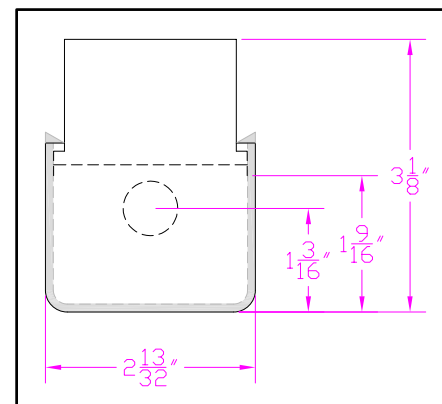


IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI01100301.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLI 0110-0301
 [TESTLAB] LIGHT LABORATORY INC
 [ISSUE DATE] 01/06/2010
 [MANUFAC] PRUDENTIAL LIGHTING
 [LUMCAT] S1-1T5-04-SAL-YGW
 [LUMINAIRE] 48-1/4"L. X 2-13/32"W. X 3-1/8"H. LINEAR FLUORESCENT LUMINAIRE
 [MORE] WHITE REFLECTOR WITH FROAST ACRYLIC LENS
 [BALLASTCAT] UNIVERSAL LIGHT TECHNOLOGIES B228PUNV-C
 [BALLAST] 120 TO 277VA 50/60Hz ELECTRONIC
 [LAMPPOSITION] 0,90
 [LAMPCAT] GE F28W/T5/830/ECO
 [LAMPLUM] 2900
 [INPUT] 120VAC, 31.90W

CHARACTERISTICS

Lumens Per Lamp	2900 (1 lamp)
Total Lumens	2900
Luminaire Lumens	2592
Total Luminaire Efficiency	89 %
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	31.9
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	1.16
Spacing Criteria (90-270)	1.54
Spacing Criteria (Diagonal)	1.52
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.13 ft


LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4640	4783	5300
55	4569	4703	5506
65	3330	4705	5740
75	2362	4561	5943
85	16869	4142	6203

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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	466	466	466	466	466
5	463	465	469	473	476
15	437	447	463	476	482
25	388	410	441	467	477
35	323	359	409	451	468
45	252	302	373	435	460
55	204	244	339	419	453
65	112	164	301	393	432
75	51	107	246	355	392
85	150	90	175	304	339
90	137	81	160	280	312
95	127	75	148	253	285
105	104	64	142	205	230
115	84	53	114	160	178
125	33	43	89	122	134
135	17	40	68	93	101
145	9	22	52	68	74
155	10	15	35	46	51
165	11	13	18	25	26
175	11	11	12	12	12
180	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI01100301.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	268.04	9.2	10.3
0-40	498.38	17.2	19.2
0-60	1062.75	36.6	41
0-90	1961.14	67.6	75.7
90-120	400.87	13.8	15.5
90-130	495.19	17.1	19.1
90-150	596.88	20.6	23
90-180	630.53	21.7	24.3
0-180	2591.66	89.4	100

Total Luminaire Efficiency = 89.4%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	11.18
10-20	88.48
20-30	168.38
30-40	230.34
40-50	271.08
50-60	293.28
60-70	291.72
70-80	264.95
80-90	341.71
90-100	97.72
100-110	169.88
110-120	133.28
120-130	94.32
130-140	62.66
140-150	39.03
150-160	21.22
160-170	9.41
170-180	3.02

