

Photometric Test Report

IES ROAD REPORT

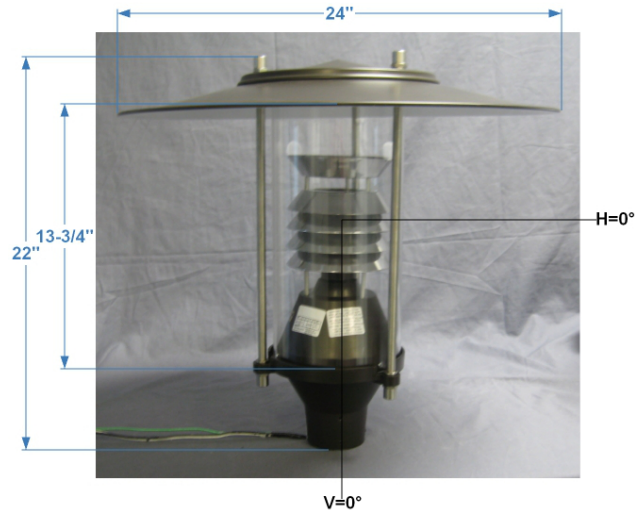
PHOTOMETRIC FILENAME : L02130802.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L02130802
[TESTLAB] LIGHT LABORATORY, INC.
[ISSUEDATE] 2/18/2013
[MANUFAC] HI-LITE MFG
[LUMCAT] H-92724
[LUMINAIRE] 24" DIA. X 22"H. POST TOP
[MORE] 150W METAL HALIDE, RIBBED GLASS
[BALLASTCAT] PHILIPS ADVANCE HX-HPP AUTOTRANSFORMER BALLAST 71A5492
[BALLAST] 150W M102/M142 METAL HALIDE, INPUT: 120-277VAC 60HZ
[LAMPPOSITION] 0,0
[LAMPCAT] PREMIER 2M150HC
[LAMPLUM] 13500
[INPUT] 120VAC, 184.81W

CHARACTERISTICS

IES Classification	Type V
Longitudinal Classification	Short
Lumens Per Lamp	13500 (1 lamp)
Total Lamp Lumens	13500
Luminaire Lumens	5329
Downward Total Efficiency	35 %
Total Luminaire Efficiency	39 %
Luminaire Efficacy Rating (LER)	29
Total Luminaire Watts	184.81
Ballast Factor	1.00
Upward Waste Light Ratio	0.12
Maximum Candela	1152
Maximum Candela Angle	0H 45V
Maximum Candela (<90 Degrees Vertical)	1152
Maximum Candela Angle (<90 Degrees Vertical)	0H 45V
Maximum Candela At 90 Degrees Vertical	342 (2.5% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	521 (3.9% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff



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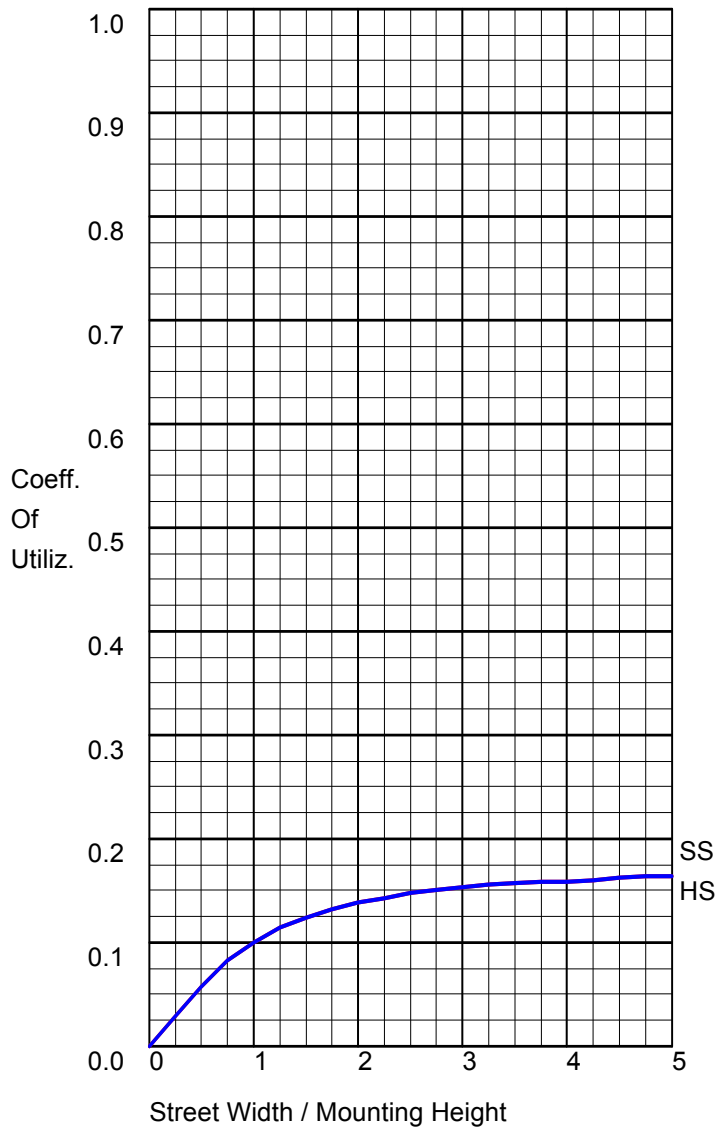
LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	321.0	2.4	6.0
FM - Front-Medium (30-60)	1051.5	7.8	19.7
FH - Front-High (60-80)	775.7	5.7	14.6
FVH - Front-Very High (80-90)	205.5	1.5	3.9
BL - Back-Low (0-30)	321.0	2.4	6.0
BM - Back-Medium (30-60)	1051.5	7.8	19.7
BH - Back-High (60-80)	775.7	5.7	14.6
BVH - Back-Very High (80-90)	205.5	1.5	3.9
UL - Uplight-Low (90-100)	330.2	2.4	6.2
UH - Uplight-High (100-180)	291.8	2.2	5.5
Total	5329.4	39.4	100.0
BUG Rating	B2-U3-G2		

