



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 390241HO.IES

DESCRIPTION INFORMATION (From Photometric File)

REPORT NUMBER: ITL34242 DATE: 3-08-1988
PREPARED FOR: LPI LDPI
CATALOG NUMBER: P/N390241-60 WATT WHITE REFLECTOR
LUMINAIRE: FABRICATED METAL HOUSING, WHITE PAINTED REFLECTOR,
CLEAR FLAT GLASS ENCLOSURE.
LAMPS: FOUR F48T12/CW, EACH RATED 4300 LUMENS.
BALLASTS: TWO G.E. CAT. NO. 8G3885W
MOUNTING: RECESSED

CHARACTERISTICS

Total Rated Lamp Lumens 17200 (4 lamps)
Total Luminaire Efficiency 43.6 %
CIE Type Direct
Spacing Criteria (0-180) 1.28
Spacing Criteria (90-270) 1.34
Spacing Criteria (Diagonal) 1.44
Basic Luminous Shape Rectangular
Luminous Length (0-180) 4.25 ft
Luminous Width (90-270) 1.08 ft
Luminous Height 0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6063	6391	6355
55	5714	5898	5543
65	4980	4749	4324
75	3193	2841	2490
85	1136	1136	1136

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2134.85	12.4	28.4
0-40	3533.02	20.5	47.1
0-60	6256.65	36.4	83.4
0-90	7504.71	43.6	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	7504.71	43.6	100

Total Luminaire Efficiency = 43.6%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	255.48
10-20	740.19
20-30	1139.19
30-40	1398.16
40-50	1457.89
50-60	1265.74
60-70	847.11
70-80	343.15
80-90	57.79
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

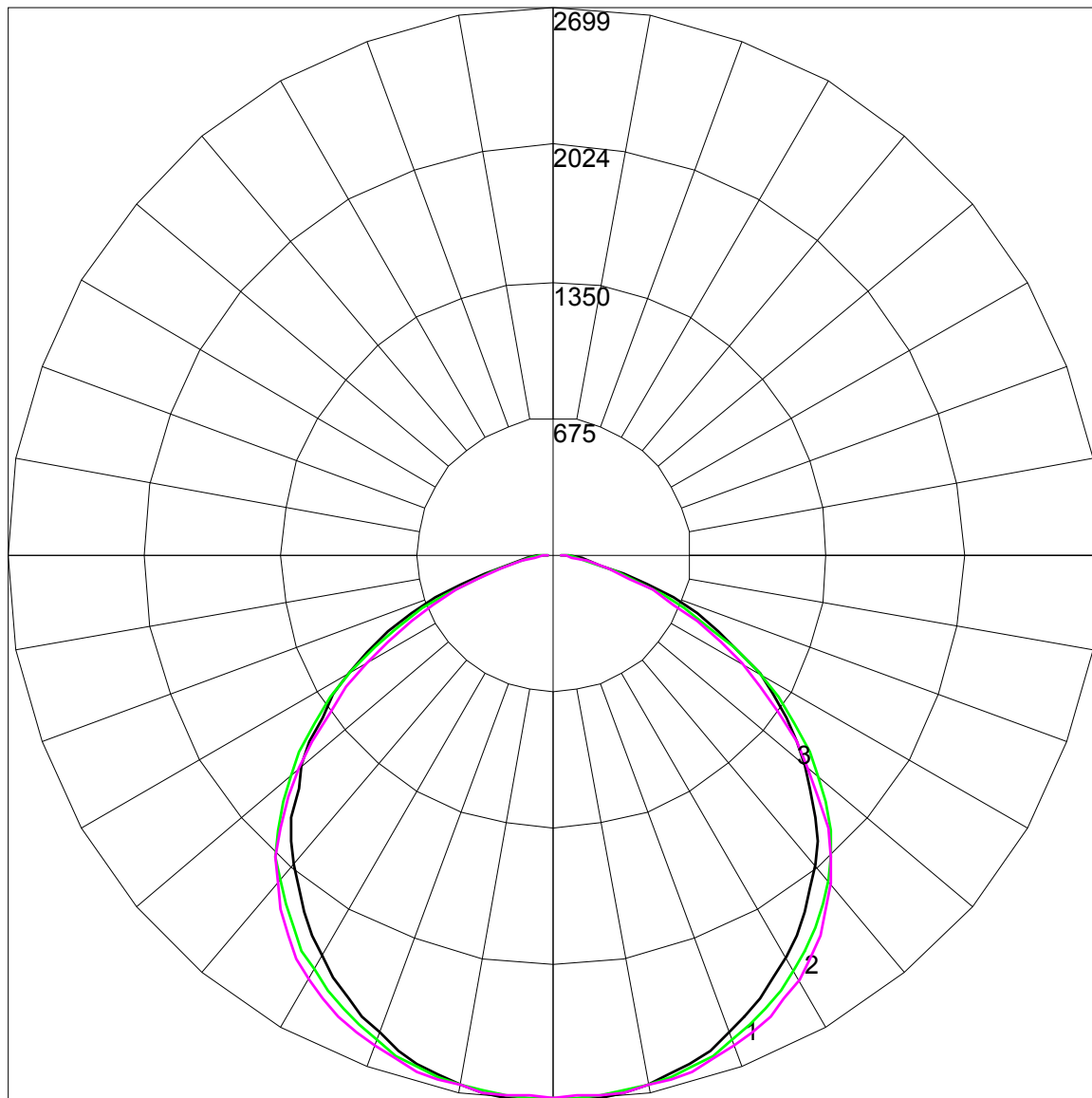
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	52	52	52	52	51	51	51	51	48	48	48	46	46	46	45	45	45	44
1	48	46	44	43	47	45	43	42	43	42	41	41	40	39	40	39	38	37
2	44	40	37	35	43	39	37	35	38	36	34	36	35	33	35	34	32	31
3	40	35	32	29	39	35	32	29	34	31	29	32	30	28	31	29	28	27
4	37	31	28	25	36	31	27	25	30	27	24	29	26	24	28	26	24	23
5	34	28	24	21	33	28	24	21	27	24	21	26	23	21	25	23	21	20
6	31	25	21	19	30	25	21	19	24	21	18	23	21	18	23	20	18	17
7	29	23	19	17	28	23	19	16	22	19	16	21	18	16	21	18	16	15
8	27	21	17	15	26	21	17	15	20	17	15	20	17	15	19	16	14	14
9	25	19	16	13	24	19	16	13	18	15	13	18	15	13	18	15	13	12
10	23	18	14	12	23	17	14	12	17	14	12	17	14	12	16	14	12	11

POLAR GRAPH



Maximum Candela = 2699 Located At Horizontal Angle = 0, 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)