



IES ROAD REPORT

PHOTOMETRIC FILENAME : 4451-14L-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Scaled from L032311701 LIGHT LABORATORY, INC

[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)

[TESTDATE] 5 Aug 2023

[ISSUEDATE] 5 Aug 2023

[MANUFAC] Rebelle Architectural Lighting

[LUMCAT] 4451-14L-40

[LUMINAIRE] Bollard

[FLASHAREA] 0.002740

[LAMPCAT] 4451

[LAMP] 4451 13.50W 873.00lm

[OTHER] Absolute Photometry

CHARACTERISTICS

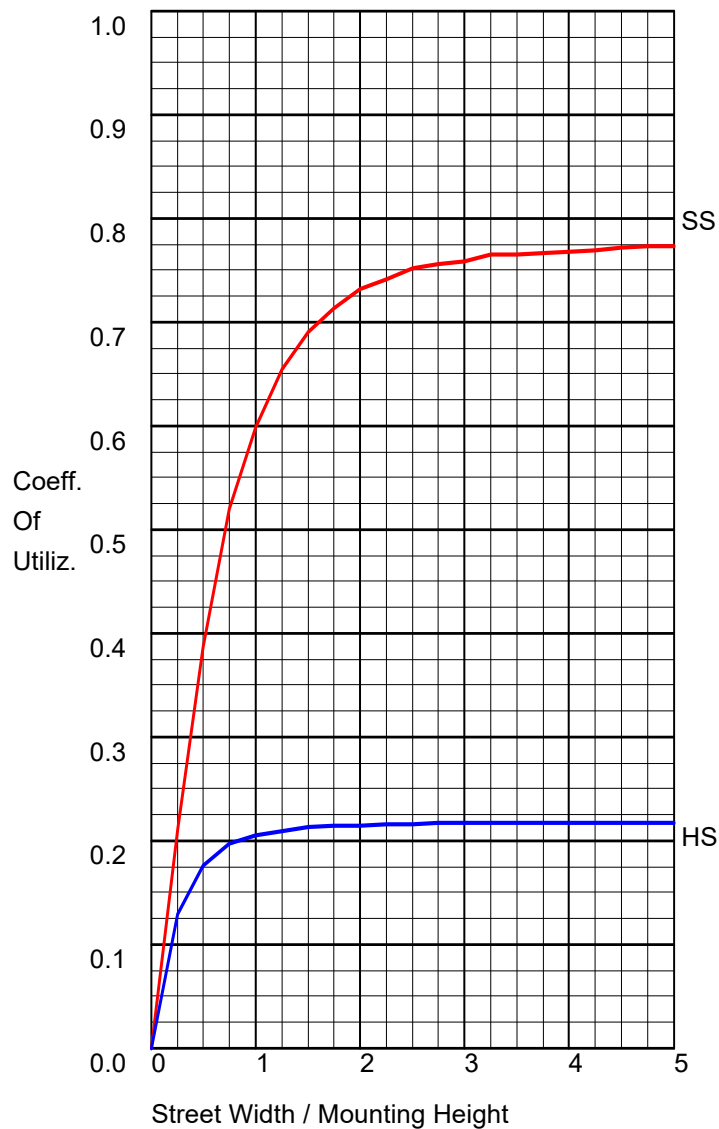
IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	874
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	13.5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	548.44
Maximum Candela Angle	15H 5V
Maximum Candela (<90 Degrees Vertical)	548.44
Maximum Candela Angle (<90 Degrees Vertical)	15H 5V
Maximum Candela At 90 Degrees Vertical	5.08 (0.6% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	29.74 (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)	202.7	N.A.	23.2
FM - Front-Medium (30-60)	360.5	N.A.	41.2
FH - Front-High (60-80)	109.9	N.A.	12.6
FVH - Front-Very High (80-90)	6.3	N.A.	0.7
BL - Back-Low (0-30)	54.5	N.A.	6.2
BM - Back-Medium (30-60)	101.7	N.A.	11.6
BH - Back-High (60-80)	32.6	N.A.	3.7
BVH - Back-Very High (80-90)	2.2	N.A.	0.2
UL - Uplight-Low (90-100)	2.2	N.A.	0.2
UH - Uplight-High (100-180)	1.9	N.A.	0.2
Total	874.5	N.A.	100.0
BUG Rating	B0-U1-G0		

