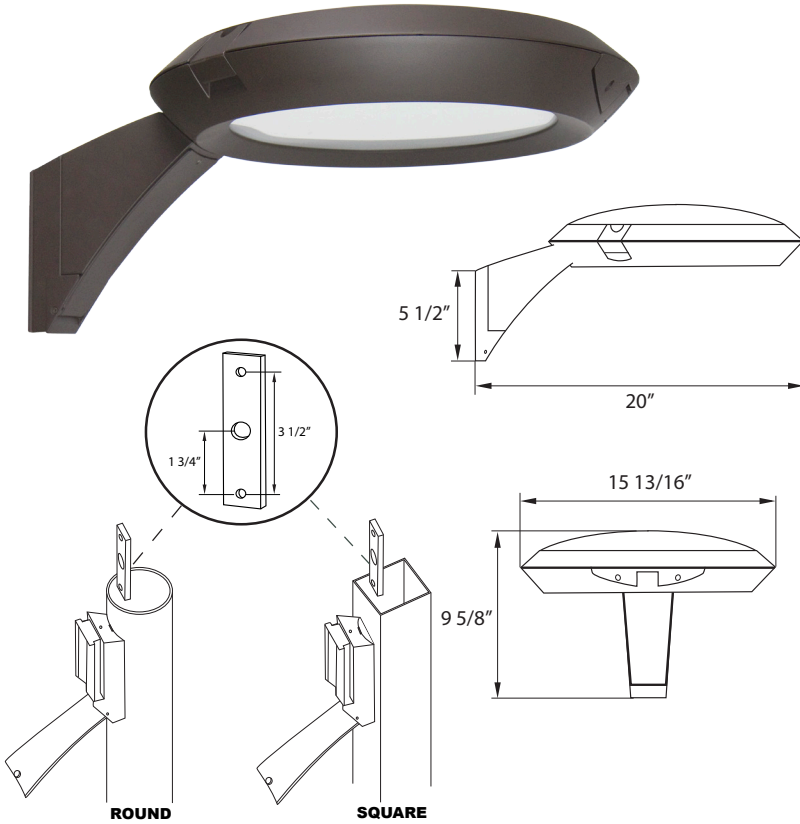


POST TOP FIXTURE C42S



Wave Lighting's commercial product line provides safety and security for all types of applications including parks, pedestrian walkways, and parking areas. Our C42S fixture is available in LED and fits on any standard 3" or 4" round commercial pole or square pole (sold separately) with hardware provided.



EPA 0.53ft²
WT 16 lbs

IES FILES AVAILABLE ONLINE
AT WAVELIGHTING.COM



HARDWARE FOR BOTH
MOUNTING TYPES INCLUDED

SPECIFICATIONS

- Cast Aluminum Housing
- Stainless Steel Bolts
- Black, White, or Bronze Finish
- Clear Glass Lens
- ETL Listed for Wet Locations

LIGHT SOURCE OPTIONS

DEDICATED LED SYSTEM - L

- 120-277V, 50/60Hz
- 150W or 250W Metal Halide Equivalent
- Estimated 50,000 Hrs L₇₀
- Max 20kA Surge Supression
- 3000K CCT 80CRI, 4000K or 5000K CCT 70CRI
- Type 5 (Standard) or Type 3 Distribution
- 0 - 10V Dimming
- 5 Year Warranty

GUIDE: C42SC-L40C-BK

CALL FOR PHOTOMETRIC INFORMATION

ITEM #	LENS	LIGHT SOURCE	COLOR	OPTIONS
C42S	GLASS C-Clear	LED LIGHT SOURCE		BK-Black BZ-Bronze WH-White
		DEDICATED LED SYSTEM L40-40W, 4000lm L60-60W, 6600lm	CCT C-4K W-3K B-5K	

IES ROAD REPORT
PHOTOMETRIC FILENAME : C42SC-L40C-BK.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB] EVERFINE
[TESTDATE] 2018-11-26
[ISSUE DATE] 2018-11-26 15:42:48
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
[MANUFAC] Eway
[LUMINAIRE] EW101-PG-80W
[LAMP] EW101-PG-80W

CHARACTERISTICS

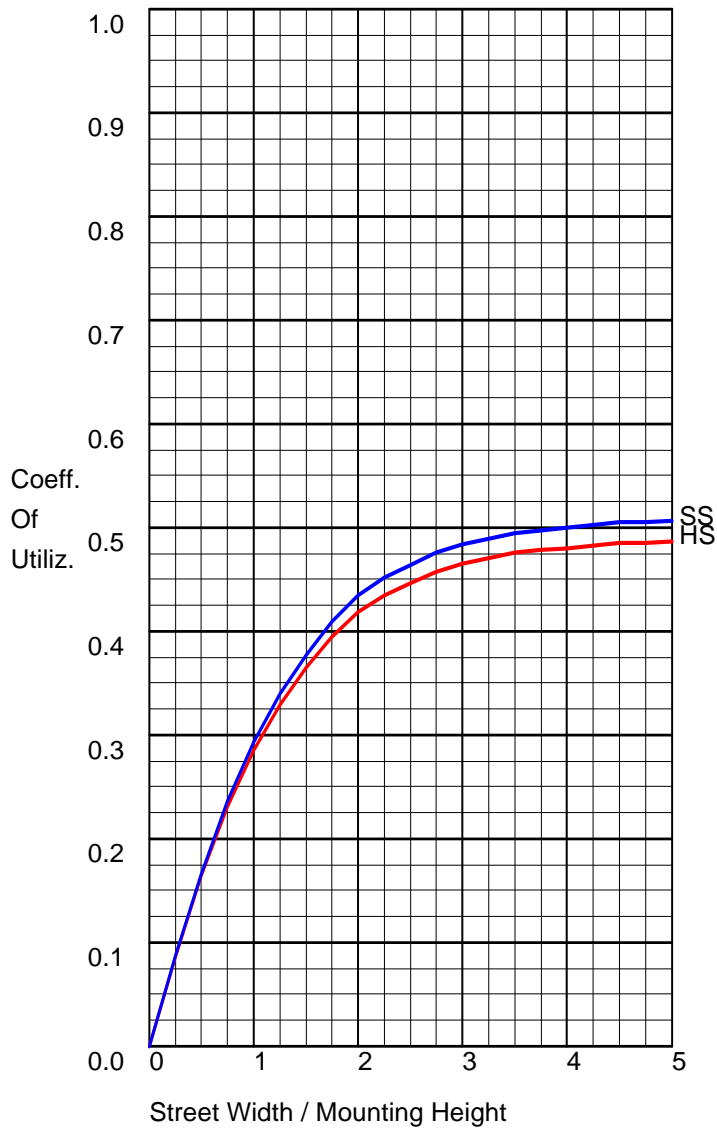
IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	3837.2 (1 lamp)
Total Lamp Lumens	3837.2
Luminaire Lumens	3837
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	33.5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1123.11
Maximum Candela Angle	240H 64V
Maximum Candela (<90 Degrees Vertical)	1123.11
Maximum Candela Angle (<90 Degrees Vertical)	240H 64V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	251.75 (6.6% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff

IES ROAD REPORT
PHOTOMETRIC FILENAME : C42SC-L40C-BK.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	251.0	6.5	6.5
FM - Front-Medium (30-60)	878.5	22.9	22.9
FH - Front-High (60-80)	728.6	19.0	19.0
FVH - Front-Very High (80-90)	21.7	0.6	0.6
BL - Back-Low (0-30)	253.7	6.6	6.6
BM - Back-Medium (30-60)	919.4	24.0	24.0
BH - Back-High (60-80)	759.7	19.8	19.8
BVH - Back-Very High (80-90)	24.6	0.6	0.6
UL - Uplight-Low (90-100)	< 0.05	0.0	0.0
UH - Uplight-High (100-180)	0.1	0.0	0.0
Total	3837.3	100.0	100.0
BUG Rating	B2-U1-G2		

