

Photometric Test Report

IES INDOOR REPORT

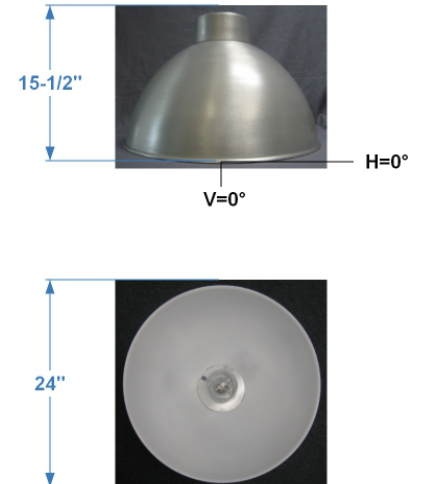
PHOTOMETRIC FILENAME : L02130801.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L02130801
[TESTLAB] LIGHT LABORATORY, INC.
[ISSUE DATE] 2/14/2013
[MANUFAC] HI-LITE MFG
[LUMCAT] H-17124/100W/MH
[LUMINAIRE] 24" DIA. X 15-1/2"H. DEEP BOWL SHADE
[MORE] 100W METAL HALIDE, RIBBED GLASS
[BALLASTCAT] HX-HPP AUTOTRANSFORMER BALLAST 71A5380
[BALLAST] 100W M90/M140 METAL HALIDE, INPUT: 120-277VAC 60HZ, 1.15-0.5A
[LAMPPOSITION] 0,0
[LAMPCAT] SYLVANIA METALARC PRO-TECH MP
[LAMPLUM] 8500
[INPUT] 120VAC, 128.69W

CHARACTERISTICS

Lumens Per Lamp	8500 (1 lamp)
Total Lamp Lumens	8500
Luminaire Lumens	5880
Total Luminaire Efficiency	69 %
Luminaire Efficacy Rating (LER)	46
Total Luminaire Watts	128.69
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.96 ft (Diameter)
Luminous Width (90-270)	1.96 ft (Diameter)
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7659	7659	7659
55	8153	8153	8153
65	4596	4596	4596
75	3594	3594	3594
85	2985	2985	2985

CANDELA TABULATION

	<u>0</u>
0.0	1964
1.0	1951
3.0	1916
5.0	1902
7.0	1904
9.0	1900
11.0	1913
13.0	1926
15.0	1930
17.0	1937
19.5	1933
22.5	1902
25.5	1813
29.0	1736
33.0	1685
37.5	1628
42.5	1544
47.5	1495
55.0	1312
65.0	545
75.0	261
85.0	73
90.0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	692.98	8.20	11.80
0-30	1479.35	17.40	25.20
0-40	2337.38	27.50	39.70
0-60	4384.73	51.60	74.60
0-80	5680.17	66.80	96.60
0-90	5880.28	69.20	100.00
10-90	5732.73	67.40	97.50
20-40	1644.4	19.30	28.00
20-50	2792.15	32.80	47.50
40-70	2928.03	34.40	49.80
60-80	1295.44	15.20	22.00
70-80	414.76	4.90	7.10
80-90	200.11	2.40	3.40
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	5880.28	69.20	100.00

Total Luminaire Efficiency = 69.20%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	147.56
10-20	545.42
20-30	786.37
30-40	858.03
40-50	1147.75
50-60	899.60
60-70	880.68
70-80	414.76
80-90	200.11
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

