



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] P8614-LED35-MO-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	2915
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	30
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	3408	3386	3410
55	3283	3269	3298
65	3107	3098	3146
75	2870	2851	2939
85	2427	2376	2612

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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	999.532	999.532	999.532	999.532	999.532	999.532	999.532	999.532	999.532	999.532
2.5	1000.484	1000.416	997.696	997.152	993.072	997.220	998.512	1001.368	1001.776	1001.368
5.0	995.452	995.724	993.752	993.820	990.012	994.228	995.384	997.832	998.648	997.832
7.5	988.380	989.536	988.040	988.584	984.912	988.856	989.400	991.780	993.412	991.780
10.0	980.288	981.716	980.152	980.968	977.568	980.968	981.444	983.688	985.592	983.688
12.5	971.244	971.924	970.632	970.836	967.708	970.836	971.788	974.304	975.936	974.304
15.0	960.228	960.092	958.664	959.072	955.468	958.868	960.228	963.220	963.900	963.220
17.5	946.696	945.948	944.316	944.792	941.460	945.200	947.036	949.824	949.960	949.824
20.0	930.376	929.424	927.248	928.676	925.412	929.560	931.600	934.320	934.592	934.320
22.5	911.608	910.384	908.752	910.656	907.800	912.220	913.920	916.776	916.776	916.776
25.0	890.868	889.168	888.012	890.528	888.284	892.296	894.132	896.648	896.376	896.648
27.5	867.340	866.524	865.776	868.768	867.136	870.740	871.964	874.344	874.276	874.344
30.0	843.200	842.248	841.704	845.036	843.948	847.212	848.368	850.136	850.272	850.136
32.5	818.788	816.612	816.408	819.604	818.788	821.984	822.868	824.704	824.500	824.704
35.0	792.336	789.956	789.344	792.608	791.860	795.192	796.008	797.844	796.824	797.844
37.5	764.456	761.328	760.580	763.980	763.368	767.176	767.856	769.624	767.584	769.624
40.0	734.400	730.456	730.116	733.720	733.652	737.324	738.820	739.908	737.596	739.908
42.5	702.508	698.088	698.428	701.760	702.372	705.976	707.812	708.696	705.500	708.696
45.0	669.324	664.972	665.108	668.780	669.664	673.268	674.764	675.784	672.452	675.784
47.5	634.712	630.428	630.156	634.508	635.324	639.268	640.220	641.172	637.908	641.172
50.0	598.672	594.320	594.660	598.468	599.828	603.160	604.724	605.540	602.276	605.540
52.5	561.340	557.396	558.212	561.544	563.244	566.100	567.868	568.956	565.692	568.956
55.0	523.056	519.724	520.744	523.940	525.436	528.020	529.720	531.556	528.428	531.556
57.5	484.364	480.896	482.052	485.928	487.152	489.532	491.300	492.932	490.076	492.932
60.0	444.788	441.524	443.224	446.624	448.528	450.092	452.336	453.492	451.044	453.492
62.5	404.804	401.812	403.852	406.708	409.224	410.312	412.760	413.984	411.740	413.984
65.0	364.752	361.556	363.664	366.588	369.308	370.600	372.708	374.340	371.892	374.340
67.5	324.632	321.436	323.272	326.740	329.596	331.092	332.792	334.288	331.500	334.288
70.0	284.648	281.452	283.628	286.688	290.292	291.584	293.080	294.372	291.176	294.372
72.5	245.276	241.604	244.256	247.112	250.784	251.940	253.708	254.864	251.804	254.864
75.0	206.312	202.368	204.952	208.080	211.276	212.568	214.472	215.356	212.772	215.356
77.5	167.416	163.812	166.124	169.456	172.856	174.148	175.644	176.256	173.740	176.256
80.0	129.472	126.208	128.588	131.512	135.388	136.544	137.632	138.176	135.524	138.176
82.5	93.296	89.760	92.412	94.792	98.464	99.824	101.048	101.524	98.736	101.524
85.0	58.752	55.352	57.528	59.772	63.240	64.736	66.096	66.640	63.988	66.640
87.5	25.840	23.188	24.684	27.132	30.260	31.824	33.048	33.592	31.212	33.592
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**

