



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 379 6XT8 HB.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]BALLABS TEST NO. 14137.0
[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
[ISSUEDATE] 02-JUN-2008
[MANUFAC] LDPI Inc - Eau Claire WI
[LUMINAIRE] 6/32W T8 LAMP 521.5x14.5x6"ENCLOSED & GASKETED LUMINAIRE
[LUMINAIRE] SPECULAR REFLECTOR w/CLEAR ACRYLIC DROP LENS REFL=86%
[LUMINAIRE] ADVANCE BALLAST #ICN-4P32-SC & ICN-2P32-SC WATTS=141
[LUMCAT] CT4-6LT8-R
[LAMPCAT] F32WT8/835/RS

CHARACTERISTICS

Total Rated Lamp Lumens	17700 (6 lamps)
Total Luminaire Efficiency	77.3 %
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	141
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.28
Spacing Criteria (90-270)	1.30
Spacing Criteria (Diagonal)	1.38
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	8231	7633	7990
55	7370	7227	7975
65	5720	6493	7056
75	3542	5082	5905
85	1223	3604	4557

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3460.46	19.6	25.3
0-40	5619.63	31.7	41.1
0-60	9926.53	56.1	72.5
0-90	13045.93	73.7	95.3
90-120	532.54	3	3.9
90-130	588.43	3.3	4.3
90-150	634.87	3.6	4.6
90-180	642.48	3.6	4.7
0-180	13688.4	77.3	100

Total Luminaire Efficiency = 77.3%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	416.03
10-20	1223.15
20-30	1821.28
30-40	2159.17
40-50	2221.95
50-60	2084.94
60-70	1629.94
70-80	1009.3
80-90	480.16
90-100	273.68
100-110	166.42
110-120	92.44
120-130	55.89
130-140	30.01
140-150	16.43
150-160	6.73
160-170	.88
170-180	0

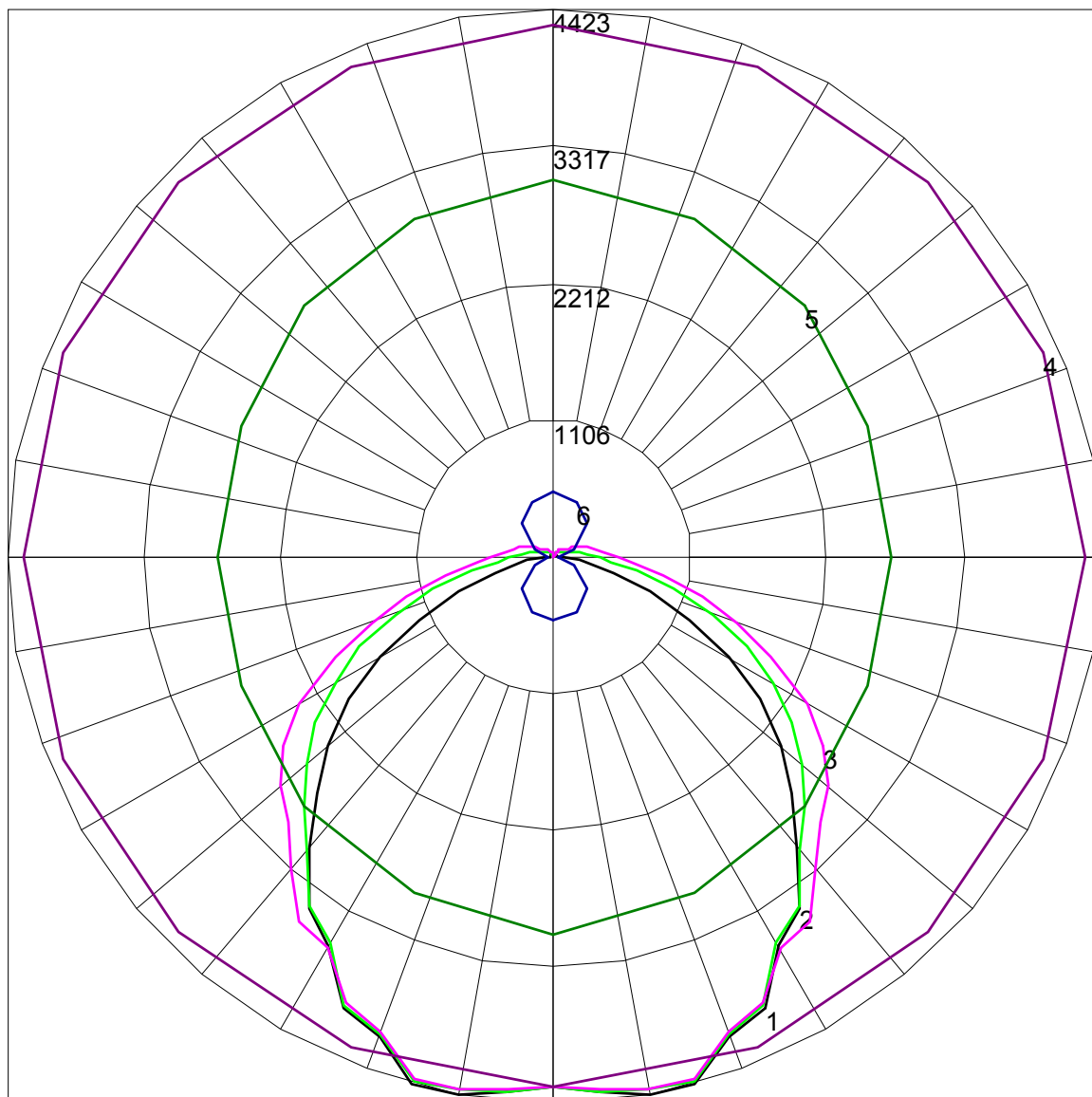
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	91	91	91	91	89	89	89	89	84	84	84	80	80	80	76	76	76	74
1	83	79	75	72	80	77	73	70	73	70	68	69	67	65	66	64	62	60
2	75	68	63	58	73	67	61	57	63	59	55	60	57	54	57	54	52	50
3	68	60	53	48	66	58	52	47	55	50	46	53	49	45	50	47	44	42
4	62	53	46	41	60	52	45	40	49	44	39	47	42	38	45	41	37	36
5	57	47	40	35	55	46	39	35	44	38	34	42	37	33	40	36	32	31
6	53	42	35	30	51	42	35	30	40	34	30	38	33	29	37	32	28	27
7	49	38	32	27	47	38	31	27	36	30	26	35	30	26	33	29	25	24
8	46	35	28	24	44	34	28	24	33	27	23	32	27	23	31	26	23	21
9	43	32	26	21	41	32	25	21	30	25	21	29	24	21	28	24	20	19
10	40	30	24	19	39	29	23	19	28	23	19	27	22	19	26	22	19	17

POLAR GRAPH



Maximum Candela = 4423 Located At Horizontal Angle = 0, 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)