

Photometric Test Report

IES ROAD REPORT

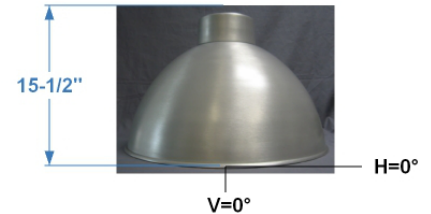
PHOTOMETRIC FILENAME : L02130801.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L02130801
[TESTLAB] LIGHT LABORATORY, INC.
[ISSUEDATE] 2/14/2013
[MANUFAC] HI-LITE MFG
[LUMCAT] H-17124/100W/MH
[LUMINAIRE] 24"DIA. X 15-1/2"H. DEEP BOWL METAL HALIDE LUMINAIRE
[MORE] 175W METAL HALIDE, MEDIUM BASE, RIBBED GLASSLENS
[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

IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	8500 (1 lamp)
Total Lamp Lumens	8500
Luminaire Lumens	5880
Downward Total Efficiency	69 %
Total Luminaire Efficiency	69 %
Luminaire Efficacy Rating (LER)	46
Total Luminaire Watts	128.69
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1964
Maximum Candela Angle	0H 0V
Maximum Candela (<90 Degrees Vertical)	1964
Maximum Candela Angle (<90 Degrees Vertical)	0H 0V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	167 (2.0% Lamp Lumens)
Cutoff Classification (deprecated)	Full Cutoff



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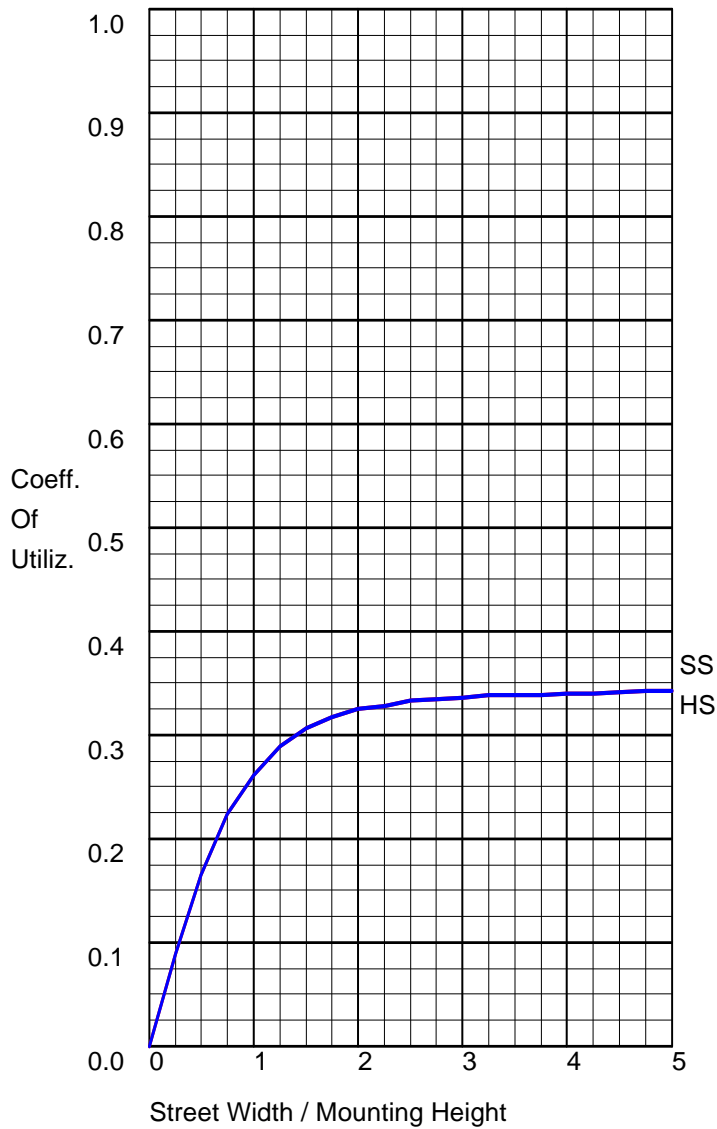
LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	786.4	9.3	13.4
FM - Front-Medium (30-60)	1664.9	19.6	28.3
FH - Front-High (60-80)	443.8	5.2	7.6
FVH - Front-Very High (80-90)	42.6	0.5	0.7
BL - Back-Low (0-30)	786.4	9.3	13.4
BM - Back-Medium (30-60)	1664.9	19.6	28.3
BH - Back-High (60-80)	443.8	5.2	7.6
BVH - Back-Very High (80-90)	42.6	0.5	0.7
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	5875.4	69.2	100.0
BUG Rating	B2-U0-G1		

