



## IES ROAD REPORT

PHOTOMETRIC FILENAME : 4451-20L-40.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] L032311701  
 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)  
 [ISSUE DATE] 5/8/2023  
 [MANUFAC] Rebelle Architectural Lighting  
 [LUMCAT] 4451  
 [LUMINAIRE] Bollard  
 [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

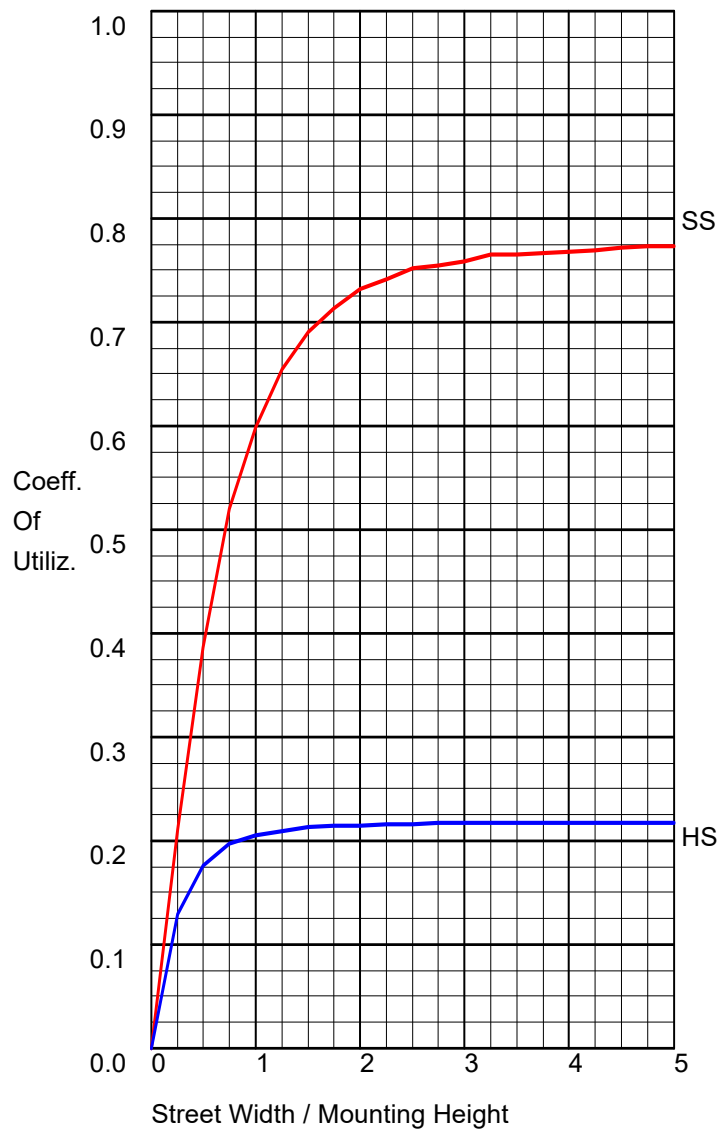
IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1205
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	20.13
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	756
Maximum Candela Angle	15H 5V
Maximum Candela (<90 Degrees Vertical)	756
Maximum Candela Angle (<90 Degrees Vertical)	15H 5V
Maximum Candela At 90 Degrees Vertical	7 (0.6% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	41 (3.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	279.4	N.A.	23.2
FM - Front-Medium (30-60)	496.9	N.A.	41.2
FH - Front-High (60-80)	151.4	N.A.	12.6
FVH - Front-Very High (80-90)	8.7	N.A.	0.7
BL - Back-Low (0-30)	75.1	N.A.	6.2
BM - Back-Medium (30-60)	140.2	N.A.	11.6
BH - Back-High (60-80)	45.0	N.A.	3.7
BVH - Back-Very High (80-90)	3.0	N.A.	0.2
UL - Uplight-Low (90-100)	3.0	N.A.	0.2
UH - Uplight-High (100-180)	2.6	N.A.	0.2
Total	1205.3	N.A.	100.0
BUG Rating	B0-U1-G0		

