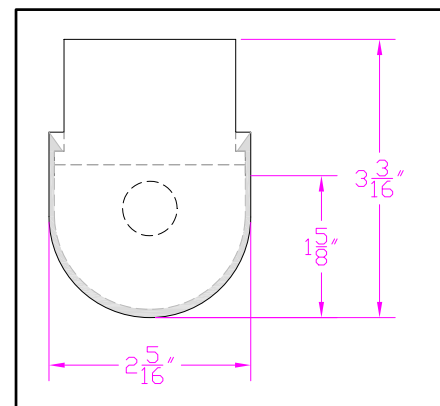


IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI01101601.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLI 0110-1601
 [TESTLAB] LIGHT LABORATORY INC
 [ISSUE DATE] 01/14/2010
 [MANUFAC] PRUDENTIAL LIGHTING
 [LUMCAT] R1-04-1T5-LPA-TMW-SC-120
 [LUMINAIRE] 48-1/4"L. X 2-5/16"W. X 3-3/16"H. LINEAR FLUORESCENT LUMINAIRE
 [MORE] WHITE REFLECTOR WITH CLEAR LINEAR PRISMATIC 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, 31.61W

CHARACTERISTICS

Lumens Per Lamp	2900 (1 lamp)
Total Lumens	2900
Luminaire Lumens	2604
Total Luminaire Efficiency	90 %
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	31.61
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	1.30
Spacing Criteria (90-270)	2.04
Spacing Criteria (Diagonal)	1.90
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.19 ft
Luminous Height	0.14 ft


LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5568	7314	6152
55	6132	5629	5986
65	5045	4844	5736
75	1644	3330	5540
85	11016	2938	4618

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI01101601.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	371	371	371	371	371
5	367	379	406	431	440
15	353	422	524	584	602
25	330	470	604	674	696
35	307	499	641	669	657
45	288	498	565	522	534
55	261	416	406	469	498
65	162	218	314	409	442
75	34	114	185	343	380
85	95	65	131	226	268
90	78	54	105	182	218
95	55	52	90	148	180
105	17	40	74	106	121
115	15	34	58	88	97
125	9	18	51	68	76
135	9	16	41	52	57
145	9	14	31	38	41
155	9	13	22	30	32
165	9	11	15	20	21
175	10	10	11	11	11
180	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI01101601.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	295.37	10.2	11.3
0-40	606.96	20.9	23.3
0-60	1368.74	47.2	52.6
0-90	2253.92	77.7	86.5
90-120	222.81	7.7	8.6
90-130	272.07	9.4	10.4
90-150	327.79	11.3	12.6
90-180	350.48	12.1	13.5
0-180	2604.4	89.8	100

Total Luminaire Efficiency = 89.8%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	9.28
10-20	86.23
20-30	199.87
30-40	311.59
40-50	377.26
50-60	384.52
60-70	345.43
70-80	269.13
80-90	270.62
90-100	61.37
100-110	93.9
110-120	67.54
120-130	49.26
130-140	33.72
140-150	22
150-160	13.25
160-170	6.86
170-180	2.59

