



## IES ROAD REPORT

PHOTOMETRIC FILENAME : 4452-14L-40-T2.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LIGHT LABORATORY, INC. (www.lightlaboratory.com)  
[TESTLAB] Scaled from L032311702 LIGHT LABORATORY, INC  
[TESTDATE] 5 Aug 2023  
[ISSUEDATE] 5 Aug 2023  
[MANUFAC] Rebelle Architectural Lighting  
[LUMCAT] 4452-14L-40-T2  
[LUMINAIRE] Bollard with type 2  
[FLASHAREA] 0.002740  
[LAMPCAT] 4452-14L-40-T2  
[LAMP] 4452-14L-40-T2 13.50W 1550.00lm  
[OTHER] Absolute Photometry

### CHARACTERISTICS

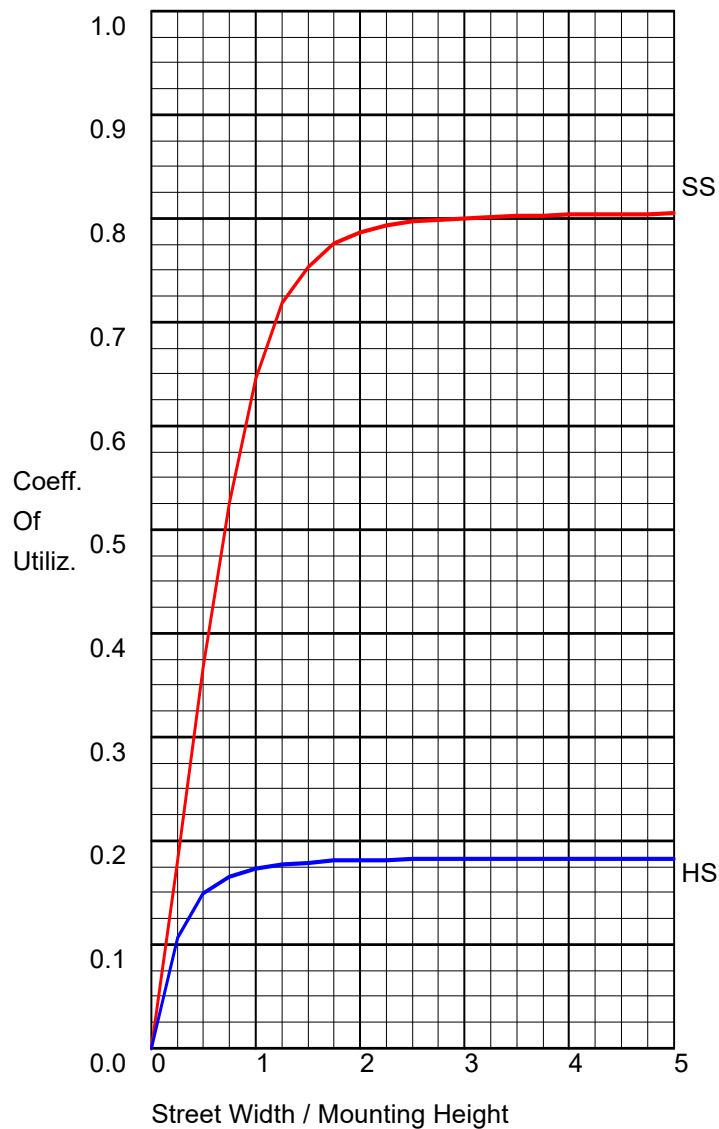
IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1550
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	13.5
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	1009.25
Maximum Candela Angle	70H 65V
Maximum Candela (<90 Degrees Vertical)	1009.25
Maximum Candela Angle (<90 Degrees Vertical)	70H 65V
Maximum Candela At 90 Degrees Vertical	4.5 (0.3% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	56.23 (3.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : 4452-14L-40-T2.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	241.8	N.A.	15.6
FM - Front-Medium (30-60)	691.9	N.A.	44.6
FH - Front-High (60-80)	310.7	N.A.	20.0
FVH - Front-Very High (80-90)	5.1	N.A.	0.3
BL - Back-Low (0-30)	47.4	N.A.	3.1
BM - Back-Medium (30-60)	126.4	N.A.	8.2
BH - Back-High (60-80)	107.9	N.A.	7.0
BVH - Back-Very High (80-90)	2.9	N.A.	0.2
UL - Uplight-Low (90-100)	3.3	N.A.	0.2
UH - Uplight-High (100-180)	12.5	N.A.	0.8
Total	1549.9	N.A.	100.0
BUG Rating	B0-U2-G0		