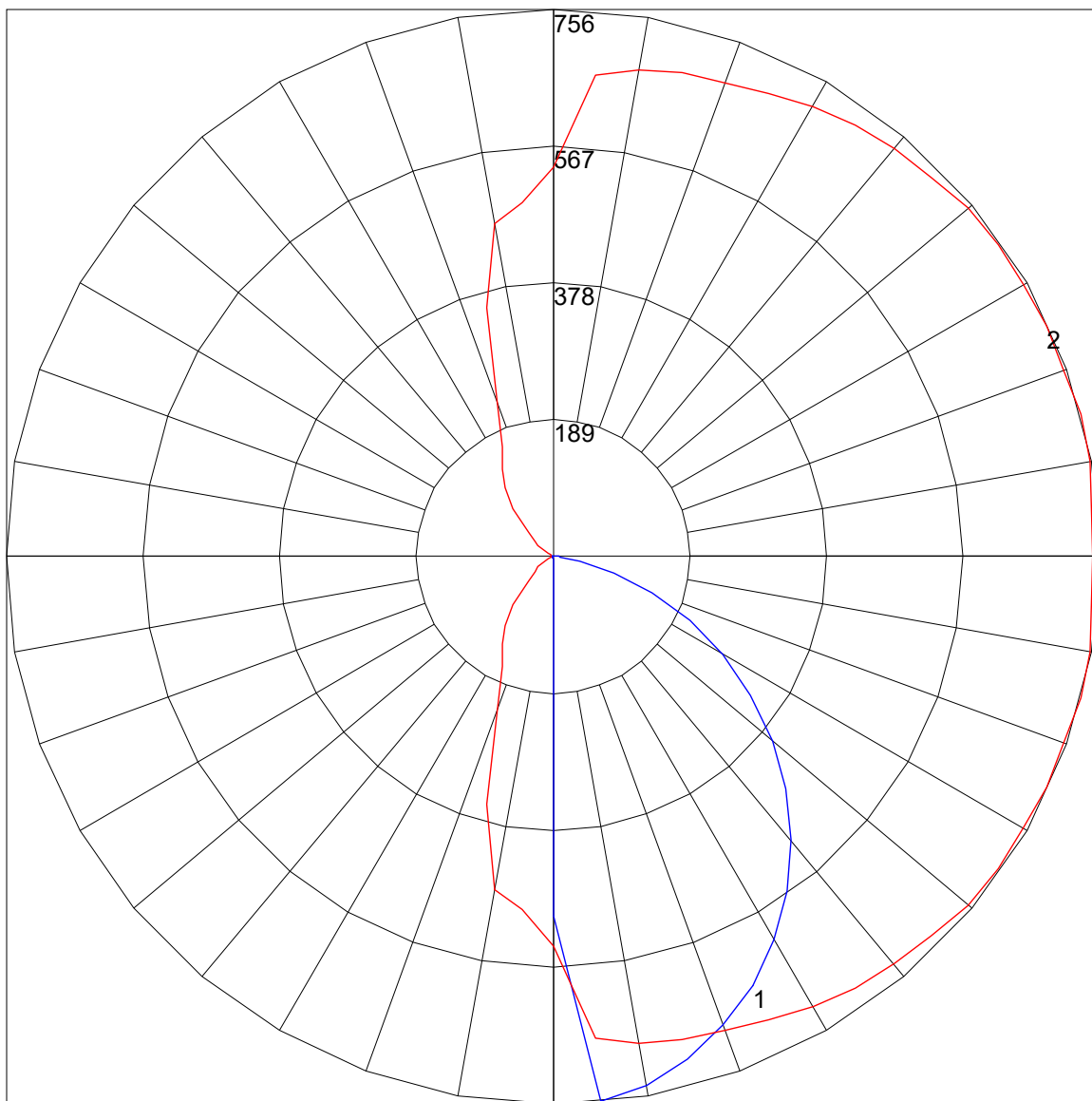
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