	<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	999.532	999.532	999.532	999.532	999.532	999.532	999.532
2.5	998.512	997.220	993.072	997.152	997.696	1000.416	1000.484
5.0	995.384	994.228	990.012	993.820	993.752	995.724	995.452
7.5	989.400	988.856	984.912	988.584	988.040	989.536	988.380
10.0	981.444	980.968	977.568	980.968	980.152	981.716	980.288
12.5	971.788	970.836	967.708	970.836	970.632	971.924	971.244
15.0	960.228	958.868	955.468	959.072	958.664	960.092	960.228
17.5	947.036	945.200	941.460	944.792	944.316	945.948	946.696
20.0	931.600	929.560	925.412	928.676	927.248	929.424	930.376
22.5	913.920	912.220	907.800	910.656	908.752	910.384	911.608
25.0	894.132	892.296	888.284	890.528	888.012	889.168	890.868
27.5	871.964	870.740	867.136	868.768	865.776	866.524	867.340
30.0	848.368	847.212	843.948	845.036	841.704	842.248	843.200
32.5	822.868	821.984	818.788	819.604	816.408	816.612	818.788
35.0	796.008	795.192	791.860	792.608	789.344	789.956	792.336
37.5	767.856	767.176	763.368	763.980	760.580	761.328	764.456
40.0	738.820	737.324	733.652	733.720	730.116	730.456	734.400
42.5	707.812	705.976	702.372	701.760	698.428	698.088	702.508
45.0	674.764	673.268	669.664	668.780	665.108	664.972	669.324
47.5	640.220	639.268	635.324	634.508	630.156	630.428	634.712
50.0	604.724	603.160	599.828	598.468	594.660	594.320	598.672
52.5	567.868	566.100	563.244	561.544	558.212	557.396	561.340
55.0	529.720	528.020	525.436	523.940	520.744	519.724	523.056
57.5	491.300	489.532	487.152	485.928	482.052	480.896	484.364
60.0	452.336	450.092	448.528	446.624	443.224	441.524	444.788
62.5	412.760	410.312	409.224	406.708	403.852	401.812	404.804
65.0	372.708	370.600	369.308	366.588	363.664	361.556	364.752
67.5	332.792	331.092	329.596	326.740	323.272	321.436	324.632
70.0	293.080	291.584	290.292	286.688	283.628	281.452	284.648
72.5	253.708	251.940	250.784	247.112	244.256	241.604	245.276
75.0	214.472	212.568	211.276	208.080	204.952	202.368	206.312
77.5	175.644	174.148	172.856	169.456	166.124	163.812	167.416
80.0	137.632	136.544	135.388	131.512	128.588	126.208	129.472

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82.5	101.048	99.824	98.464	94.792	92.412	89.760	93.296
85.0	66.096	64.736	63.240	59.772	57.528	55.352	58.752
87.5	33.048	31.824	30.260	27.132	24.684	23.188	25.840
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	365.38	N.A.	12.50
0-30	776.27	N.A.	26.60
0-40	1272.62	N.A.	43.70
0-60	2259.29	N.A.	77.50
0-80	2845.75	N.A.	97.60
0-90	2914.93	N.A.	100.00
10-90	2820.4	N.A.	96.80
20-40	907.24	N.A.	31.10
20-50	1424.17	N.A.	48.90
40-70	1351.3	N.A.	46.40
60-80	586.46	N.A.	20.10
70-80	221.83	N.A.	7.60
80-90	69.18	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	2914.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	94.52
10-20	270.86
20-30	410.89
30-40	496.35
40-50	516.93
50-60	469.74
60-70	364.64
70-80	221.83
80-90	69.18
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

