



**IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 380-T8-2L-4.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
[TEST] LDPI LIGHTING PHOTOMETRIC REPORT  
[LUMINAIRE] PROJECT: 380-T8-2L-4 CAST ALUMINUM BALLAST HOUSING AND HUB ASSEMBLIES.  
[LUMINAIRE] WHITE POWDER COATED ALUMINUM REFLECTORS. CYLINDRICAL GLASS LAMP ENCLOSURES.  
[LUMINAIRE] LAMP TUBES ORIENTED HORIZONTALLY.  
[LAMP] F32T8/TL841/ALTO 2950 LUMENS

**CHARACTERISTICS**

Total Rated Lamp Lumens	5800 (2 lamps)
Total Luminaire Efficiency	84.6 %
CIE Type	Direct
Spacing Criteria (0-180)	1.26
Spacing Criteria (90-270)	1.32
Spacing Criteria (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.34 ft
Luminous Width (90-270)	0.74 ft
Luminous Height	0.28 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4450	3769	3766
55	4085	3556	3753
65	3595	3346	3720
75	3011	3143	3399
85	1159	1606	1731

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	1142.81	19.7	23.3
0-40	1891.08	32.6	38.6
0-60	3492.74	60.2	71.2
0-90	4904.87	84.6	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	4904.87	84.6	100

Total Luminaire Efficiency = 84.6%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	137.22
10-20	395.82
20-30	609.77
30-40	748.27
40-50	810.42
50-60	791.23
60-70	694.31
70-80	509.14
80-90	208.69
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

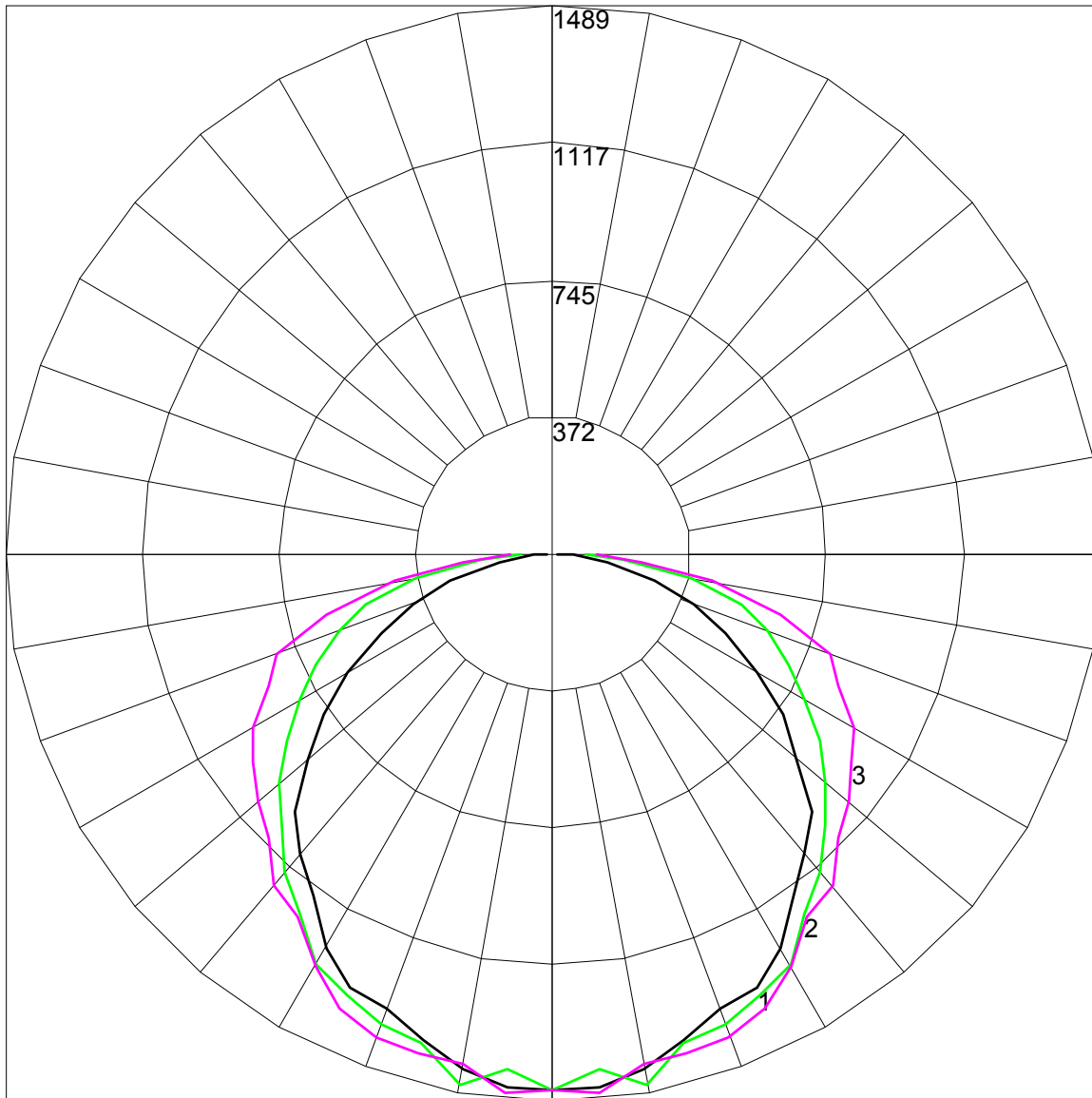
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0	
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	101	101	101	101	101	98	98	98	98	94	94	94	90	90	90	86	86	86	85
1	90	86	82	78	88	84	80	76	80	77	74	77	74	72	74	72	70	70	68
2	81	74	67	62	79	72	66	61	69	64	59	66	62	58	63	60	57	55	55
3	74	64	56	50	72	63	56	50	60	54	49	58	52	48	55	51	47	45	45
4	67	56	48	42	65	55	48	42	53	46	41	51	45	41	49	44	40	38	38
5	62	50	42	36	60	49	41	36	47	40	35	45	39	35	44	39	34	32	32
6	57	45	37	31	55	44	36	31	42	36	31	41	35	30	40	34	30	28	28
7	53	41	33	27	51	40	32	27	38	32	27	37	31	27	36	31	26	25	25
8	49	37	29	24	47	36	29	24	35	29	24	34	28	24	33	28	24	22	22
9	46	34	27	22	44	33	26	22	32	26	21	31	26	21	30	25	21	20	20
10	43	31	24	20	42	31	24	20	30	24	19	29	23	19	28	23	19	18	18

POLAR GRAPH



Maximum Candela = 1489.35 Located At Horizontal Angle = 67.5, 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)