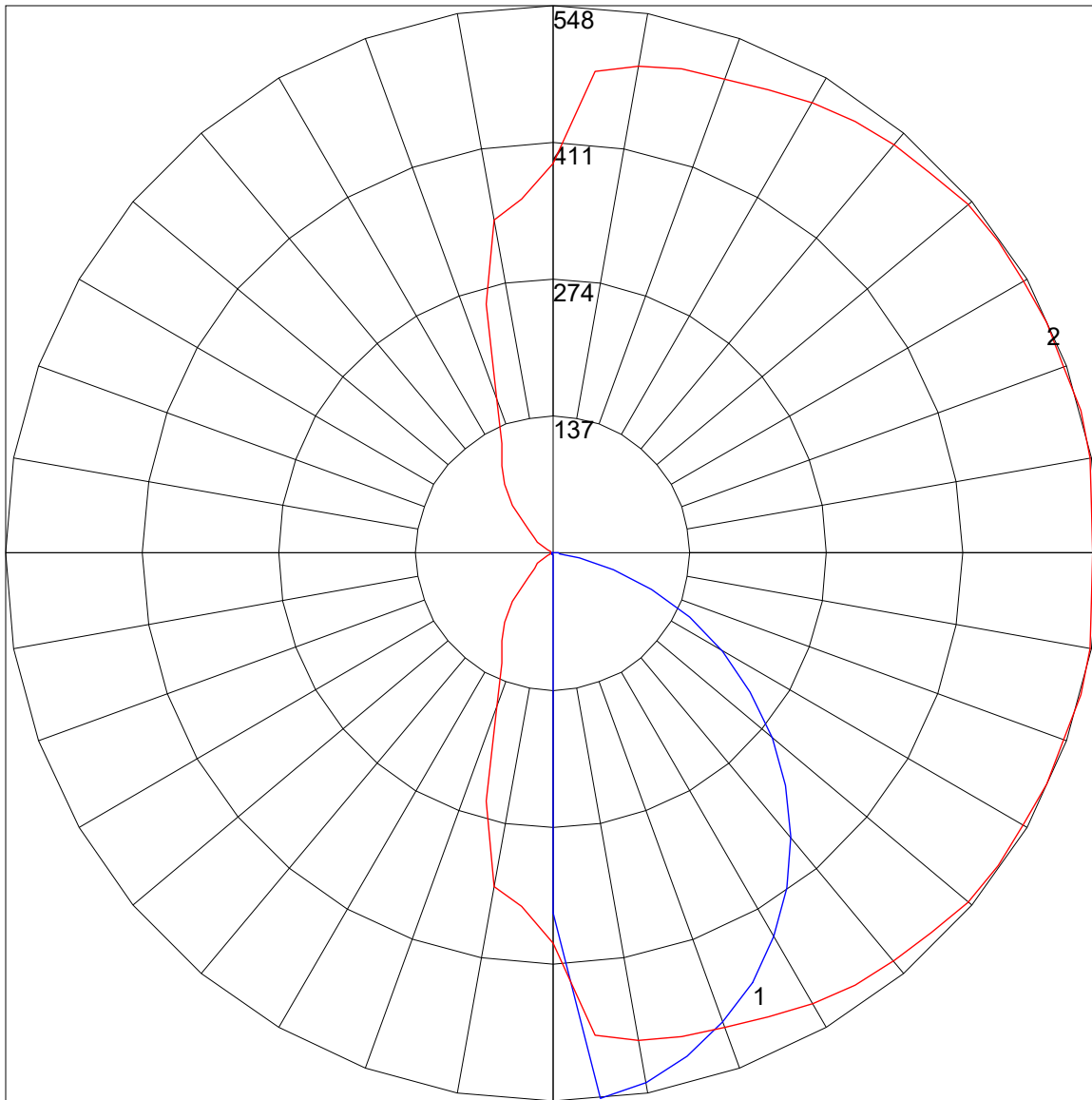
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

