IES INDOOR REPORT
PHOTOMETRIC FILENAME : 379 4XT5HO STANDARD.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

Calculations based on published IES Methods and recommendations.
Results derived from content of manufacturers photometric file.

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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	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	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

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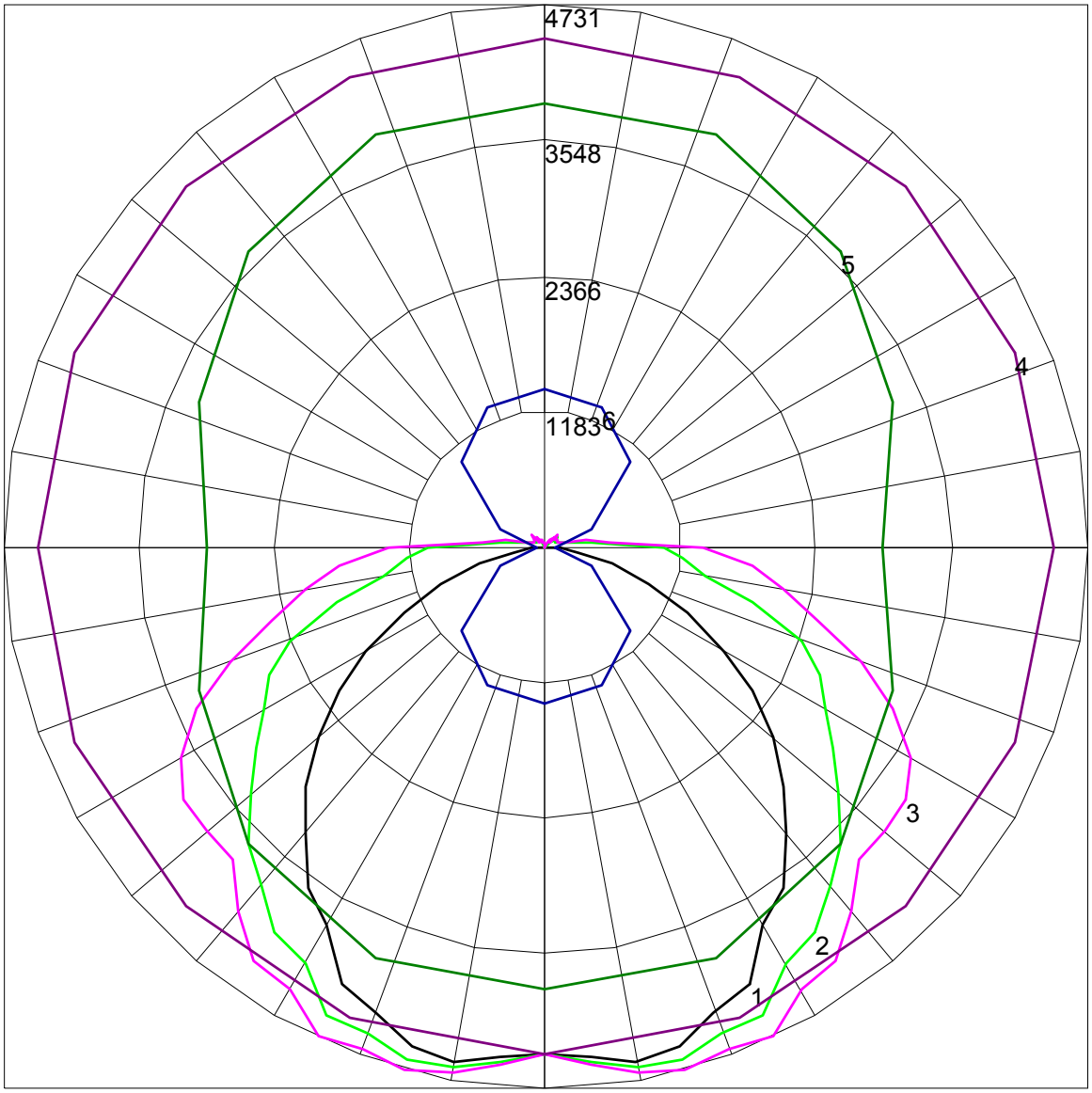
POLAR GRAPH



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)

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