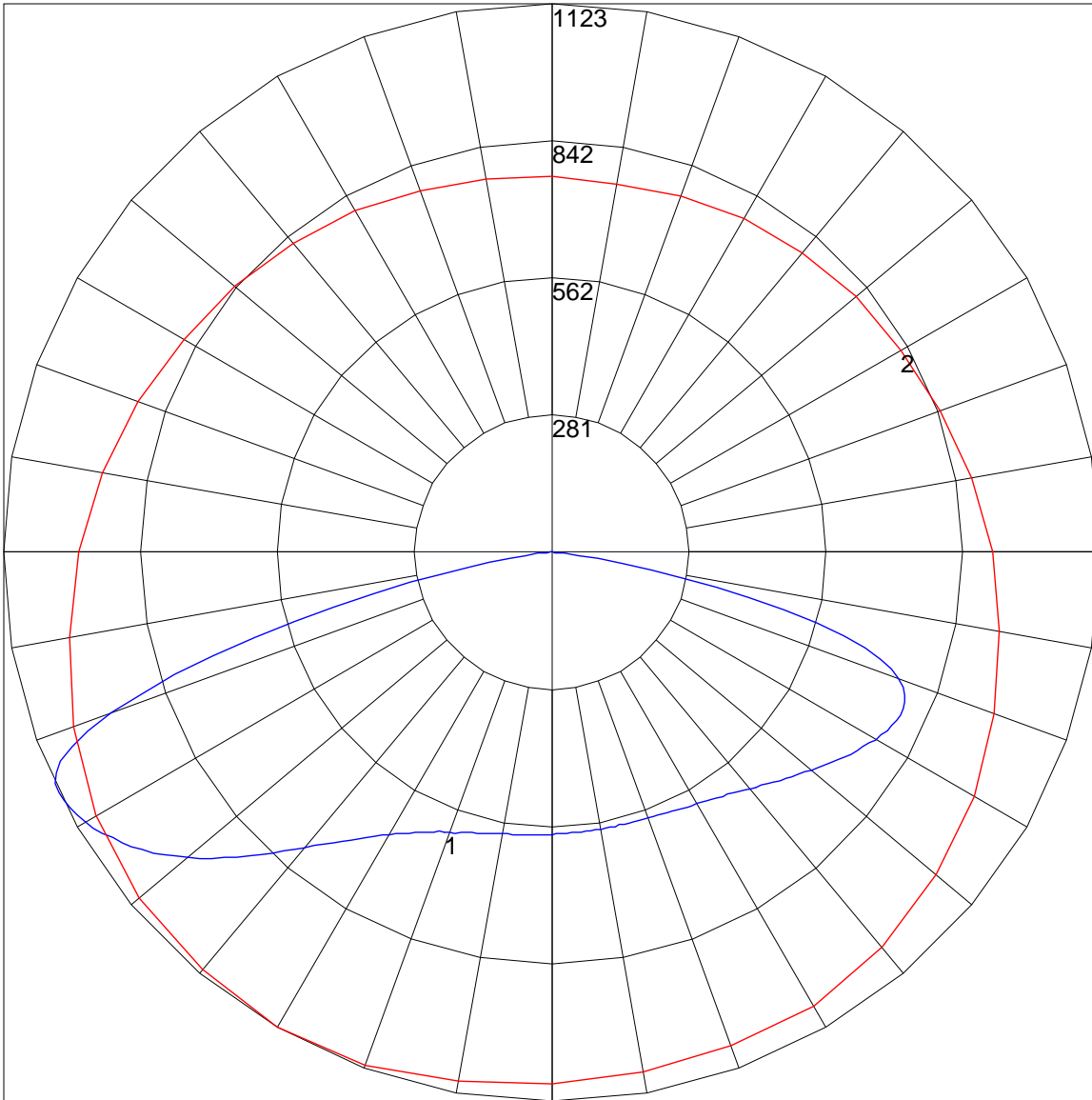
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

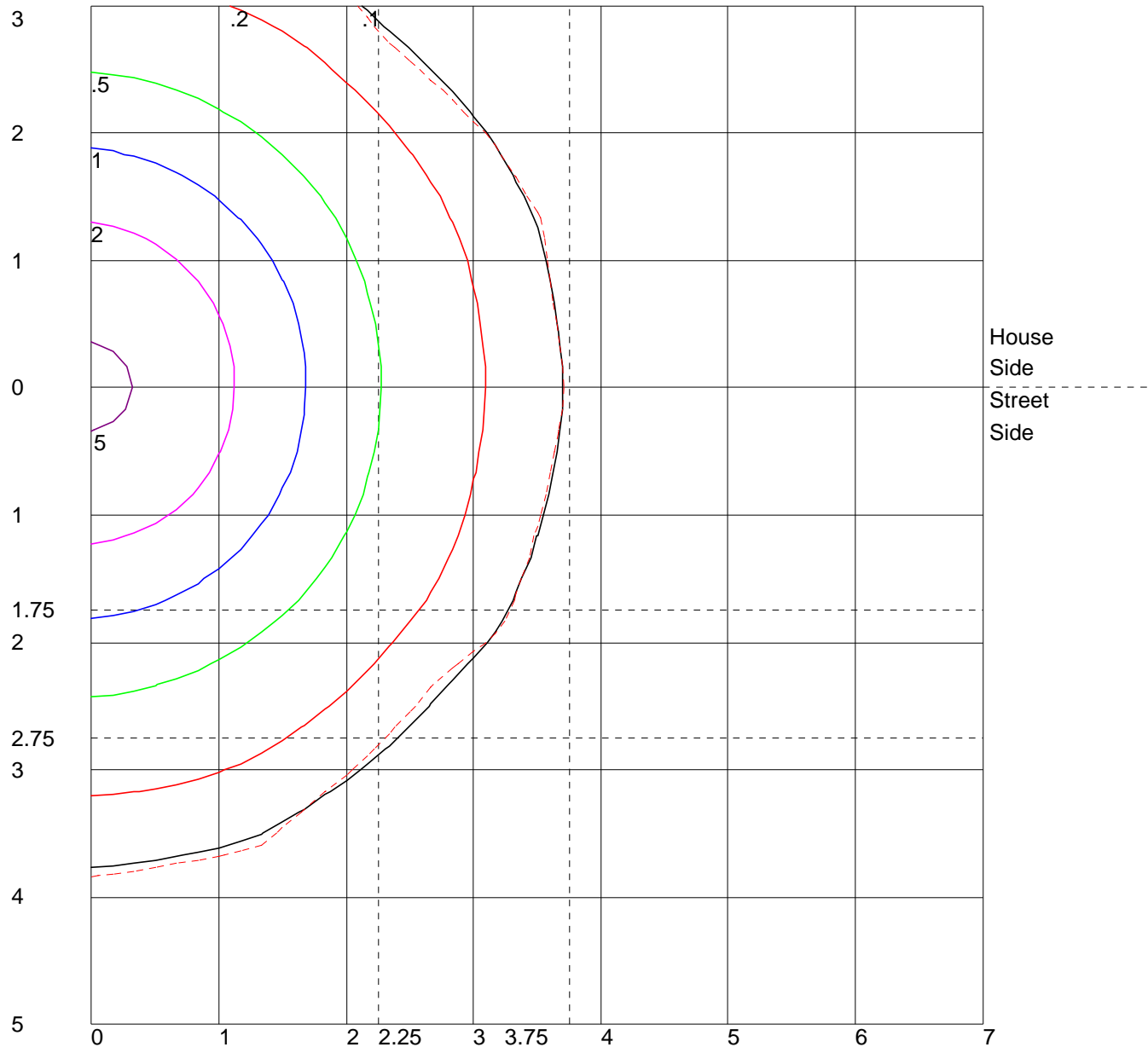
	Lumens	Percent Of Lamp
Downward Street Side	1879.8	49.0
Downward House Side	1957.4	51.0
Downward Total	3837.2	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.0	0.0
Upward Total	0.1	0.0
Total Flux	3837.3	100.0

