



## IES INDOOR REPORT

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

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] L091503401  
 [TESTLAB]  
 [ISSUE DATE]  
 [MANUFAC] PRUDENTIAL LTG.  
 [LUMCAT] P8624-LED35-SO-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	5830
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	57
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	2825	2788	2714
55	2680	2594	2514
65	2528	2378	2284
75	2147	1891	1769
85	1250	791	649

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : P8624-LED35-SO-WA.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	2133.615	2133.615	2133.615	2133.615	2133.615
<b>5</b>	2119.140	2120.105	2122.035	2123.965	2124.930
<b>10</b>	2090.190	2090.190	2092.120	2093.085	2093.085
<b>15</b>	2041.940	2041.940	2042.905	2041.940	2041.940
<b>20</b>	1977.285	1977.285	1976.320	1973.425	1971.495
<b>25</b>	1893.330	1893.330	1891.400	1882.715	1878.855
<b>30</b>	1794.900	1794.900	1788.145	1776.565	1769.810
<b>35</b>	1677.170	1679.100	1669.450	1651.115	1640.500
<b>40</b>	1544.000	1544.000	1534.350	1508.295	1497.680
<b>45</b>	1398.285	1395.390	1379.950	1354.860	1343.280
<b>50</b>	1241.955	1236.165	1213.970	1192.740	1180.195
<b>55</b>	1075.975	1067.290	1041.235	1021.935	1009.390
<b>60</b>	914.820	902.275	875.255	856.920	845.340
<b>65</b>	747.875	730.505	703.485	685.150	675.500
<b>70</b>	566.455	546.190	519.170	501.800	495.045
<b>75</b>	388.895	368.630	342.575	326.170	320.380
<b>80</b>	220.985	200.720	179.490	163.085	157.295
<b>85</b>	76.235	64.655	48.250	40.530	39.565
<b>90</b>	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : P8624-LED35-SO-WA.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	777.94	N.A.	13.30
0-30	1648.11	N.A.	28.30
0-40	2688.64	N.A.	46.10
0-60	4684.02	N.A.	80.30
0-80	5751.83	N.A.	98.70
0-90	5830.4	N.A.	100.00
10-90	5628.79	N.A.	96.50
20-40	1910.7	N.A.	32.80
20-50	2971.14	N.A.	51.00
40-70	2693.02	N.A.	46.20
60-80	1067.8	N.A.	18.30
70-80	370.16	N.A.	6.30
80-90	78.58	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	5830.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	201.62
10-20	576.32
20-30	870.17
30-40	1040.53
40-50	1060.44
50-60	934.94
60-70	697.64
70-80	370.16
80-90	78.58
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

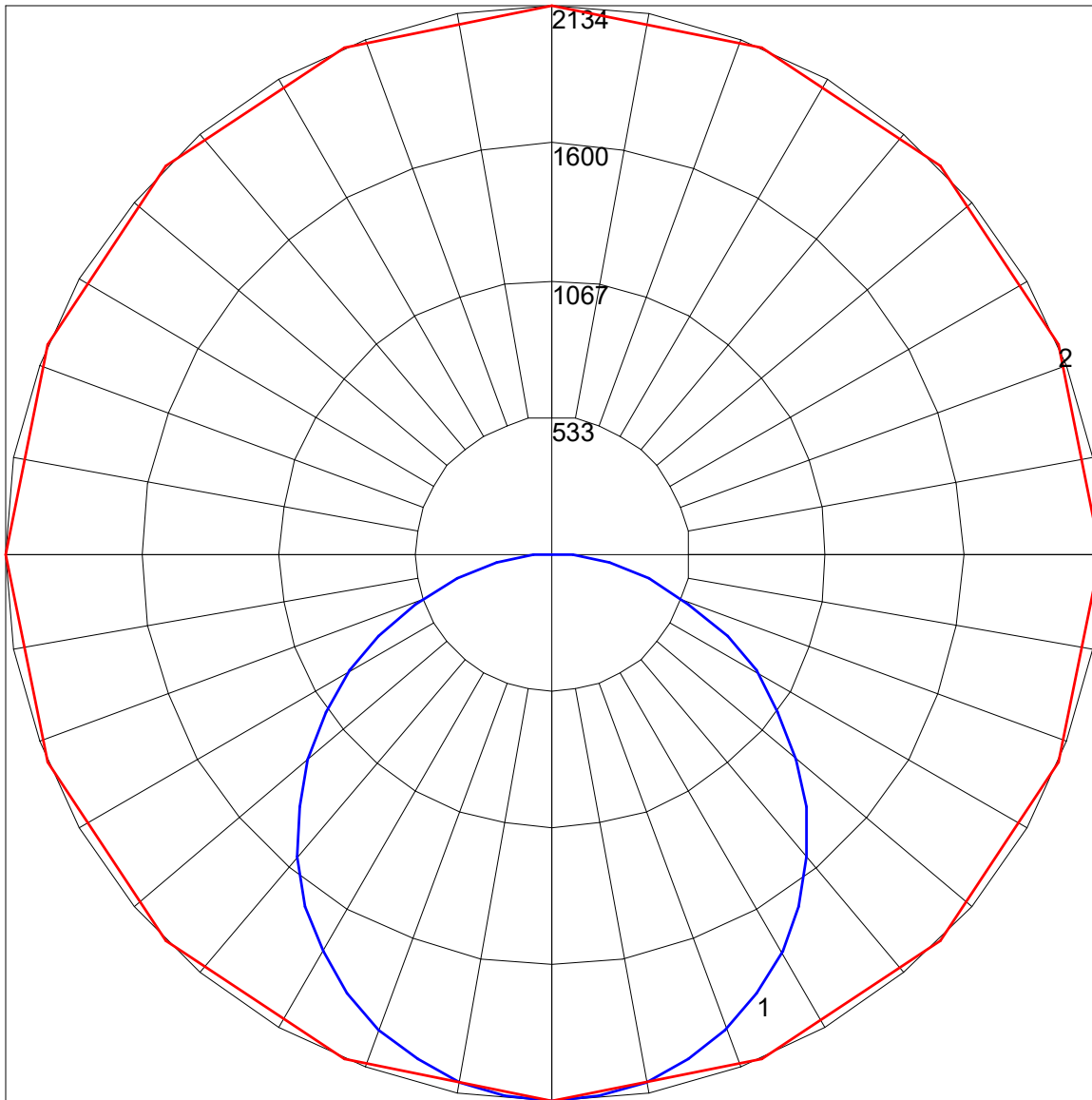
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : P8624-LED35-SO-WA.IES**

**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	109	104	100	97	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	57	51	46	44
6	71	57	48	42	69	56	48	42	55	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 = 2133.615 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.)