CANDELA TABULATION

Vert. Angles	Horizontal Angles
	<u>0</u>
0.0	395
5.0	385
15.0	720
25.0	899
35.0	849
45.0	1152
55.0	733
60.0	799
62.5	907
65.0	901
67.5	862
70.0	824
72.5	731
75.0	627
77.5	574
80.0	521
82.5	408
85.0	338
87.5	330
90.0	342
95.0	314
105.0	165
115.0	57
125.0	23
135.0	12
145.0	9
155.0	9
165.0	9
175.0	0
180.0	0

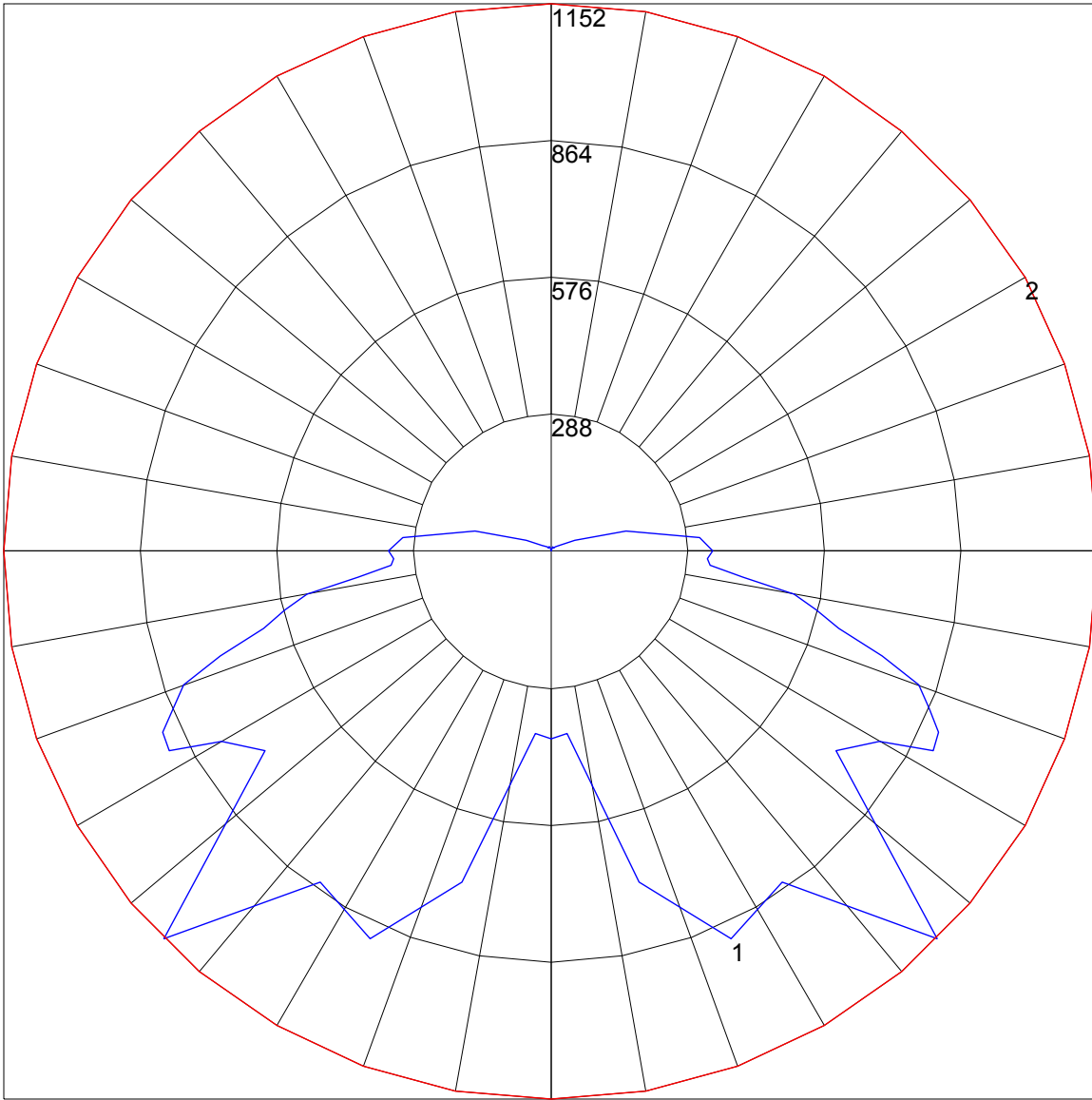
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

