



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P8624-LED35-LO-WA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L091503401
 [TESTLAB]
 [ISSUE DATE]
 [MANUFAC] PRUDENTIAL LTG.
 [LUMCAT] P8624-LED35-LO-WA
 [LUMINAIRE] 48"LX 24"W LED RECESSED 2X4, DIFFUSED LENS
 [BALLASTCAT] OSRAM OPTOTRONIC OT48W (2 DRIVERS)
 [LAMPPOSITION] 0,0
 [LAMPCAT] N/A
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4290
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	42
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	1.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2079	2052	1997
55	1972	1908	1850
65	1860	1750	1680
75	1580	1391	1301
85	920	582	477

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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>
0	1569.81	1569.81	1569.81	1569.81	1569.81
5	1559.16	1559.87	1561.29	1562.71	1563.42
10	1537.86	1537.86	1539.28	1539.99	1539.99
15	1502.36	1502.36	1503.07	1502.36	1502.36
20	1454.79	1454.79	1454.08	1451.95	1450.53
25	1393.02	1393.02	1391.60	1385.21	1382.37
30	1320.60	1320.60	1315.63	1307.11	1302.14
35	1233.98	1235.40	1228.30	1214.81	1207.00
40	1136.00	1136.00	1128.90	1109.73	1101.92
45	1028.79	1026.66	1015.30	996.84	988.32
50	913.77	909.51	893.18	877.56	868.33
55	791.65	785.26	766.09	751.89	742.66
60	673.08	663.85	643.97	630.48	621.96
65	550.25	537.47	517.59	504.10	497.00
70	416.77	401.86	381.98	369.20	364.23
75	286.13	271.22	252.05	239.98	235.72
80	162.59	147.68	132.06	119.99	115.73
85	56.09	47.57	35.50	29.82	29.11
90	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	572.37	N.A.	13.30
0-30	1212.6	N.A.	28.30
0-40	1978.17	N.A.	46.10
0-60	3446.28	N.A.	80.30
0-80	4231.91	N.A.	98.70
0-90	4289.73	N.A.	100.00
10-90	4141.39	N.A.	96.50
20-40	1405.8	N.A.	32.80
20-50	2186.02	N.A.	51.00
40-70	1981.4	N.A.	46.20
60-80	785.64	N.A.	18.30
70-80	272.35	N.A.	6.30
80-90	57.81	N.A.	1.30
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	4289.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	148.34
10-20	424.03
20-30	640.23
30-40	765.57
40-50	780.22
50-60	687.89
60-70	513.29
70-80	272.35
80-90	57.81
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

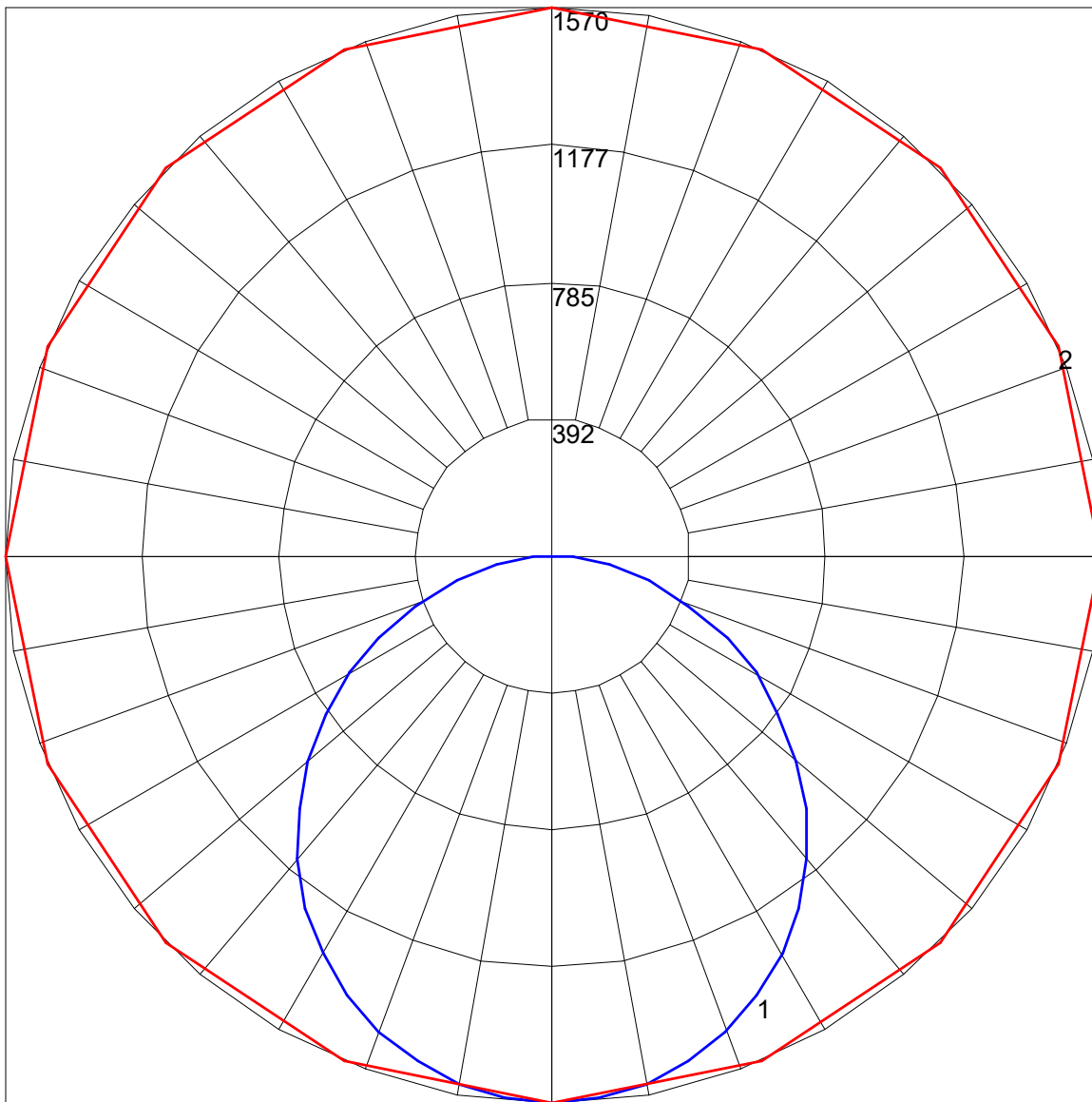
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	71	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 1569.81 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)