



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 379 6XT5HO WHITE.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]BALLABS TEST NO. 14142.0  
[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] WHITE REFLECTOR w/CLEAR ACRYLIC DROP LENS REFL=86%  
[MORE] UNIVERSAL BALLAST #B454IUNV-E & B254IUNV-E WATTS=329  
[LUMCAT] CT4-6LT5  
[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	329
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.28
Spacing Criteria (90-270)	1.46
Spacing Criteria (Diagonal)	1.50
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	13730	14315	16281
55	12537	15071	17437
65	10262	14599	16604
75	6833	13092	15620
85	3142	11122	14850

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	5811.58	19.8	21.6
0-40	9645.64	32.8	35.9
0-60	18118.83	61.6	67.5
0-90	25668.02	87.3	95.6
90-120	932	3.2	3.5
90-130	1045.85	3.6	3.9
90-150	1174.85	4	4.4
90-180	1194.04	4.1	4.4
0-180	26862.06	91.4	100

Total Luminaire Efficiency = 91.4%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	678.57
10-20	2017.04
20-30	3115.97
30-40	3834.06
40-50	4223.62
50-60	4249.57
60-70	3594.83
70-80	2526.67
80-90	1427.7
90-100	579.46
100-110	218.08
110-120	134.46
120-130	113.85
130-140	82.94
140-150	46.06
150-160	18.5
160-170	.69
170-180	0

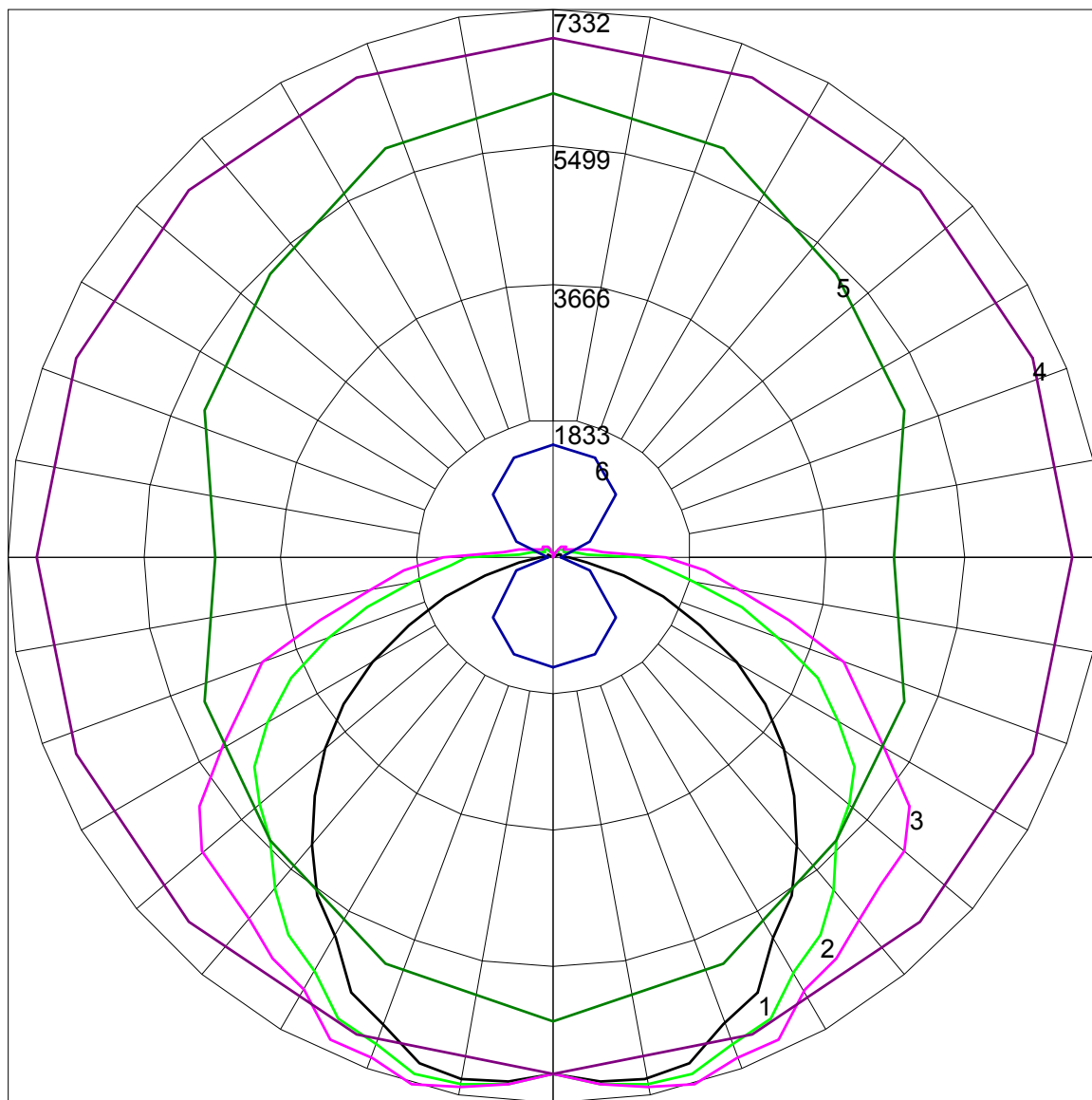
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	87
1	97	91	87	83	94	89	85	81	84	81	77	80	77	74	76	74	71	69
2	87	78	71	66	84	76	70	64	72	67	62	69	64	60	65	62	58	56
3	79	68	60	53	76	66	59	53	63	56	51	60	54	50	57	52	48	46
4	72	60	51	45	69	58	50	44	55	48	43	53	47	42	50	45	41	39
5	66	53	44	38	63	52	44	38	49	42	37	47	41	36	45	40	35	33
6	60	48	39	33	58	46	38	32	44	37	32	42	36	31	41	35	31	29
7	56	43	35	29	54	42	34	28	40	33	28	39	32	27	37	31	27	25
8	52	39	31	25	50	38	31	25	37	30	25	35	29	24	34	28	24	22
9	48	36	28	23	47	35	28	23	34	27	22	32	26	22	31	26	22	20
10	45	33	25	21	44	32	25	20	31	25	20	30	24	20	29	23	19	18

POLAR GRAPH



Maximum Candela = 7332 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)