



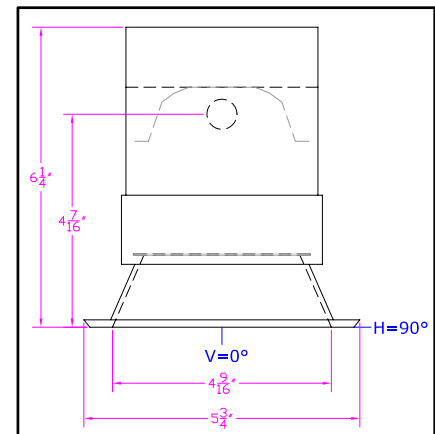
IES INDOOR REPORT
PHOTOMETRIC FILENAME : L05101209.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L0510-1209
[TESTLAB] LIGHT LABORATORY INC
[ISSUE DATE] 5/27/2010
[MANUFAC] PRUDENTIAL LIGHTING
[LUMCAT] P-42-1T5-04-LPA-JW
[LUMINAIRE] 49-3/4"L. X 5-3/4"W. X 6-1/4"H. LINEAR FLUORESCENT RECESSED LUMINAIRE
[MORE] WHITE REFLECTOR
[MORE] LINEAR PRISMATIC FILM LENS
[[BALLASTCAT] PHILIPS ADVANCE ICN-2S28-N
[BALLAST] 120 TO 277VAC 50/60Hz ELECTRONIC
[LAMPPOSITION] 0,90
[LAMPCAT] SYLVANIA FP28/835/ECO
[_LAMPLUM] 2900
[_INPUT] 120VAC, 31.53W

CHARACTERISTICS

Lumens Per Lamp	2900 (1 lamp)
Total Lamp Lumens	2900
Luminaire Lumens	1674
Total Luminaire Efficiency	58 %
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	31.53
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.20
Spacing Criteria (90-270)	0.94
Spacing Criteria (Diagonal)	1.08
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.04 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5399	3071	2090
55	4690	1954	1624
65	3812	1624	1425
75	2896	1028	893
85	1688	964	964

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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	951	951	951	951	951
5	945	945	942	940	942
15	904	896	876	855	849
25	823	803	742	660	628
35	705	663	506	397	369
45	545	471	310	230	211
55	384	299	160	143	133
65	230	146	98	92	86
75	107	64	38	34	33
85	21	13	12	12	12
90	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	496.83	17.10	29.70
0-40	841.38	29.00	50.30
0-60	1384.59	47.70	82.70
0-90	1673.89	57.70	100.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
0-180	1673.89	57.70	100.00

Total Luminaire Efficiency = 57.70%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	22.64
10-20	172.93
20-30	301.26
30-40	344.55
40-50	307.30
50-60	235.92
60-70	160.59
70-80	90.05
80-90	38.65
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