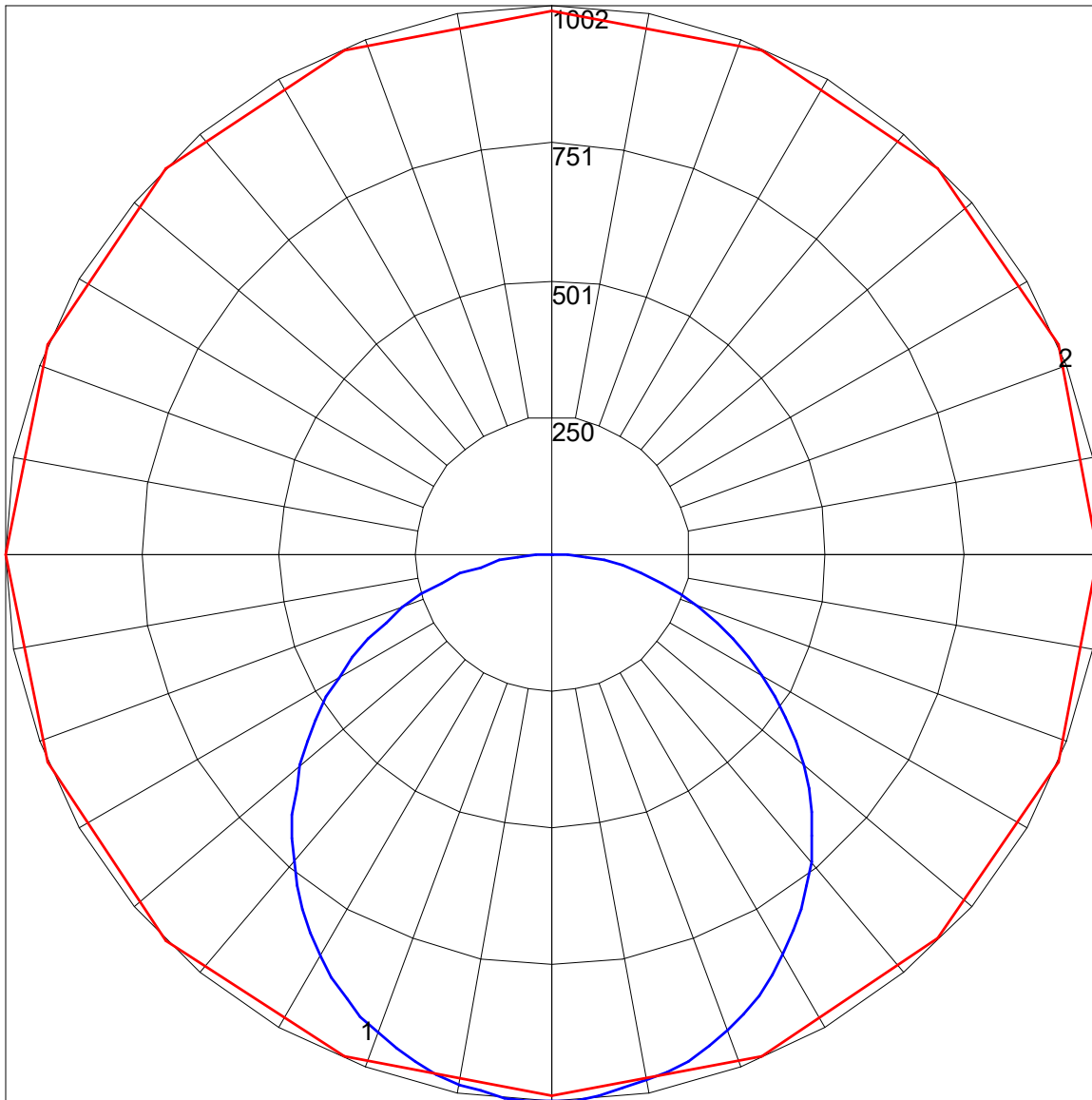
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	90	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 = 1001.776 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.)