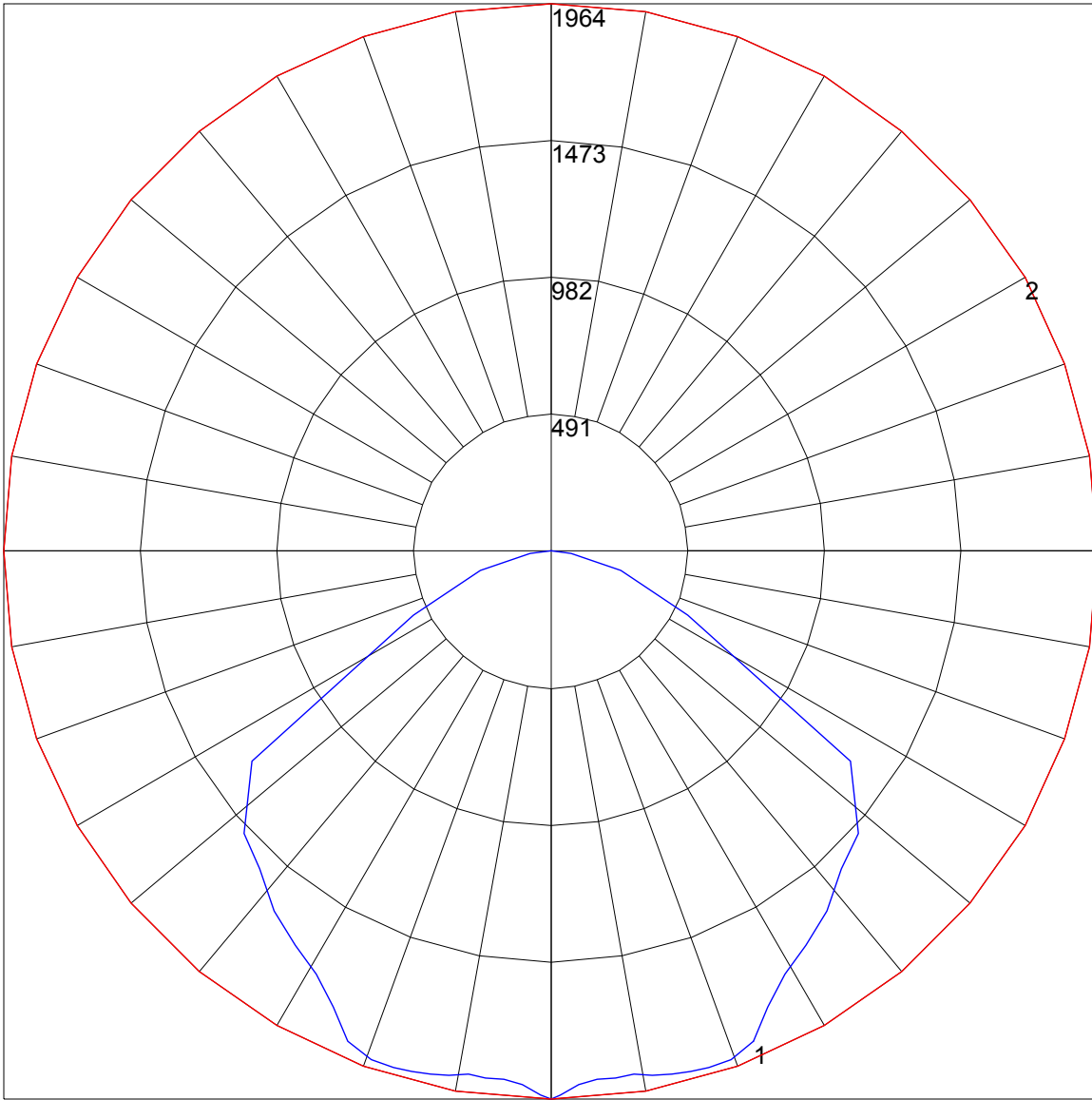
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	82	82	82	82	80	80	80	80	77	77	77	74	74	74	71	71	71	69	0
1	75	71	68	65	73	69	66	64	66	64	62	64	62	60	61	60	58	57	0
2	67	61	56	52	66	60	55	52	58	54	50	55	52	49	53	50	48	47	0
3	61	54	48	43	60	52	47	43	50	46	42	48	44	41	47	43	40	39	0
4	56	47	41	36	54	46	40	36	45	39	35	43	38	35	41	37	34	33	0
5	51	42	36	31	50	41	35	31	40	34	30	38	34	30	37	33	30	28	0
6	47	38	31	27	46	37	31	27	36	30	26	35	30	26	33	29	26	24	0
7	44	34	28	23	42	33	28	23	32	27	23	31	27	23	30	26	23	21	0
8	41	31	25	21	40	31	25	21	30	24	21	29	24	20	28	24	20	19	0
9	38	28	23	19	37	28	22	19	27	22	18	26	22	18	26	21	18	17	0
10	36	26	21	17	35	26	20	17	25	20	17	24	20	17	24	20	17	15	0

POLAR GRAPH



Maximum Candela = 1964 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)