CANDELA TABULATION

Vert. Angles	Horizontal Angles
	<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

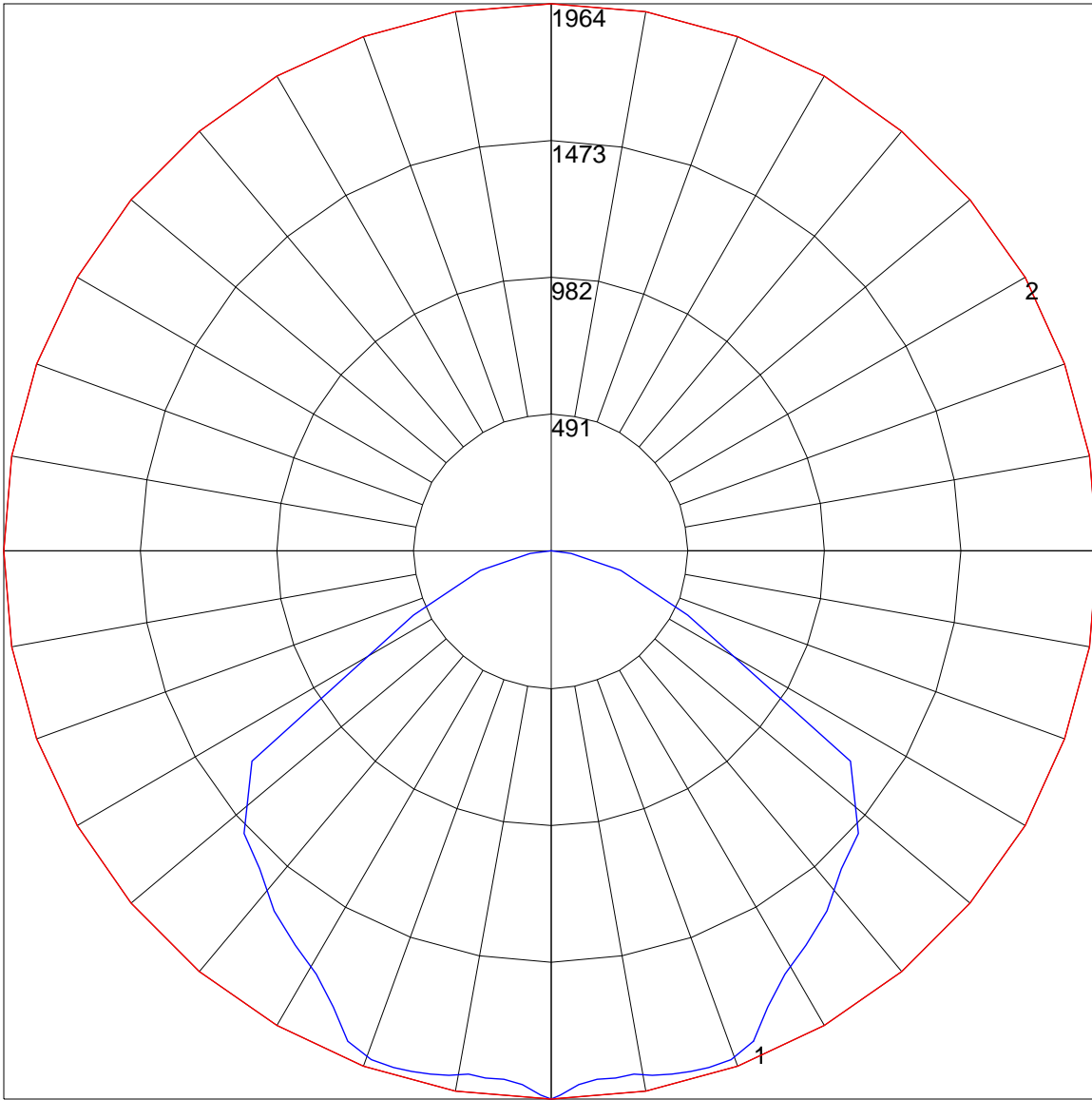
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

