



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P43-LED35-SO-BLW-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLI 0408-17F
 [TESTLAB] LIGHT LABORATORY INC
 [ISSUE DATE] 5/12/2008
 [MANUFACT] PRUDENTIAL LIGHTING
 [LUMCAT] P43-LED35-SO- 04 BLW -D1
 [LUMINAIRE] 49-1/4"L. X 5-1/8"W. X 5-1/8" H. DIRECT LUMINAIRE
 [MORE] WHITE PAINTED REFLECTOR
 [MORE] WHITE BLADE LOUVER

CHARACTERISTICS

Lumens Per Lamp	2900 (1 lamp)
Total Lamp Lumens	2900
Luminaire Lumens	2795
Total Luminaire Efficiency	96 %
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	40
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	0.94
Spacing Criterion (Diagonal)	1.08
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11221	7808	7756
55	8574	6757	8255
65	5234	6013	7267
75	4591	4591	6286
85	4195	3566	3566

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	1487.5	1487.5	1487.5	1487.5	1487.5
5	1540.2	1536.8	1494.3	1441.6	1422.9
15	1411.0	1405.9	1377.0	1351.5	1349.8
25	1213.8	1200.2	1186.6	1057.4	991.1
35	999.6	982.6	805.8	652.8	659.6
45	737.8	703.8	513.4	504.9	510.0
55	457.3	382.5	360.4	396.1	440.3
65	205.7	207.4	236.3	261.8	285.6
75	110.5	108.8	110.5	129.2	151.3
85	34.0	30.6	28.9	27.2	28.9
90	0.0	0.0	0.0	0.0	0.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	308.23	10.60	11.00
0-30	779.35	26.90	27.90
0-40	1314.47	45.30	47.00
0-60	2221.3	76.60	79.50
0-80	2706.36	93.30	96.80
0-90	2795.02	96.40	100.00
10-90	2759.44	95.20	98.70
20-40	1006.24	34.70	36.00
20-50	1500.52	51.70	53.70
40-70	1207.86	41.70	43.20
60-80	485.06	16.70	17.40
70-80	184.04	6.30	6.60
80-90	88.65	3.10	3.20
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	2795.02	96.40	100.00

Total Luminaire Efficiency = 96.40%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	35.58
10-20	272.66
20-30	471.12
30-40	535.12
40-50	494.28
50-60	412.56
60-70	301.02
70-80	184.04
80-90	88.65
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

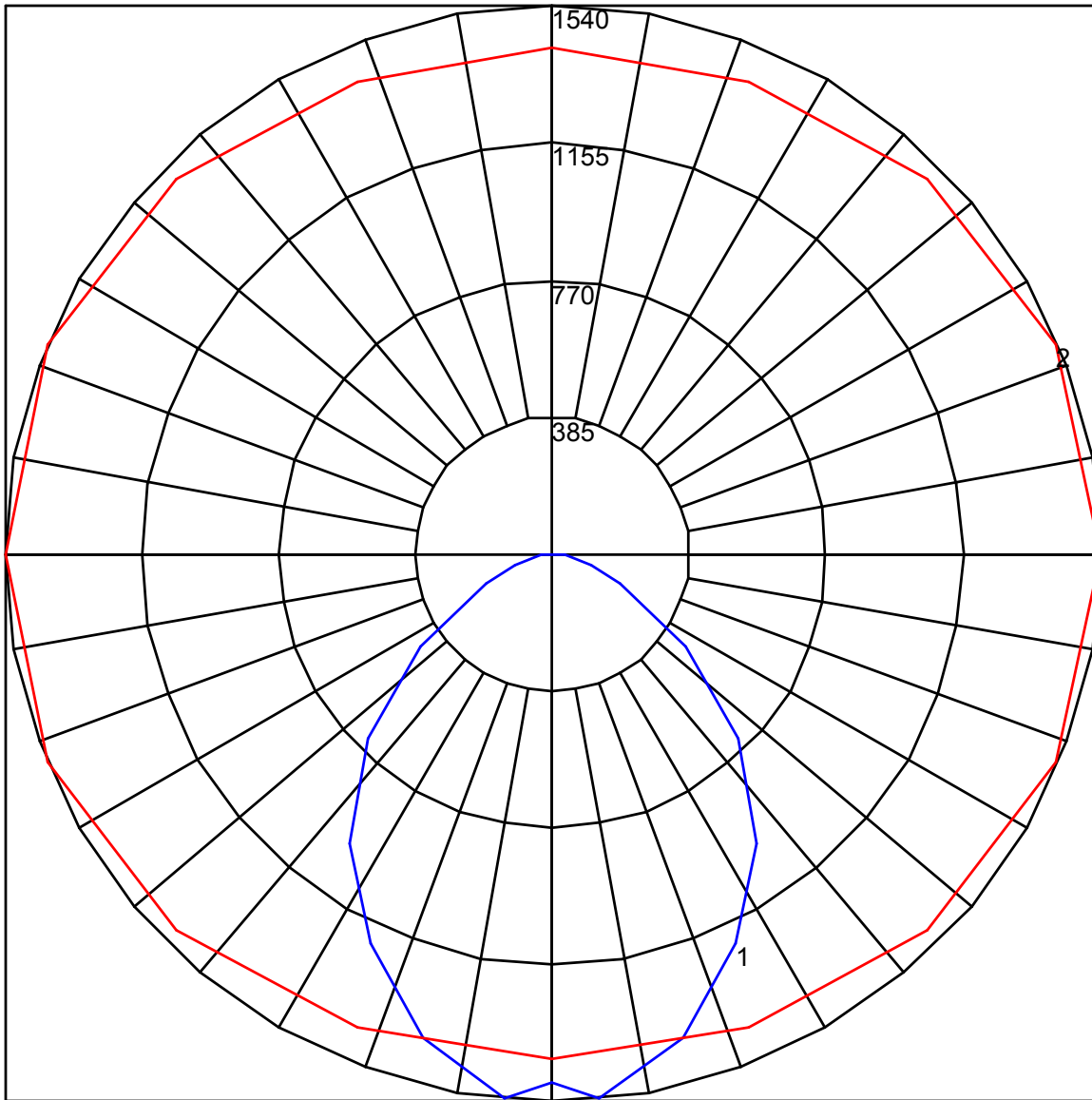
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	115	115	115	112	112	112	112	107	107	107	103	103	103	98	98	98	96
1	104	100	95	92	102	98	94	90	93	90	87	90	87	85	86	84	82	80
2	95	87	80	75	93	85	79	74	82	77	72	79	74	70	76	72	69	67
3	87	77	69	62	84	75	68	62	72	66	61	69	64	60	67	62	59	56
4	79	68	59	53	77	67	59	52	64	57	52	62	56	51	60	55	50	48
5	73	61	52	45	71	60	51	45	57	50	45	56	49	44	54	48	44	42
6	67	54	46	40	66	54	45	39	52	45	39	50	44	39	49	43	38	36
7	62	49	41	35	61	49	40	35	47	40	34	46	39	34	44	38	34	32
8	58	45	37	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
9	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25
10	51	38	30	25	49	37	30	25	36	29	25	35	29	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 1540.2 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)