POLAR GRAPH



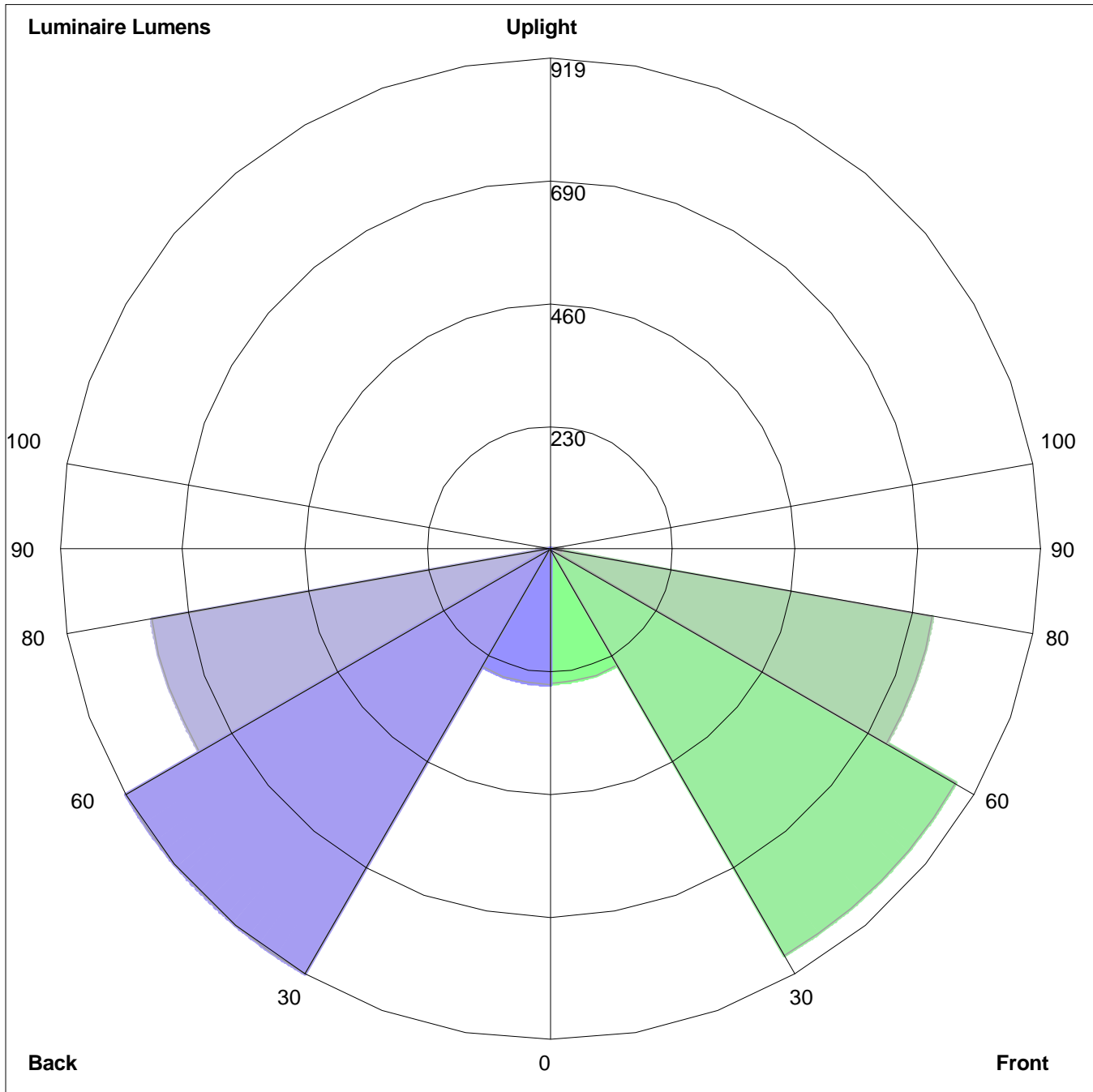
Maximum Candela = 1123.11 Located At Horizontal Angle = 240, Vertical Angle = 64
1 - Vertical Plane Through Horizontal Angles (240 - 60) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (64) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 10 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
 Front: Low=251.0, Medium=878.5, High=728.6, Very High=21.7
 Back: Low=253.7, Medium=919.4, High=759.7, Very High=24.6
 Uplight: Low=0.0, High=0.1

BUG Rating : B2-U1-G2

IES ROAD REPORT
PHOTOMETRIC FILENAME : C42SC-L40C-BK-T3.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB] EVERFINE
[TESTDATE] 2019-06-06
[ISSUE DATE] 2019-06-06 11:06:44
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
[MANUFAC] IWASAKI ELECTRIC CO.,LTD.
[LUMINAIRE] EY707-Q-4-W
[LAMP] EY707-Q-4-W

CHARACTERISTICS

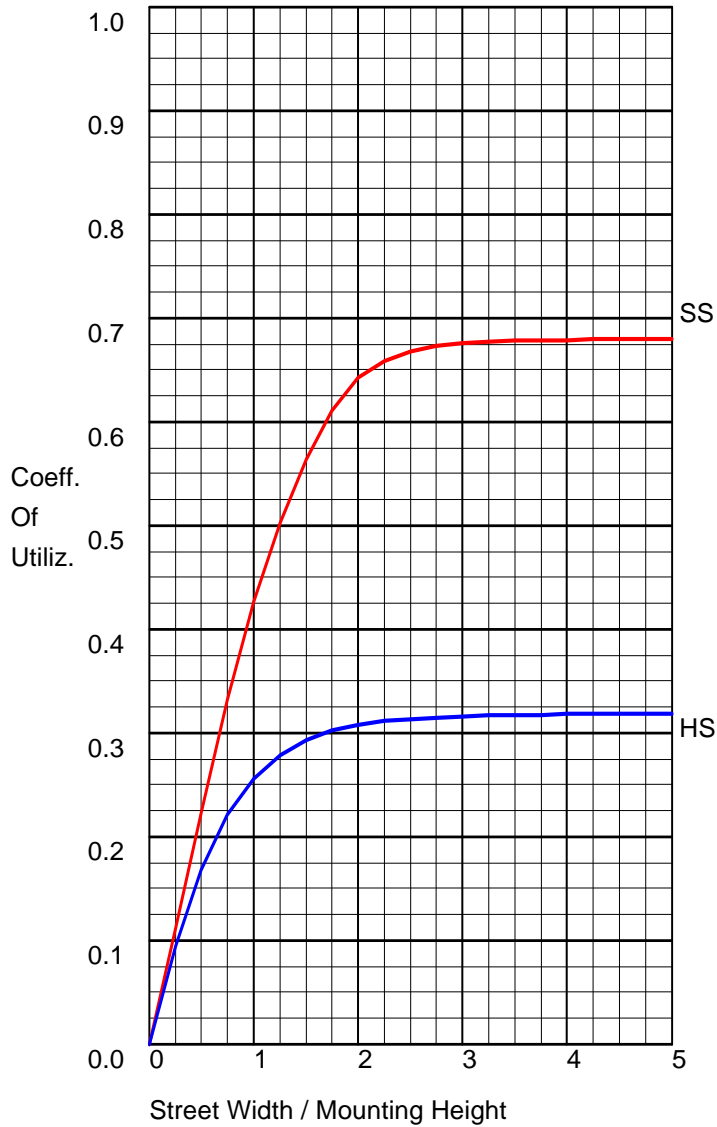
IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	4104.1 (1 lamp)
Total Lamp Lumens	4104.1
Luminaire Lumens	4104
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	34.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2344.53
Maximum Candela Angle	300H 69V
Maximum Candela (<90 Degrees Vertical)	2344.53
Maximum Candela Angle (<90 Degrees Vertical)	300H 69V
Maximum Candela At 90 Degrees Vertical	.02 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	419.58 (10.2% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

IES ROAD REPORT
PHOTOMETRIC FILENAME : C42SC-L40C-BK-T3.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	347.7	8.5	8.5
FM - Front-Medium (30-60)	1421.2	34.6	34.6
FH - Front-High (60-80)	1012.9	24.7	24.7
FVH - Front-Very High (80-90)	12.3	0.3	0.3
BL - Back-Low (0-30)	291.9	7.1	7.1
BM - Back-Medium (30-60)	750.7	18.3	18.3
BH - Back-High (60-80)	262.8	6.4	6.4
BVH - Back-Very High (80-90)	4.2	0.1	0.1
UL - Uplight-Low (90-100)	< 0.05	0.0	0.0
UH - Uplight-High (100-180)	0.3	0.0	0.0
Total	4104.0	100.0	100.0
BUG Rating	B1-U1-G1		