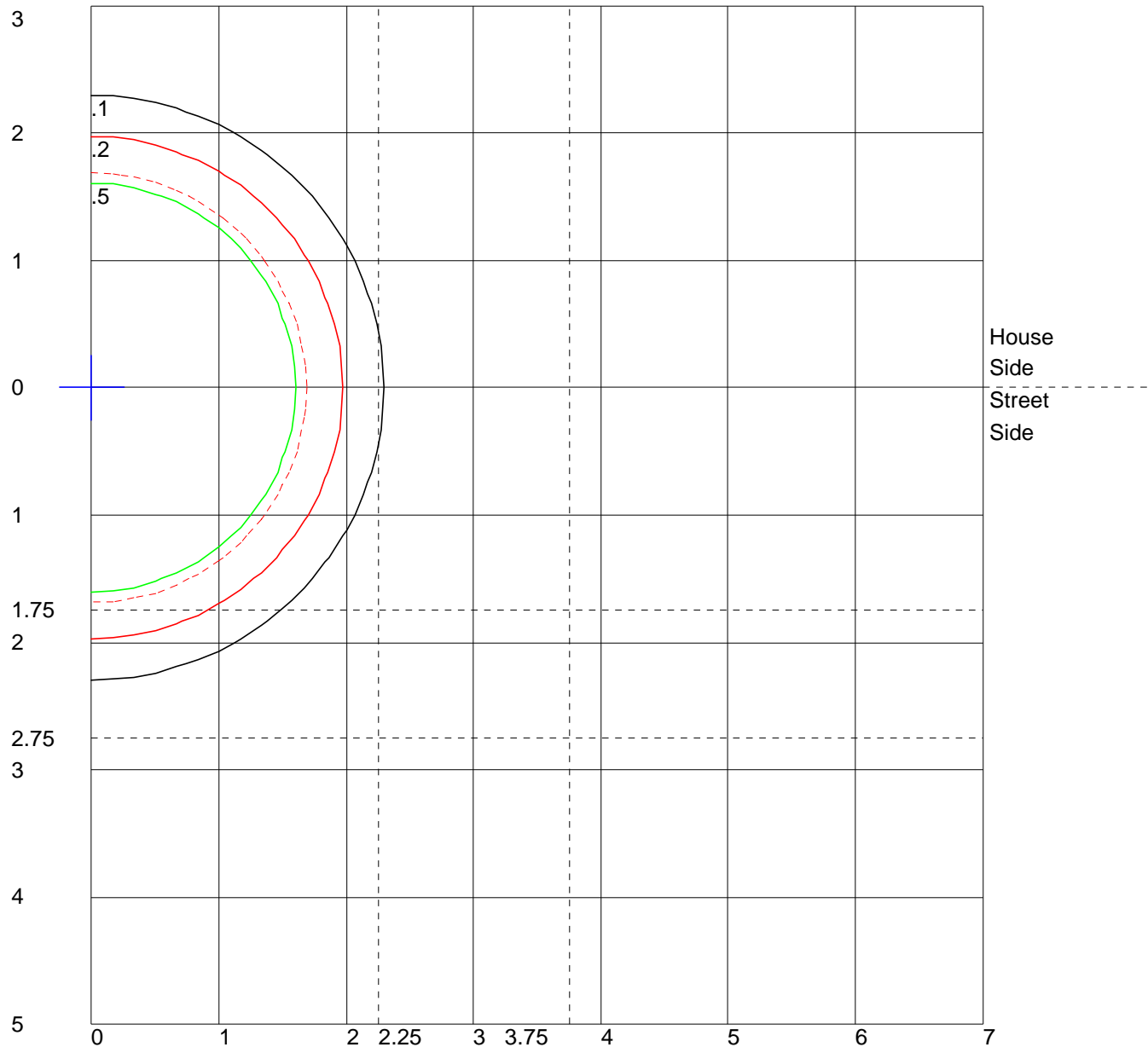
	Lumens	Percent Of Lamp
Downward Street Side	2940.1	34.6
Downward House Side	2940.1	34.6
Downward Total	5880.2	69.2
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5880.2	69.2

