



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 390440T.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[DATE]11/25/98
[TEST]ITL48513
[MANUFAC]LDPI COMPANY DIVISION OF LPI INC.
[LUMCAT]390440T
[LUMINAIRE]FABRICATED METAL HOUSING WITH WHITE PAINTED INTERIOR FINISH,
[MORE]TWO WHITE PAINTED FORMED METAL SIDE REFLECTORS, CLEAR FLAT
[MORE]TEXTURED GLASS LENS IN WHITE PAINTED FABRICATED METAL DOOR
[MORE]FRAME.
[LAMP]FOUR 28-WATT T-5 FP28W/835 LINEAR FLUORESCENTS.
[BALLAST]TWO MAGNETEK BT5-228/120
[_ MOUNTING]SURFACE
[_ PAINTREFL]86.4 %
[OTHER]THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.
[OTHER]TOTAL INPUT WATTS= 124.8 AT 120.0 VOLTS
[OTHER]LUMEN TO CANDELA RATIO USED= 9.17

CHARACTERISTICS

Total Rated Lamp Lumens	11600 (4 lamps)
Total Luminaire Efficiency	76.1 %
CIE Type	Direct
Spacing Criteria (0-180)	1.28
Spacing Criteria (90-270)	1.42
Spacing Criteria (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.65 ft
Luminous Width (90-270)	1.49 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5366	6119	6718
55	4857	6010	6767
65	3926	5370	6185
75	2877	4139	4774
85	1363	1954	2295

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2308.73	19.9	26.1
0-40	3861.97	33.3	43.7
0-60	7058.68	60.9	79.9
0-90	8831.04	76.1	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	8831.04	76.1	100

Total Luminaire Efficiency = 76.1%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	273.47
10-20	795.57
20-30	1239.7
30-40	1553.24
40-50	1672.13
50-60	1524.57
60-70	1102.8
70-80	556.44
80-90	113.13
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

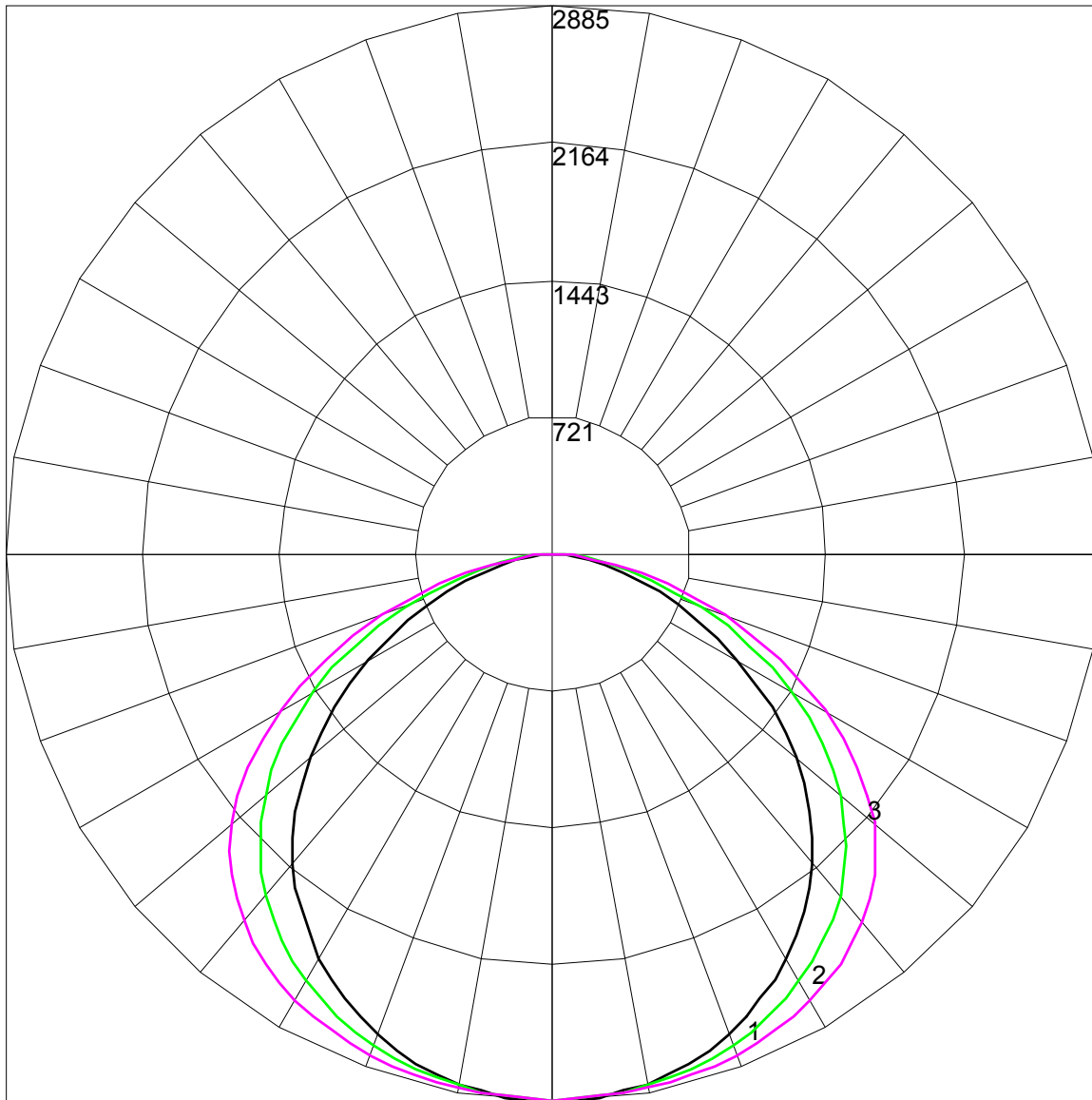
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	91	91	91	91	89	89	89	89	85	85	85	81	81	81	78	78	78	76
1	83	79	76	73	81	78	75	72	74	72	70	71	69	68	69	67	66	64
2	75	69	64	60	73	68	63	59	65	61	57	62	59	56	60	57	55	53
3	69	61	54	49	67	59	54	49	57	52	48	55	51	47	53	49	46	45
4	63	54	47	42	61	53	46	41	51	45	41	49	44	40	47	43	40	38
5	58	48	41	36	56	47	40	35	45	39	35	44	39	35	42	38	34	33
6	53	43	36	31	52	42	36	31	41	35	31	39	34	30	38	34	30	28
7	49	39	32	27	48	38	32	27	37	31	27	36	31	27	35	30	27	25
8	46	35	29	24	44	35	28	24	34	28	24	33	28	24	32	27	24	22
9	43	32	26	22	42	32	26	22	31	25	22	30	25	21	29	25	21	20
10	40	30	24	20	39	29	24	20	29	23	19	28	23	19	27	23	19	18

POLAR GRAPH



Maximum Candela = 2885 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5

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