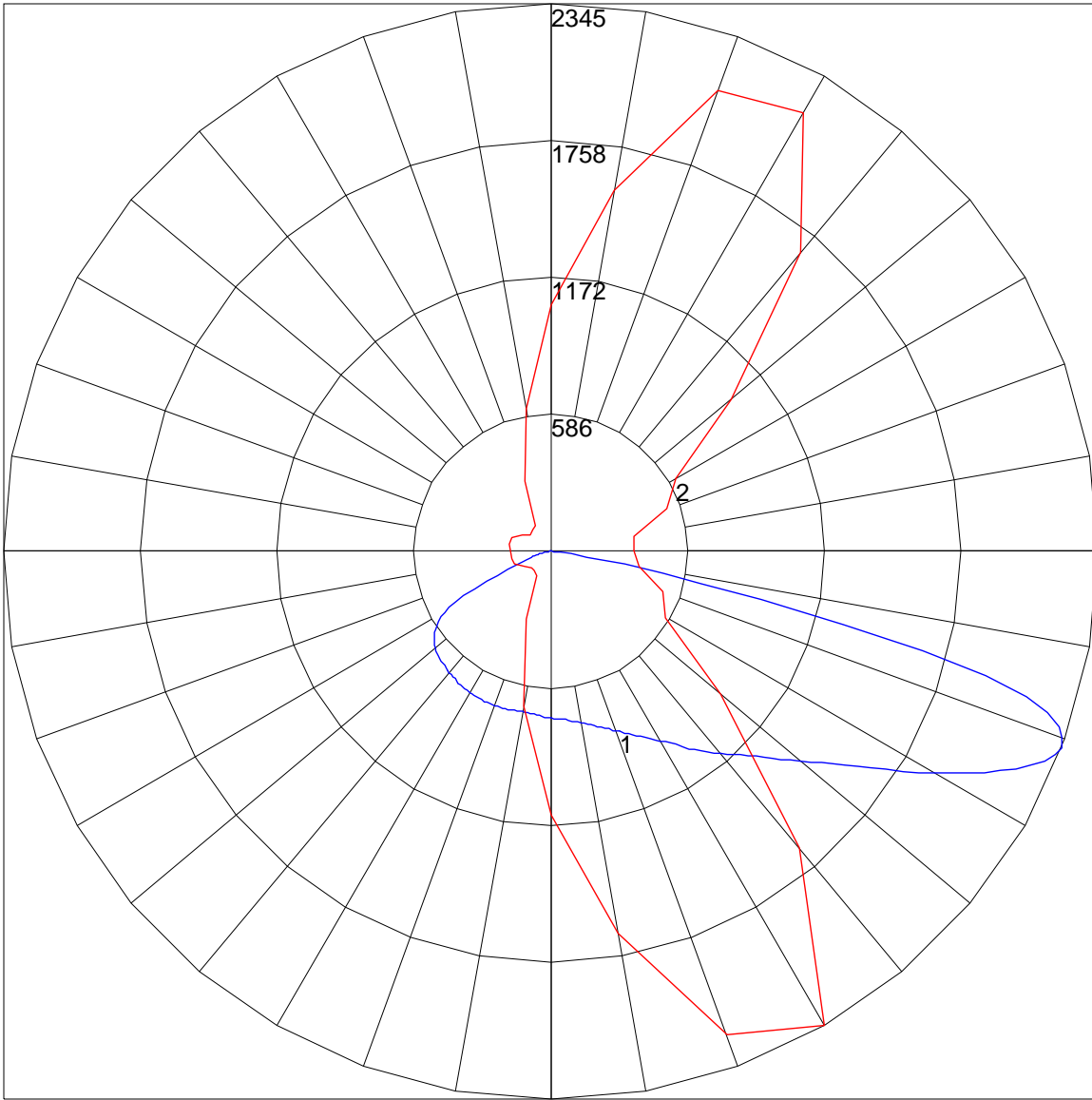
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

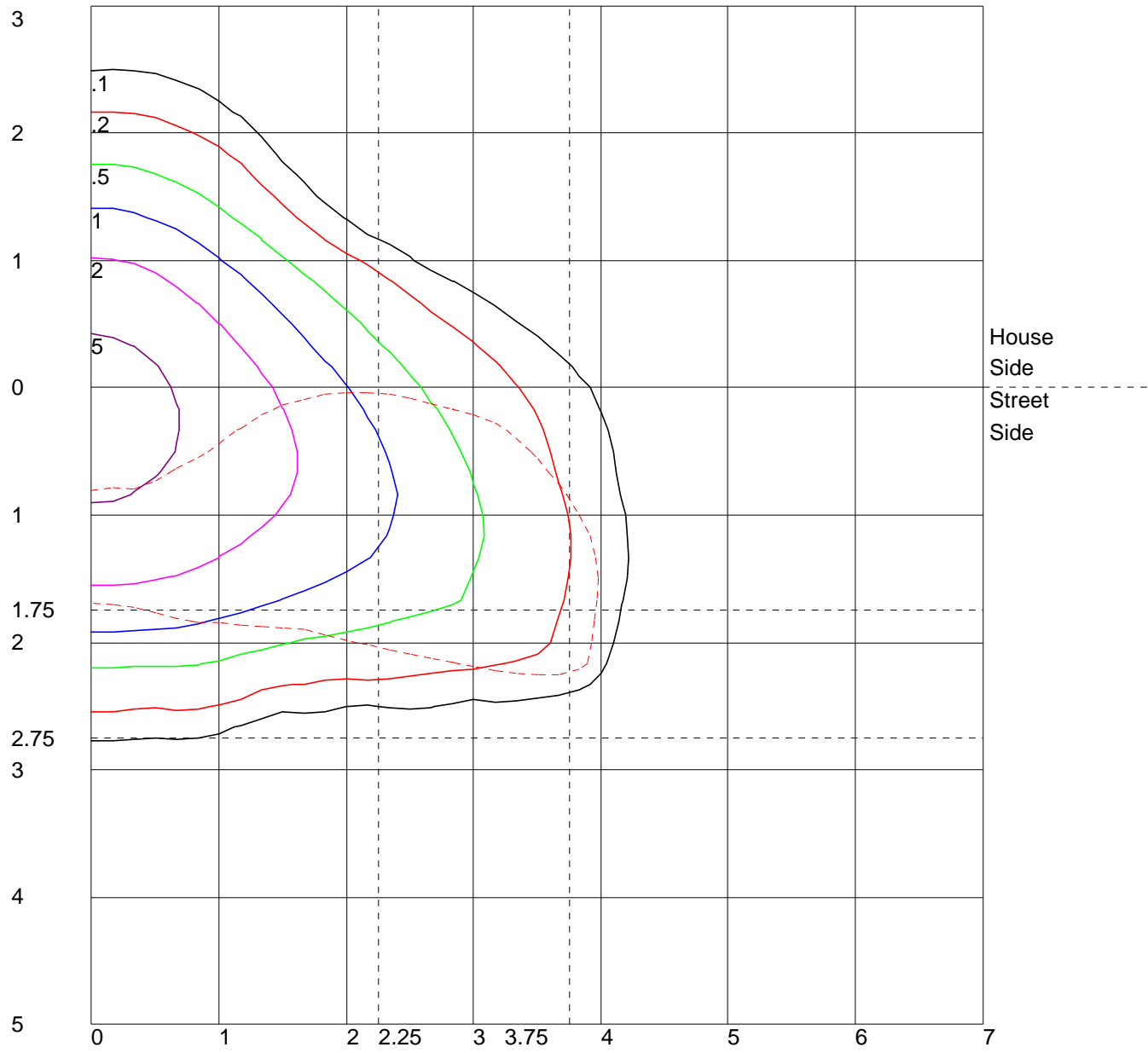
	Lumens	Percent Of Lamp
Downward Street Side	2794.1	68.1
Downward House Side	1309.7	31.9
Downward Total	4103.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.3	0.0
Upward Total	0.3	0.0
Total Flux	4104.2	100.0

POLAR GRAPH



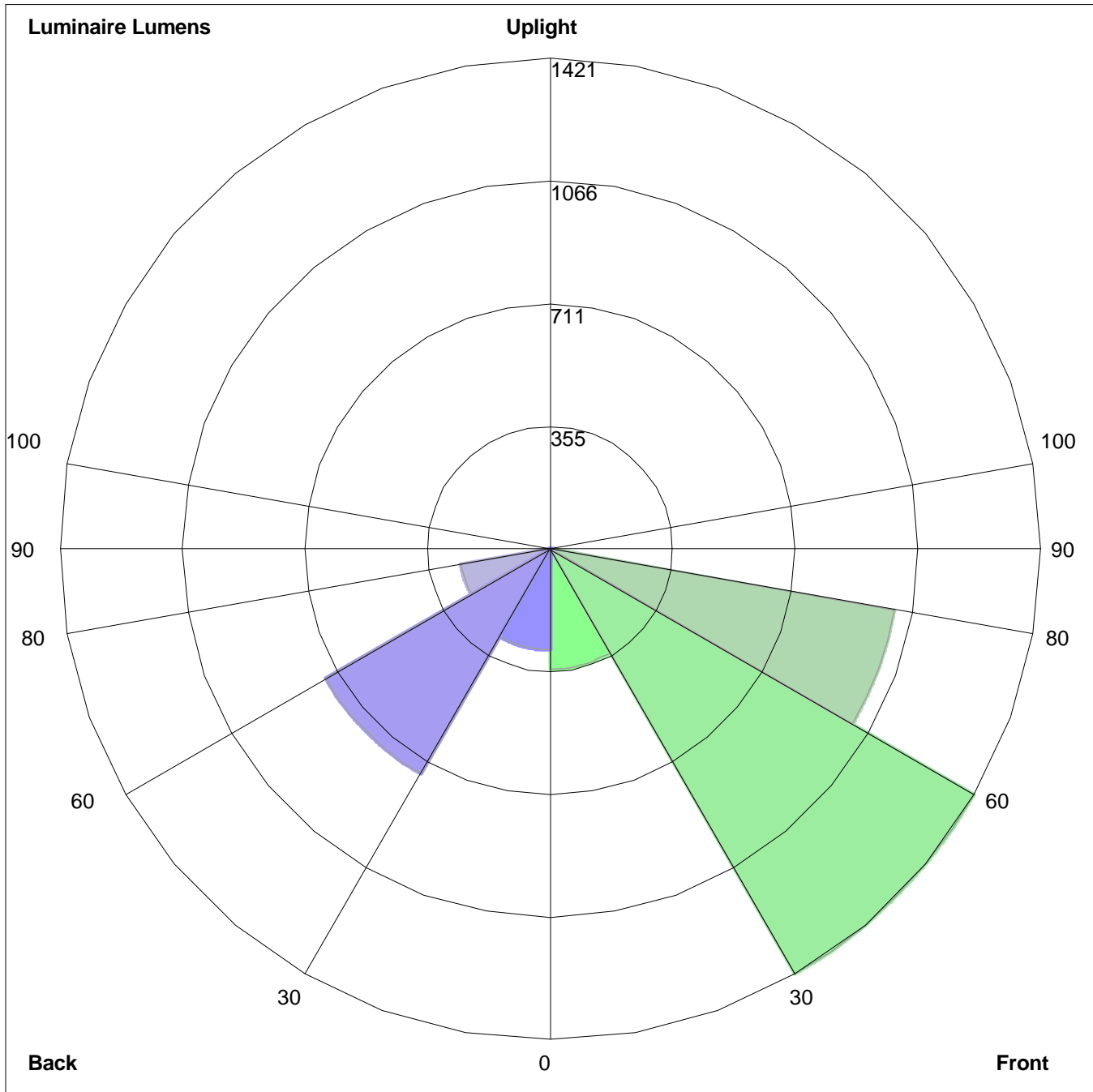
Maximum Candela = 2344.53 Located At Horizontal Angle = 300, Vertical Angle = 69
1 - Vertical Plane Through Horizontal Angles (300 - 120) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (69) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 10 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=347.7, Medium=1421.2, High=1012.9, Very High=12.3
Back: Low=291.9, Medium=750.7, High=262.8, Very High=4.2
Uplight: Low=0.0, High=0.3

