



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 390229I-4843.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
[TEST] 21246  
[MANUFAC] LDPI LIGHTING - SUSPENDED LUMINAIRE - INDUSTRIAL  
[LUMCAT] 390229I-4843  
[LUMINAIRE] WITH WHITE INTERIOR AND NO LENS  
[LAMP] FOUR PHILIPS 54 WATT T5HO LAMPS  
[LAMPCAT] F54T5/841/HO/ALTO LUMEN RATING = 5000 LMS  
[OTHER] ONE ADVANCE ICN-4S54-90C-2LS-G BALLAST OPERATING AT 120 VAC AND 240 WATTS

**CHARACTERISTICS**

Total Rated Lamp Lumens 20000 (4 lamps)  
Total Luminaire Efficiency 83.4 %  
CIE Type Direct  
Spacing Criteria (0-180) 1.28  
Spacing Criteria (90-270) 1.48  
Spacing Criteria (Diagonal) 1.54  
Basic Luminous Shape Rectangular  
Luminous Length (0-180) 4.00 ft  
Luminous Width (90-270) 1.21 ft  
Luminous Height 0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9980	12144	13220
55	9617	12930	14405
65	8932	13971	15390
75	7358	14141	14102
85	3809	8638	7514

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	3827.38	19.1	22.9
0-40	6452.86	32.3	38.7
0-60	12264.61	61.3	73.5
0-90	16677.24	83.4	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	16677.24	83.4	100

Total Luminaire Efficiency = 83.4%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	448.58
10-20	1313.37
20-30	2065.44
30-40	2625.47
40-50	2920.46
50-60	2891.3
60-70	2472.17
70-80	1551.51
80-90	388.95
90-100	0
100-110	0
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

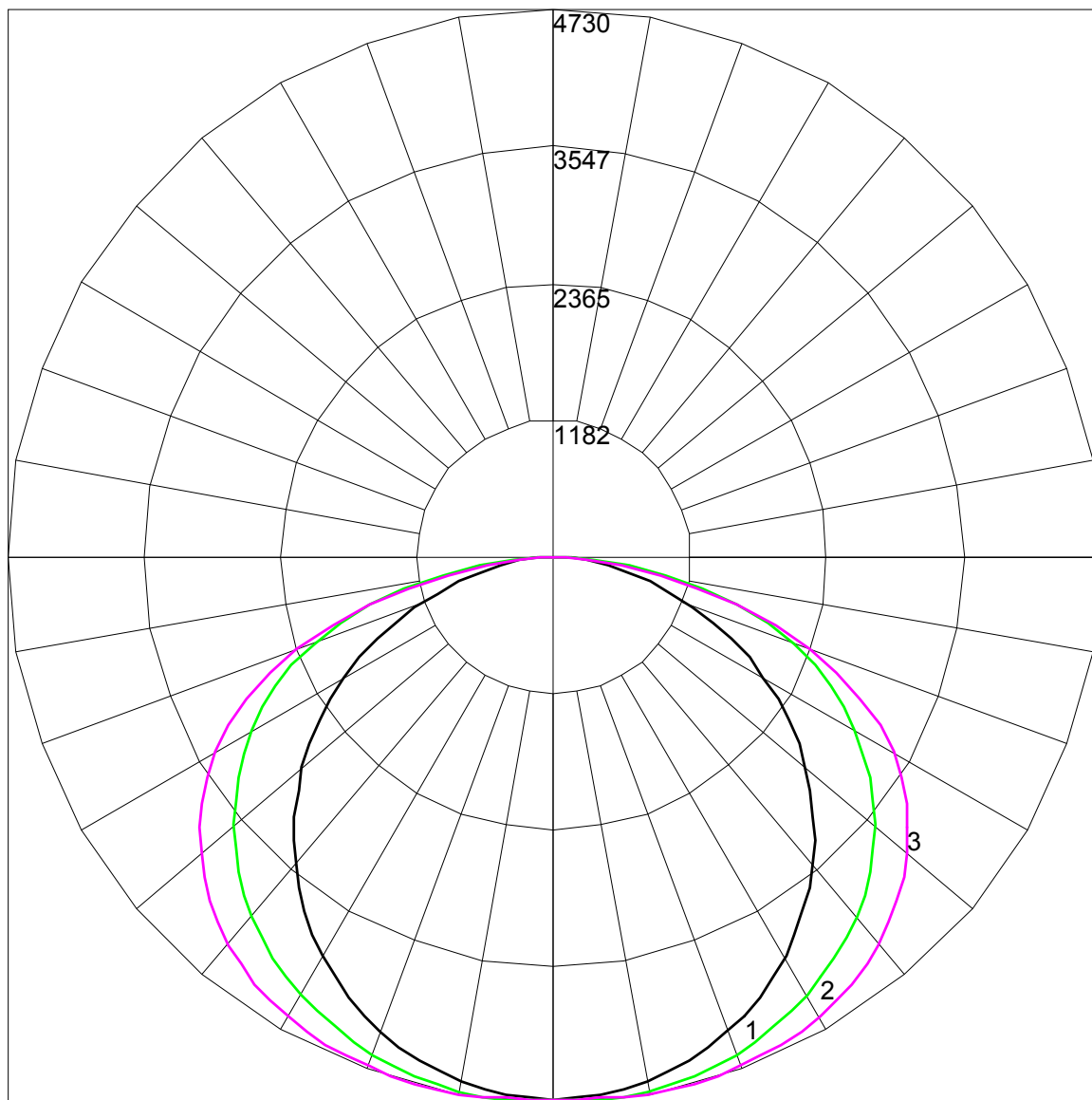
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	99	99	99	99	97	97	97	97	93	93	93	89	89	89	85	85	85	83
1	90	85	82	78	88	84	80	77	80	77	74	77	74	72	74	72	70	68
2	81	74	67	62	79	72	66	61	69	64	60	66	62	59	64	60	57	55
3	73	64	57	51	71	63	56	50	60	54	49	58	53	48	55	51	48	46
4	67	56	48	42	65	55	48	42	53	46	41	51	45	41	49	44	40	38
5	61	50	42	36	59	49	41	36	47	40	35	45	39	35	44	39	35	33
6	56	45	37	31	55	44	36	31	42	36	31	41	35	30	39	34	30	28
7	52	40	33	27	50	39	32	27	38	32	27	37	31	27	36	30	26	25
8	48	37	29	24	47	36	29	24	35	28	24	34	28	24	33	27	23	22
9	45	33	26	21	44	33	26	21	32	26	21	31	25	21	30	25	21	19
10	42	31	24	19	41	30	24	19	29	23	19	29	23	19	28	23	19	17

POLAR GRAPH



Maximum Candela = 4729.63 Located At Horizontal Angle = 67.5, Vertical Angle = 10

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