.5	1859.214	1840.398	1843.842	1841.700	1842.792	1834.098	1830.612	1824.144	1799.658	1824.144
55.0	1738.212	1713.978	1715.070	1719.312	1722.378	1712.592	1706.040	1697.556	1674.918	1697.556
57.5	1617.168	1588.944	1592.892	1587.306	1590.456	1587.726	1574.076	1574.202	1549.506	1574.202
60.0	1487.052	1462.398	1459.626	1457.652	1457.652	1451.688	1446.270	1441.188	1415.568	1441.188
62.5	1353.828	1329.846	1326.108	1330.224	1328.586	1325.436	1314.138	1313.004	1288.014	1313.004
65.0	1220.730	1200.444	1194.522	1190.784	1198.764	1188.684	1183.518	1180.620	1154.370	1180.620
67.5	1094.982	1064.868	1064.406	1063.482	1064.658	1061.592	1050.924	1048.278	1028.748	1048.278
70.0	961.506	936.054	933.870	928.410	930.300	927.150	924.882	919.842	890.988	919.842
72.5	828.786	803.964	803.880	796.530	793.842	792.036	789.642	786.240	765.366	786.240
75.0	698.502	679.308	674.310	673.092	664.902	666.120	661.500	660.744	644.322	660.744
77.5	577.458	551.544	546.504	544.488	541.212	535.794	538.608	540.330	517.986	540.330
80.0	451.290	429.618	430.458	415.884	419.328	415.758	417.816	413.280	400.848	413.280
82.5	332.220	310.548	312.186	306.264	296.898	300.174	298.494	297.696	280.812	297.696
85.0	219.954	201.054	198.492	191.394	191.184	191.310	187.950	188.748	175.938	188.748
87.5	112.938	95.004	92.736	92.862	92.988	86.898	86.982	83.916	71.988	83.916
90.0	20.286	9.702	4.830	7.392	9.240	9.576	4.998	6.636	3.612	6.636
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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PHOTOMETRIC FILENAME : P8644-LED35-HO.IES

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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. Horizontal Angles

	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	3309.684	3309.684	3309.684	3309.684	3309.684	3309.684	3309.684
2.5	3303.510	3307.710	3306.198	3308.676	3303.342	3309.936	3307.794
5.0	3293.808	3294.774	3296.916	3294.564	3298.008	3294.228	3295.698
7.5	3273.522	3275.454	3277.428	3278.142	3277.848	3280.032	3276.168
10.0	3246.978	3248.994	3250.170	3246.306	3248.826	3249.330	3248.910
12.5	3210.144	3214.344	3215.100	3216.612	3211.992	3219.090	3218.922
15.0	3171.084	3174.528	3173.646	3173.688	3169.026	3175.410	3179.064
17.5	3120.894	3126.732	3126.312	3124.506	3120.348	3125.850	3131.478
20.0	3067.050	3065.412	3069.864	3069.318	3072.888	3072.258	3079.566
22.5	3002.202	3009.678	3009.300	3009.678	3010.518	3011.946	3016.020
25.0	2938.362	2939.832	2945.376	2945.922	2942.856	2942.646	2950.752
27.5	2861.586	2866.878	2868.810	2870.658	2868.222	2863.476	2881.956
30.0	2780.232	2787.834	2787.078	2791.152	2784.222	2788.170	2796.654
32.5	2691.318	2696.862	2701.398	2701.482	2701.524	2702.112	2714.544
35.0	2599.296	2606.940	2612.190	2614.038	2609.544	2609.754	2630.586
37.5	2504.166	2507.064	2511.936	2515.380	2514.582	2515.674	2528.652
40.0	2404.584	2411.640	2409.330	2416.008	2414.076	2416.764	2427.138
42.5	2297.778	2305.254	2303.112	2312.226	2308.698	2309.496	2325.414
45.0	2188.956	2190.636	2197.020	2200.086	2203.278	2196.474	2221.464
47.5	2073.414	2075.934	2081.688	2085.510	2082.948	2075.346	2107.476
50.0	1948.212	1957.116	1957.956	1964.508	1962.156	1967.910	1985.130
52.5	1830.612	1834.098	1842.792	1841.700	1843.842	1840.398	1859.214
55.0	1706.040	1712.592	1722.378	1719.312	1715.070	1713.978	1738.212
57.5	1574.076	1587.726	1590.456	1587.306	1592.892	1588.944	1617.168
60.0	1446.270	1451.688	1457.652	1457.652	1459.626	1462.398	1487.052
62.5	1314.138	1325.436	1328.586	1330.224	1326.108	1329.846	1353.828
65.0	1183.518	1188.684	1198.764	1190.784	1194.522	1200.444	1220.730
67.5	1050.924	1061.592	1064.658	1063.482	1064.406	1064.868	1094.982
70.0	924.882	927.150	930.300	928.410	933.870	936.054	961.506
72.5	789.642	792.036	793.842	796.530	803.880	803.964	828.786
75.0	661.500	666.120	664.902	673.092	674.310	679.308	698.502
77.5	538.608	535.794	541.212	544.488	546.504	551.544	577.458
80.0	417.816	415.758	419.328	415.884	430.458	429.618	451.290