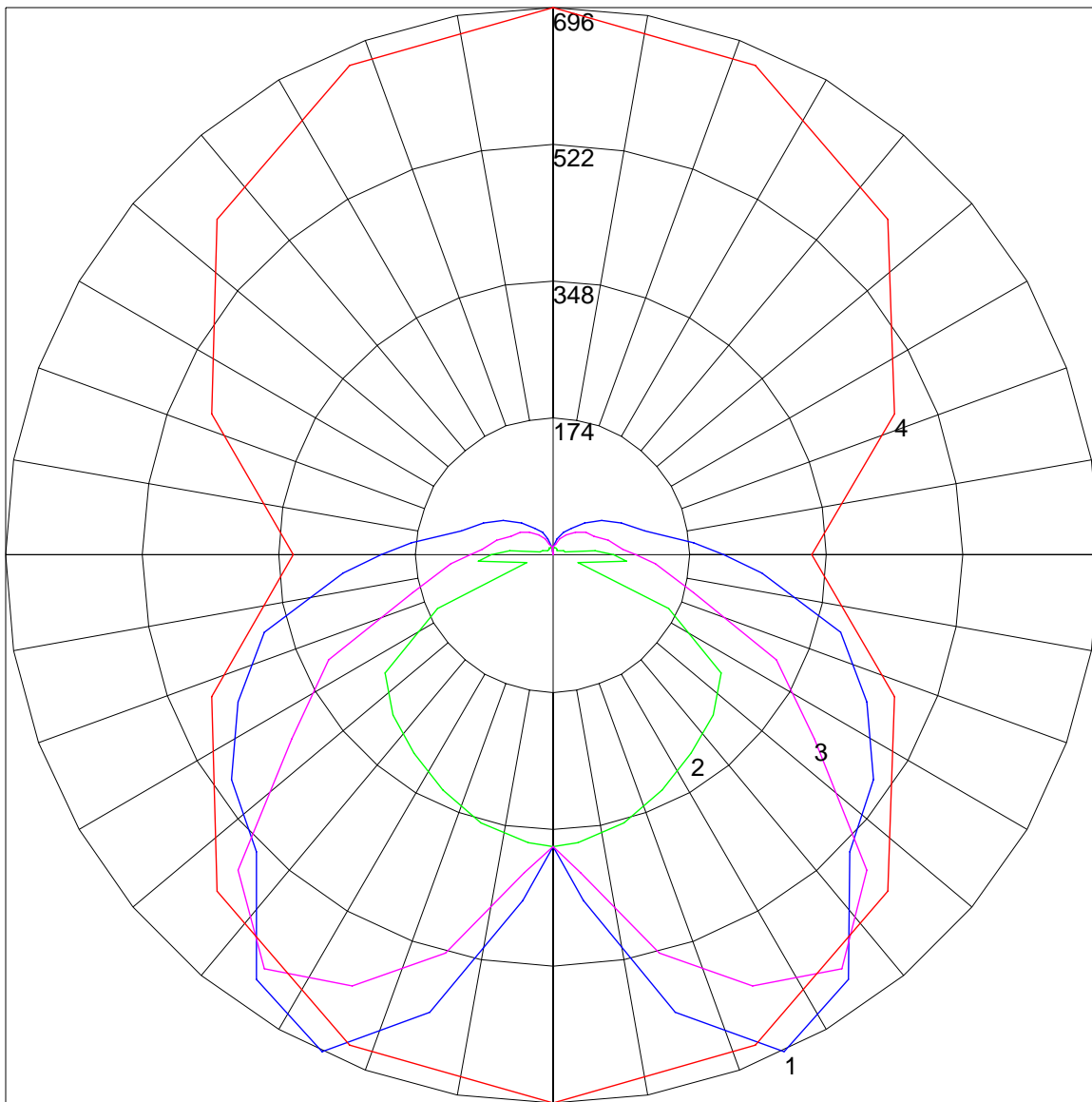
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI01101601.IES

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	104	104	104	104	100	100	100	100	93	93	93	87	87	87	81	81	81	78
1	91	85	79	75	87	81	77	72	75	71	68	70	66	63	64	62	59	56
2	81	71	64	57	77	69	62	56	63	57	52	58	54	49	54	50	46	44
3	73	61	52	45	69	59	51	44	54	47	42	50	44	40	46	41	37	35
4	66	53	44	37	62	51	43	36	47	40	34	43	37	32	40	35	31	28
5	60	47	37	31	57	45	36	30	41	34	28	38	32	27	35	30	26	23
6	55	41	32	26	52	40	31	25	37	29	24	34	28	23	31	26	22	19
7	50	37	28	22	48	35	27	22	33	26	21	31	24	20	28	23	19	16
8	46	33	25	19	44	32	24	19	30	23	18	28	21	17	26	20	16	14
9	43	30	22	17	41	29	21	16	27	20	16	25	19	15	23	18	14	12
10	40	27	20	15	38	26	19	14	25	18	14	23	17	13	21	16	12	11

POLAR GRAPH



Maximum Candela = 696 Located At Horizontal Angle = 90, Vertical Angle = 25
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 (25) (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.