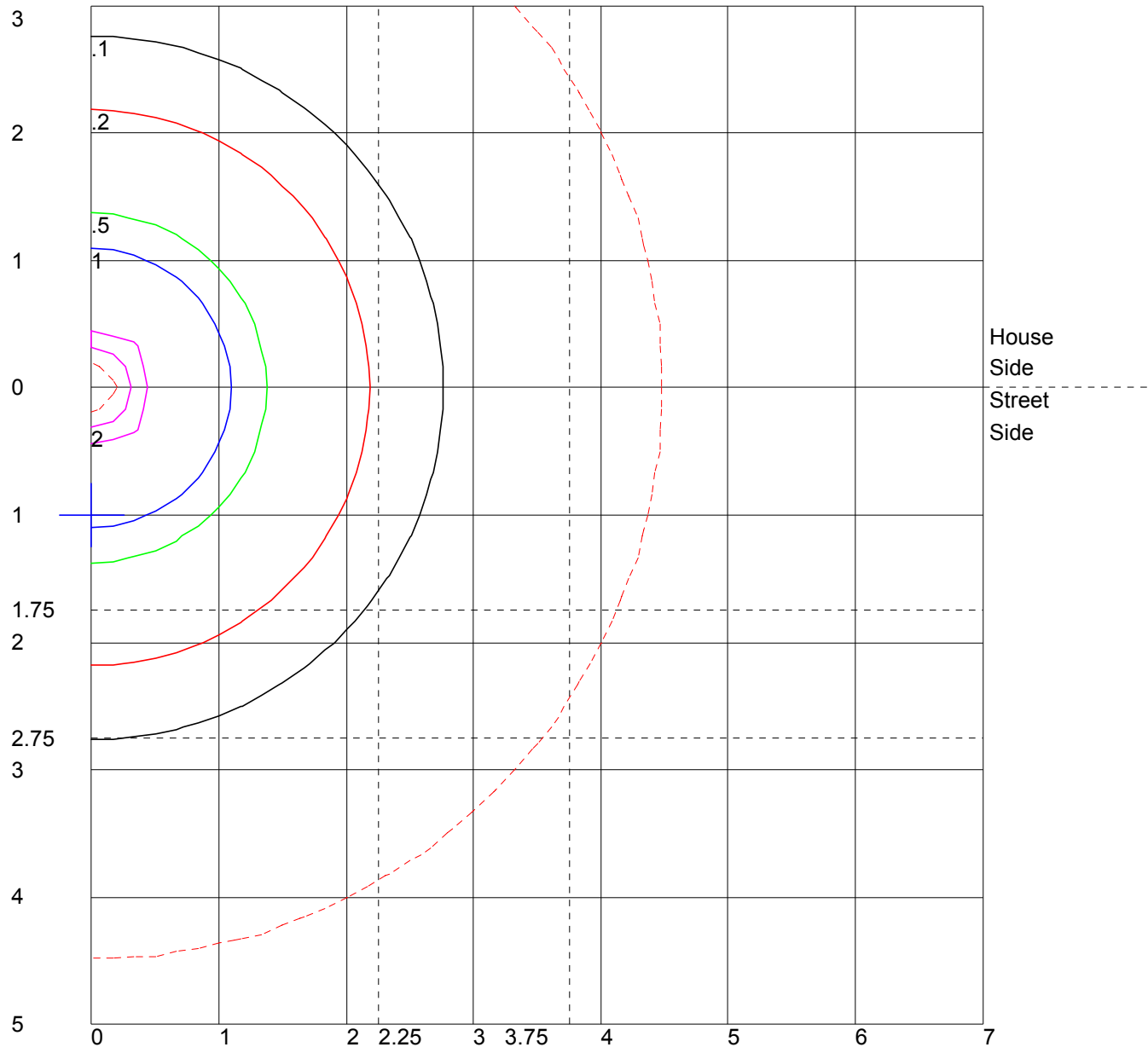
	Lumens	Percent Of Lamp
Downward Street Side	2353.9	17.4
Downward House Side	2353.9	17.4
Downward Total	4707.8	34.9
Upward Street Side	310.7	2.3
Upward House Side	310.7	2.3
Upward Total	621.4	4.6
Total Flux	5329.2	39.5

