



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 379 4XT8 HB.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]BALLABS TEST NO. 14135.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUEDATE] 02-JUN-2008
 [MANUFAC] LDPI Inc - Eau Claire WI
 [LUMINAIRE] 4/32W T8 LAMP 51.5x14.5x6"ENCLOSED & GASKETED LUMINAIRE
 [MORE] SPECULAR REFLECTOR w/CLEAR ACRYLIC LENS
 [MORE] ADVANCE BALLAST #ICN-4P32-SC WATTS=100 REFL=86%
 [LUMCAT] CT4-4LT8-R
 [LAMPCAT] P32WT8/835/RS

CHARACTERISTICS

Total Rated Lamp Lumens	11800 (4 lamps)
Total Luminaire Efficiency	82.1 %
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	100
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.24
Spacing Criteria (90-270)	1.06
Spacing Criteria (Diagonal)	1.20
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.23 ft
Luminous Width (90-270)	1.13 ft
Luminous Height	0.25 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6640	4493	4757
55	6040	4137	4556
65	4818	3876	4962
75	2948	3934	4492
85	1207	2820	3773

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2745.78	23.3	28.3
0-40	4219.38	35.8	43.6
0-60	6935.77	58.8	71.6
0-90	9138.44	77.4	94.3
90-120	452.99	3.8	4.7
90-130	506.86	4.3	5.2
90-150	546.04	4.6	5.6
90-180	548.11	4.6	5.7
0-180	9686.55	82.1	100

Total Luminaire Efficiency = 82.1%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	348.51
10-20	1009.24
20-30	1388.02
30-40	1473.6
40-50	1445.11
50-60	1271.29
60-70	1064.65
70-80	745.71
80-90	392.3
90-100	246.19
100-110	134.84
110-120	71.95
120-130	53.87
130-140	28.62
140-150	10.56
150-160	1.81
160-170	.26
170-180	.01

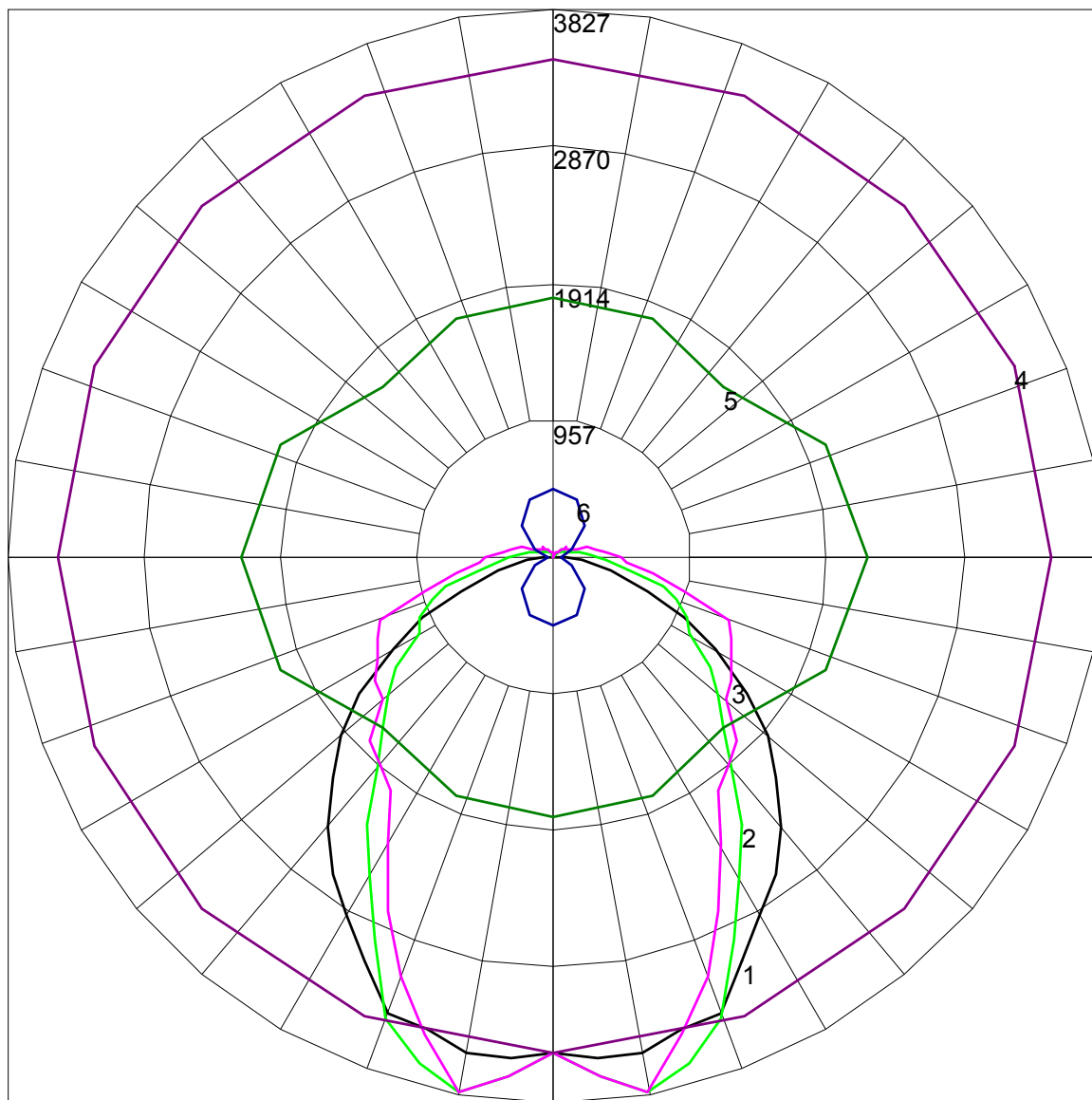
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	97	97	97	97	94	94	94	94	89	89	89	84	84	84	79	79	79	77
1	88	83	80	76	85	81	78	74	77	74	71	73	70	68	69	67	65	63
2	80	73	67	62	77	71	65	61	67	63	59	64	60	57	60	57	55	53
3	73	64	57	52	70	62	56	51	59	54	49	56	52	48	54	50	47	45
4	67	57	50	44	64	55	49	43	53	47	42	50	45	41	48	44	40	38
5	61	51	44	38	59	50	43	38	47	41	37	45	40	36	43	39	35	33
6	57	46	39	34	55	45	38	33	43	37	33	41	36	32	40	35	31	29
7	53	42	35	30	51	41	34	30	39	33	29	38	32	28	36	32	28	26
8	49	38	31	27	48	38	31	27	36	30	26	35	30	26	33	29	25	24
9	46	35	29	24	45	35	28	24	33	28	24	32	27	23	31	26	23	21
10	43	33	26	22	42	32	26	22	31	25	22	30	25	21	29	24	21	20

POLAR GRAPH



Maximum Candela = 3827 Located At Horizontal Angle = 67.5, Vertical Angle = 10

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (45 - 225)
- # 3 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 4 - Horizontal Cone Through Vertical Angle (0)
- # 5 - Horizontal Cone Through Vertical Angle (45)
- # 6 - Horizontal Cone Through Vertical Angle (90)