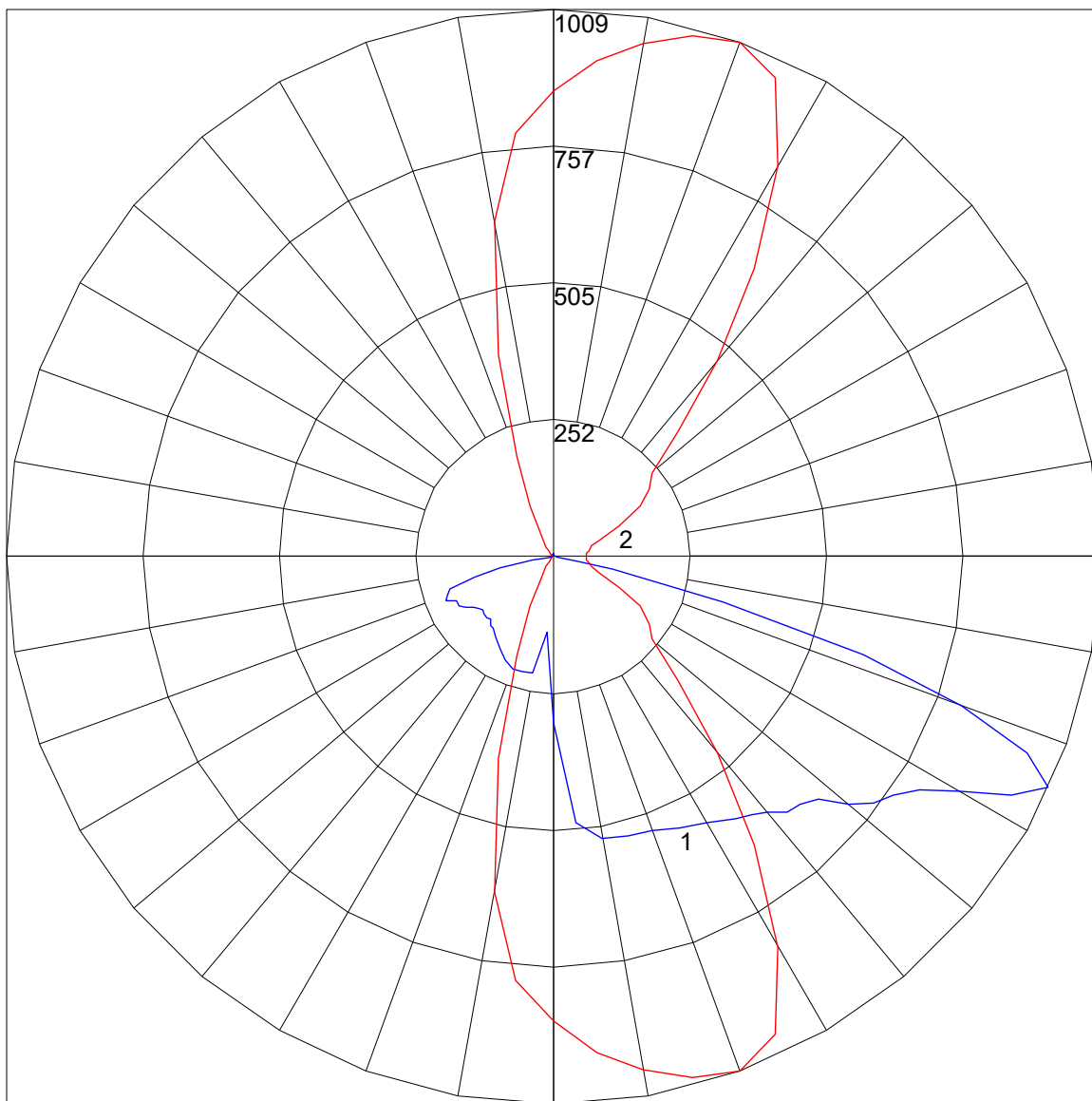
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