BUG Rating : B1-U1-G1

IES ROAD REPORT
PHOTOMETRIC FILENAME : C42SC-L60C-BK.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB] Eway
[TESTDATE] 2018-11-28
[ISSUE DATE] 2018-11-28 19:18:02
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
[MANUFAC] Eway
[LUMINAIRE] EW101-PG-60W
[LAMP] EW101-PG-60W

CHARACTERISTICS

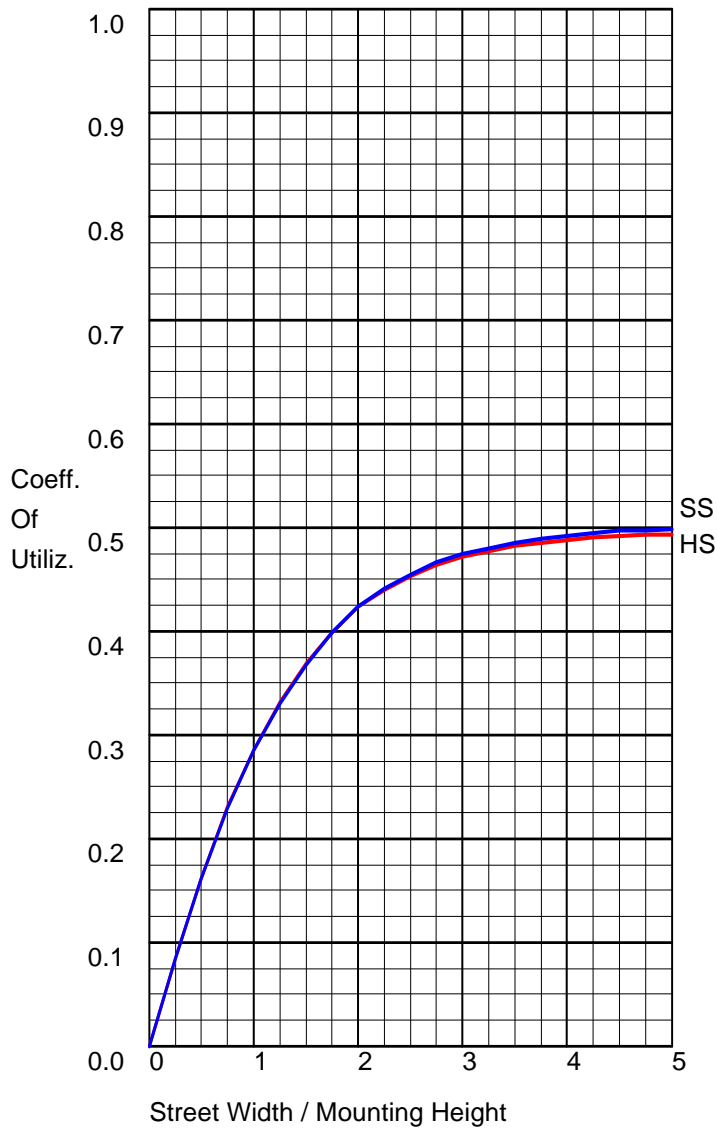
IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	6825.2 (1 lamp)
Total Lamp Lumens	6825.2
Luminaire Lumens	6825
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	58.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1872.63
Maximum Candela Angle	230H 66V
Maximum Candela (<90 Degrees Vertical)	1872.63
Maximum Candela Angle (<90 Degrees Vertical)	230H 66V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	484.93 (7.1% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff

IES ROAD REPORT
PHOTOMETRIC FILENAME : C42SC-L60C-BK.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	436.7	6.4	6.4
FM - Front-Medium (30-60)	1582.4	23.2	23.2
FH - Front-High (60-80)	1332.0	19.5	19.5
FVH - Front-Very High (80-90)	40.8	0.6	0.6
BL - Back-Low (0-30)	435.5	6.4	6.4
BM - Back-Medium (30-60)	1575.2	23.1	23.1
BH - Back-High (60-80)	1371.8	20.1	20.1
BVH - Back-Very High (80-90)	50.6	0.7	0.7
UL - Uplight-Low (90-100)	< 0.05	0.0	0.0
UH - Uplight-High (100-180)	0.4	0.0	0.0
Total	6825.4	100.0	100.0
BUG Rating	B3-U1-G1		

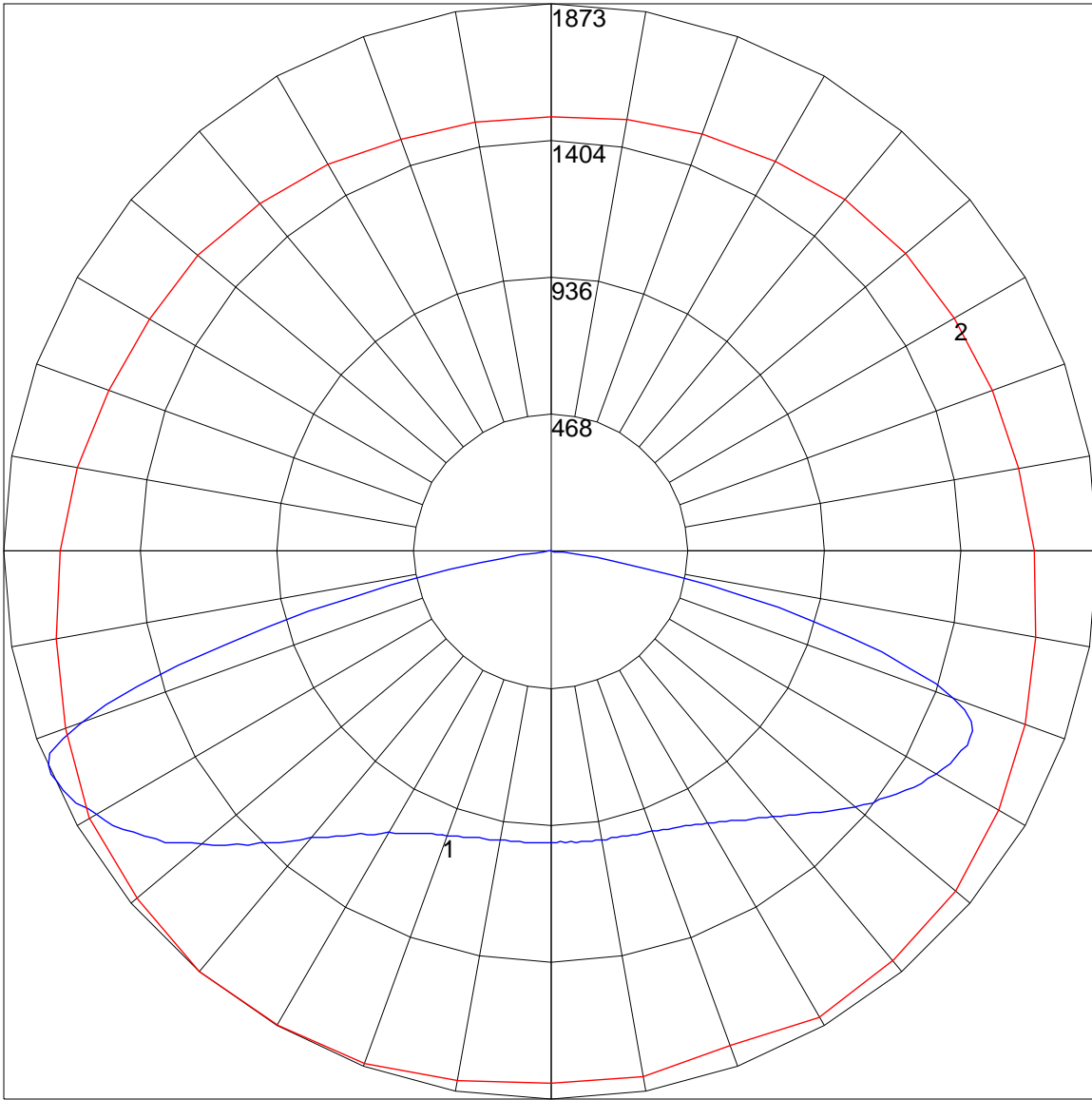
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