POLAR GRAPH



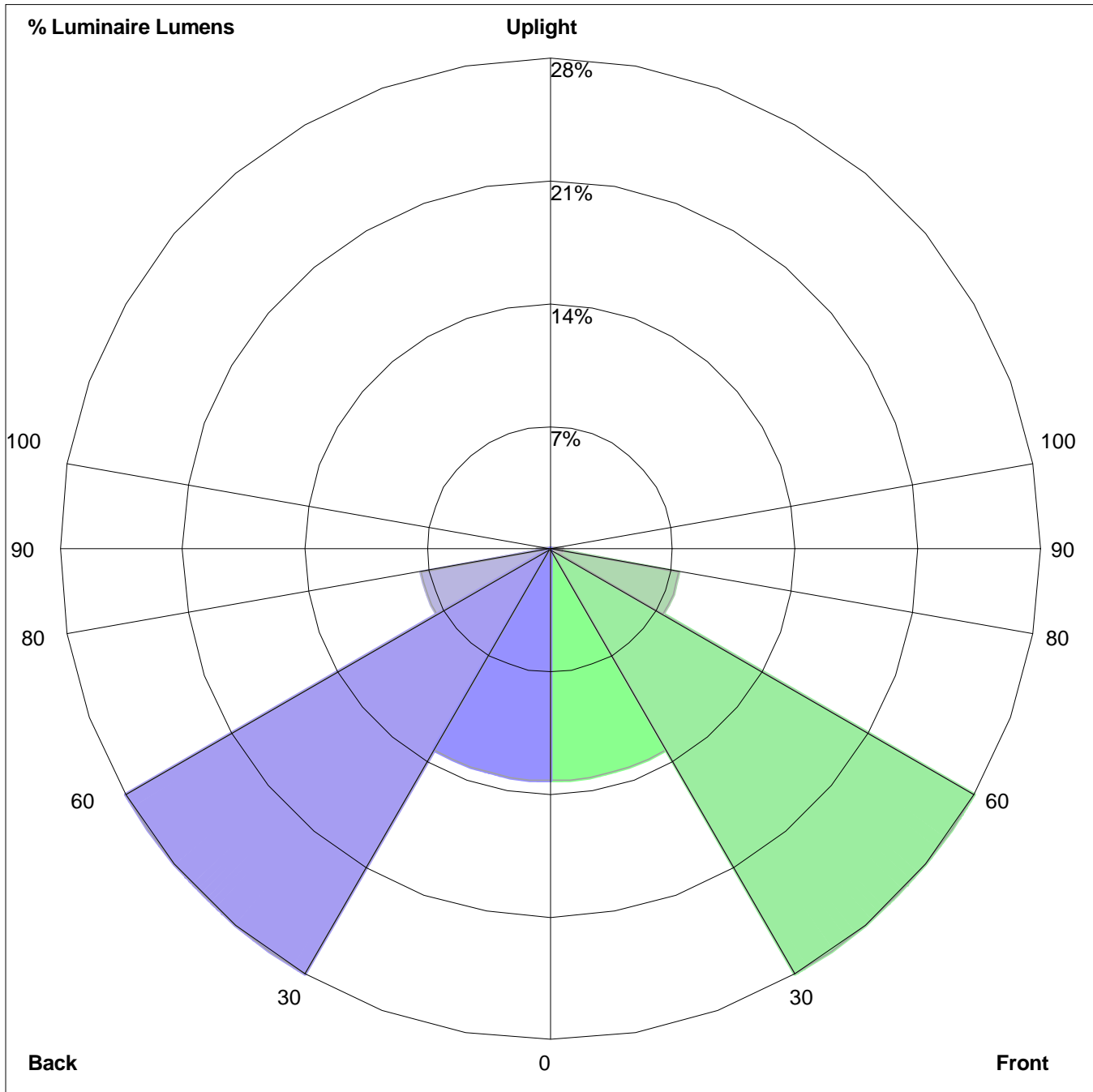
Maximum Candela = 1964 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 18 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Percent Luminaire Lumens:
 Front: Low=13.4%, Medium=28.3%, High=7.6%, Very High=0.7%
 Back: Low=13.4%, Medium=28.3%, High=7.6%, Very High=0.7%
 Uplight: Low=0.0%, High=0.0%

BUG Rating : B2-U0-G1