



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

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]BALLABS TEST NO. 14139.0  
[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC  
[ISSUE DATE] 03-JUN-2008  
[MANUFAC] LDPI Inc - Eau Claire WI  
[LUMINAIRE] 4/54W T5HO C LAMP 51.5x14.5x6"ENCLOSED & GASKETED LUMINAIRE  
[MORE] SPECULAR REFLECTOR w/CLEAR ACRYLIC DROP LENS  
[MORE] UNIVERSAL BALLAST #B454IUNV-E WATTS=226 REFL=86%  
[LUMCAT] CT4-4LT5-R  
[LAMPCAT] FP54T5HO/835/C

**CHARACTERISTICS**

Total Rated Lamp Lumens	19600 (4 lamps)
Total Luminaire Efficiency	93.1 %
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	226
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.26
Spacing Criteria (90-270)	1.20
Spacing Criteria (Diagonal)	1.30
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	11922	9465	9047
55	10390	7976	8753
65	7993	7198	8447
75	4722	6556	8297
85	1764	6670	9539

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	5102.32	26	27.9
0-40	8061.09	41.1	44.2
0-60	13375.79	68.2	73.3
0-90	17500.49	89.3	95.9
90-120	574.24	2.9	3.1
90-130	644.32	3.3	3.5
90-150	736.89	3.8	4
90-180	755.2	3.9	4.1
0-180	18255.69	93.1	100

Total Luminaire Efficiency = 93.1%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	614.72
10-20	1816.08
20-30	2671.52
30-40	2958.77
40-50	2845.69
50-60	2469.01
60-70	1931.7
70-80	1334.92
80-90	858.08
90-100	391.95
100-110	111.84
110-120	70.44
120-130	70.09
130-140	65.56
140-150	27.01
150-160	16.04
160-170	2.27
170-180	0

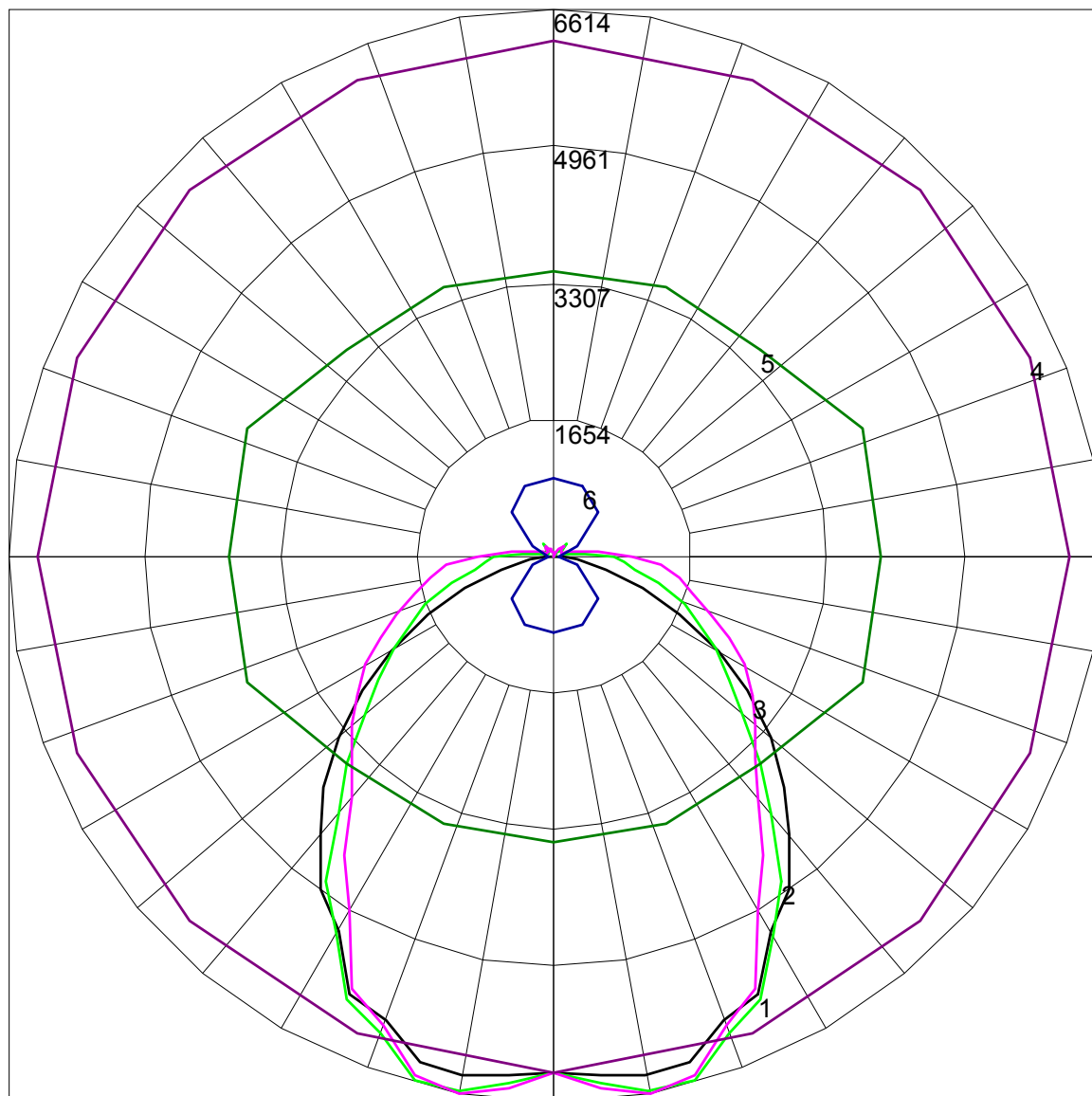
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	110	110	110	110	107	107	107	107	101	101	101	96	96	96	92	92	92	89
1	99	95	90	86	96	92	88	85	87	84	81	83	80	78	79	77	75	73
2	90	82	76	70	88	80	74	69	76	71	67	73	69	65	69	66	63	61
3	83	73	65	59	80	71	64	58	67	61	56	64	59	55	62	57	54	51
4	76	65	56	50	73	63	55	49	60	54	48	58	52	47	55	50	46	44
5	70	58	49	43	68	57	49	43	54	47	42	52	46	41	50	45	40	38
6	65	52	44	38	63	51	43	38	49	42	37	47	41	36	45	40	36	34
7	60	47	39	34	58	47	39	33	45	38	33	43	37	32	42	36	32	30
8	56	43	36	30	54	43	35	30	41	34	30	40	34	29	38	33	29	27
9	52	40	32	27	51	39	32	27	38	31	27	37	31	26	35	30	26	24
10	49	37	30	25	48	36	29	25	35	29	24	34	28	24	33	28	24	22

POLAR GRAPH



Maximum Candela = 6614 Located At Horizontal Angle = 67.5, 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)