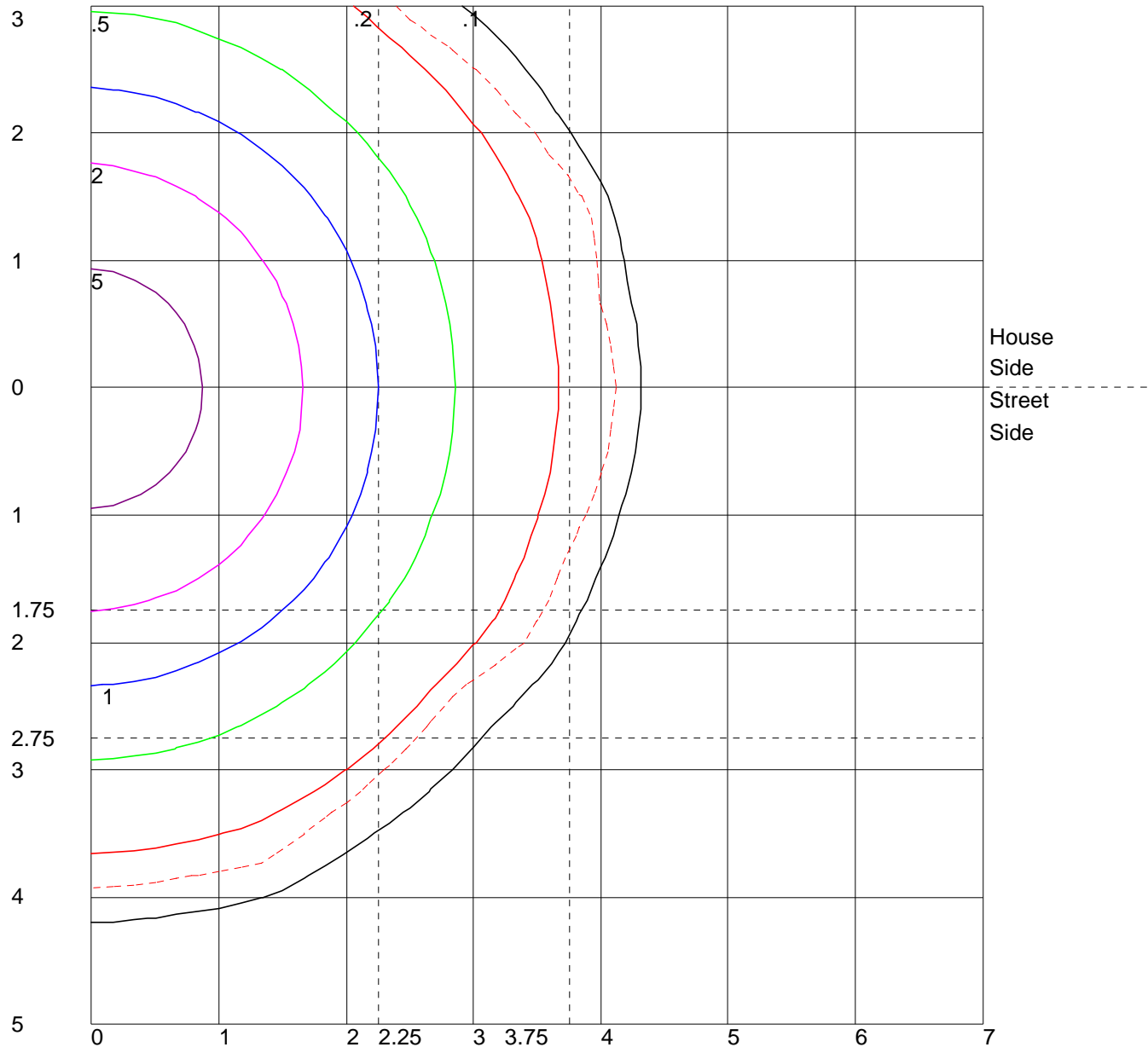
	Lumens	Percent Of Lamp
Downward Street Side	3392.0	49.7
Downward House Side	3433.0	50.3
Downward Total	6825.0	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	6825.4	100.0

POLAR GRAPH



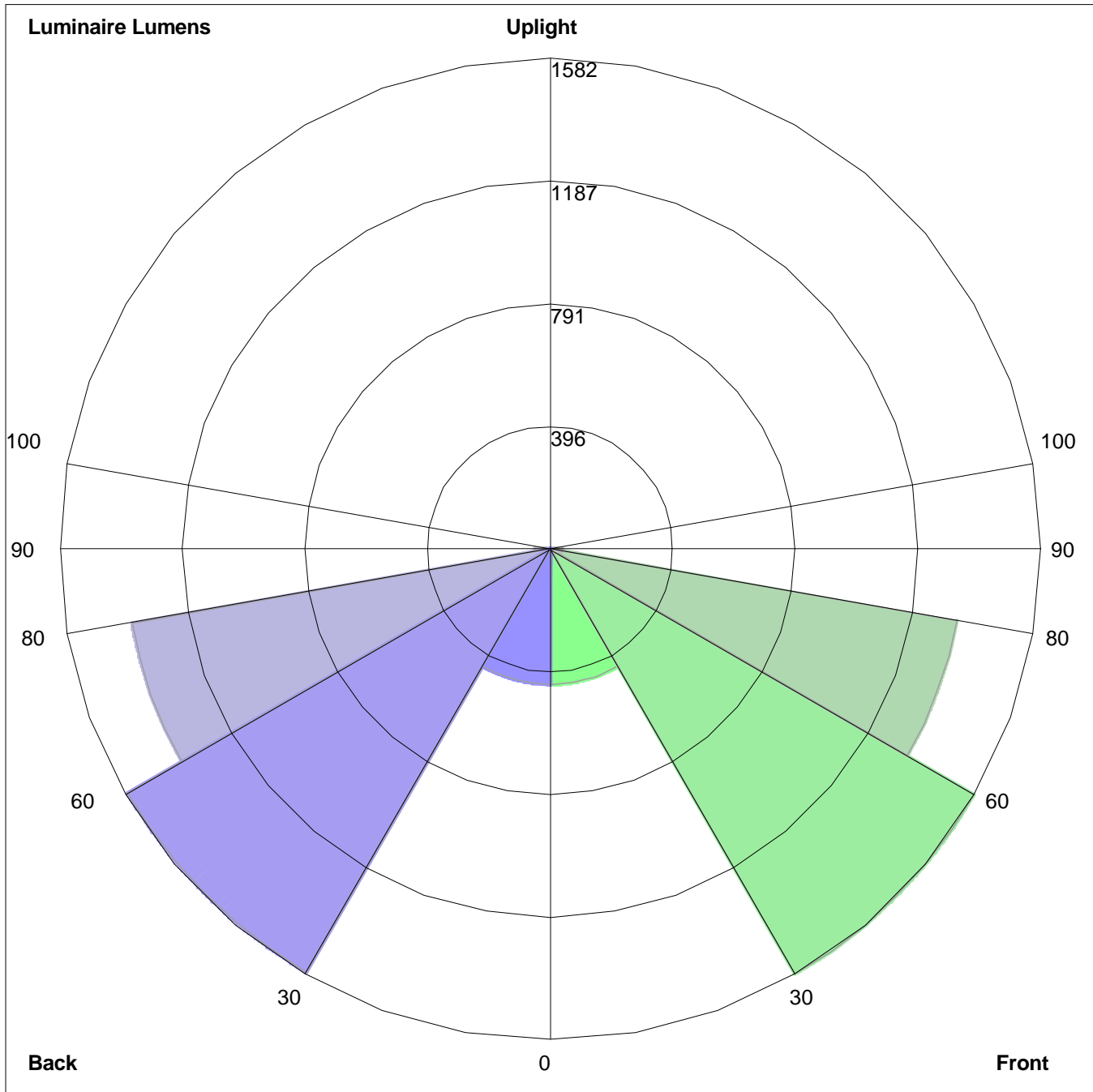
Maximum Candela = 1872.63 Located At Horizontal Angle = 230, Vertical Angle = 66
1 - Vertical Plane Through Horizontal Angles (230 - 50) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (66) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 10 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=436.7, Medium=1582.4, High= 1332.0, Very High=40.8
Back: Low=435.5, Medium=1575.2, High=1371.8, Very High=50.6
Uplight: Low=0.0, High=0.4