POLAR GRAPH



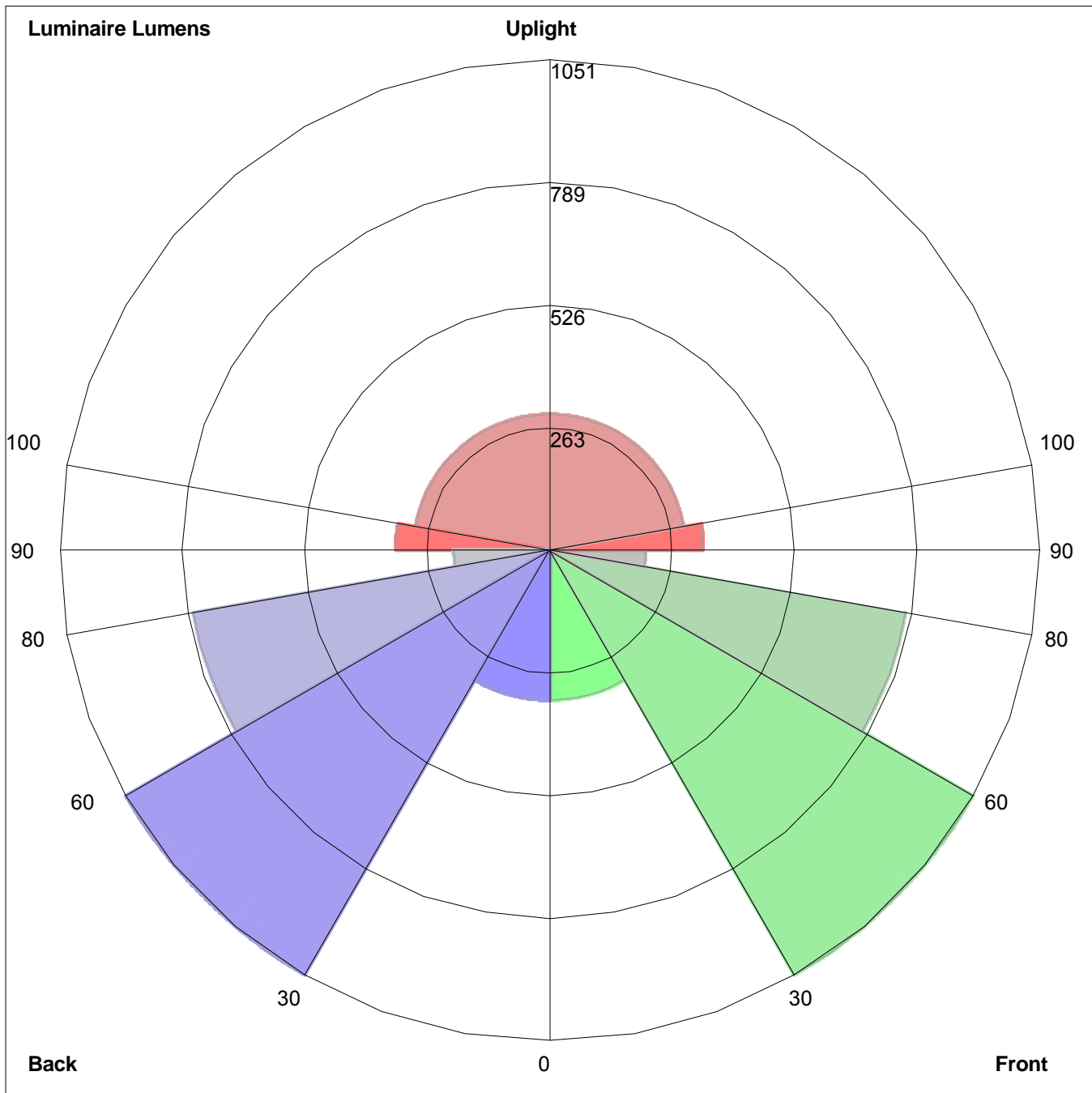
Maximum Candela = 1152 Located At Horizontal Angle = 0, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

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



Luminaire Lumens:
Front: Low=321.0, Medium=1051.5, High=775.7, Very High=205.5
Back: Low=321.0, Medium=1051.5, High=775.7, Very High=205.5
Uplight: Low=330.2, High=291.8

BUG Rating : B2-U3-G2