



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995

[TEST] 20718

[MANUFAC]LDPI LIGHTING - EXPLOSION PROOF LUMINAIRE

[LUMCAT]380-T5HO-2L-4-UNV

[LUMINAIRE]WITH WHITE REFLECTOR AND CLEAR GLASS TUBE LENS

[LAMP]TWO PHILIPS 54 WATT T5 LAMPS

[LAMPCAT]F54T5/841/HO/ALTO. LUMEN RATING = 4500 LMS.

[OTHER]ONE ADVANCE ICN-2S54 BALLAST OPERATING AT 120 VAC AND 102 WATTS

CHARACTERISTICS

Total Rated Lamp Lumens	9000 (2 lamps)
Total Luminaire Efficiency	65.1 %
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)	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	6214	6959	7734
55	5824	7322	8652
65	5107	8150	10459
75	3756	10118	12131
85	1283	7372	9182

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1356.99	15.1	23.2
0-40	2258.04	25.1	38.5
0-60	4196.79	46.6	71.6
0-90	5852.73	65	99.8
90-120	8.86	.1	.2
90-130	8.86	.1	.2
90-150	8.86	.1	.2
90-180	8.86	.1	.2
0-180	5861.6	65.1	100

Total Luminaire Efficiency = 65.1%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	161.76
10-20	469.19
20-30	726.04
30-40	901.05
40-50	978.49
50-60	960.26
60-70	854.47
70-80	617.44
80-90	184.03
90-100	8.11
100-110	.75
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

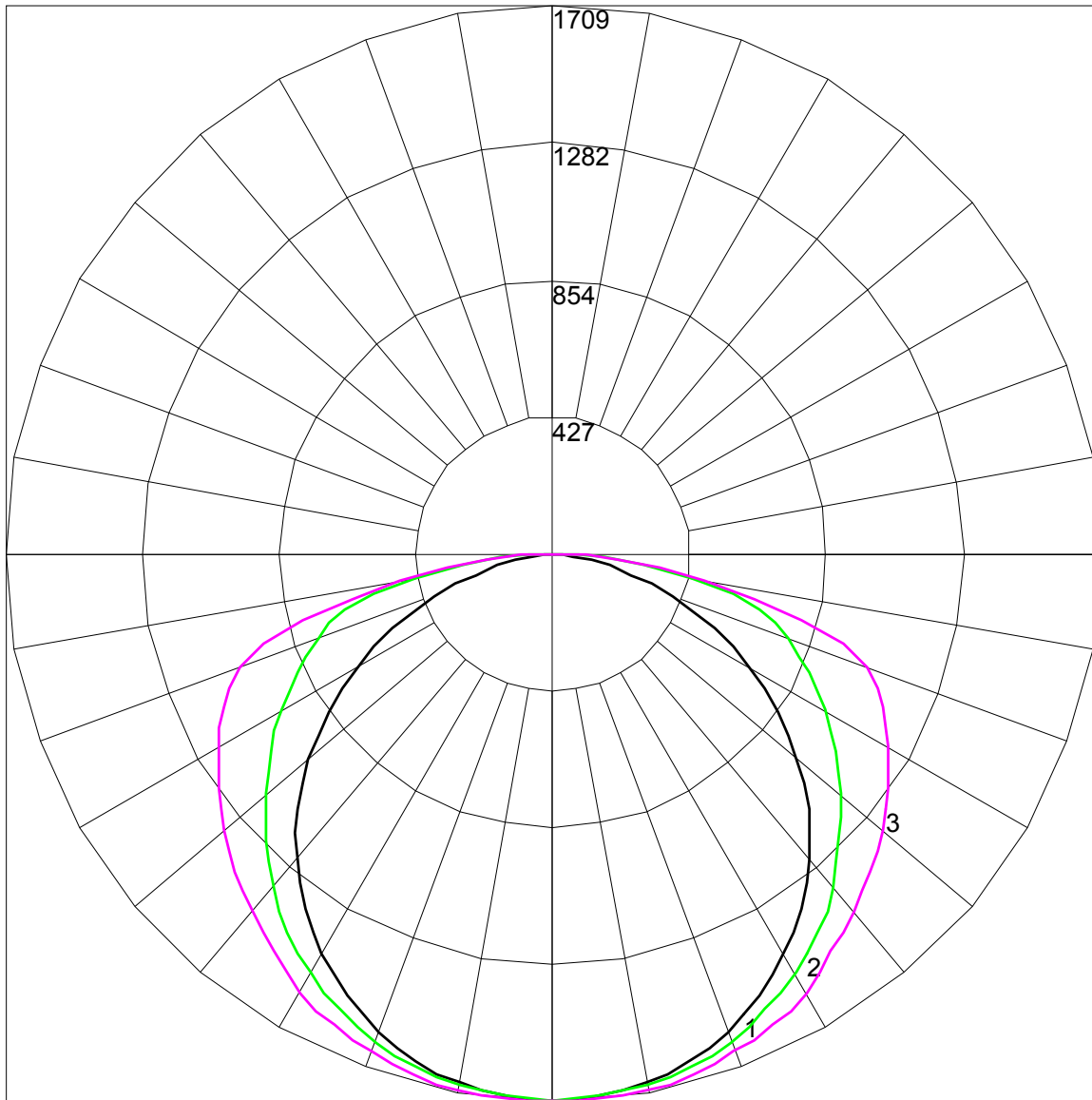
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	78	78	78	78	76	76	76	76	72	72	72	69	69	69	66	66	66	65
1	70	66	63	60	68	65	62	59	62	60	57	59	57	56	57	55	54	52
2	63	57	52	48	61	56	51	47	53	49	46	51	48	45	49	46	44	42
3	57	49	44	39	55	48	43	39	46	42	38	44	41	37	43	39	37	35
4	52	43	37	33	50	43	37	32	41	36	32	39	35	31	38	34	31	29
5	47	39	32	28	46	38	32	28	36	31	27	35	30	27	34	30	27	25
6	44	35	28	24	42	34	28	24	33	27	24	32	27	23	30	26	23	22
7	40	31	25	21	39	31	25	21	30	24	21	29	24	21	28	24	20	19
8	38	28	23	19	37	28	22	19	27	22	18	26	22	18	25	21	18	17
9	35	26	20	17	34	26	20	17	25	20	17	24	20	16	23	19	16	15
10	33	24	19	15	32	24	18	15	23	18	15	22	18	15	22	18	15	14

POLAR GRAPH



Maximum Candela = 1708.7 Located At Horizontal Angle = 90, 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)