



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 380-T5HO-4L-4.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] LDPI LIGHTING PHOTOMETRIC REPORT
[LUMINAIRE] PROJECT: 380-T5HO-4L-4 CAST ALUMINUM BALLAST HOUSING AND HUB ASSEMBLIES.
[LUMINAIRE] WHITE POWDER COATED ALUMINUM REFLECTORS. CYLINDRICAL GLASS LAMP ENCLOSURES.
[LUMINAIRE] LAMP TUBES ORIENTED HORIZONTALLY.
[LAMP] F54T5/841/HO 5000 LUMENS

CHARACTERISTICS

Total Rated Lamp Lumens	19600 (4 lamps)
Total Luminaire Efficiency	87.8 %
CIE Type	Direct
Spacing Criteria (0-180)	1.24
Spacing Criteria (90-270)	1.30
Spacing Criteria (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.34 ft
Luminous Width (90-270)	1.53 ft
Luminous Height	0.28 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7246	7210	7420
55	6719	6947	7620
65	6016	6835	8391
75	4677	7177	9240
85	1634	4416	5416

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3979.23	20.3	23.1
0-40	6602.44	33.7	38.4
0-60	12152.67	62	70.6
0-90	17203.55	87.8	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	17203.55	87.8	100

Total Luminaire Efficiency = 87.8%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	474.74
10-20	1377.12
20-30	2127.36
30-40	2623.22
40-50	2824.61
50-60	2725.62
60-70	2426.78
70-80	1864.49
80-90	759.6
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

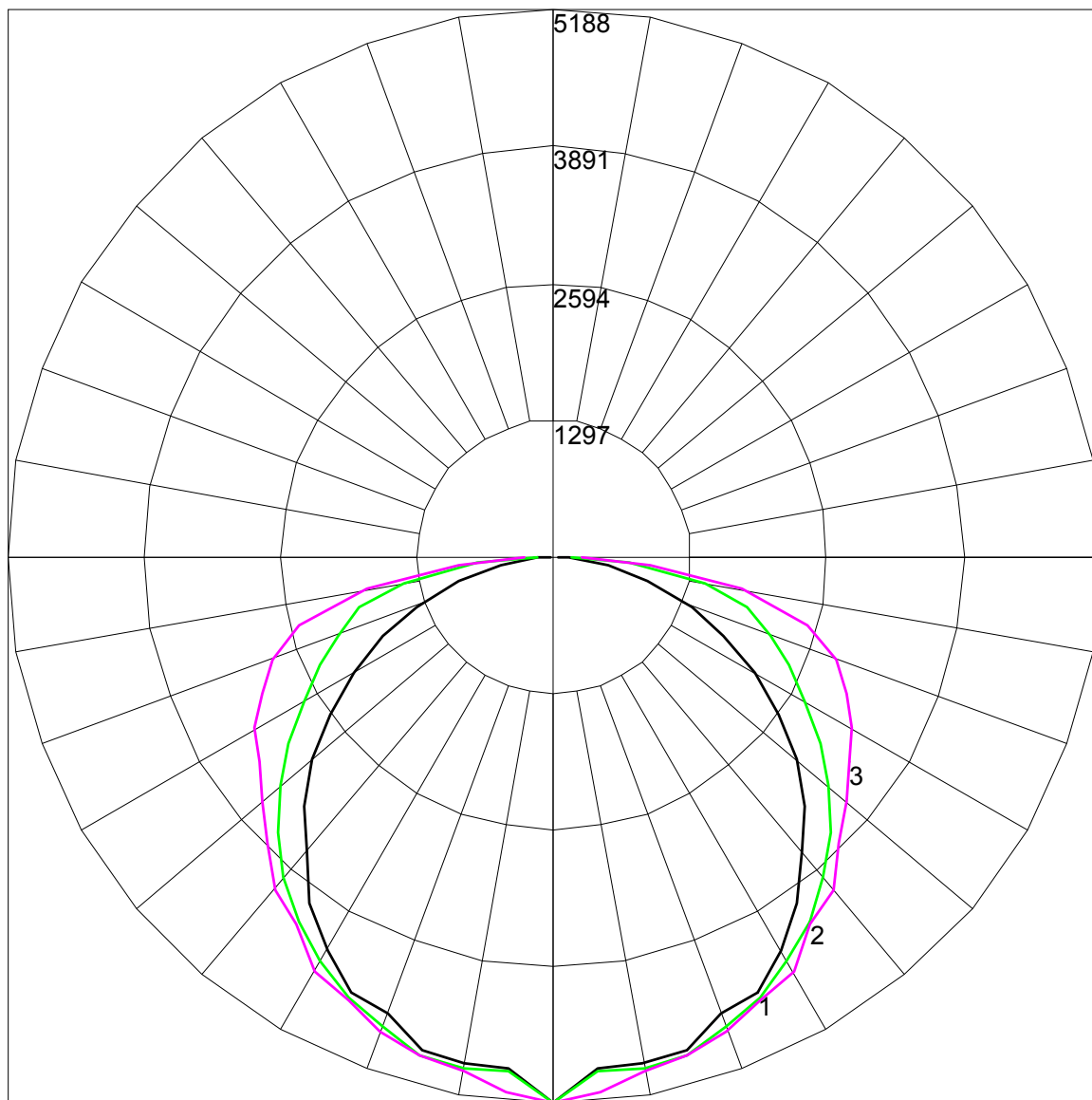
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	104	104	104	102	102	102	102	98	98	98	93	93	93	90	90	90	88
1	94	89	84	80	91	87	83	79	83	80	77	79	77	74	76	74	72	70
2	84	76	69	64	82	74	68	63	71	66	61	68	64	60	66	62	59	57
3	76	66	58	52	74	65	57	51	62	56	51	60	54	50	57	53	49	47
4	70	58	50	43	67	57	49	43	55	48	42	53	47	42	51	45	41	39
5	64	52	43	37	62	51	43	37	49	42	36	47	41	36	45	40	35	34
6	59	46	38	32	57	45	38	32	44	37	32	42	36	31	41	35	31	29
7	54	42	34	28	53	41	33	28	40	33	28	38	32	28	37	32	27	25
8	51	38	30	25	49	38	30	25	36	30	25	35	29	25	34	29	24	23
9	47	35	27	22	46	34	27	22	33	27	22	32	26	22	31	26	22	20
10	44	32	25	20	43	32	25	20	31	24	20	30	24	20	29	24	20	18

POLAR GRAPH



Maximum Candela = 5188.37 Located At Horizontal Angle = 0, Vertical Angle = 0

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