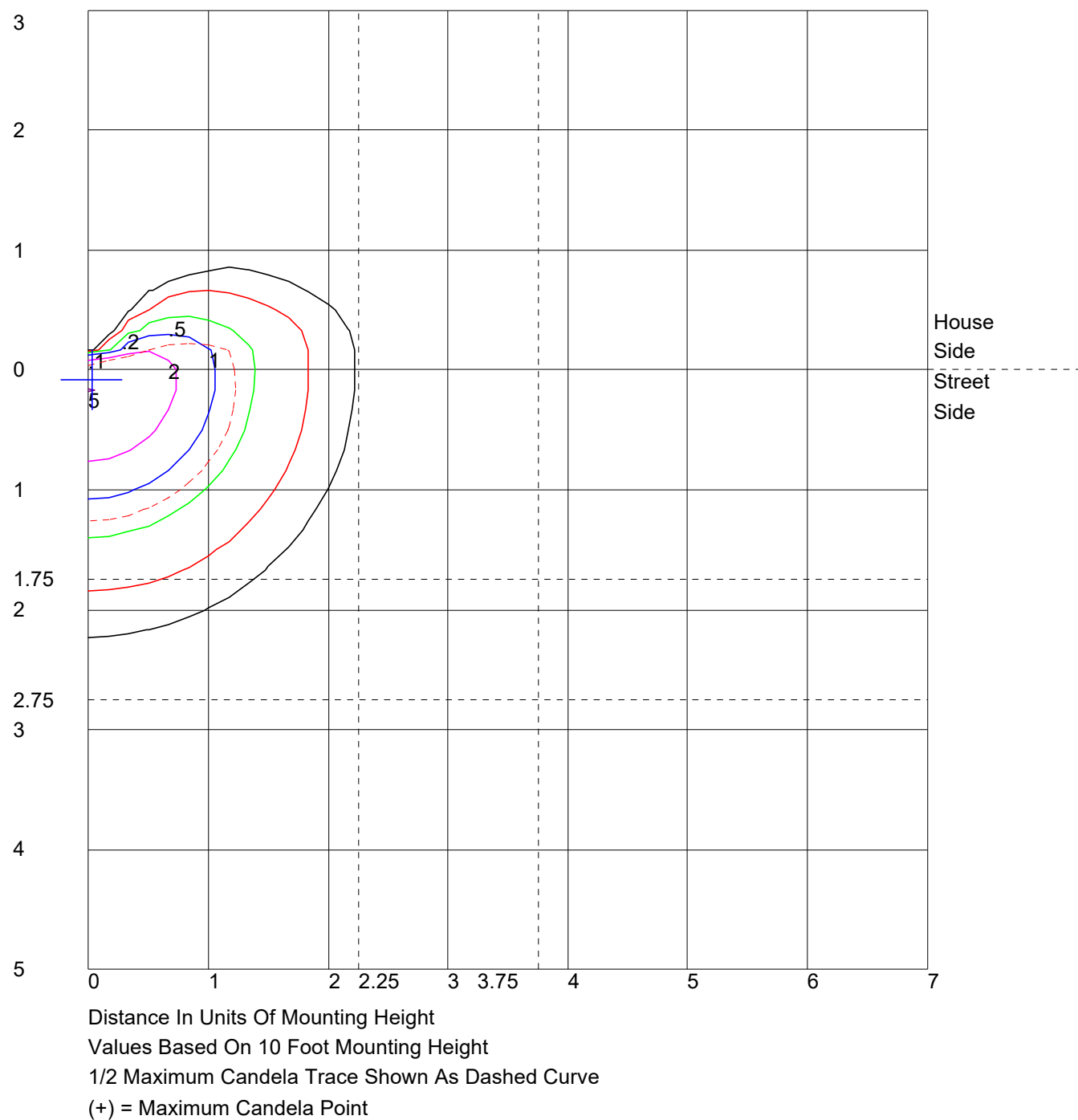
	Lumens	Percent Of Luminaire
Downward Street Side	679.3	77.7
Downward House Side	191.0	21.8
Downward Total	870.3	99.5
Upward Street Side	2.3	0.3
Upward House Side	1.7	0.2
Upward Total	4.0	0.5
Total Flux	874.3	100.0

