



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P8950-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] P8950-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	21599
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	270
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

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6561	6561	6561
55	6268	6268	6268
65	5969	5969	5969
75	5314	5314	5314
85	4699	4699	4699

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CANDELA TABULATION

	0
0	7612.277
5	7568.740
10	7454.874
15	7274.028
20	7022.853
25	6714.745
30	6353.053
35	5937.777
40	5475.615
45	4969.916
50	4427.378
55	3851.350
60	3308.812
65	2702.643
70	2083.078
75	1473.560
80	917.626
85	438.719
90	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2770.9	N.A.	12.80
0-30	5865.46	N.A.	27.20
0-40	9579.61	N.A.	44.40
0-60	16867.67	N.A.	78.10
0-80	21110.3	N.A.	97.70
0-90	21598.98	N.A.	100.00
10-90	20880.05	N.A.	96.70
20-40	6808.71	N.A.	31.50
20-50	10641.65	N.A.	49.30
40-70	9961.23	N.A.	46.10
60-80	4242.63	N.A.	19.60
70-80	1569.46	N.A.	7.30
80-90	488.68	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	21598.98	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	718.93
10-20	2051.97
20-30	3094.56
30-40	3714.15
40-50	3832.94
50-60	3455.12
60-70	2673.17
70-80	1569.46
80-90	488.68
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

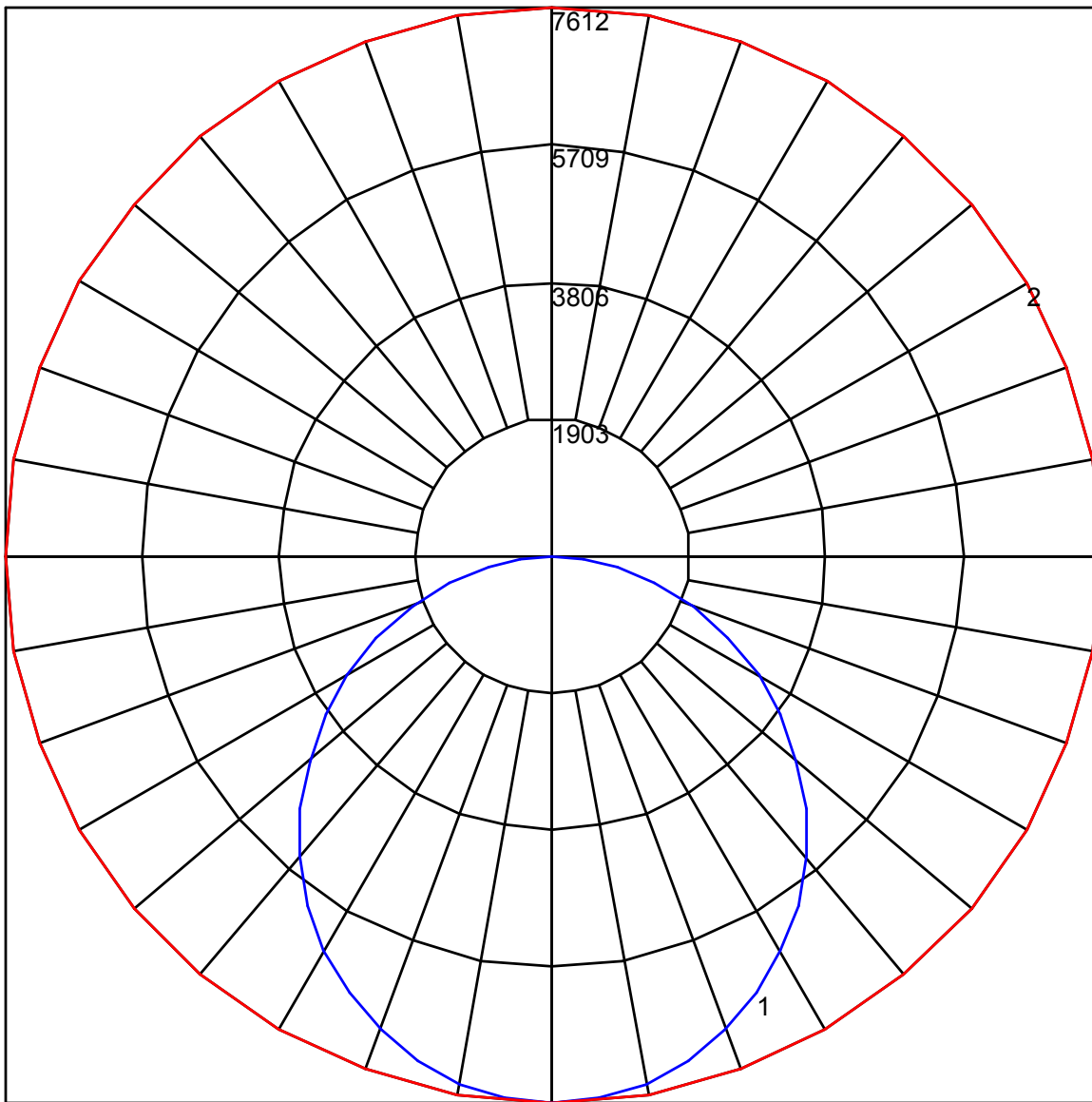
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	62	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 = 7612.277 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.)