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P8644-LED35-HO.IES

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82.5	298.494	300.174	296.898	306.264	312.186	310.548	332.220
85.0	187.950	191.310	191.184	191.394	198.492	201.054	219.954
87.5	86.982	86.898	92.988	92.862	92.736	95.004	112.938
90.0	4.998	9.576	9.240	7.392	4.830	9.702	20.286
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	1208.05	N.A.	12.70
0-30	2562.42	N.A.	26.90
0-40	4192.61	N.A.	44.00
0-60	7412.54	N.A.	77.90
0-80	9299.13	N.A.	97.70
0-90	9517.38	N.A.	100.00
10-90	9204.33	N.A.	96.70
20-40	2984.55	N.A.	31.40
20-50	4675.13	N.A.	49.10
40-70	4399.08	N.A.	46.20
60-80	1886.6	N.A.	19.80
70-80	707.45	N.A.	7.40
80-90	218.24	N.A.	2.30
90-110	1.10	N.A.	0.00
90-120	1.10	N.A.	0.00
90-130	1.10	N.A.	0.00
90-150	1.10	N.A.	0.00
90-180	1.10	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	9518.48	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	313.05
10-20	895.01
20-30	1354.37
30-40	1630.18
40-50	1690.58
50-60	1529.36
60-70	1179.15
70-80	707.45
80-90	218.24
90-100	1.10
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

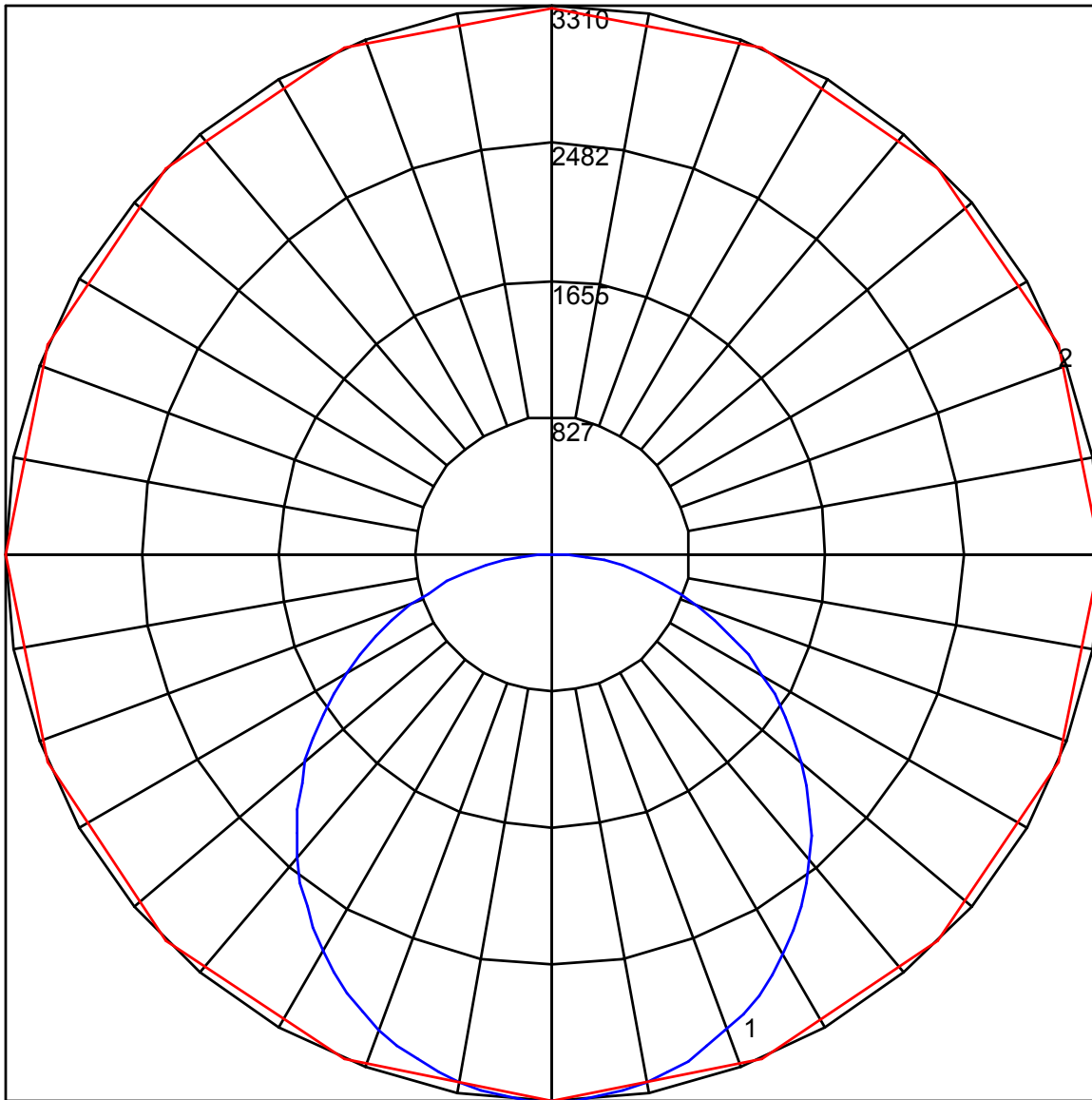
IES INDOOR REPORT
PHOTOMETRIC FILENAME : P8644-LED35-HO.IES

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	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	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	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	34	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 = 3309.936 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.)