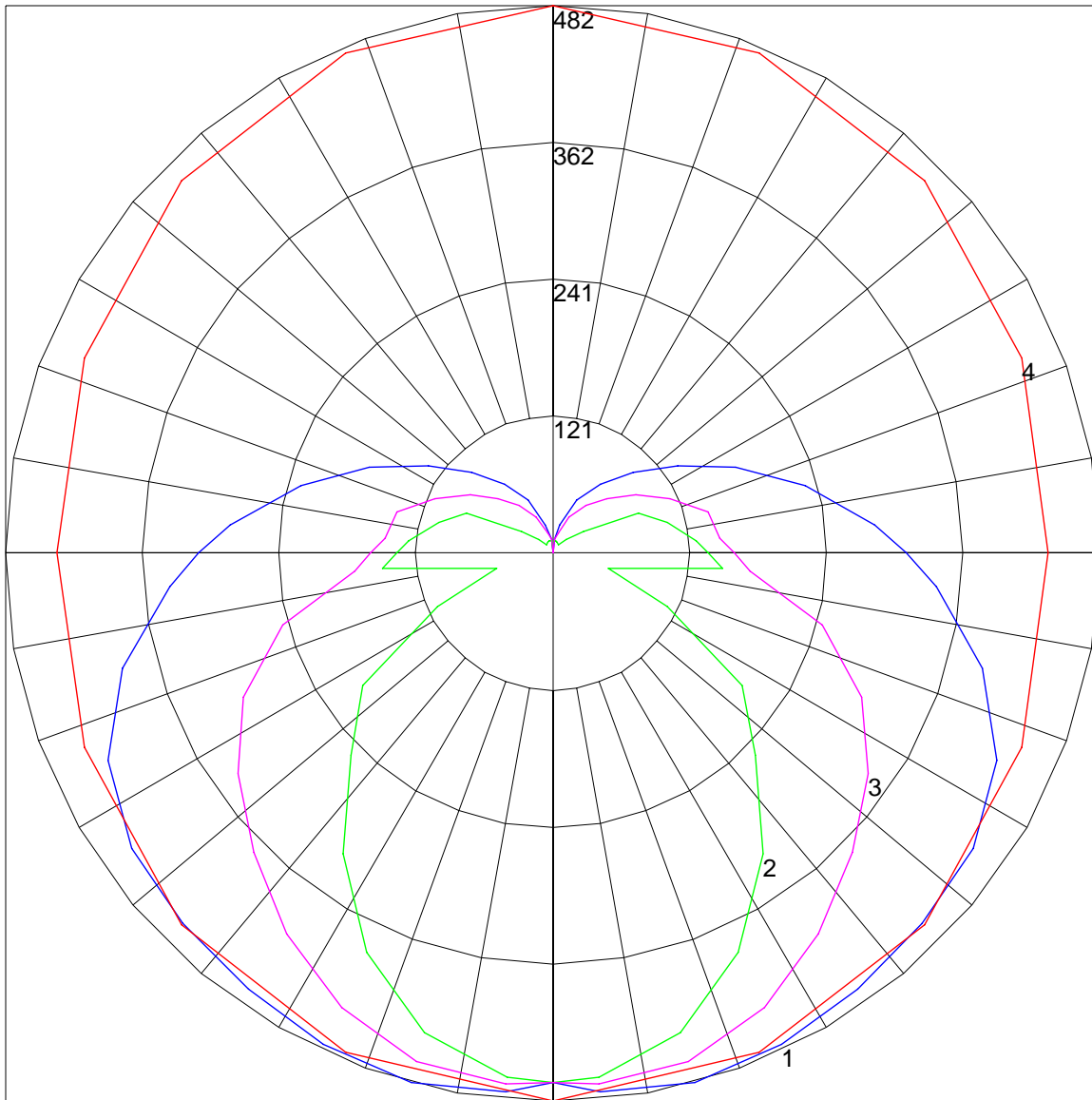
IES INDOOR REPORT
 PHOTOMETRIC FILENAME : LLI01100301.IES

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	101	101	101	101	96	96	96	96	87	87	87	79	79	79	71	71	71	68
1	87	81	75	70	82	77	72	67	69	65	61	61	58	55	55	52	50	46
2	78	68	60	54	73	65	57	51	58	52	47	51	47	43	45	42	38	35
3	70	59	50	43	66	55	47	41	49	43	37	44	39	34	39	35	31	28
4	63	51	42	35	59	48	40	34	43	36	31	38	33	28	34	29	25	22
5	58	45	36	29	54	42	34	28	38	31	26	34	28	23	30	25	21	19
6	53	40	31	25	50	38	30	24	34	27	22	30	24	20	27	22	18	16
7	49	36	27	21	46	34	26	20	30	24	19	27	22	17	24	19	16	13
8	45	32	24	19	42	31	23	18	28	21	16	25	19	15	22	17	14	12
9	42	29	22	16	39	28	21	16	25	19	14	23	17	13	20	16	12	10
10	39	27	19	14	37	25	19	14	23	17	13	21	16	12	19	14	11	9

POLAR GRAPH



Maximum Candela = 482 Located At Horizontal Angle = 90, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.) : BLUE
2 - Vertical Plane Through Horizontal Angles (0 - 180) : GREEN
3 - Vertical Plane Through Horizontal Angles (45 - 225) : MAGENTA
4 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.) : RED

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.