



IES ROAD REPORT

PHOTOMETRIC FILENAME : 4452-20L-40-T2.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L032311702
 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
 [ISSUE DATE] 5/8/2023
 [MANUFAC] Rebelle Architectural Lighting
 [LUMCAT] 4452
 [LUMINAIRE] Bollard with type 2
 [BALLASTCAT] THOMAS RESEARCH PRODUCT LED25W-40-C0500-D
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 120VAC
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

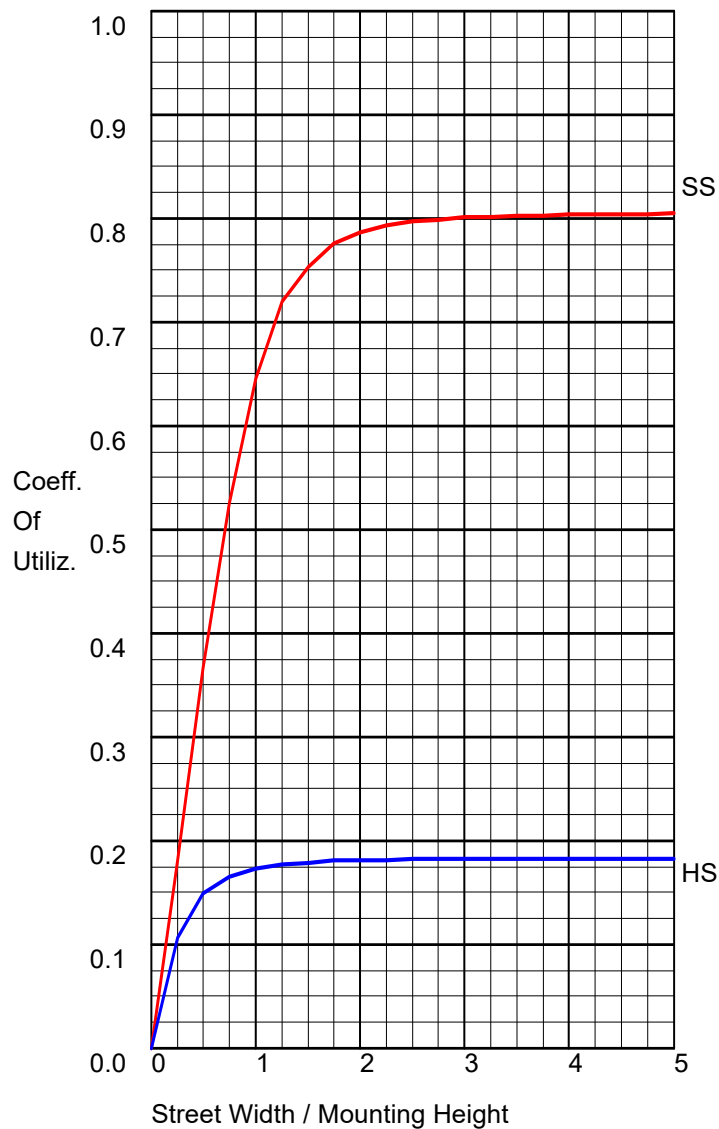
IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2067
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	19.84
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	1346
Maximum Candela Angle	70H 65V
Maximum Candela (<90 Degrees Vertical)	1346
Maximum Candela Angle (<90 Degrees Vertical)	70H 65V
Maximum Candela At 90 Degrees Vertical	6 (0.3% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	75 (3.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	322.5	N.A.	15.6
FM - Front-Medium (30-60)	922.8	N.A.	44.6
FH - Front-High (60-80)	414.3	N.A.	20.0
FVH - Front-Very High (80-90)	6.8	N.A.	0.3
BL - Back-Low (0-30)	63.2	N.A.	3.1
BM - Back-Medium (30-60)	168.6	N.A.	8.2
BH - Back-High (60-80)	143.9	N.A.	7.0
BVH - Back-Very High (80-90)	3.8	N.A.	0.2
UL - Uplight-Low (90-100)	4.4	N.A.	0.2
UH - Uplight-High (100-180)	16.6	N.A.	0.8
Total	2066.9	N.A.	100.0
BUG Rating	B1-U2-G1		

