



**IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 380-T5-4L-4.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
[TEST] LDPI LIGHTING PHOTOMETRIC REPORT  
[LUMINAIRE] PROJECT: 380-T5-4L-4 CAST ALUMINUM BALLAST HOUSING AND HUB ASSEMBLIES.  
[LUMINAIRE] WHITE POWDER COATED ALUMINUM REFLECTORS. CYLINDRICAL GLASS LAMP ENCLOSURES.  
[LUMINAIRE] LAMP TUBES ORIENTED HORIZONTALLY.  
[LAMP] F28T5/841 2900 LUMENS

**CHARACTERISTICS**

Total Rated Lamp Lumens	11200 (4 lamps)
Total Luminaire Efficiency	87.7 %
CIE Type	Direct
Spacing Criteria (0-180)	1.28
Spacing Criteria (90-270)	1.36
Spacing Criteria (Diagonal)	1.46
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	4102	4035	4282
55	3967	3937	4337
65	3400	3883	4772
75	2699	4117	5198
85	944	2498	3126

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	2269.52	20.3	23.1
0-40	3772.46	33.7	38.4
0-60	6948.88	62	70.7
0-90	9825.26	87.7	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	9825.26	87.7	100

Total Luminaire Efficiency = 87.7%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	271.19
10-20	787.16
20-30	1211.16
30-40	1502.95
40-50	1610.68
50-60	1565.74
60-70	1381.19
70-80	1060.96
80-90	434.23
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

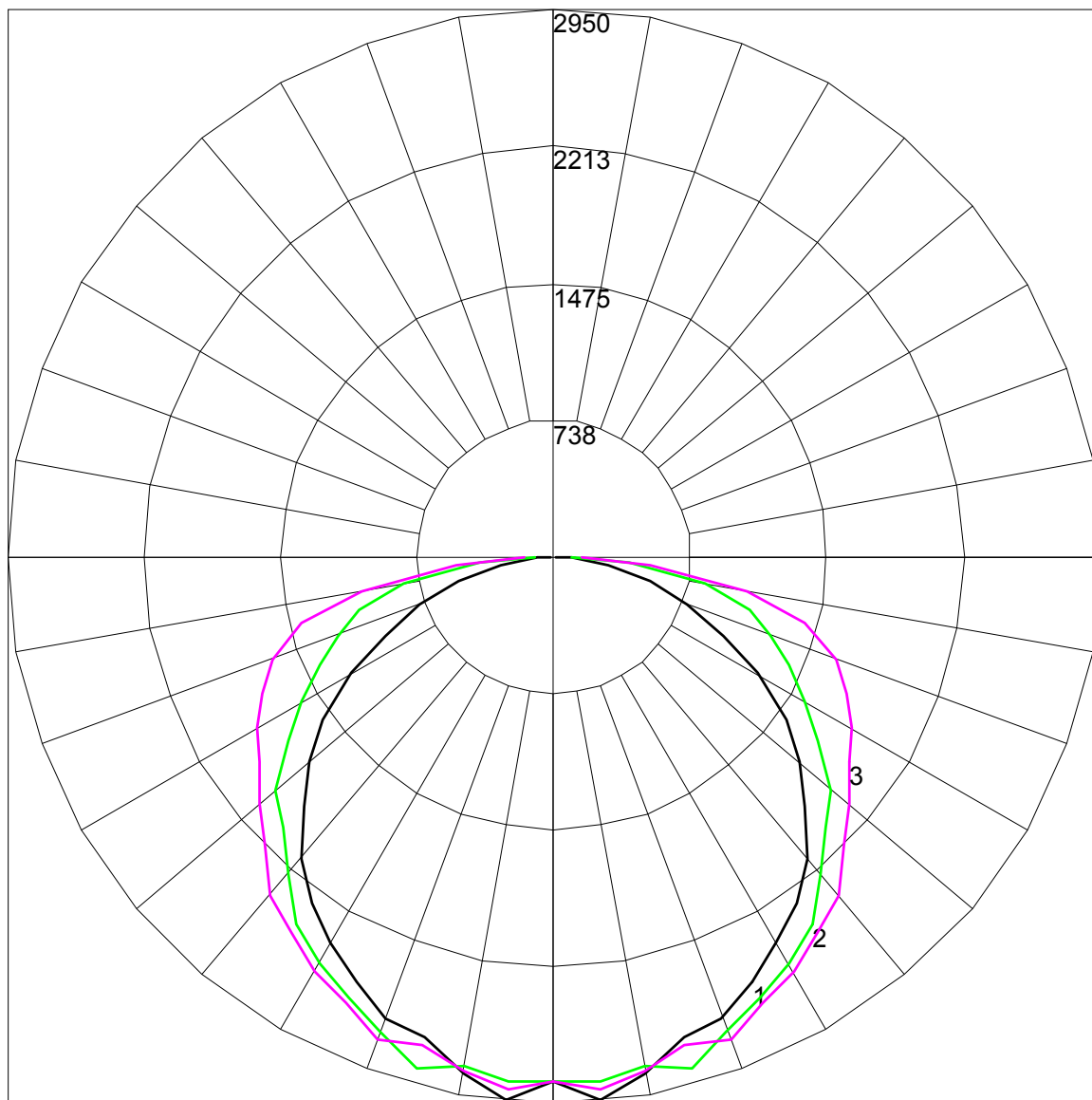
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	97	97	97	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	59	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	33
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 = 2950.28 Located At Horizontal Angle = 0, Vertical Angle = 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)