



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 380-T5HO-3L-4-UNV-HB.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] 22801
[MANUFAC]LDPI LIGHTING - EXPLOSION PROOF LUMINAIRE
[LUMCAT]380-T5HO-3L-4-UNV-HB
[LUMINAIRE]WITH SPECULAR REFLECTOR AND CLEAR GLASS TUBE LENS
[LAMP]THREE PHILIPS 54 WATT T5 LAMPS
[LAMPCAT]F54T5/841HO. LUMEN RATING = 4500 LMS.
[OTHER]ONE ADVANCE ICN-4S54 BALLAST OPERATING AT 120 VAC AND 161 WATTS

CHARACTERISTICS

Total Rated Lamp Lumens	13500 (3 lamps)
Total Luminaire Efficiency	70.3 %
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	161
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.22
Spacing Criteria (90-270)	1.08
Spacing Criteria (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.02 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7966	6562	6844
55	7013	6379	8064
65	5505	7673	10435
75	3202	10279	12101
85	511	6212	7167

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2766.69	20.5	29.2
0-40	4307.35	31.9	45.4
0-60	7148.31	53	75.3
0-90	9478.52	70.2	99.9
90-120	9.41	.1	.1
90-130	9.41	.1	.1
90-150	9.41	.1	.1
90-180	9.41	.1	.1
0-180	9487.93	70.3	100

Total Luminaire Efficiency = 70.3%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	348.81
10-20	998.2
20-30	1419.69
30-40	1540.66
40-50	1483.34
50-60	1357.62
60-70	1209.06
70-80	887.16
80-90	233.99
90-100	8.84
100-110	.56
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

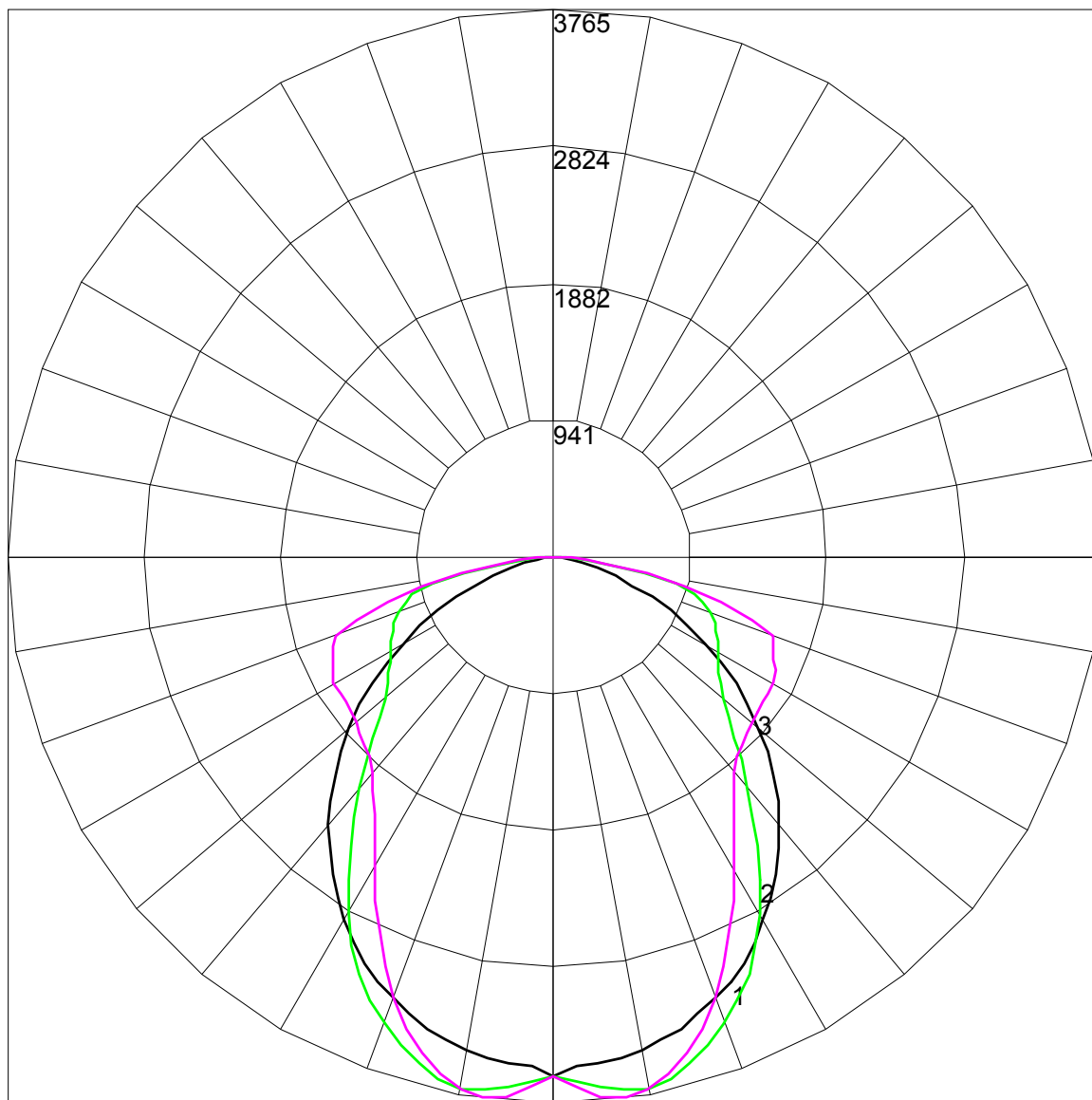
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	84	84	84	84	82	82	82	82	78	78	78	75	75	75	72	72	72	70
1	76	72	69	66	74	71	68	65	68	65	63	65	63	61	62	61	59	58
2	69	63	58	54	67	62	57	53	59	55	52	57	53	51	55	52	49	48
3	63	55	49	45	61	54	49	44	52	47	43	50	46	43	48	45	42	40
4	58	49	43	38	56	48	42	38	46	41	37	45	40	37	43	39	36	34
5	53	44	37	33	52	43	37	33	42	36	32	40	35	32	39	35	31	30
6	49	40	33	29	48	39	33	29	38	32	28	36	32	28	35	31	28	26
7	46	36	30	26	44	35	30	25	34	29	25	33	29	25	32	28	25	23
8	43	33	27	23	41	33	27	23	32	26	23	31	26	23	30	26	22	21
9	40	30	25	21	39	30	24	21	29	24	21	28	24	20	28	23	20	19
10	37	28	23	19	36	28	22	19	27	22	19	26	22	19	26	22	19	17

POLAR GRAPH



Maximum Candela = 3764.9 Located At Horizontal Angle = 90, Vertical Angle = 7.5

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