



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P8960-LED35-SO.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] L041411805  
 [TESTLAB] LIGHT LABORATORY, INC.  
 [ISSUE DATE] 5/14/2014  
 [MANUFAC] PRUDENTIAL LIGHTING  
 [LUMCAT] P8960-LED35-SO  
 [LUMINAIRE] 48"SQ. X 7-5/8"H. LED LUMINAIRE  
 [MORE] DIFFUSED LENS  
 [BALLASTCAT] OSRAM OPTOTRONIC OT  
 [BALLAST] INPUT: 120-277VAC  
 [LAMPPOSITION] 0,0  
 [LAMPCAT] N/A  
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
 [ INPUT] 120VAC  
 [ \_TEST PROCEDURE] IESNA:LM-79-08

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	27990
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	370
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	Circular
Luminous Length (0-180)	3.83 ft (Diameter)
Luminous Width (90-270)	3.83 ft (Diameter)
Luminous Height	0.00 ft

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : P8960-LED35-SO.IES**

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8502	8502	8502
55	8122	8122	8122
65	7736	7736	7736
75	6887	6887	6887
85	6089	6089	6089

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : P8960-LED35-SO.IES

CANDELA TABULATION

	0
0	9864.82
5	9808.40
10	9660.84
15	9426.48
20	9100.98
25	8701.70
30	8232.98
35	7694.82
40	7095.90
45	6440.56
50	5737.48
55	4991.00
60	4287.92
65	3502.38
70	2699.48
75	1909.60
80	1189.16
85	568.54
90	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : P8960-LED35-SO.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	3590.83	N.A.	12.80
0-30	7601.1	N.A.	27.20
0-40	12414.3	N.A.	44.40
0-60	21858.97	N.A.	78.10
0-80	27357.04	N.A.	97.70
0-90	27990.32	N.A.	100.00
10-90	27058.65	N.A.	96.70
20-40	8823.47	N.A.	31.50
20-50	13790.61	N.A.	49.30
40-70	12908.85	N.A.	46.10
60-80	5498.07	N.A.	19.60
70-80	2033.88	N.A.	7.30
80-90	633.28	N.A.	2.30
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	27990.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	931.66
10-20	2659.17
20-30	4010.27
30-40	4813.2
40-50	4967.14
50-60	4477.53
60-70	3464.19
70-80	2033.88
80-90	633.28
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

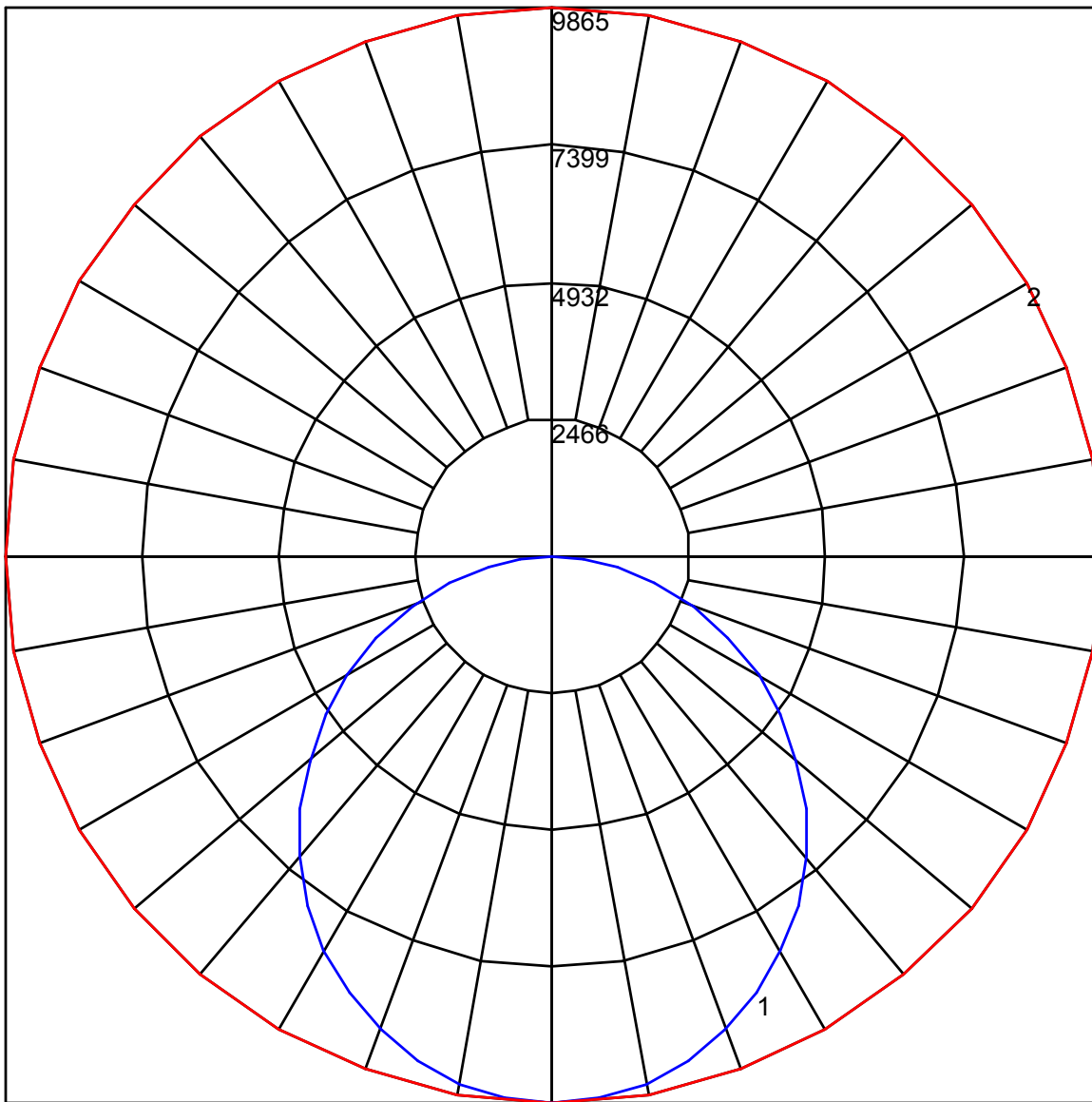
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : P8960-LED35-SO.IES**

**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	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	76	63	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	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 = 9864.82 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.)