



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 379 4XT8 WHITE.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]BALLABS TEST NO. 14136.0  
[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] WHITE REFLECTOR w/CLEAR ACRYLIC LENS  
[MORE] ADVANCE BALLAST #ICN-4P32-SC WATTS=100 REFL=86%  
[LUMCAT] CT4-4LT8  
[LAMPCAT] F32WT8/835/RS

**CHARACTERISTICS**

Total Rated Lamp Lumens	11800 (4 lamps)
Total Luminaire Efficiency	81.1 %
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	100
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.26
Spacing Criteria (90-270)	1.48
Spacing Criteria (Diagonal)	1.52
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	4856	5287	5756
55	4448	5239	5869
65	3650	4844	5839
75	2311	4496	5356
85	1021	3810	5062

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	2040.72	17.3	21.3
0-40	3404.39	28.9	35.6
0-60	6376.91	54	66.6
0-90	8972.33	76	93.7
90-120	504.34	4.3	5.3
90-130	553.95	4.7	5.8
90-150	595.43	5	6.2
90-180	599.42	5.1	6.3
0-180	9571.75	81.1	100

Total Luminaire Efficiency = 81.1%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	238.26
10-20	708.98
20-30	1093.48
30-40	1363.67
40-50	1503.72
50-60	1468.8
60-70	1238.9
70-80	863.88
80-90	492.64
90-100	277
100-110	147.02
110-120	80.32
120-130	49.61
130-140	27.54
140-150	13.94
150-160	4
160-170	0
170-180	0

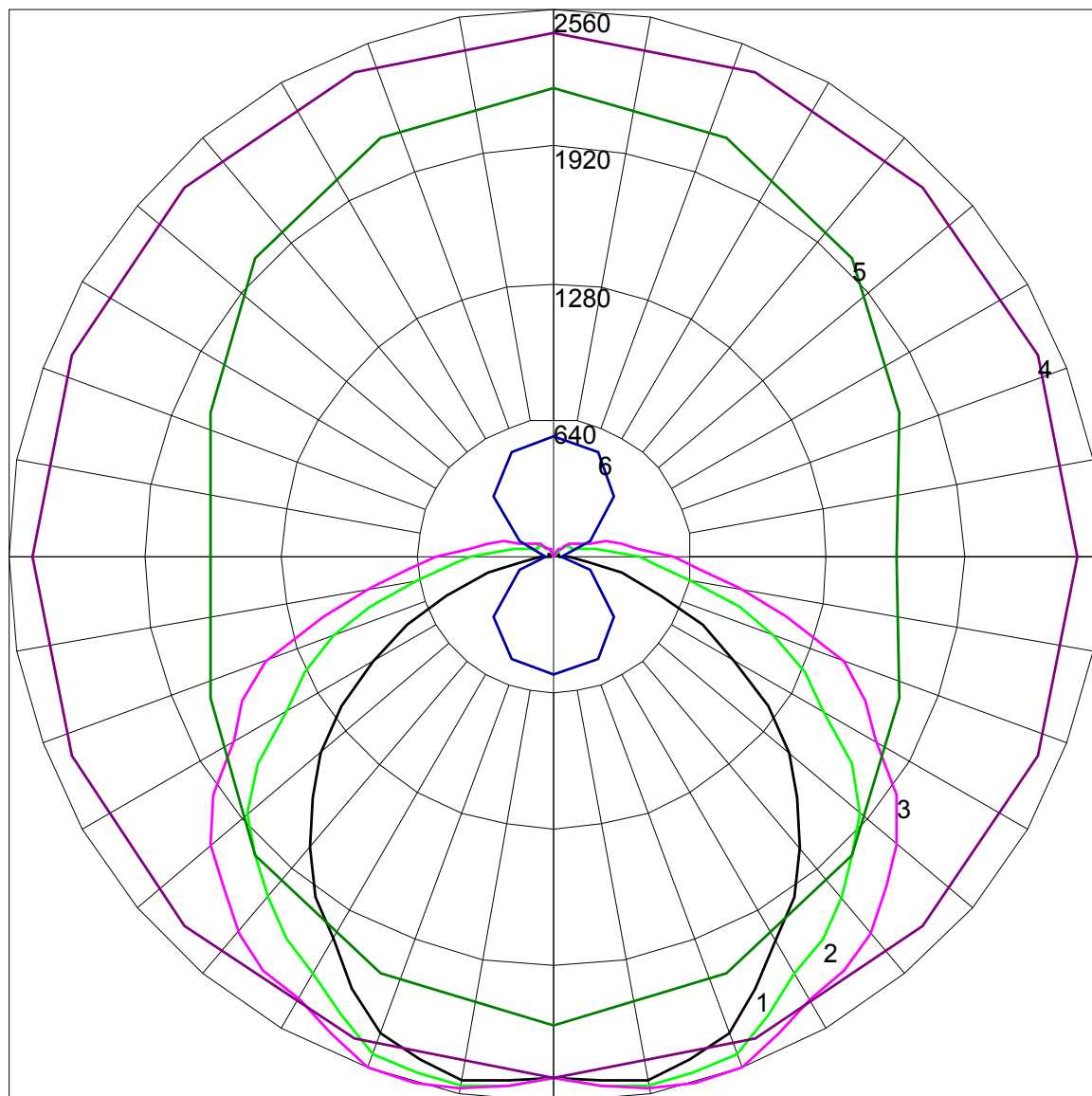
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	95	95	95	95	93	93	93	93	87	87	87	83	83	83	78	78	78	76
1	85	81	77	73	83	79	75	72	74	71	68	70	68	65	66	64	62	60
2	77	70	63	58	74	68	62	57	64	59	55	60	56	53	57	54	51	49
3	70	60	53	48	67	59	52	47	56	50	45	53	48	44	50	46	42	40
4	64	53	46	40	61	52	45	39	49	43	38	46	41	37	44	40	36	34
5	58	47	40	34	56	46	39	33	44	37	33	41	36	32	39	35	31	29
6	54	42	35	29	52	41	34	29	39	33	28	37	32	28	36	31	27	25
7	50	38	31	26	48	37	30	25	36	29	25	34	28	24	32	27	24	22
8	46	35	28	23	45	34	27	22	32	26	22	31	26	22	30	25	21	19
9	43	32	25	20	42	31	25	20	30	24	20	29	23	19	27	22	19	17
10	40	29	23	18	39	29	22	18	27	22	18	26	21	17	25	21	17	16

POLAR GRAPH



Maximum Candela = 2560 Located At Horizontal Angle = 90, Vertical Angle = 20

- # 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)