POLAR GRAPH

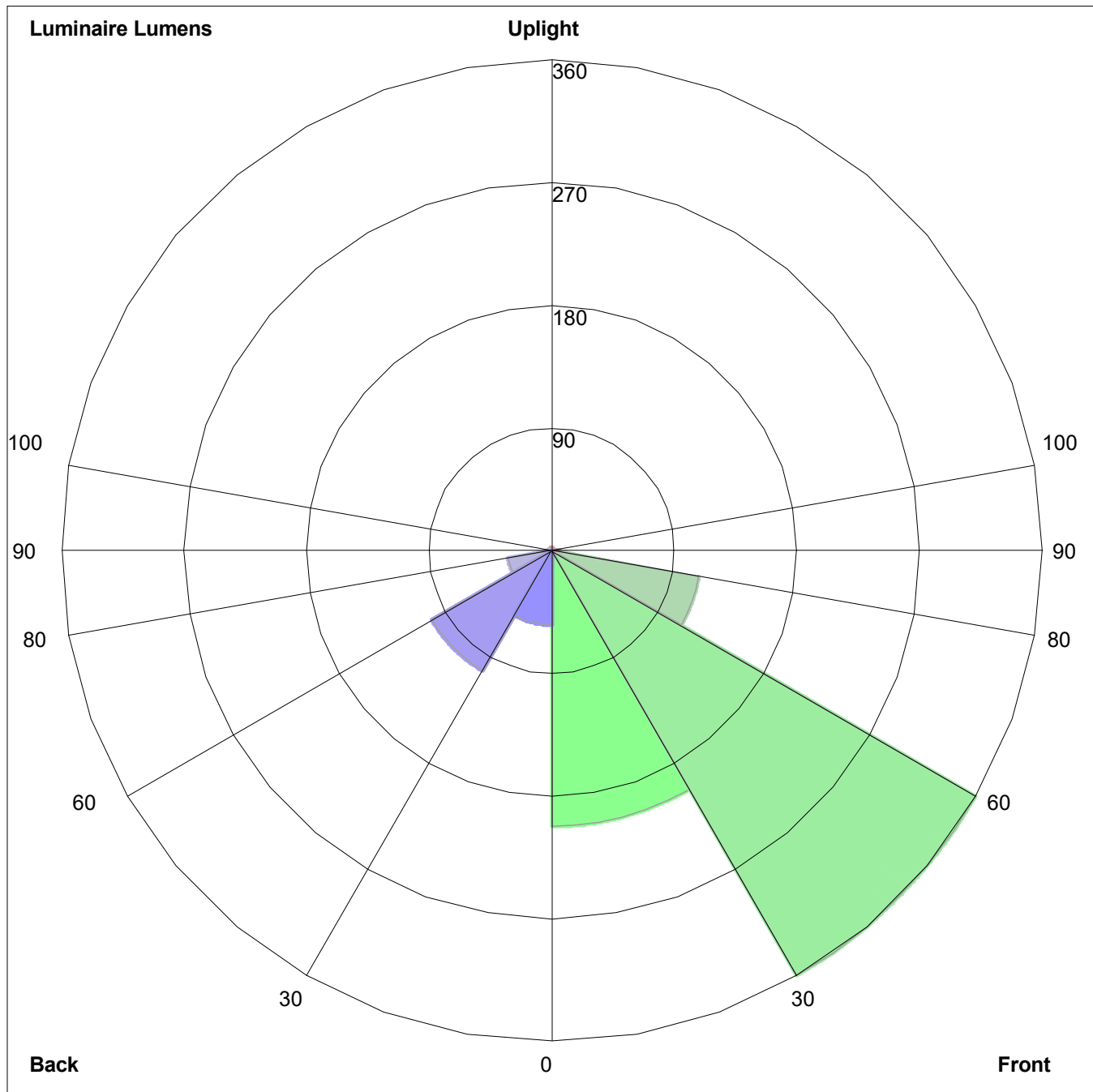


Maximum Candela = 548.44 Located At Horizontal Angle = 15, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (15 - 195) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=202.7, Medium=360.5, High=109.9, Very High=6.3
Back: Low=54.5, Medium=101.7, High=32.6, Very High=2.2
Uplight: Low=2.2, High=1.9

BUG Rating : B0-U1-G0