



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P8614-LED35-LO-WA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] P8614-LED35-LO-WA  
 [TESTLAB] INTERTEK  
 [ISSUE DATE] 3/17/2020  
 [MANUFAC] PRUDENTIAL LIGHTING

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2358
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	24
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)	0.77 ft
Luminous Width (90-270)	3.88 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2756	2739	2758
55	2655	2644	2668
65	2513	2506	2545
75	2321	2306	2377
85	1963	1922	2113

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**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	808.445	808.445	808.445	808.445	808.445	808.445	808.445	808.445	808.445	808.445
2.5	809.215	809.160	806.960	806.520	803.220	806.575	807.620	809.930	810.260	809.930
5.0	805.145	805.365	803.770	803.825	800.745	804.155	805.090	807.070	807.730	807.070
7.5	799.425	800.360	799.150	799.590	796.620	799.810	800.250	802.175	803.495	802.175
10.0	792.880	794.035	792.770	793.430	790.680	793.430	793.815	795.630	797.170	795.630
12.5	785.565	786.115	785.070	785.235	782.705	785.235	786.005	788.040	789.360	788.040
15.0	776.655	776.545	775.390	775.720	772.805	775.555	776.655	779.075	779.625	779.075
17.5	765.710	765.105	763.785	764.170	761.475	764.500	765.985	768.240	768.350	768.240
20.0	752.510	751.740	749.980	751.135	748.495	751.850	753.500	755.700	755.920	755.700
22.5	737.330	736.340	735.020	736.560	734.250	737.825	739.200	741.510	741.510	741.510
25.0	720.555	719.180	718.245	720.280	718.465	721.710	723.195	725.230	725.010	725.230
27.5	701.525	700.865	700.260	702.680	701.360	704.275	705.265	707.190	707.135	707.190
30.0	682.000	681.230	680.790	683.485	682.605	685.245	686.180	687.610	687.720	687.610
32.5	662.255	660.495	660.330	662.915	662.255	664.840	665.555	667.040	666.875	667.040
35.0	640.860	638.935	638.440	641.080	640.475	643.170	643.830	645.315	644.490	645.315
37.5	618.310	615.780	615.175	617.925	617.430	620.510	621.060	622.490	620.840	622.490
40.0	594.000	590.810	590.535	593.450	593.395	596.365	597.575	598.455	596.585	598.455
42.5	568.205	564.630	564.905	567.600	568.095	571.010	572.495	573.210	570.625	573.210
45.0	541.365	537.845	537.955	540.925	541.640	544.555	545.765	546.590	543.895	546.590
47.5	513.370	509.905	509.685	513.205	513.865	517.055	517.825	518.595	515.955	518.595
50.0	484.220	480.700	480.975	484.055	485.155	487.850	489.115	489.775	487.135	489.775
52.5	454.025	450.835	451.495	454.190	455.565	457.875	459.305	460.185	457.545	460.185
55.0	423.060	420.365	421.190	423.775	424.985	427.075	428.450	429.935	427.405	429.935
57.5	391.765	388.960	389.895	393.030	394.020	395.945	397.375	398.695	396.385	398.695
60.0	359.755	357.115	358.490	361.240	362.780	364.045	365.860	366.795	364.815	366.795
62.5	327.415	324.995	326.645	328.955	330.990	331.870	333.850	334.840	333.025	334.840
65.0	295.020	292.435	294.140	296.505	298.705	299.750	301.455	302.775	300.795	302.775
67.5	262.570	259.985	261.470	264.275	266.585	267.795	269.170	270.380	268.125	270.380
70.0	230.230	227.645	229.405	231.880	234.795	235.840	237.050	238.095	235.510	238.095
72.5	198.385	195.415	197.560	199.870	202.840	203.775	205.205	206.140	203.665	206.140
75.0	166.870	163.680	165.770	168.300	170.885	171.930	173.470	174.185	172.095	174.185
77.5	135.410	132.495	134.365	137.060	139.810	140.855	142.065	142.560	140.525	142.560
80.0	104.720	102.080	104.005	106.370	109.505	110.440	111.320	111.760	109.615	111.760
82.5	75.460	72.600	74.745	76.670	79.640	80.740	81.730	82.115	79.860	82.115
85.0	47.520	44.770	46.530	48.345	51.150	52.360	53.460	53.900	51.755	53.900
87.5	20.900	18.755	19.965	21.945	24.475	25.740	26.730	27.170	25.245	27.170
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**