BUG Rating : B3-U1-G1

IES ROAD REPORT
PHOTOMETRIC FILENAME : C42SC-L60C-BK-T3.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB] EVERFINE
[TESTDATE] 2019-06-06
[ISSUE DATE] 2019-06-06 14:59:43
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
[MANUFAC] IWASAKI ELECTRIC CO.,LTD.
[LUMINAIRE] EY707-Q-6-W
[LAMP] EY707-Q-6-W

CHARACTERISTICS

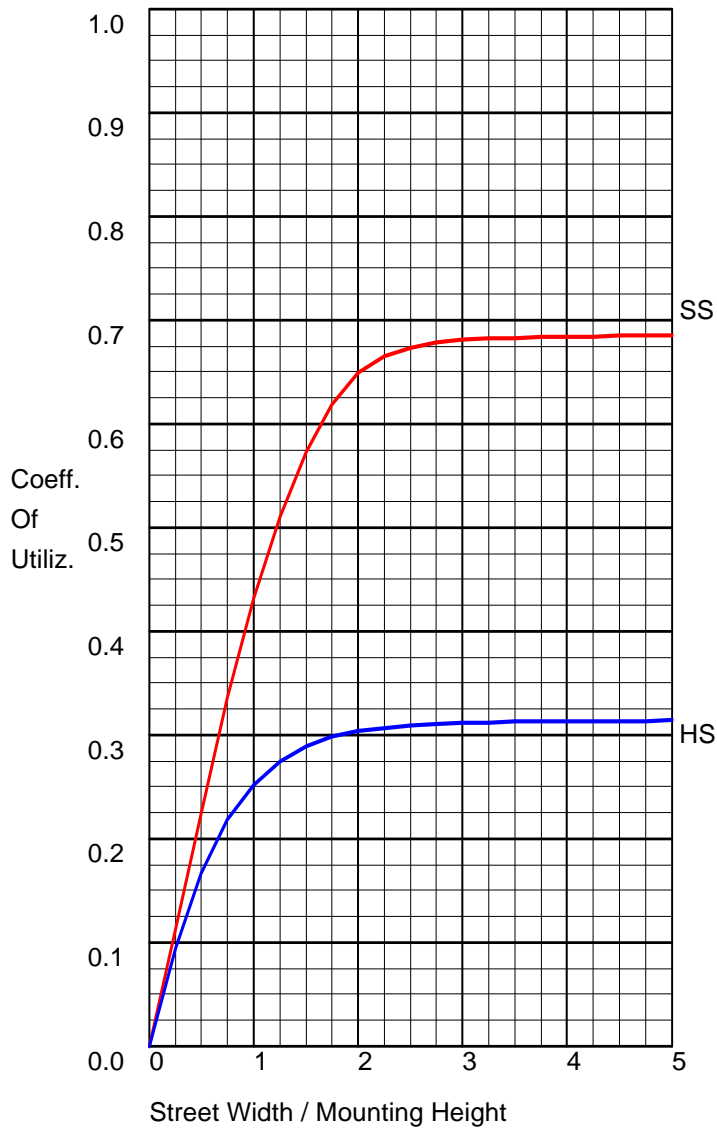
IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	7258.2 (1 lamp)
Total Lamp Lumens	7258.2
Luminaire Lumens	7258
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	58.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4208.89
Maximum Candela Angle	300H 69V
Maximum Candela (<90 Degrees Vertical)	4208.89
Maximum Candela Angle (<90 Degrees Vertical)	300H 69V
Maximum Candela At 90 Degrees Vertical	.01 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	622.71 (8.6% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff

IES ROAD REPORT
PHOTOMETRIC FILENAME : C42SC-L60C-BK-T3.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	609.0	8.4	8.4
FM - Front-Medium (30-60)	2553.8	35.2	35.2
FH - Front-High (60-80)	1795.1	24.7	24.7
FVH - Front-Very High (80-90)	18.8	0.3	0.3
BL - Back-Low (0-30)	503.3	6.9	6.9
BM - Back-Medium (30-60)	1294.7	17.8	17.8
BH - Back-High (60-80)	475.0	6.5	6.5
BVH - Back-Very High (80-90)	7.7	0.1	0.1
UL - Uplight-Low (90-100)	< 0.05	0.0	0.0
UH - Uplight-High (100-180)	0.7	0.0	0.0
Total	7258.1	99.9	100.0
BUG Rating	B2-U1-G1		

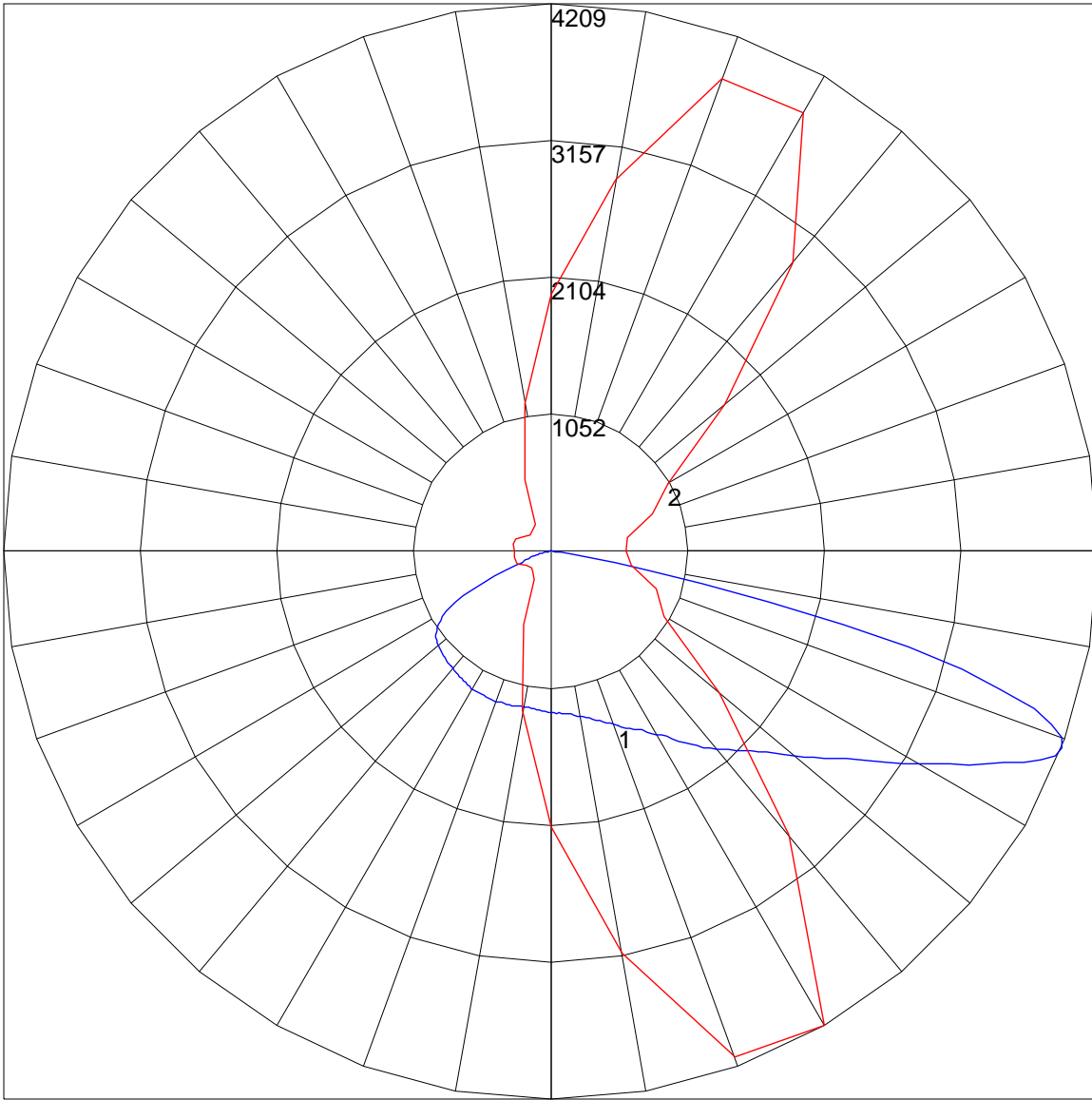
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