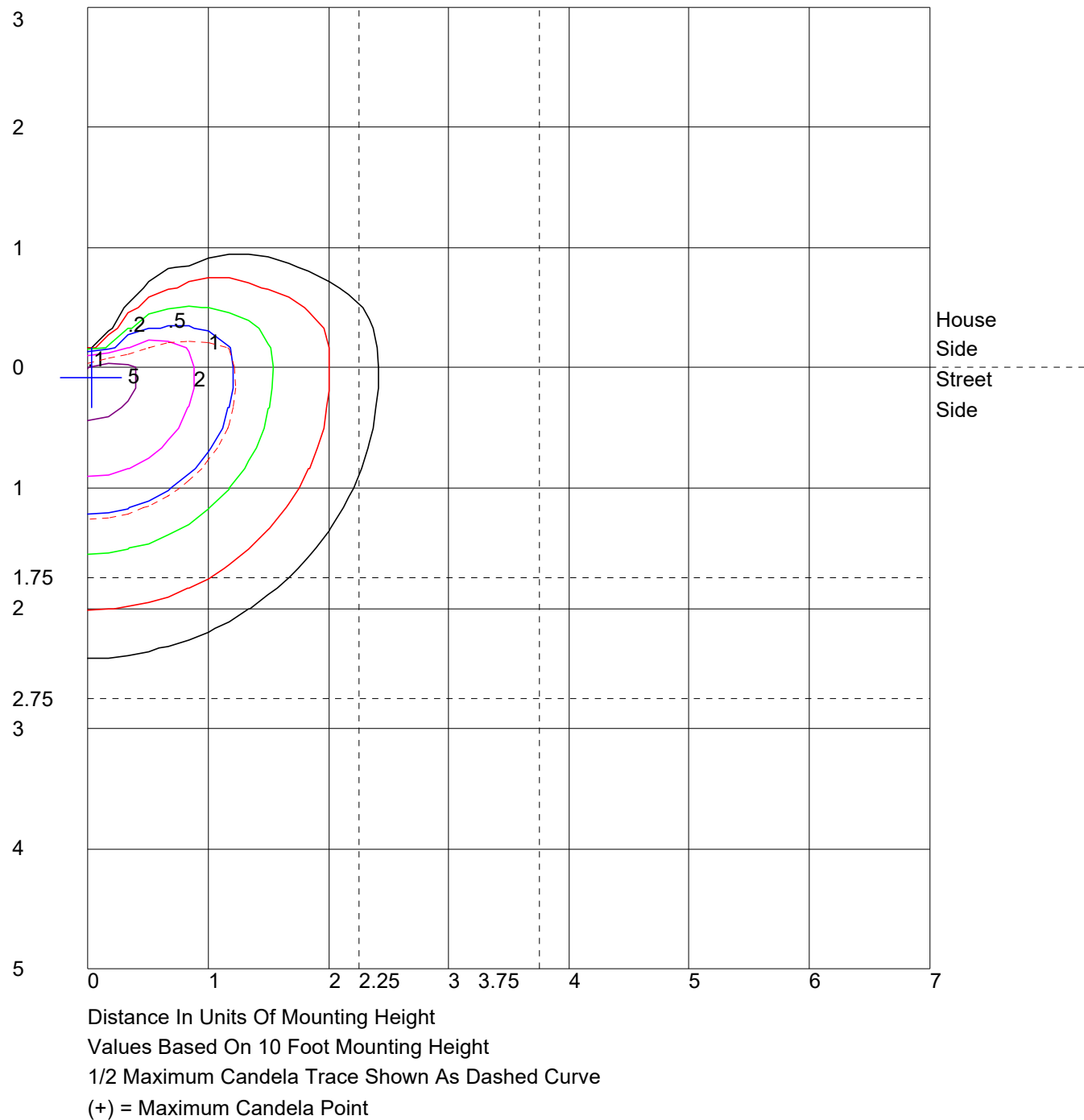
	Lumens	Percent Of Luminaire
Downward Street Side	936.4	77.7
Downward House Side	263.3	21.8
Downward Total	1199.7	99.5
Upward Street Side	3.1	0.3
Upward House Side	2.4	0.2
Upward Total	5.5	0.5
Total Flux	1205.2	100.0

