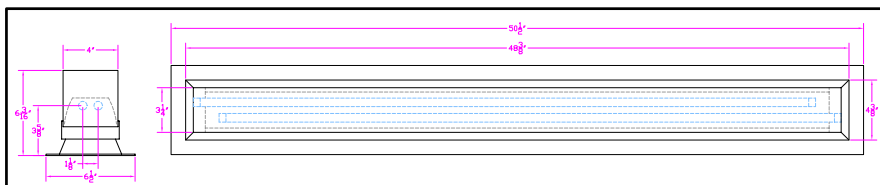




**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LLI100813B.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LLI 1008-13B  
[TESTLAB] LIGHT LABORATORY INC  
[ISSUEDATE] 11/17/2008  
[MANUFAC] PRUDENTIAL LTG.  
[LUMCAT] P42-2T5-04-WA-SC-120  
[LUMINAIRE] 50-1/2"L. X 6-1/2"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, 100.82W



**CHARACTERISTICS**

Total Rated Lamp Lumens	10000 (2 lamps)
Total Luminaire Efficiency	35.3 %
Luminaire Efficacy Rating (LER)	35
Total Luminaire Watts	101
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.32
Spacing Criteria (90-270)	1.20
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	13516	12034	10175
55	13147	10425	8116
65	12394	8021	5098
75	10616	3971	3475
85	5897	3742	3402

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.

IES INDOOR REPORT  
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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>
<b>0</b>	1350	1350	1350	1350	1350
<b>5</b>	1415	1410	1371	1321	1302
<b>15</b>	1368	1371	1346	1306	1290
<b>25</b>	1269	1274	1264	1203	1174
<b>35</b>	1136	1144	1088	1004	972
<b>45</b>	967	972	861	765	728
<b>55</b>	763	730	605	508	471
<b>65</b>	530	467	343	244	218
<b>75</b>	278	198	104	93	91
<b>85</b>	52	36	33	32	30
<b>90</b>	0	0	0	0	0

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LLI100813B.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	772.47	7.7	21.9
0-40	1405.82	14.1	39.8
0-60	2705.88	27.1	76.6
0-90	3532.11	35.3	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	3532.11	35.3	100

Total Luminaire Efficiency = 35.3%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	32.46
10-20	257.05
20-30	482.97
30-40	633.35
40-50	680.73
50-60	619.34
60-70	460.97
70-80	258.26
80-90	107
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

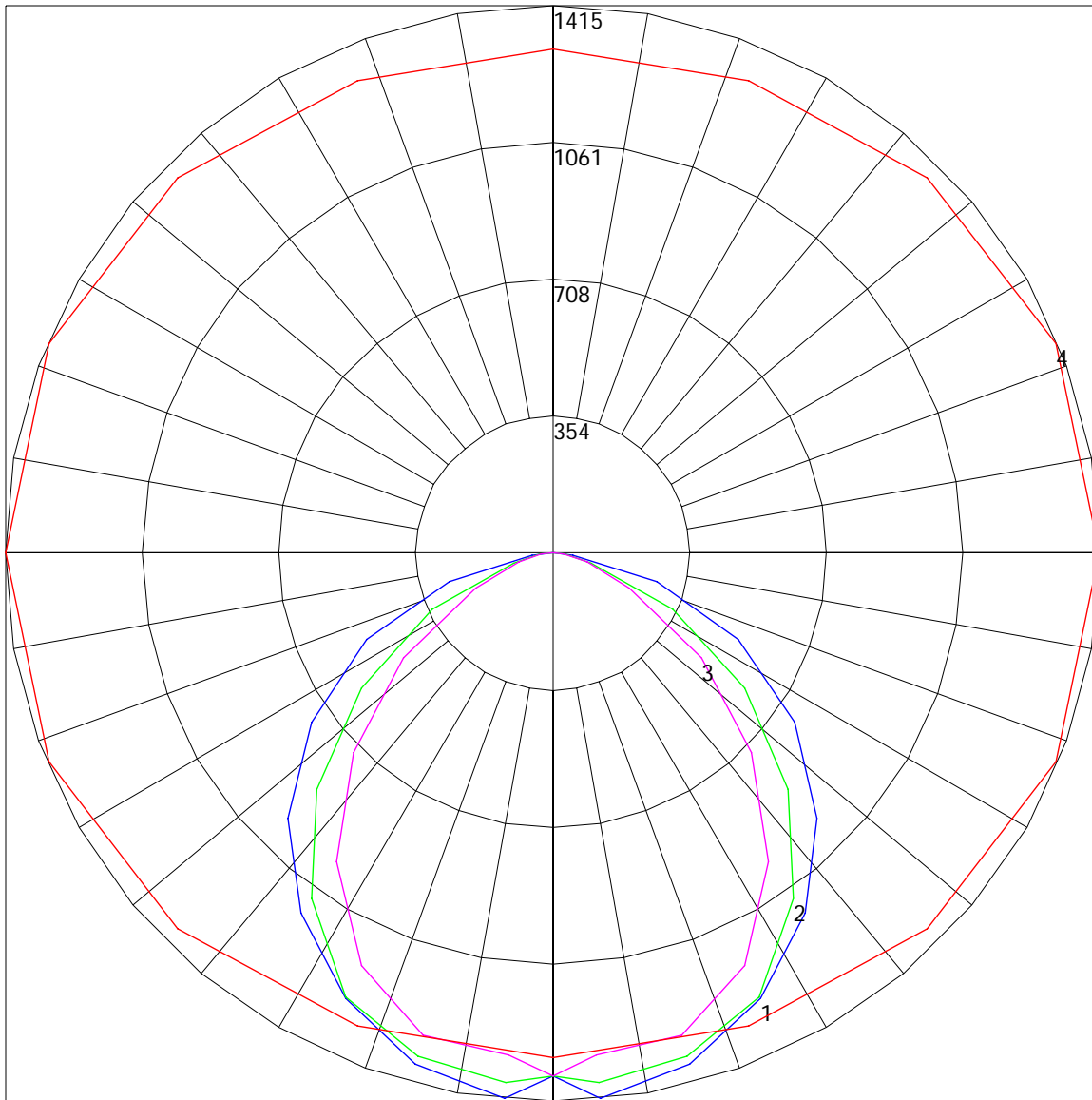
IES INDOOR REPORT  
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	42	42	42	42	41	41	41	41	39	39	39	38	38	38	36	36	36	35
1	38	36	35	33	37	35	34	33	34	33	32	33	32	31	31	30	30	29
2	34	31	29	27	33	31	28	26	29	27	26	28	27	25	27	26	25	24
3	31	27	24	22	30	27	24	22	26	23	21	25	23	21	24	22	20	20
4	28	24	21	18	28	23	20	18	23	20	18	22	19	18	21	19	17	16
5	26	21	18	15	25	21	18	15	20	17	15	19	17	15	19	16	15	14
6	24	19	16	13	23	19	15	13	18	15	13	17	15	13	17	14	13	12
7	22	17	14	11	21	17	14	11	16	13	11	16	13	11	15	13	11	10
8	20	15	12	10	20	15	12	10	15	12	10	14	12	10	14	11	10	9
9	19	14	11	9	18	14	11	9	13	11	9	13	11	9	13	10	9	8
10	18	13	10	8	17	13	10	8	12	10	8	12	10	8	12	9	8	7

POLAR GRAPH



Maximum Candela = 1415 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