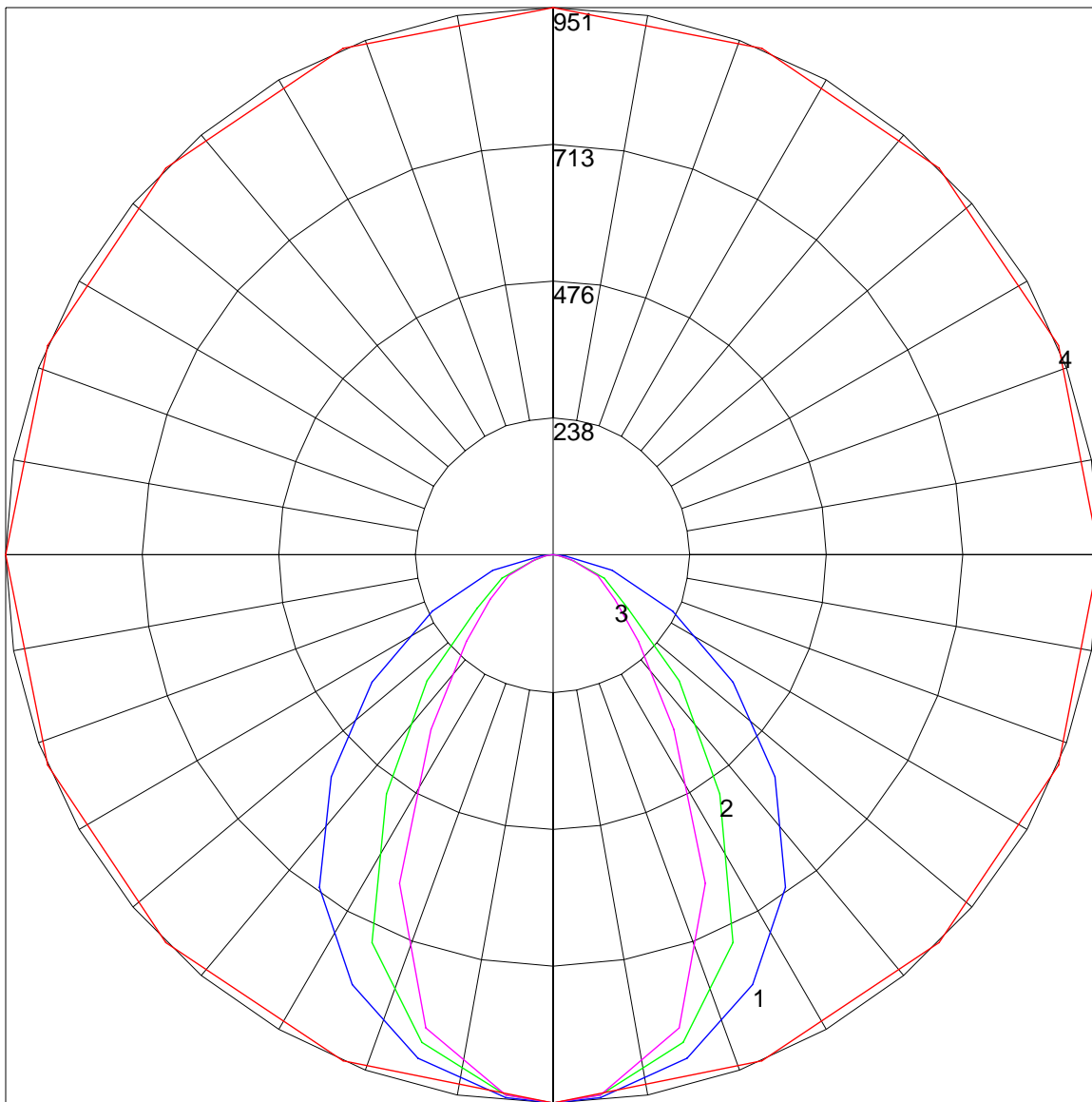
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	69	69	69	69	67	67	67	67	64	64	64	61	61	61	59	59	59	58
1	63	60	58	56	61	59	57	55	57	55	53	54	53	51	52	51	50	49
2	58	53	49	46	56	52	48	45	50	47	44	48	45	43	46	44	42	41
3	53	47	42	39	51	46	42	38	44	41	38	43	39	37	41	39	36	35
4	48	42	37	33	47	41	36	33	39	35	32	38	35	32	37	34	31	30
5	44	37	32	28	43	37	32	28	35	31	28	34	31	28	33	30	27	26
6	41	34	28	25	40	33	28	25	32	28	25	31	27	24	30	27	24	23
7	38	30	25	22	37	30	25	22	29	25	22	28	24	22	27	24	21	20
8	35	28	23	20	35	27	23	19	27	22	19	26	22	19	25	22	19	18
9	33	25	21	17	32	25	21	17	24	20	17	24	20	17	23	20	17	16
10	31	23	19	16	30	23	19	16	22	18	16	22	18	16	21	18	16	15

POLAR GRAPH



Maximum Candela = 951 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Vertical Plane Through Horizontal Angles (45 - 225)

3 - Vertical Plane Through Horizontal Angles (90 - 270)

4 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

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.