	<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	808.445	808.445	808.445	808.445	808.445	808.445	808.445
2.5	807.620	806.575	803.220	806.520	806.960	809.160	809.215
5.0	805.090	804.155	800.745	803.825	803.770	805.365	805.145
7.5	800.250	799.810	796.620	799.590	799.150	800.360	799.425
10.0	793.815	793.430	790.680	793.430	792.770	794.035	792.880
12.5	786.005	785.235	782.705	785.235	785.070	786.115	785.565
15.0	776.655	775.555	772.805	775.720	775.390	776.545	776.655
17.5	765.985	764.500	761.475	764.170	763.785	765.105	765.710
20.0	753.500	751.850	748.495	751.135	749.980	751.740	752.510
22.5	739.200	737.825	734.250	736.560	735.020	736.340	737.330
25.0	723.195	721.710	718.465	720.280	718.245	719.180	720.555
27.5	705.265	704.275	701.360	702.680	700.260	700.865	701.525
30.0	686.180	685.245	682.605	683.485	680.790	681.230	682.000
32.5	665.555	664.840	662.255	662.915	660.330	660.495	662.255
35.0	643.830	643.170	640.475	641.080	638.440	638.935	640.860
37.5	621.060	620.510	617.430	617.925	615.175	615.780	618.310
40.0	597.575	596.365	593.395	593.450	590.535	590.810	594.000
42.5	572.495	571.010	568.095	567.600	564.905	564.630	568.205
45.0	545.765	544.555	541.640	540.925	537.955	537.845	541.365
47.5	517.825	517.055	513.865	513.205	509.685	509.905	513.370
50.0	489.115	487.850	485.155	484.055	480.975	480.700	484.220
52.5	459.305	457.875	455.565	454.190	451.495	450.835	454.025
55.0	428.450	427.075	424.985	423.775	421.190	420.365	423.060
57.5	397.375	395.945	394.020	393.030	389.895	388.960	391.765
60.0	365.860	364.045	362.780	361.240	358.490	357.115	359.755
62.5	333.850	331.870	330.990	328.955	326.645	324.995	327.415
65.0	301.455	299.750	298.705	296.505	294.140	292.435	295.020
67.5	269.170	267.795	266.585	264.275	261.470	259.985	262.570
70.0	237.050	235.840	234.795	231.880	229.405	227.645	230.230
72.5	205.205	203.775	202.840	199.870	197.560	195.415	198.385
75.0	173.470	171.930	170.885	168.300	165.770	163.680	166.870
77.5	142.065	140.855	139.810	137.060	134.365	132.495	135.410
80.0	111.320	110.440	109.505	106.370	104.005	102.080	104.720

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CANDELA TABULATION - (Cont.)

82.5	81.730	80.740	79.640	76.670	74.745	72.600	75.460
85.0	53.460	52.360	51.150	48.345	46.530	44.770	47.520
87.5	26.730	25.740	24.475	21.945	19.965	18.755	20.900
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	295.53	N.A.	12.50
0-30	627.86	N.A.	26.60
0-40	1029.32	N.A.	43.70
0-60	1827.36	N.A.	77.50
0-80	2301.71	N.A.	97.60
0-90	2357.66	N.A.	100.00
10-90	2281.21	N.A.	96.80
20-40	733.79	N.A.	31.10
20-50	1151.9	N.A.	48.90
40-70	1092.97	N.A.	46.40
60-80	474.35	N.A.	20.10
70-80	179.42	N.A.	7.60
80-90	55.95	N.A.	2.40
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	2357.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	76.45
10-20	219.08
20-30	332.34
30-40	401.46
40-50	418.10
50-60	379.94
60-70	294.93
70-80	179.42
80-90	55.95
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

