



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 379 4XT5HO WHITE.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]BALLABS TEST NO. 14140.0  
[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC  
[ISSUEDATE] 03-JUN-2008  
[MANUFAC] LDPI Inc - Eau Claire WI  
[LUMINAIRE] 4/54W T5HO C LAMP 51.5x14.5x6"ENCLOSED & GASKETED LUMINAIRE  
[MORE] WHITE REFLECTOR w/CLEAR ACRYLIC DROP LENS  
[MORE] UNIVERSAL BALLAST #B454IUNV-E WATTS=226 REFL=86%  
[LUMCAT] CT4-4LT5  
[LAMPCAT] FP54T5HO/835/C

**CHARACTERISTICS**

Total Rated Lamp Lumens 19600 (4 lamps)  
Total Luminaire Efficiency 92.8 %  
Luminaire Efficacy Rating (LER) 80  
Total Luminaire Watts 226  
Ballast Factor 1.00  
CIE Type Direct  
Spacing Criteria (0-180) 1.30  
Spacing Criteria (90-270) 1.50  
Spacing Criteria (Diagonal) 1.54  
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	8904	9772	10140
55	8013	9443	11523
65	6498	9946	12174
75	4250	9443	11768
85	1966	9593	13224

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	3776.2	19.3	20.8
0-40	6306.48	32.2	34.7
0-60	11823.55	60.3	65
0-90	17348.67	88.5	95.4
90-120	699.97	3.6	3.8
90-130	767.8	3.9	4.2
90-150	829.95	4.2	4.6
90-180	838	4.3	4.6
0-180	18186.67	92.8	100

Total Luminaire Efficiency = 92.8%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	433.81
10-20	1302.34
20-30	2040.04
30-40	2530.28
40-50	2751.04
50-60	2766.03
60-70	2484.04
70-80	1834.97
80-90	1206.12
90-100	487.97
100-110	132.37
110-120	79.64
120-130	67.83
130-140	42.86
140-150	19.28
150-160	7.67
160-170	.37
170-180	0

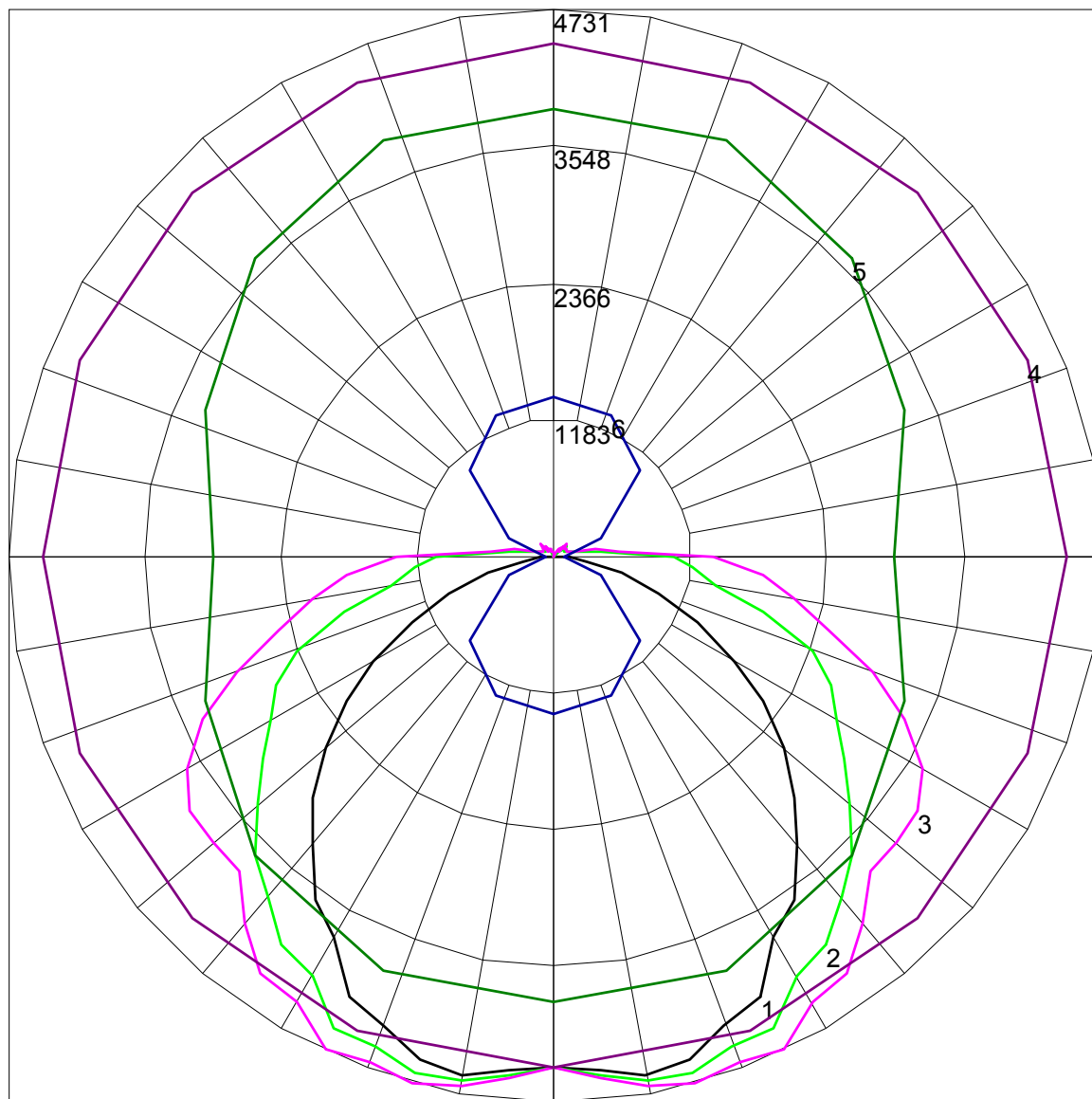
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	109	109	109	109	106	106	106	106	101	101	101	96	96	96	91	91	91	89
1	97	92	87	83	94	89	85	81	84	81	77	80	77	74	76	73	71	69
2	88	79	71	65	85	76	70	64	72	67	62	69	64	60	65	61	58	55
3	79	68	60	53	76	66	58	52	63	56	51	60	54	49	57	52	48	45
4	72	60	51	44	69	58	50	43	55	48	42	53	46	41	50	45	40	38
5	66	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	35	32
6	61	48	39	32	59	46	38	32	44	37	31	42	36	31	40	35	30	28
7	56	43	34	28	54	42	34	28	40	33	27	38	32	27	37	31	26	24
8	52	39	31	25	50	38	30	25	37	29	24	35	29	24	34	28	24	22
9	49	36	28	22	47	35	27	22	34	27	22	32	26	21	31	25	21	19
10	46	33	25	20	44	32	25	20	31	24	20	30	24	19	29	23	19	17

POLAR GRAPH



Maximum Candela = 4731 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)