



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 390440.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
[DATE]11/16/98  
[TEST]ITL48514  
[MANUFAC]LDPI COMPANY DIVISION OF LPI INC.  
[LUMCAT]390440  
[LUMINAIRE]FABRICATED METAL HOUSING WITH WHITE PAINTED INTERIOR FINISH,  
[MORE]WHITE PAINTED FABRICATED METAL BALLAST COVER, CLEAR FLAT GLASS  
[MORE]LENS IN EXTRUDED METAL DOOR FRAME.  
[LAMP]FOUR 32-WATT T-8 F32T8/TL835 LINEAR FLUORESCENTS.  
[BALLAST]MAGNETEK B432I120RH  
[\_ MOUNTING]RECESSED  
[\_ PAINTREFL]85.5 %  
[OTHER]THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.  
[OTHER]TOTAL INPUT WATTS= 105.5 AT 120.0 VOLTS  
[OTHER]LUMEN TO CANDELA RATIO USED= 9.19

**CHARACTERISTICS**

Total Rated Lamp Lumens      12200 (4 lamps)  
Total Luminaire Efficiency      64 %  
CIE Type                          Direct  
Spacing Criteria (0-180)        1.28  
Spacing Criteria (90-270)      1.38  
Spacing Criteria (Diagonal)    1.46  
Basic Luminous Shape          Rectangular  
Luminous Length (0-180)       4.01 ft  
Luminous Width (90-270)       1.04 ft  
Luminous Height                 0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6348	7072	7361
55	5958	6919	7199
65	5118	6275	6728
75	3399	4688	4088
85	772	1276	1306

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	2088.63	17.1	26.8
0-40	3477.38	28.5	44.6
0-60	6290.09	51.6	80.6
0-90	7802.12	64	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	7802.12	64	100

Total Luminaire Efficiency = 64%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	246.76
10-20	720.27
20-30	1121.6
30-40	1388.75
40-50	1470.81
50-60	1341.9
60-70	990.48
70-80	456.66
80-90	64.89
90-100	0
100-110	0
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

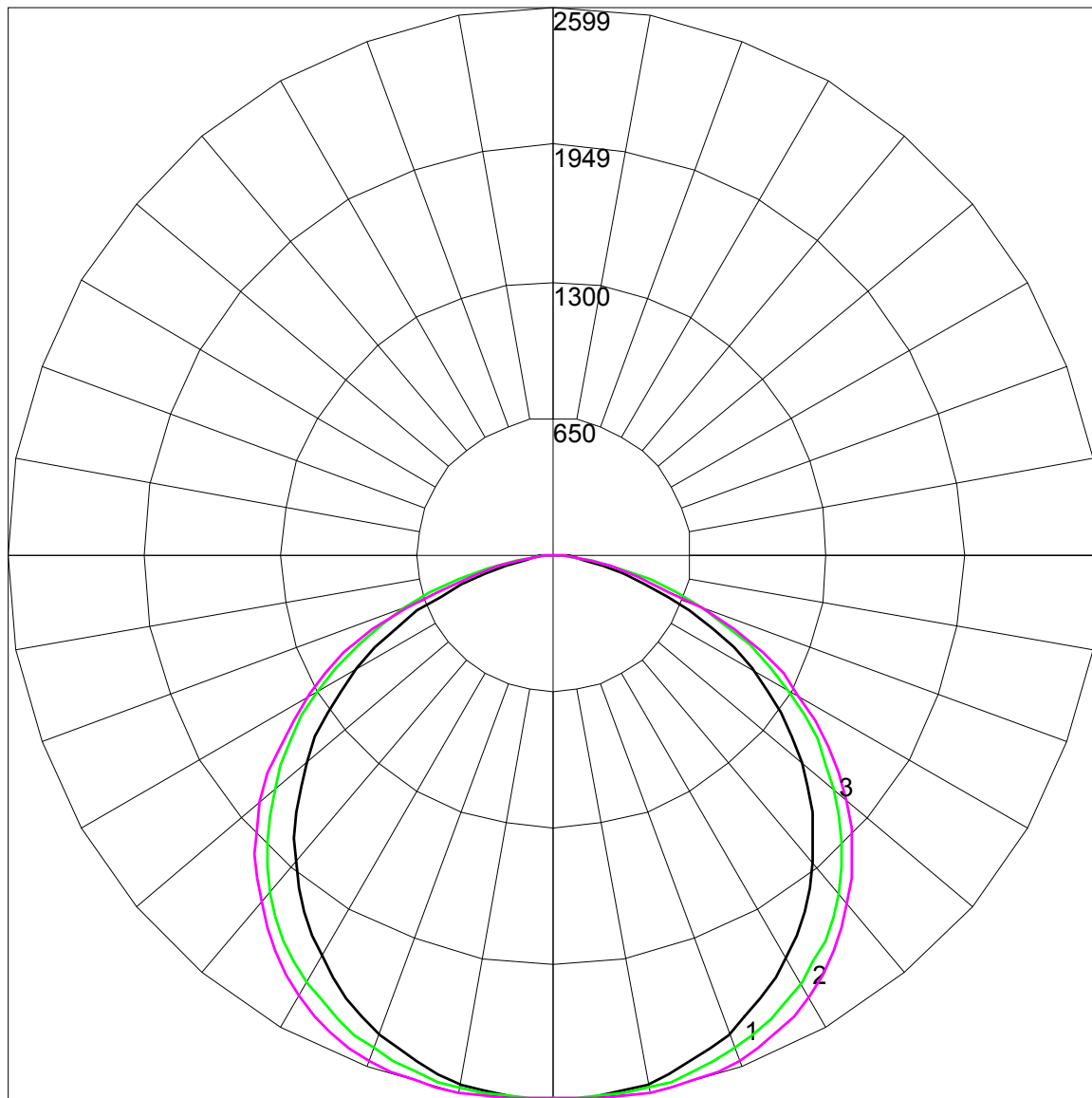
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	76	76	76	76	74	74	74	74	71	71	71	68	68	68	65	65	65	64
1	70	67	64	62	68	65	63	61	63	61	59	60	59	57	58	57	55	54
2	64	58	54	50	62	57	53	50	55	52	49	53	50	48	51	49	47	45
3	58	51	46	42	56	50	45	41	48	44	41	46	43	40	45	42	39	38
4	53	45	40	35	51	44	39	35	43	38	35	41	37	34	40	37	34	32
5	49	40	35	30	47	40	34	30	38	33	30	37	33	30	36	32	29	28
6	45	36	31	26	44	36	30	26	34	30	26	33	29	26	32	29	26	24
7	41	33	27	23	40	32	27	23	31	26	23	30	26	23	29	26	23	21
8	39	30	24	21	38	29	24	21	29	24	20	28	23	20	27	23	20	19
9	36	27	22	19	35	27	22	18	26	22	18	26	21	18	25	21	18	17
10	34	25	20	17	33	25	20	17	24	20	17	24	19	17	23	19	16	15

POLAR GRAPH



Maximum Candela = 2599 Located At Horizontal Angle = 90, Vertical Angle = 7.5

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (45 - 225)
- # 3 - Vertical Plane Through Horizontal Angles (90 - 270)