



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 379 6XT5HO HB.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]BALLABS TEST NO. 14141.0
[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
[ISSUEDATE] 04-JUN-2008
[MANUFAC] LDPI Inc - Eau Claire WI
[LUMINAIRE] 6/54W T5HO C LAMP 51.5x14.5x6"ENCLOSED & GASKETED LUMINAIRE
[MORE] SPECULAR REFLECTOR w/CLEAR ACRYLIC DROP LENS
[MORE] UNIVERSAL BALLAST #B454IUNV-E & B254IUNV-E WATTS=326
[LUMCAT] CT4-6LT5-R
[LAMPCAT] FP54T5HO/835/C

CHARACTERISTICS

Total Rated Lamp Lumens	29400 (6 lamps)
Total Luminaire Efficiency	91.4 %
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	326
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.24
Spacing Criteria (90-270)	1.38
Spacing Criteria (Diagonal)	1.42
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	15037	15045	15951
55	13388	14218	15205
65	10585	12518	14036
75	6568	11458	13558
85	2848	9126	12183

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	6622.52	22.5	24.6
0-40	10798.84	36.7	40.2
0-60	19170.09	65.2	71.3
0-90	25742.4	87.6	95.8
90-120	870.32	3	3.2
90-130	981.45	3.3	3.7
90-150	1108.72	3.8	4.1
90-180	1126.36	3.8	4.2
0-180	26868.76	91.4	100

Total Luminaire Efficiency = 91.4%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	776.66
10-20	2321.58
20-30	3524.28
30-40	4176.32
40-50	4349.15
50-60	4022.1
60-70	3185.57
70-80	2199.56
80-90	1187.18
90-100	507.03
100-110	219.6
110-120	143.69
120-130	111.13
130-140	80.04
140-150	47.22
150-160	16.62
160-170	1.02
170-180	0

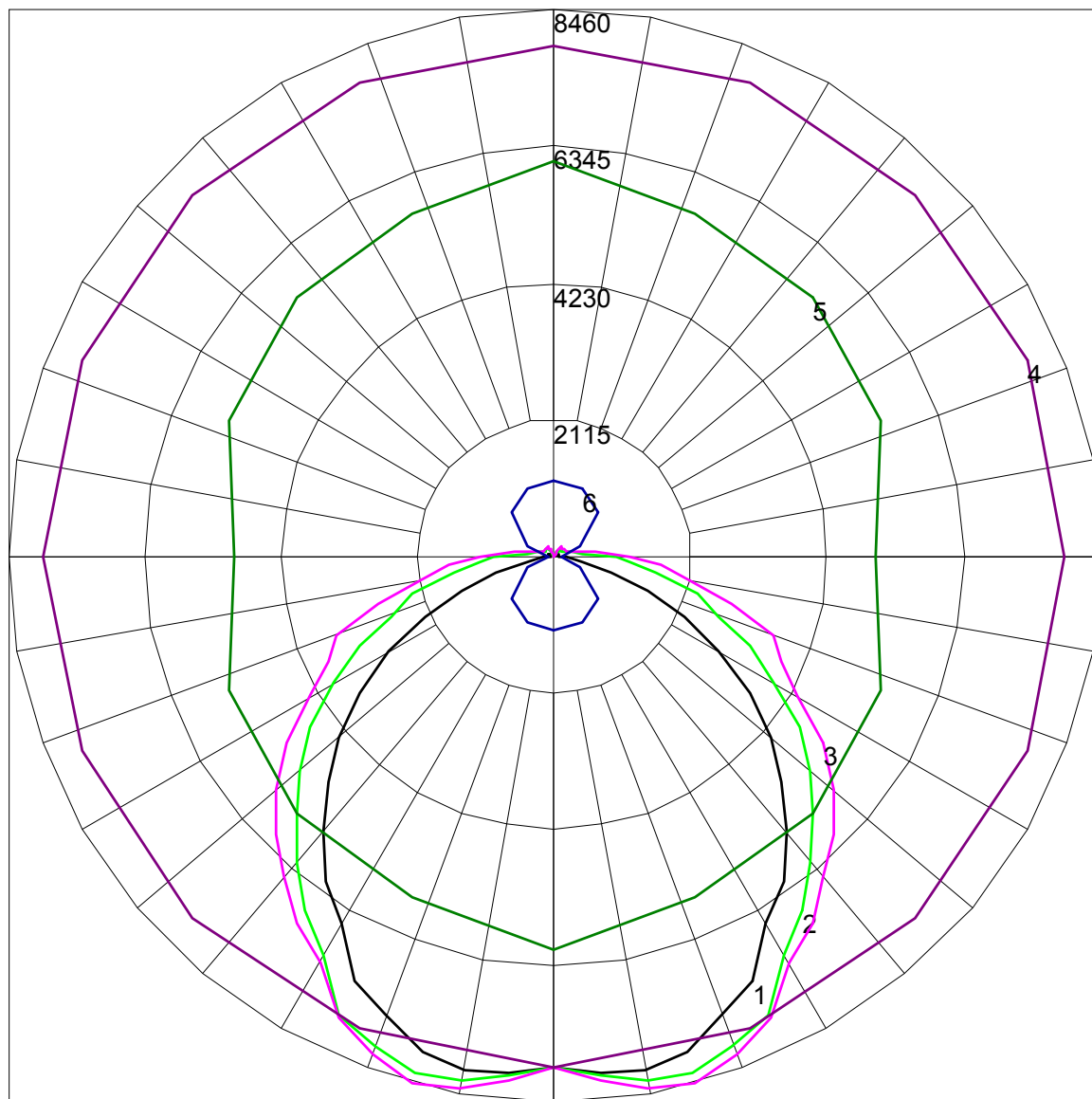
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	108	108	108	105	105	105	105	99	99	99	94	94	94	90	90	90	88
1	97	92	88	84	94	90	86	82	85	82	79	81	78	76	77	75	73	71
2	88	80	73	68	85	78	72	67	74	69	64	70	66	62	67	64	60	58
3	80	70	62	56	77	68	61	55	65	59	54	62	57	52	59	55	51	49
4	73	62	54	47	71	60	53	47	58	51	46	55	49	45	53	48	43	41
5	67	55	47	40	65	54	46	40	51	45	39	49	43	38	47	42	38	36
6	62	50	41	35	60	49	41	35	46	39	34	45	38	34	43	37	33	31
7	58	45	37	31	56	44	36	31	42	35	30	41	34	30	39	33	29	27
8	54	41	33	28	52	40	33	27	39	32	27	37	31	27	36	30	26	24
9	50	38	30	25	48	37	30	25	36	29	24	34	28	24	33	28	24	22
10	47	35	27	22	45	34	27	22	33	26	22	32	26	22	31	25	21	20

POLAR GRAPH



Maximum Candela = 8460 Located At Horizontal Angle = 90, Vertical Angle = 15

- # 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)