



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 4 FOOT INSPECTION.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
 [TEST] Photopia 1.5.0.22 PHOTOMETRIC REPORT
 [LUMINAIRE] PROJECT: LDPI Lighting Inspection Light 2-Lamp 4-ft. LAMP F32T8/TL850 2950 LUMENS
 [OTHER] OPTIONS:
 [OTHER] Spawning 1 rays for each reaction.
 [OTHER] Writing 250 rays to a DXF file.
 [OTHER] Random number generator seed: 8.
 [OTHER] Tracing 7 reflections.
 [OTHER] Stop tracing ray at 2.0% of initial magnitude.
 [OTHER] Tracing 4999964 initial lamp rays.
 [OTHER] Photometric test distance of 20.00 feet.
 [OTHER]
 [OTHER] LUMENS EXITING SYSTEM:
 [OTHER] Lumens(%) Reflection
 [OTHER] 0(0.0%) 0
 [OTHER] 1006(17.4%) 1
 [OTHER] 1089(18.8%) 2
 [OTHER] 170(2.9%) 3
 [OTHER] 193(3.3%) 4
 [OTHER] 51(0.9%) 5
 [OTHER] 64(1.1%) 6
 [OTHER] 22(0.4%) 7
 [OTHER] 2598(44.8%) Total
 [OTHER]
 [OTHER] LUMENS ABSORBED BY SYSTEM:
 [OTHER] Lumens(%) Layer Name
 [OTHER] 278(4.8%) REFL-MAIN
 [OTHER] 89(1.6%) REFL-ENDS
 [OTHER] 5(0.1%) TRAN-LENS
 [OTHER] 2527(43.6%) REFL-BLACK
 [OTHER] 103(1.8%) LAMP-FO32311
 [OTHER] 5(0.1%) LAMP-FO32312
 [OTHER] 0(0.0%) LAMP-FO3231A
 [OTHER] 3010(51.9%) Total
 [OTHER] Lumens(%) Material
 [OTHER] 108(1.9%) PHOSGLAS
 [OTHER] 278(4.8%) ALMIRO04
 [OTHER] 2617(45.1%) ZERO0000
 [OTHER] 5(0.1%) GLASS001
 [OTHER] 3010(51.9%) Total
 [OTHER]
 [OTHER] UNACCOUNTED LUMENS:
 [OTHER] reached interreflection limit: 171.61 (3.0%)
 [OTHER] fell below continuation minimum: 0.00 (0.0%)
 [OTHER] could not find in/out refractor facet: 0.00 (0.0%)
 [OTHER] reached try limit for scatter bounce: 0.00 (0.0%)
 [OTHER] lost elsewhere(i.e. outside distrib): 0.00 (0.0%)

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CHARACTERISTICS

Total Rated Lamp Lumens	5800 (2 lamps)
Total Luminaire Efficiency	44.9 %
CIE Type	Direct
Spacing Criteria (0-180)	1.20
Spacing Criteria (90-270)	0.44
Spacing Criteria (Diagonal)	0.66
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3457	2904	1166
55	3032	1373	1788
65	1889	1561	1578
75	1709	875	283
85	244	113	45

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	855.15	14.7	32.8
0-40	1406.18	24.2	54
0-60	2244.24	38.7	86.1
0-90	2606.19	44.9	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	2606.19	44.9	100

Total Luminaire Efficiency = 44.9%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	142.6
10-20	299.11
20-30	413.43
30-40	551.03
40-50	464.73
50-60	373.32
60-70	254.28
70-80	96.81
80-90	10.86
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

