



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 380-T8-3L-4-UNV.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
[TEST] 22799  
[MANUFAC]LDPI LIGHTING - EXPLOSION PROOF LUMINAIRE  
[LUMCAT]380-T8-3L-4-UNV  
[LUMINAIRE]WITH WHITE REFLECTOR AND CLEAR GLASS TUBE LENS  
[LAMP]THREE PHILIPS 32 WATT T8 LAMPS  
[LAMPCAT]F32T8/TL841. LUMEN RATING = 2950 LMS.  
[OTHER]ONE ADVANCE ICN-4P32-SC-HAZ BALLAST OPERATING AT 120 VAC AND 91 WATTS

**CHARACTERISTICS**

Total Rated Lamp Lumens	8850 (3 lamps)
Total Luminaire Efficiency	76.8 %
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	91
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.26
Spacing Criteria (90-270)	1.40
Spacing Criteria (Diagonal)	1.48
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	4793	5522	6241
55	4547	5902	7095
65	4078	6610	8406
75	3102	7830	8333
85	980	4618	6070

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	1561.37	17.6	23
0-40	2603.74	29.4	38.3
0-60	4888.78	55.2	72
0-90	6770.77	76.5	99.7
90-120	22.55	.3	.3
90-130	22.61	.3	.3
90-150	22.63	.3	.3
90-180	22.63	.3	.3
0-180	6793.4	76.8	100

Total Luminaire Efficiency = 76.8%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	186.19
10-20	539.26
20-30	835.91
30-40	1042.37
40-50	1144.94
50-60	1140.1
60-70	1012.84
70-80	681.04
80-90	188.12
90-100	21.87
100-110	.61
110-120	.07
120-130	.05
130-140	.02
140-150	0
150-160	0
160-170	0
170-180	0

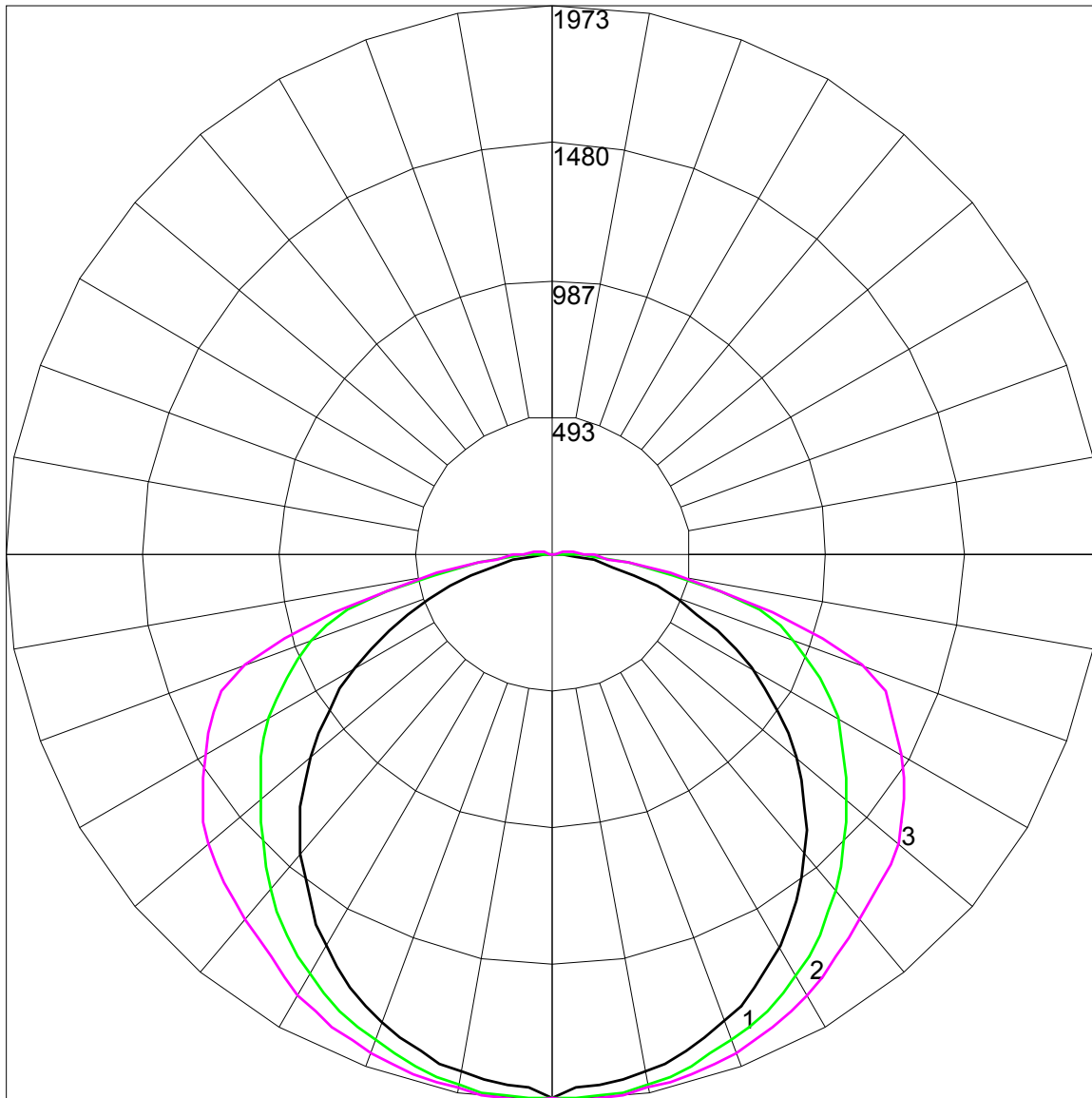
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	91	91	91	91	89	89	89	89	85	85	85	81	81	81	78	78	78	77
1	82	78	75	71	80	77	73	70	73	70	68	70	68	66	67	65	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	39	59	50	43	38	48	42	38	46	41	37	45	40	37	35
5	56	46	38	33	54	45	38	33	43	37	32	41	36	32	40	35	31	30
6	52	41	34	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 = 1973.4 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)