POLAR GRAPH

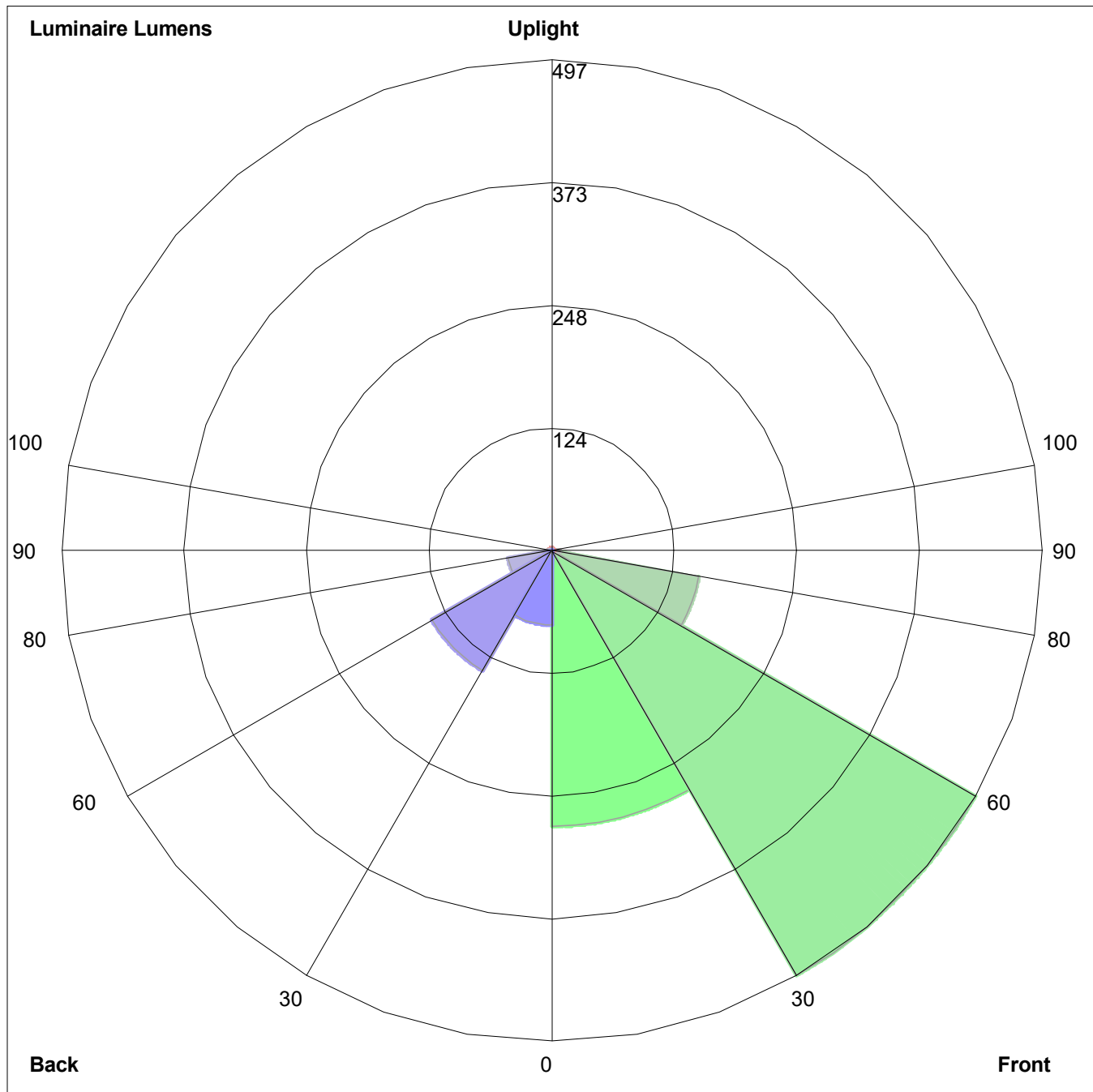


Maximum Candela = 756 Located At Horizontal Angle = 15, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (15 - 195) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=279.4, Medium=496.9, High=151.4, Very High=8.7  
Back: Low=75.1, Medium=140.2, High=45.0, Very High=3.0  
Uplight: Low=3.0, High=2.6

BUG Rating : B0-U1-G0