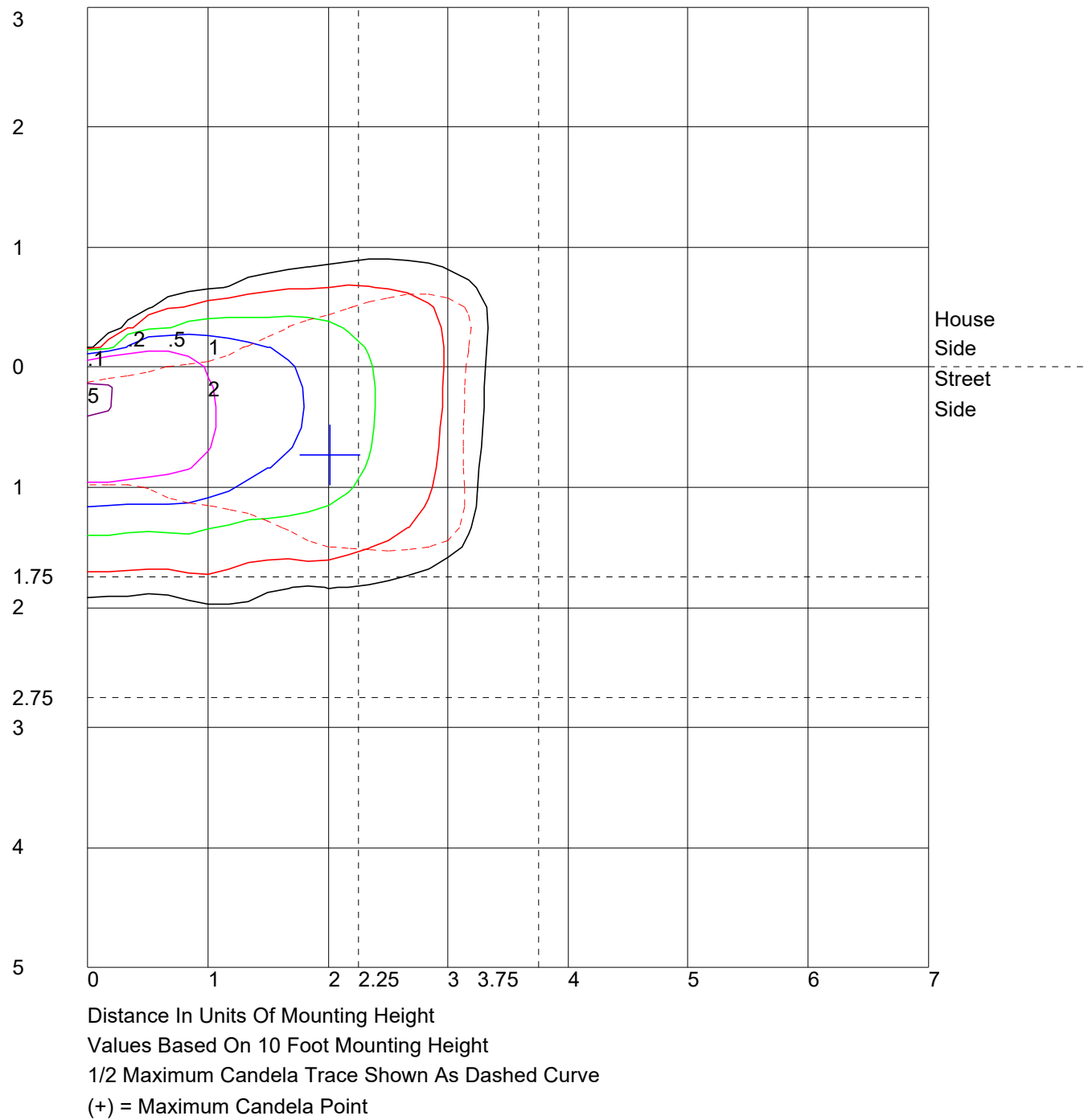
	Lumens	Percent Of Luminaire
Downward Street Side	1249.6	80.6
Downward House Side	284.5	18.4
Downward Total	1534.1	99.0
Upward Street Side	5.8	0.4
Upward House Side	9.9	0.6
Upward Total	15.7	1.0
Total Flux	1549.8	100.0