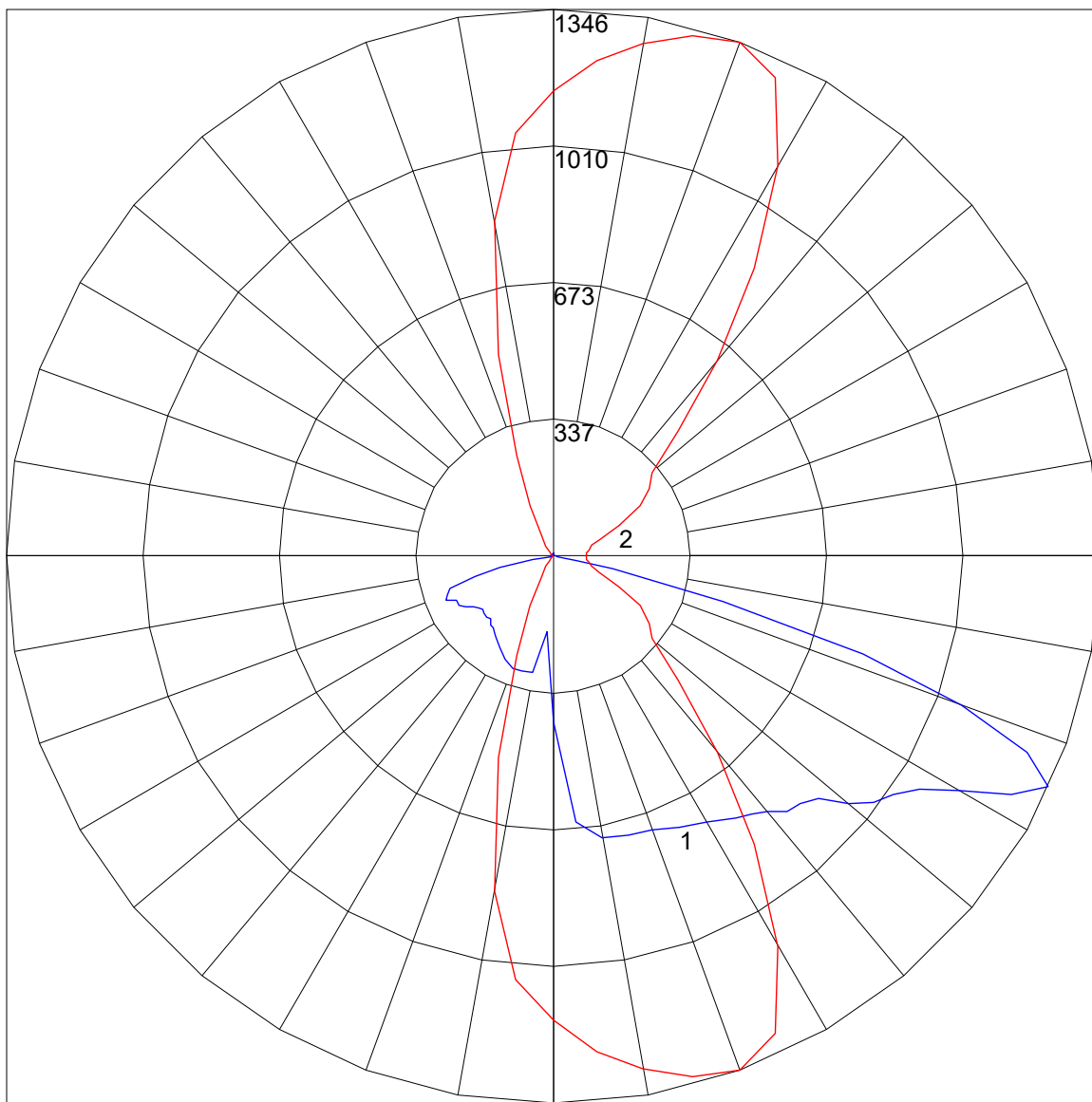
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