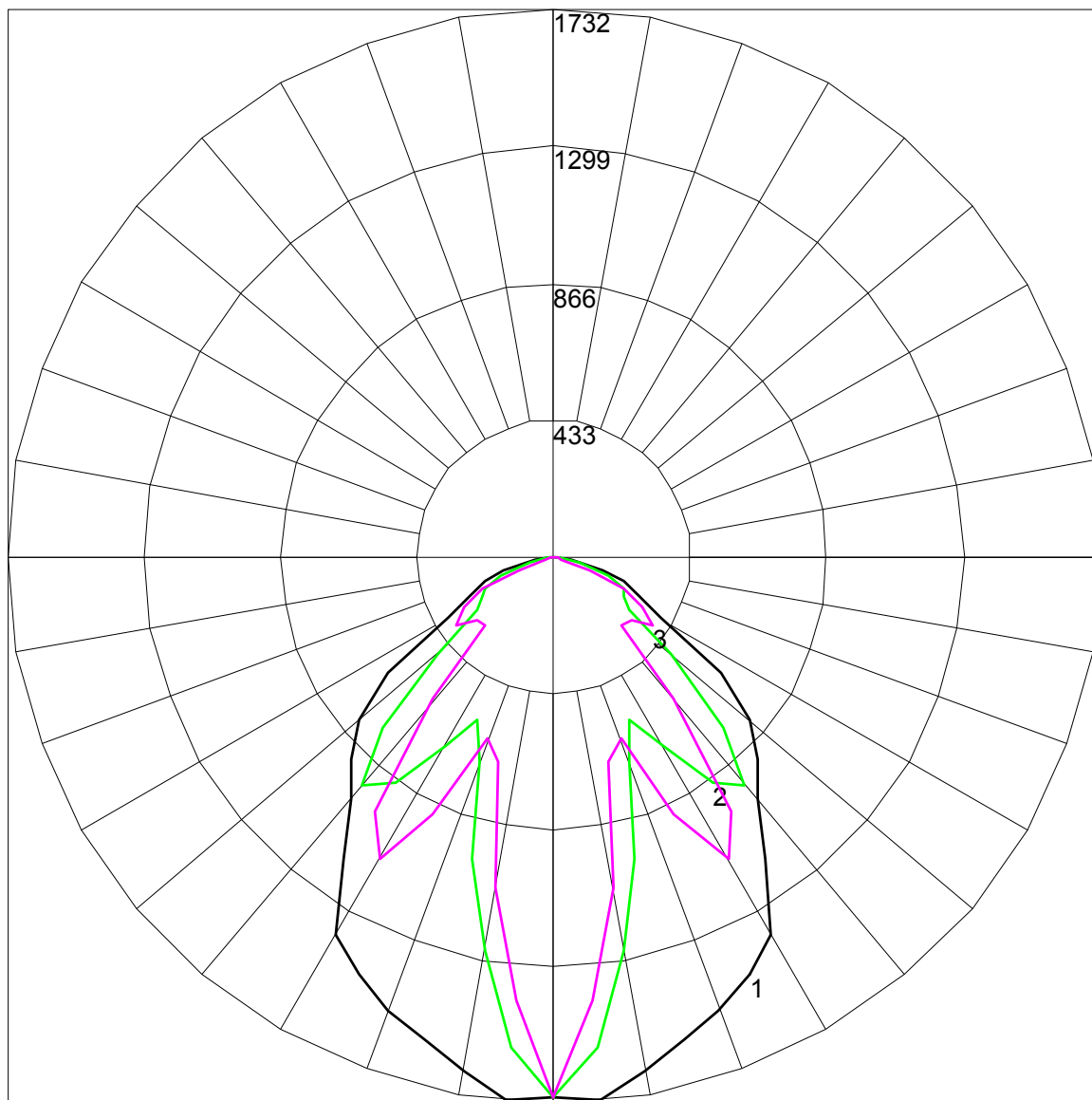
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	53	53	53	53	52	52	52	52	50	50	50	48	48	48	46	46	46	45
1	50	48	46	45	48	47	45	44	45	44	42	43	42	41	42	41	40	39
2	46	42	40	37	44	41	39	37	40	38	36	38	37	35	37	36	34	33
3	42	38	34	32	41	37	34	31	36	33	31	34	32	30	33	31	30	29
4	39	34	30	27	38	33	30	27	32	29	27	31	28	26	30	28	26	25
5	36	30	27	24	35	30	26	24	29	26	23	28	25	23	27	25	23	22
6	33	27	24	21	32	27	24	21	26	23	21	26	23	21	25	22	20	20
7	31	25	21	19	30	25	21	19	24	21	19	23	21	18	23	20	18	17
8	29	23	19	17	28	23	19	17	22	19	17	22	19	17	21	19	17	16
9	27	21	18	15	26	21	18	15	20	17	15	20	17	15	20	17	15	14
10	25	20	16	14	25	19	16	14	19	16	14	19	16	14	18	16	14	13

POLAR GRAPH



Maximum Candela = 1731.5 Located At Horizontal Angle = 0, Vertical Angle = 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)