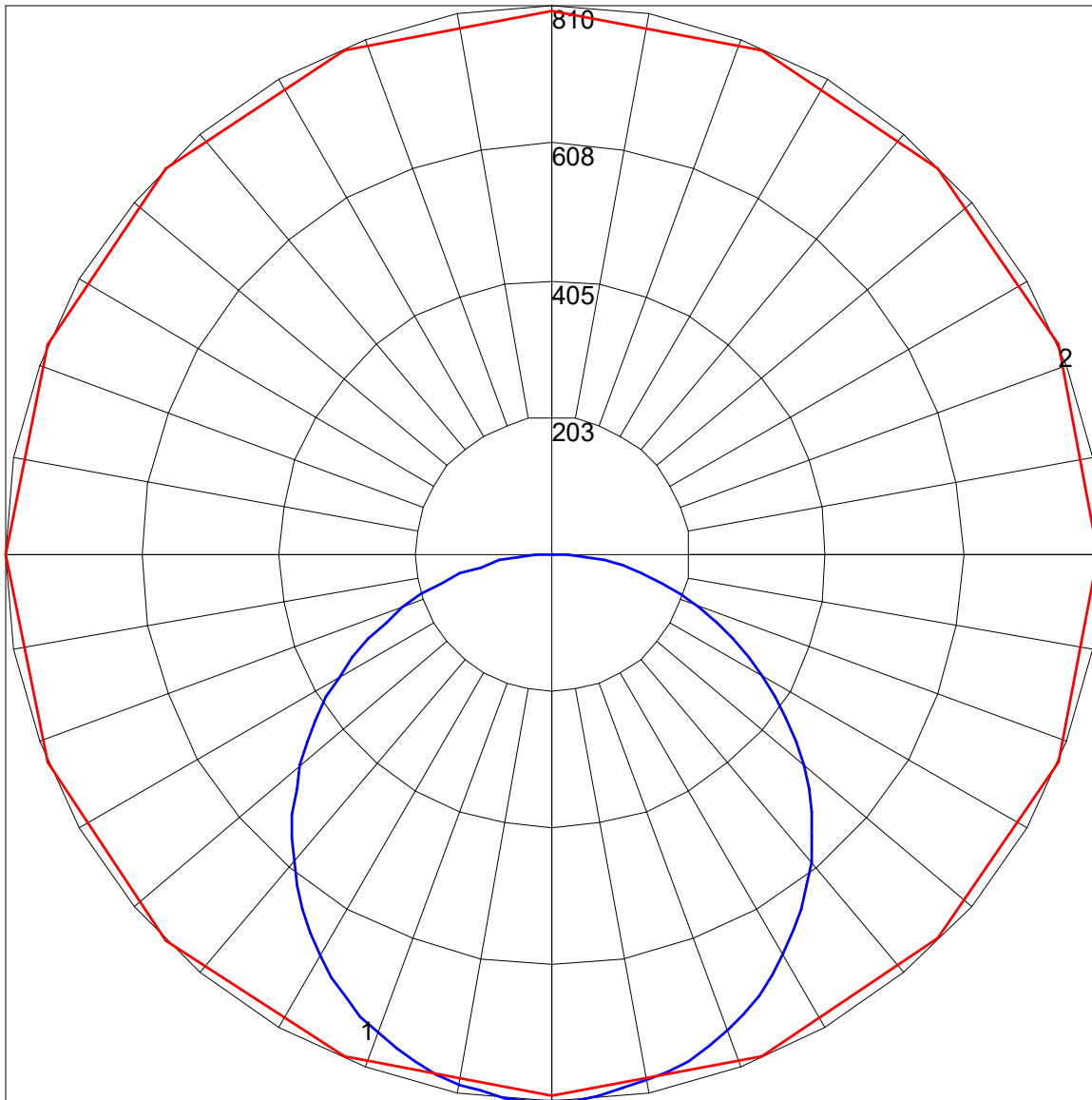
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	77	73	78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

POLAR GRAPH



Maximum Candela = 810.26 Located At Horizontal Angle = 180, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)