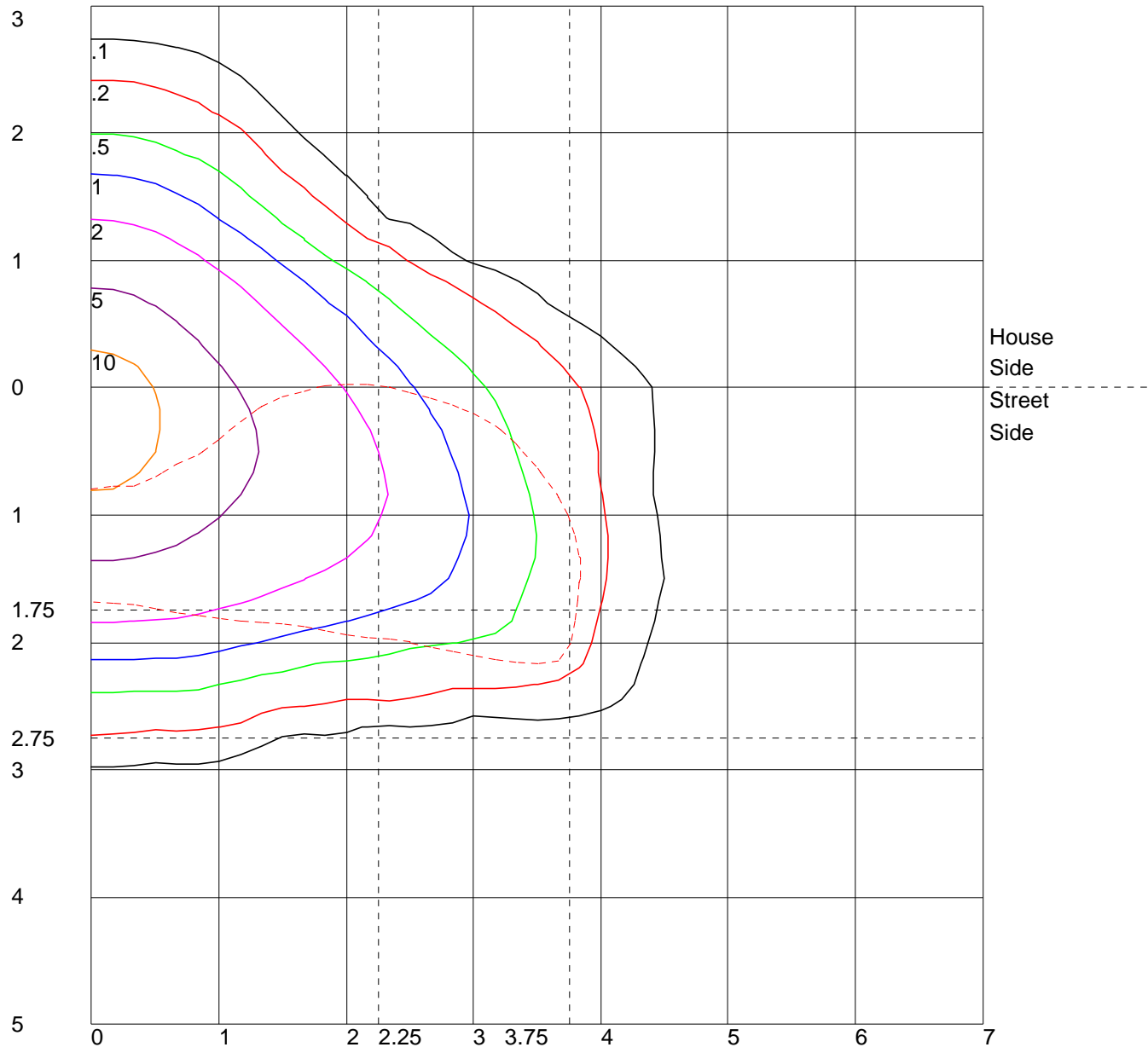
	Lumens	Percent Of Lamp
Downward Street Side	4976.7	68.6
Downward House Side	2280.8	31.4
Downward Total	7257.5	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.5	0.0
Upward Total	0.7	0.0
Total Flux	7258.2	100.0

POLAR GRAPH



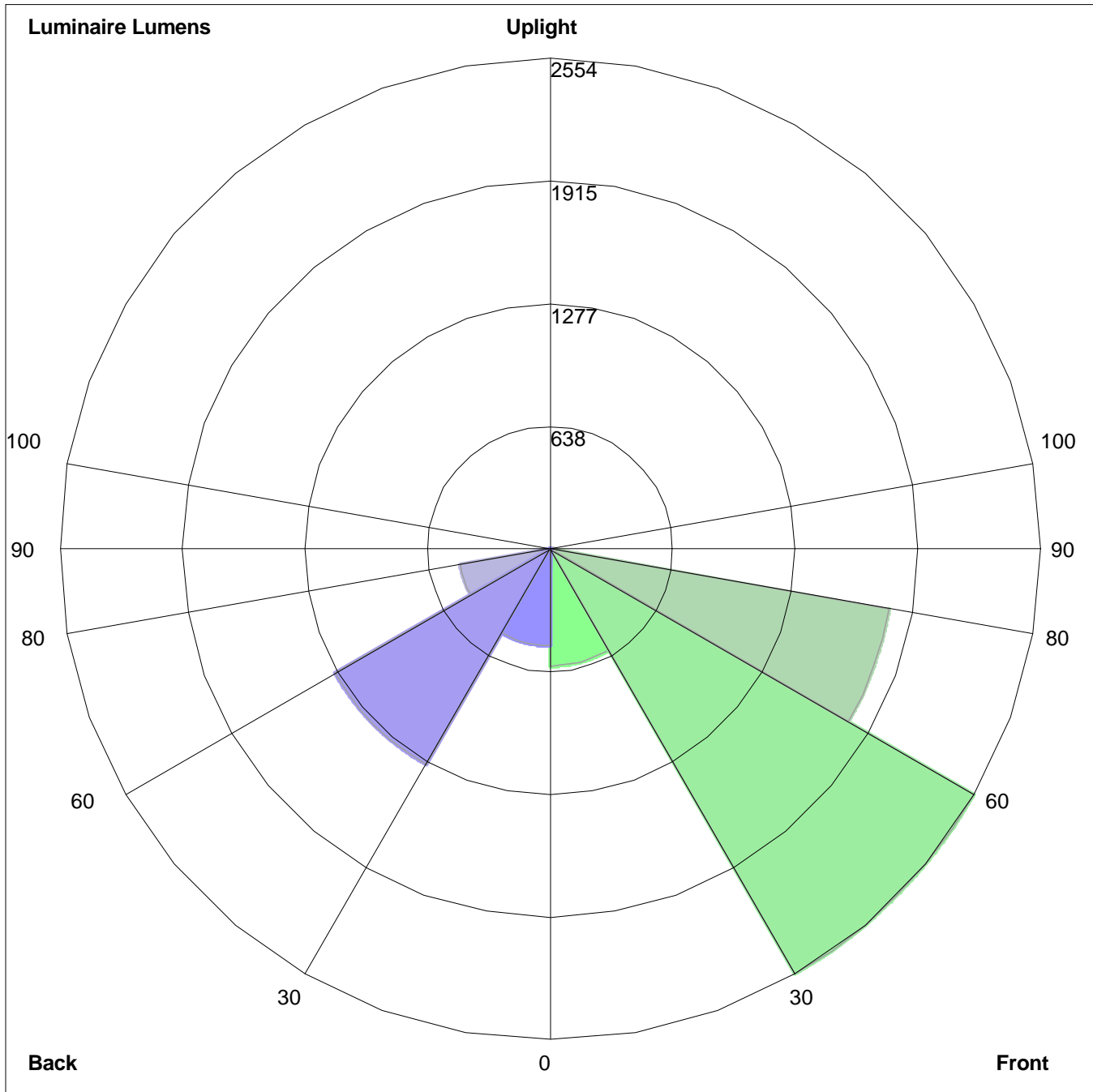
Maximum Candela = 4208.89 Located At Horizontal Angle = 300, Vertical Angle = 69
1 - Vertical Plane Through Horizontal Angles (300 - 120) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (69) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 10 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=609.0, Medium=2553.8, High=1795.1, Very High=18.8
Back: Low=503.3, Medium=1294.7, High=475.0, Very High=7.7
Uplight: Low=0.0, High=0.7

BUG Rating : B2-U1-G1