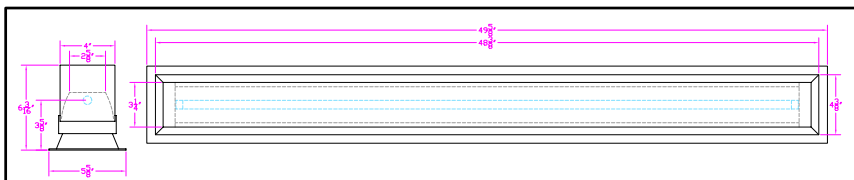




IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI100813A.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLI 1008-13A
[TESTLAB] LIGHT LABORATORY INC
[ISSUE DATE] 11/17/2008
[MANUFAC] PRUDENTIAL LTG.
[LUMCAT] P42-1T5-04-WA-SC-120
[LUMINAIRE] 49-5/8"L. X 5-5/8"W. X 6-3/16"H. RECESSED LUMINAIRE
[MORE] WHITE PAINTED REFLECTOR
[MORE] WHITE ACRYLIC LENS
[BALLASTCAT] ADVANCE ICN-2S54-90C
[BALLAST] 120-277V 50/60Hz ELECTRONIC
[LAMPPOSITION] 0,90
[LAMPCAT] PHILIPS F54T5/835/HO
[LAMPLUM] 5000
[INPUT] 120VAC, 59.85W



CHARACTERISTICS

Total Rated Lamp Lumens	5000
Total Luminaire Efficiency	46 %
Luminaire Efficacy Rating (LER)	38
Total Luminaire Watts	60
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.32
Spacing Criteria (90-270)	1.18
Spacing Criteria (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.03 ft
Luminous Width (90-270)	0.27 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8847	7799	6583
55	8598	6737	5221
65	8068	4841	3204
75	6797	2597	2367
85	3288	2608	2495

NOTE: ALL TESTS ASSUME BALLAST FACTOR (BF) = 1.0 UNLESS STATED.
IF TEST OR OTHER BALLAST USED HAS A BF OTHER THAN 1.0, ALL
LUMEN, CANDELA, AND LUMINANCE VALUES SHOULD BE MULTIPLIED BY
THE BF, CU, EFFICIENCY AND % FLUX VALUES REMAIN AS LISTED.
TOTAL WATTS VALUE APPLIES ONLY TO TESTED BALLAST.

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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	886	886	886	886	886
5	928	926	900	868	856
15	897	900	885	859	848
25	832	837	830	782	763
35	746	754	711	654	632
45	633	634	558	495	471
55	499	474	391	327	303
65	345	303	207	158	137
75	178	126	68	63	62
85	29	25	23	22	22
90	0	0	0	0	0

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PHOTOMETRIC FILENAME : LLI100813A.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	506.83	10.1	22
0-40	921.27	18.4	40.1
0-60	1767.29	35.3	76.9
0-90	2299.61	46	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	2299.61	46	100

Total Luminaire Efficiency = 46%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	21.31
10-20	168.85
20-30	316.67
30-40	414.44
40-50	444.14
50-60	401.88
60-70	296.64
70-80	165.44
80-90	70.24
90-100	0
100-110	0
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

