



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] 22802
[MANUFAC]LDPI LIGHTING - EXPLOSION PROOF LUMINAIRE
[LUMCAT]380-T8-4L-4-UNV
[LUMINAIRE]WITH WHITE REFLECTOR AND CLEAR GLASS TUBE LENS
[LAMP]FOUR PHILIPS 32 WATT T8 LAMPS
[LAMP]F32T8/TL841. LUMEN RATING = 2950 LMS.
[OTHER]TWO ADVANCE ICN-2P32-SC-HAZ BALLASTS OPERATING AT 120 VAC AND 118 WATTS

CHARACTERISTICS

Total Rated Lamp Lumens	11800 (4 lamps)
Total Luminaire Efficiency	77 %
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	118
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.26
Spacing Criteria (90-270)	1.38
Spacing Criteria (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.47 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4455	5081	5646
55	4223	5443	6383
65	3790	6113	7592
75	2906	7487	8506
85	1020	4195	5074

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2081.27	17.6	22.9
0-40	3466.55	29.4	38.1
0-60	6493.18	55	71.5
0-90	9061.34	76.8	99.7
90-120	25.93	.2	.3
90-130	25.93	.2	.3
90-150	25.93	.2	.3
90-180	25.93	.2	.3
0-180	9087.27	77	100

Total Luminaire Efficiency = 77%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	248.52
10-20	719.01
20-30	1113.74
30-40	1385.28
40-50	1517.54
50-60	1509.1
60-70	1350.84
70-80	958.99
80-90	258.32
90-100	25.51
100-110	.42
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

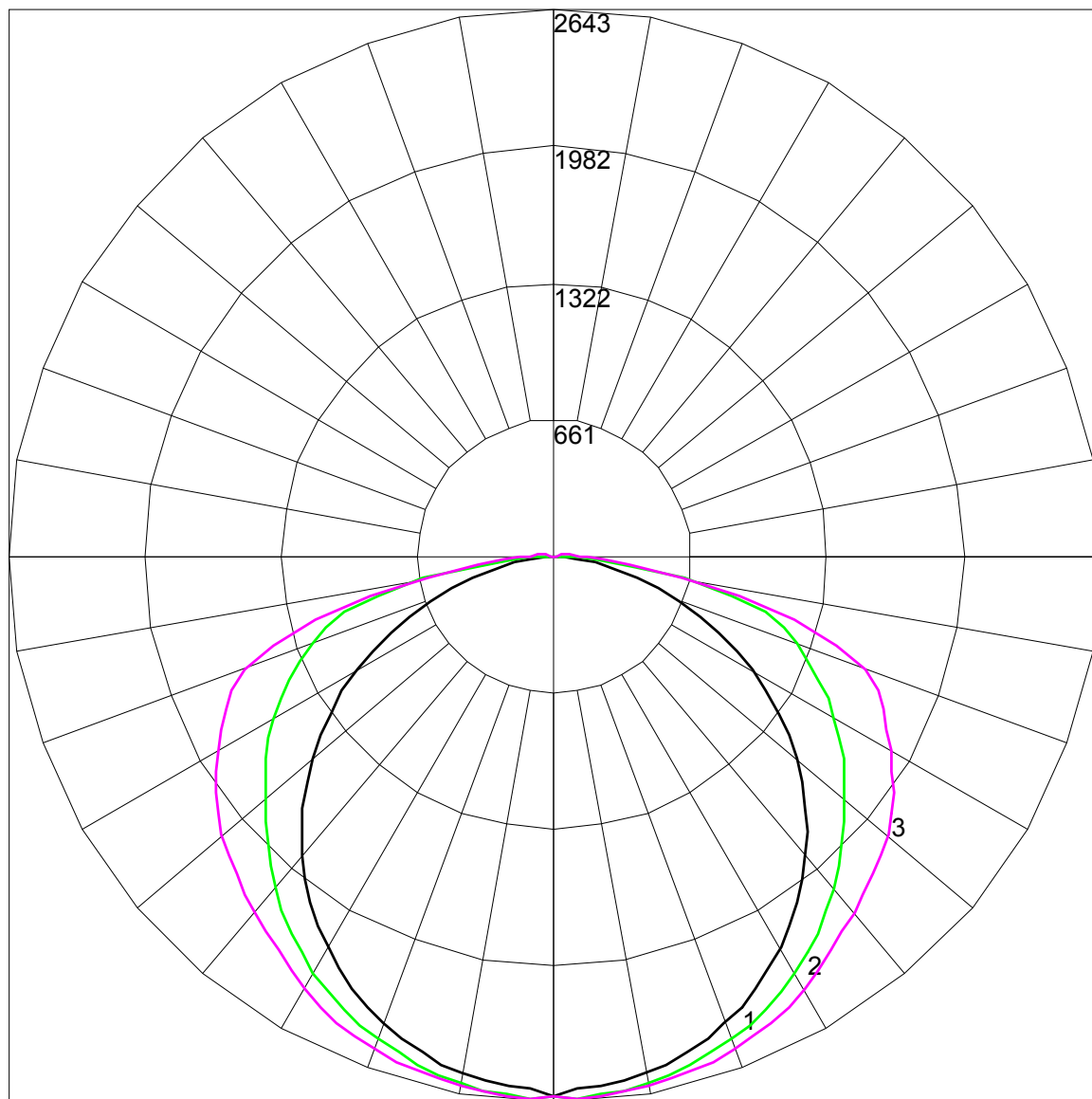
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	92	92	92	89	89	89	89	85	85	85	82	82	82	78	78	78	77
1	83	78	75	71	80	77	73	70	73	71	68	70	68	66	67	66	64	62
2	74	67	62	57	72	66	60	56	63	58	55	60	57	53	58	55	52	50
3	67	58	52	46	65	57	51	46	55	49	45	53	48	44	50	47	43	41
4	61	51	44	38	59	50	43	38	48	42	38	46	41	37	45	40	36	35
5	56	46	38	33	54	45	38	32	43	37	32	41	36	32	40	35	31	30
6	52	41	33	28	50	40	33	28	39	32	28	37	32	28	36	31	27	26
7	48	37	30	25	46	36	29	25	35	29	24	34	28	24	33	28	24	22
8	44	33	27	22	43	33	26	22	32	26	22	31	25	22	30	25	21	20
9	41	31	24	20	40	30	24	20	29	23	19	28	23	19	28	23	19	18
10	39	28	22	18	38	28	22	18	27	21	18	26	21	17	26	21	17	16

POLAR GRAPH



Maximum Candela = 2643.2 Located At Horizontal Angle = 67.5, 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)