POLAR GRAPH

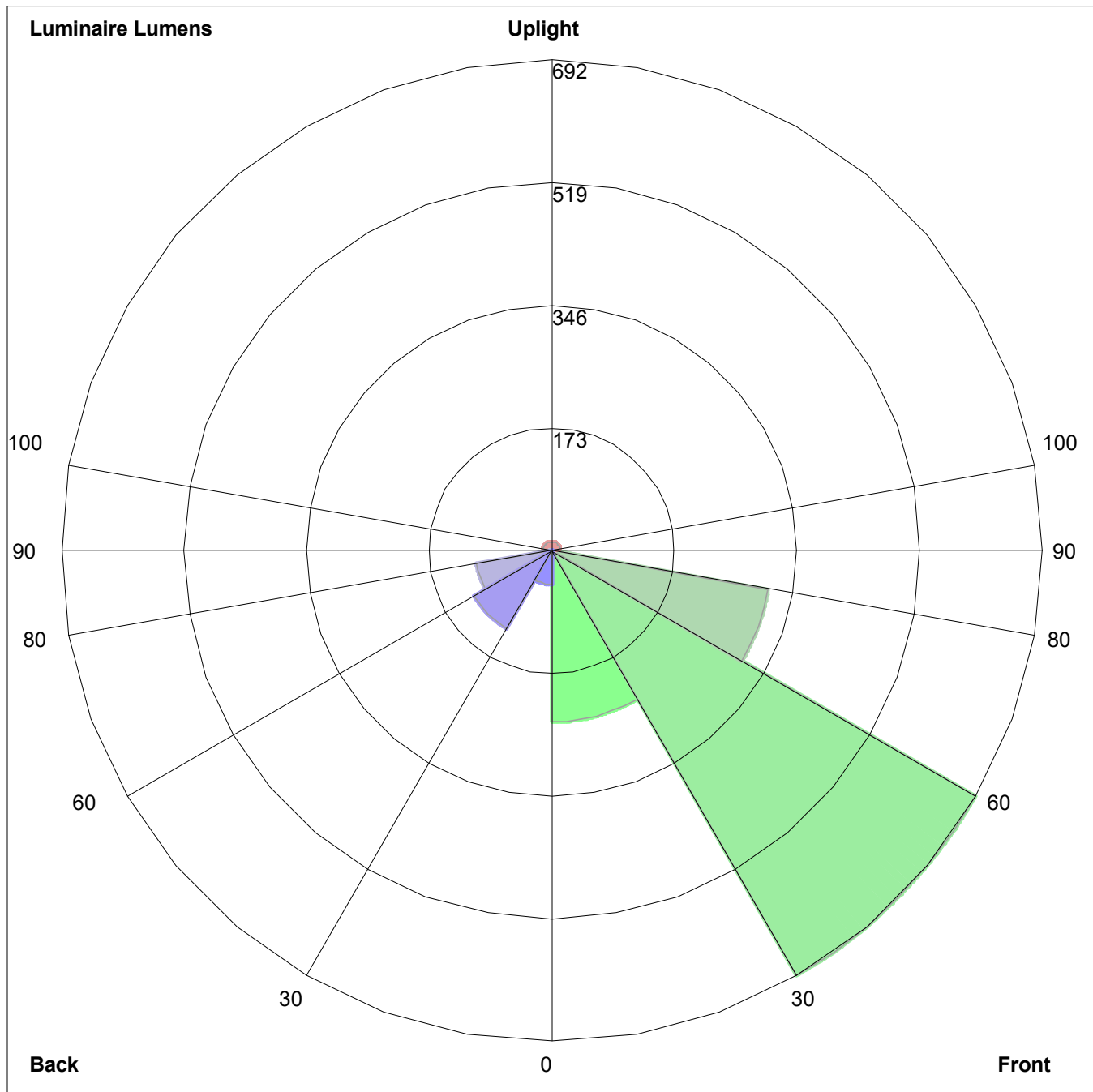


Maximum Candela = 1009.25 Located At Horizontal Angle = 70, Vertical Angle = 65  
# 1 - Vertical Plane Through Horizontal Angles (70 - 250) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=241.8, Medium=691.9, High=310.7, Very High=5.1  
Back: Low=47.4, Medium=126.4, High=107.9, Very High=2.9  
Uplight: Low=3.3, High=12.5

BUG Rating : B0-U2-G0