



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : 379 6XT8 STANDARD.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]BALLABS TEST NO. 14138.0  
[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC  
[ISSUEDATE] 03-JUN-2008  
[MANUFAC] LDPI Inc - Eau Claire WI  
[LUMINAIRE] 6/32W T8 LAMP 51.5x14.5x6"ENCLOSED & GASKETED LUMINAIRE  
[MORE] WHITE REFLECTOR w/CLEAR ACRYLIC DROP LENS REFL=86%  
[MORE] ADVANCE BALLAST #ICN-4P32-SC & ICN-2P32-SC WATTS=143  
[LUMCAT] CT4-6LT8  
[LAMPCAT] F32WT9/835/RS

**CHARACTERISTICS**

Total Rated Lamp Lumens	17700 (6 lamps)
Total Luminaire Efficiency	77.3 %
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	143
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.30
Spacing Criteria (90-270)	1.48
Spacing Criteria (Diagonal)	1.48
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	7533	7633	7969
55	6759	7473	8430
65	5454	6883	7661
75	3599	5639	6555
85	1346	4230	5553

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	3170.32	17.9	23.2
0-40	5265.79	29.8	38.5
0-60	9610.99	54.3	70.2
0-90	13013.15	73.5	95.1
90-120	577.8	3.3	4.2
90-130	630.79	3.6	4.6
90-150	667.93	3.8	4.9
90-180	673.91	3.8	4.9
0-180	13687.05	77.3	100

Total Luminaire Efficiency = 77.3%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	366.52
10-20	1101.19
20-30	1702.61
30-40	2095.47
40-50	2202.08
50-60	2143.13
60-70	1727.99
70-80	1106.41
80-90	567.76
90-100	298.8
100-110	178.35
110-120	100.64
120-130	53
130-140	25.69
140-150	11.44
150-160	5.66
160-170	.24
170-180	.07

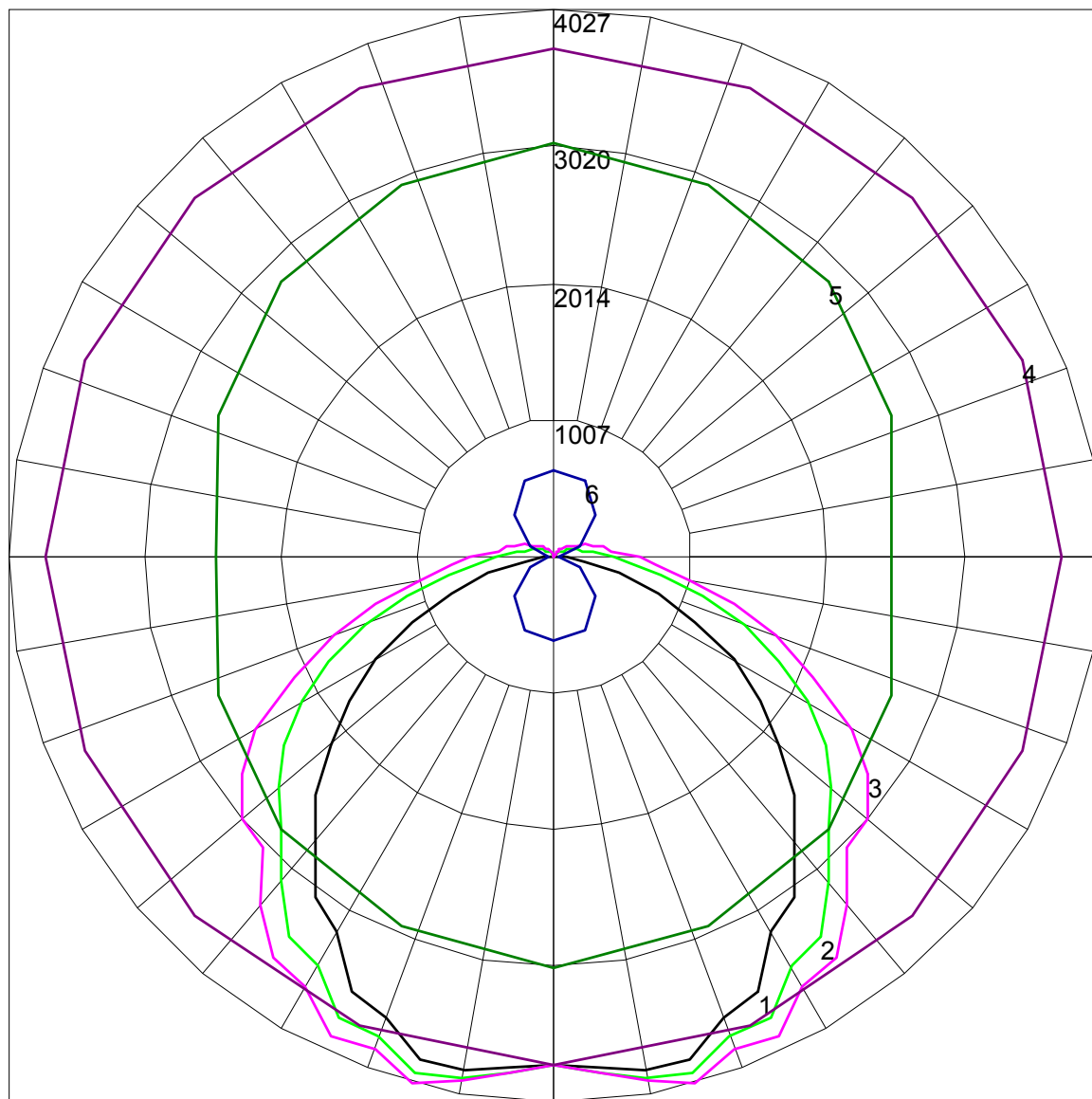
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	79	79	79	75	75	75	74
1	82	78	74	71	80	76	73	70	72	69	67	68	66	64	65	63	61	59
2	74	67	62	57	72	66	60	56	62	58	54	59	55	52	56	53	51	49
3	67	59	52	47	65	57	51	46	54	49	45	52	47	44	49	46	42	40
4	62	52	45	39	59	51	44	39	48	42	38	46	41	37	44	39	36	34
5	56	46	39	34	55	45	38	33	43	37	32	41	36	32	39	35	31	29
6	52	41	34	29	50	40	34	29	39	33	28	37	32	28	35	31	27	25
7	48	37	30	26	47	37	30	25	35	29	25	34	28	24	32	28	24	22
8	45	34	27	23	43	33	27	22	32	26	22	31	26	22	30	25	21	20
9	42	31	25	20	40	31	24	20	29	24	20	28	23	20	27	23	19	18
10	39	29	22	18	38	28	22	18	27	22	18	26	21	18	25	21	17	16

POLAR GRAPH



Maximum Candela = 4027 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)