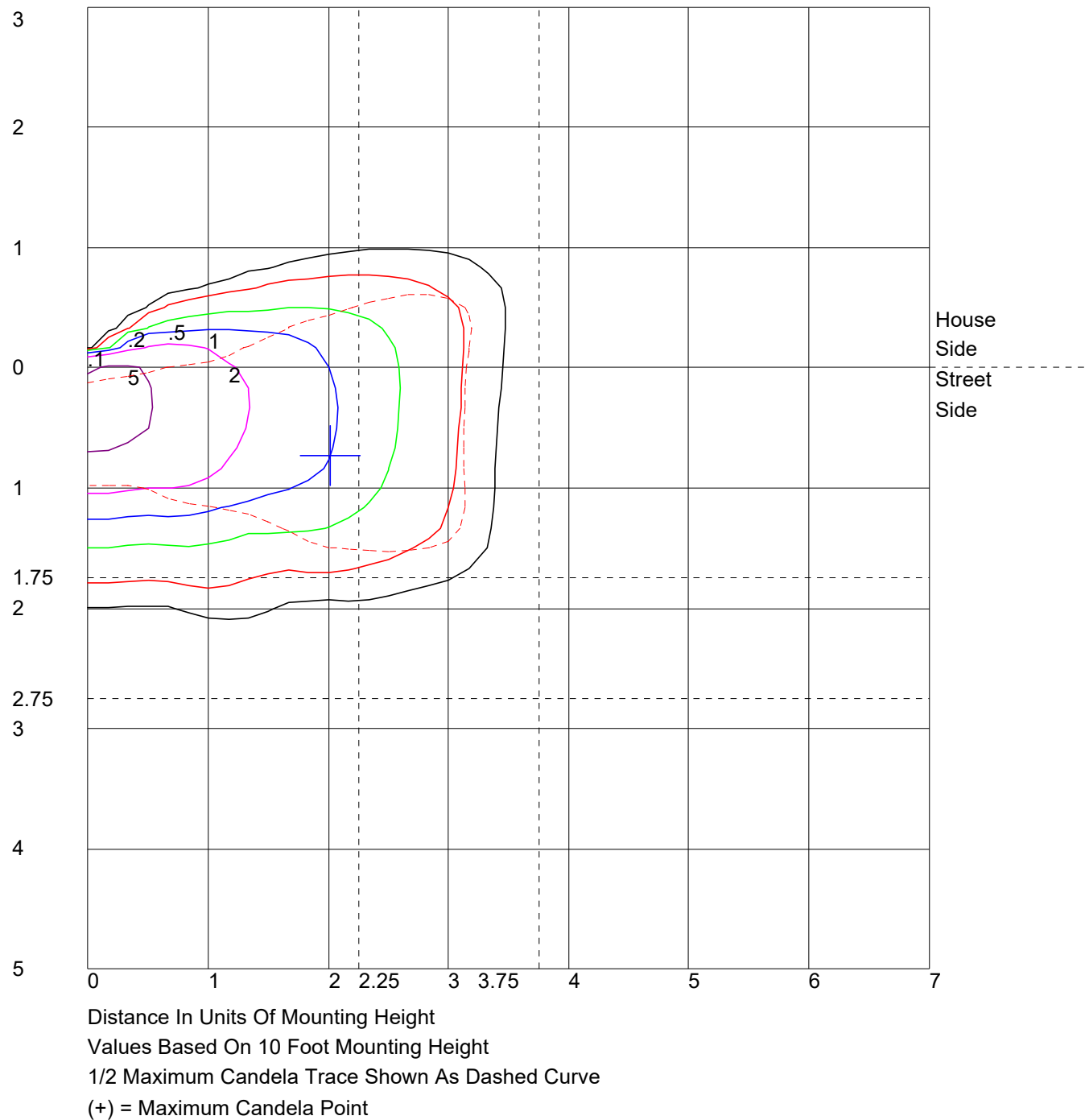
	Lumens	Percent Of Luminaire
Downward Street Side	1666.5	80.6
Downward House Side	379.5	18.4
Downward Total	2046.0	99.0
Upward Street Side	7.7	0.4
Upward House Side	13.2	0.6
Upward Total	20.9	1.0
Total Flux	2066.9	100.0

