



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 380-T5HO-2L-4-UNV-HB.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
 [TEST] 22800
 [MANUFAC]LDPI LIGHTING - EXPLOSION PROOF LUMINAIRE
 [LUMCAT]380-T5HO-2L-4-UNV-HB
 [LUMINAIRE]WITH SPECULAR REFLECTOR AND CLEAR GLASS TUBE LENS
 [LAMP]TWO PHILIPS 54 WATT T5 LAMPS
 [LAMPCAT]F54T5/841HO. LUMEN RATING = 4500 LMS.
 [OTHER]ONE ADVANCE ICN-2S54 BALLAST OPERATING AT 120 VAC AND 105 WATTS

CHARACTERISTICS

Total Rated Lamp Lumens	9000 (2 lamps)
Total Luminaire Efficiency	75.6 %
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	105
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.22
Spacing Criteria (90-270)	1.10
Spacing Criteria (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.69 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8451	6787	6969
55	7467	6565	8185
65	5911	7895	10318
75	3503	10404	13737
85	595	9464	11212

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1987.17	22.1	29.2
0-40	3095.9	34.4	45.5
0-60	5096.14	56.6	74.9
0-90	6787.46	75.4	99.8
90-120	12.65	.1	.2
90-130	12.65	.1	.2
90-150	12.65	.1	.2
90-180	12.66	.1	.2
0-180	6800.12	75.6	100

Total Luminaire Efficiency = 75.6%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	246.07
10-20	713.22
20-30	1027.88
30-40	1108.73
40-50	1048.62
50-60	951.62
60-70	831.72
70-80	644.2
80-90	215.41
90-100	12.04
100-110	.62
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

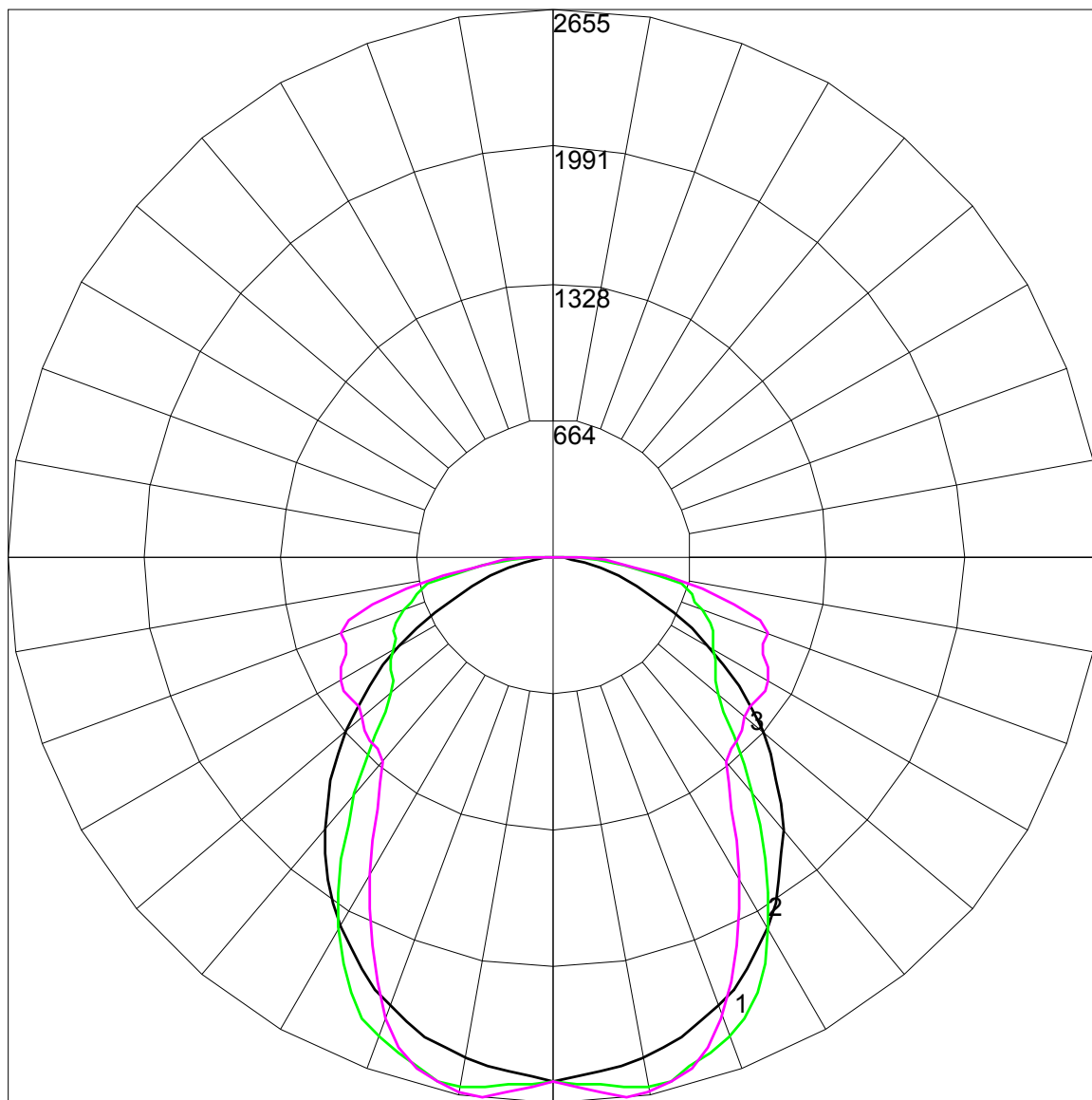
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	90	90	90	90	88	88	88	88	84	84	84	80	80	80	77	77	77	75
1	82	78	74	71	79	76	73	70	73	70	68	70	67	65	67	65	63	62
2	74	67	62	57	72	66	61	57	63	59	55	61	57	54	58	55	53	51
3	67	59	53	48	65	58	52	47	56	51	46	54	49	46	52	48	45	43
4	62	53	46	41	60	52	45	40	50	44	40	48	43	39	46	42	39	37
5	57	47	40	35	55	46	40	35	45	39	35	43	38	34	42	37	34	32
6	53	43	36	31	51	42	35	31	40	35	30	39	34	30	38	33	30	28
7	49	39	32	27	48	38	32	27	37	31	27	36	31	27	35	30	27	25
8	46	35	29	25	44	35	29	25	34	28	24	33	28	24	32	27	24	23
9	43	33	26	22	42	32	26	22	31	26	22	30	26	22	30	25	22	20
10	40	30	24	20	39	30	24	20	29	24	20	28	23	20	28	23	20	19

POLAR GRAPH



Maximum Candela = 2655.3 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)