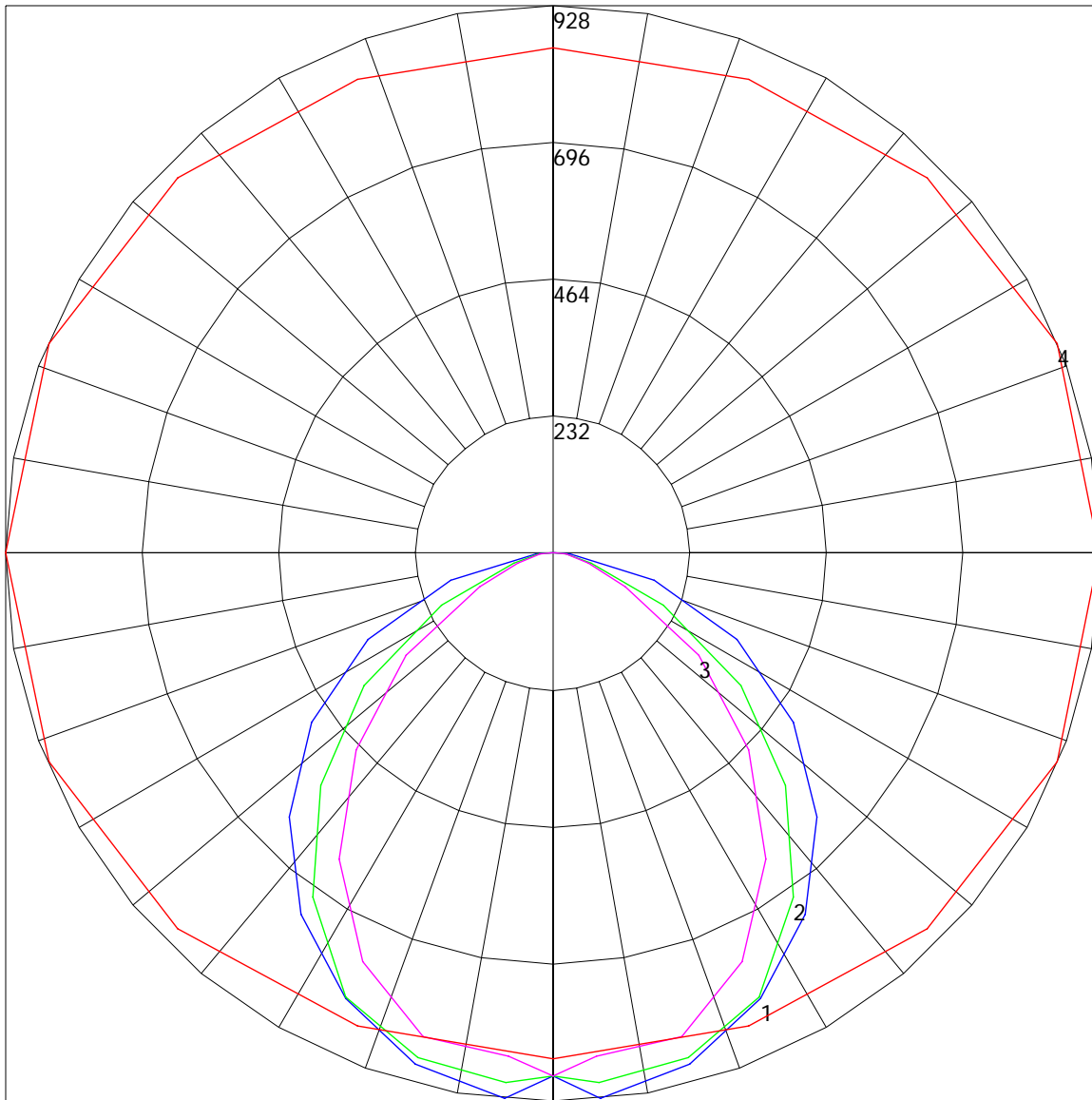
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	55	55	55	55	53	53	53	53	51	51	51	49	49	49	47	47	47	46
1	50	47	45	43	48	46	44	43	44	43	41	42	41	40	41	40	39	38
2	45	41	38	35	44	40	37	34	38	36	33	37	35	33	35	34	32	31
3	41	36	32	28	40	35	31	28	33	30	28	32	29	27	31	29	27	26
4	37	31	27	24	36	31	27	24	29	26	23	28	25	23	27	25	23	22
5	34	28	23	20	33	27	23	20	26	23	20	25	22	20	24	22	19	18
6	31	25	20	17	30	24	20	17	23	20	17	23	19	17	22	19	17	16
7	29	22	18	15	28	22	18	15	21	17	15	20	17	15	20	17	15	14
8	27	20	16	13	26	20	16	13	19	16	13	19	15	13	18	15	13	12
9	25	18	14	12	24	18	14	12	17	14	12	17	14	11	16	14	11	11
10	23	17	13	10	22	16	13	10	16	13	10	16	12	10	15	12	10	9

POLAR GRAPH



Maximum Candela = 928 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.) : BLUE
2 - Vertical Plane Through Horizontal Angles (45 - 225) : GREEN
3 - Vertical Plane Through Horizontal Angles (90 - 270) : MAGENTA
4 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.) : RED