



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P40-LED4-SO-SYM.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLI 0308-08D
 [TESTLAB] LIGHT LABORATORY INC
 [ISSUEDATE] 4/1/2008
 [MANUFAC] PRUDENTIAL LIGHTING
 [LUMCAT] D2
 [LUMINAIRE] 48-1/4"L. X 4"W. X 4" H. INDIRECT LUMINAIRE
 [MORE] WHITE REFLECTOR
 [BALLASTCAT]
 [BALLAST]
 [LAMPPOSITION]
 [LAMPCAT]
 [LAMPLUM]
 [INPUT] 120VAC

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3985
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	40
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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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	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000
35	0.000	0.000	0.000	0.000	0.000
45	0.000	0.000	0.000	0.000	0.000
55	0.000	0.000	0.000	0.000	0.000
65	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000
95	62.475	92.463	93.296	91.630	90.797
105	268.226	324.870	323.204	311.542	307.377
115	480.641	559.776	562.275	542.283	532.287
125	678.895	756.364	783.020	762.195	748.867
135	853.825	915.467	949.620	940.457	930.461
145	1001.266	1047.914	1076.236	1071.238	1066.240
155	1109.556	1141.210	1151.206	1140.377	1133.713
165	1192.023	1207.017	1192.023	1160.369	1147.874
175	1229.508	1227.009	1187.858	1142.876	1126.216
180	1162.035	1162.035	1162.035	1162.035	1162.035

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	240.15	N.A.	6.00
90-120	679.89	N.A.	17.10
90-130	1294.79	N.A.	32.50
90-150	2696.39	N.A.	67.70
90-180	3985.4	N.A.	100.00
110-180	3745.25	N.A.	94.00
0-180	3985.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	24.23
100-110	215.91
110-120	439.75
120-130	614.89
130-140	704.04
140-150	697.56
150-160	601.25
160-170	434.70
170-180	253.06

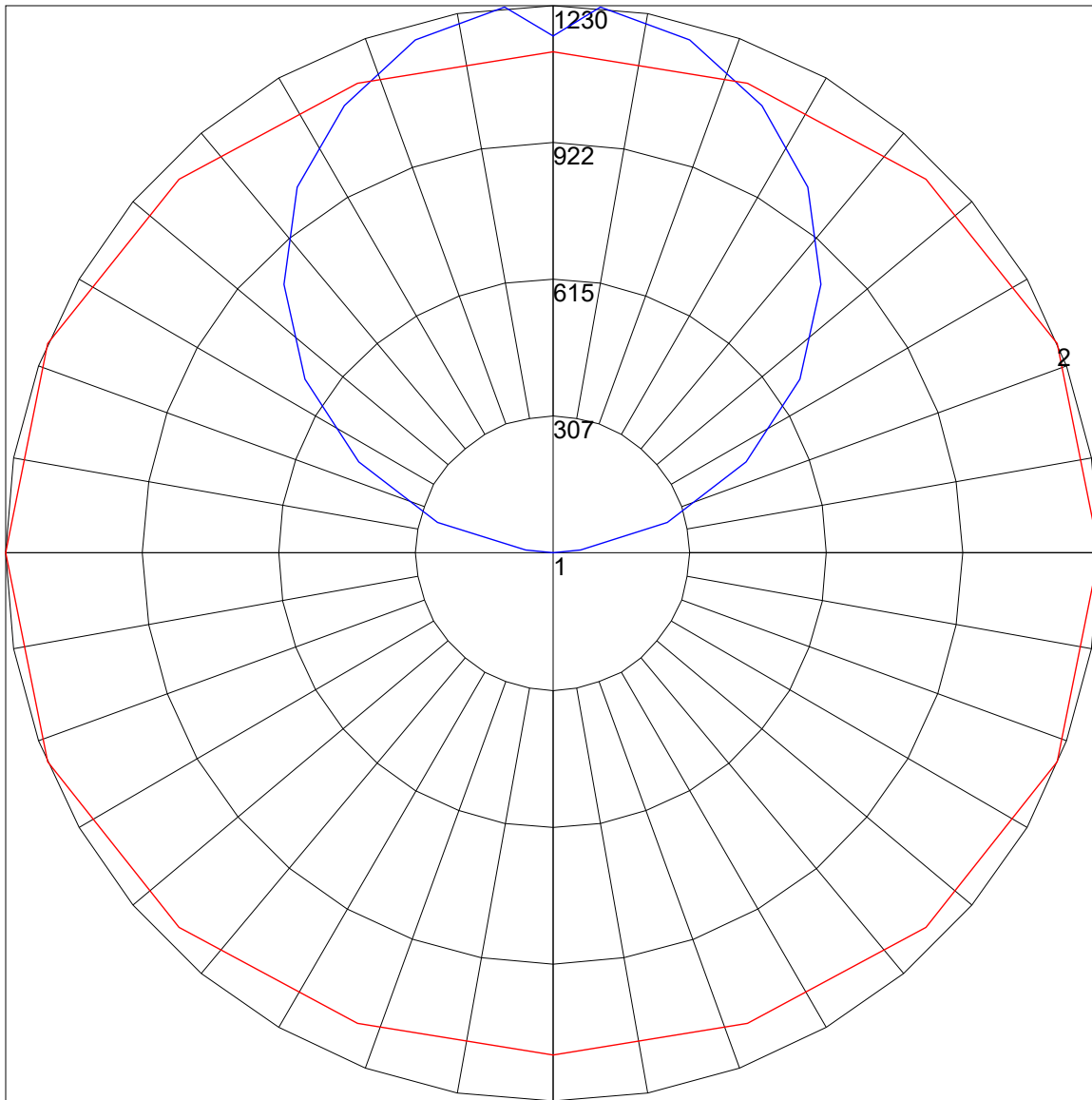
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 1229.508 Located At Horizontal Angle = 0, Vertical Angle = 175
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)