POLAR GRAPH

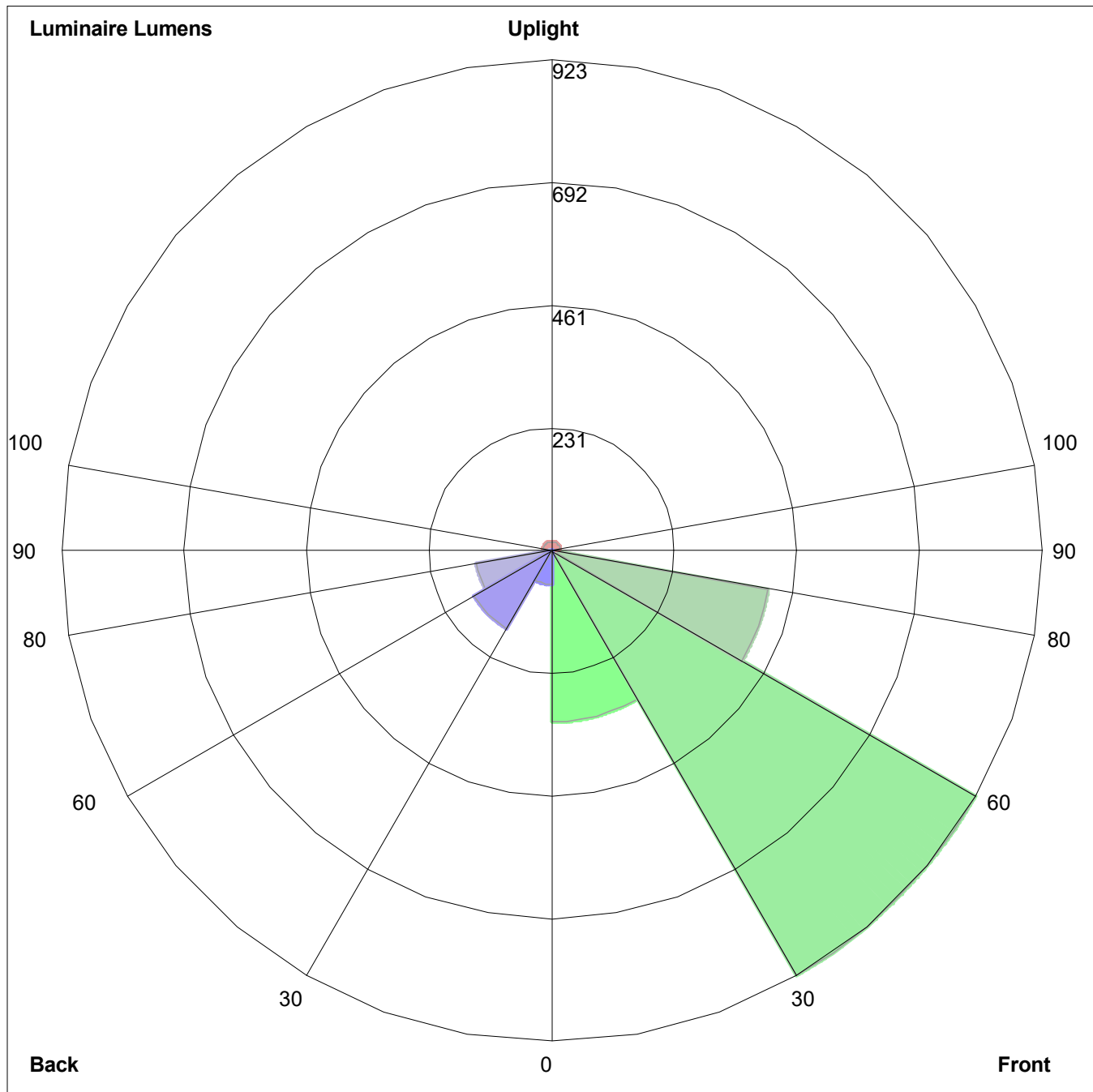


Maximum Candela = 1346 Located At Horizontal Angle = 70, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (70 - 250) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=322.5, Medium=922.8, High=414.3, Very High=6.8
Back: Low=63.2, Medium=168.6, High=143.9, Very High=3.8
Uplight: Low=4.4, High=16.6

BUG Rating : B1-U2-G1