

POST TOP FIXTURE C42T



Wave Lighting's commercial product line provides safety and security for all types of applications including parks, pedestrian walkways, and parking areas. Our C42T fixture is available in LED and fits on any standard 3" diameter commercial pole (sold separately) with set screws (provided).



EPA 0.83ft²
WT 25.6lbs

IES FILES AVAILABLE ONLINE
AT WAVELIGHTING.COM



SPECIFICATIONS

- Cast Aluminum Housing
- Stainless Steel Set Screws
- 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
- 0 - 10V Dimming
- 5 Year Warranty

GUIDE: C42TC-L40C-BK

CALL FOR PHOTOMETRIC INFORMATION

ITEM #	LENS	LIGHT SOURCE	COLOR	OPTIONS
C42T	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 : C42TC-L40C-BK.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB] Eway
[TESTDATE] 2019-04-10
[ISSUEDATE] 2019-04-10 15:44:38
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
[MANUFAC] EWAY
[LUMINAIRE] EW101-PG3F-35W
[LAMP] EW101-PG3F-35W

CHARACTERISTICS

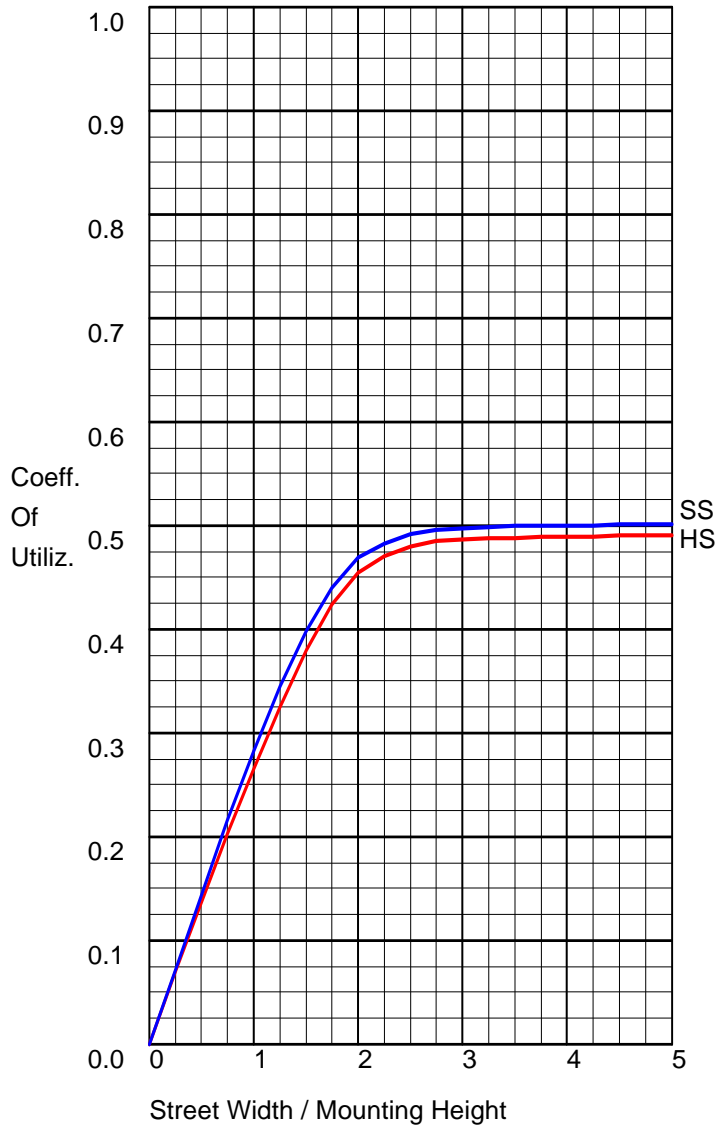
IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	4474.4 (1 lamp)
Total Lamp Lumens	4474.4
Luminaire Lumens	4474
Downward Total Efficiency	99 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	35.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	2360.27
Maximum Candela Angle	230H 60V
Maximum Candela (<90 Degrees Vertical)	2360.27
Maximum Candela Angle (<90 Degrees Vertical)	230H 60V
Maximum Candela At 90 Degrees Vertical	21.74 (0.5% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	48.57 (1.1% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff

IES ROAD REPORT
PHOTOMETRIC FILENAME : C42TC-L40C-BK.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	187.3	4.2	4.2
FM - Front-Medium (30-60)	1251.9	28.0	28.0
FH - Front-High (60-80)	751.5	16.8	16.8
FVH - Front-Very High (80-90)	9.6	0.2	0.2
BL - Back-Low (0-30)	179.3	4.0	4.0
BM - Back-Medium (30-60)	1250.8	28.0	28.0
BH - Back-High (60-80)	807.2	18.0	18.0
BVH - Back-Very High (80-90)	10.1	0.2	0.2
UL - Uplight-Low (90-100)	12.6	0.3	0.3
UH - Uplight-High (100-180)	14.2	0.3	0.3
Total	4474.5	100.0	100.0
BUG Rating	B2-U2-G2		

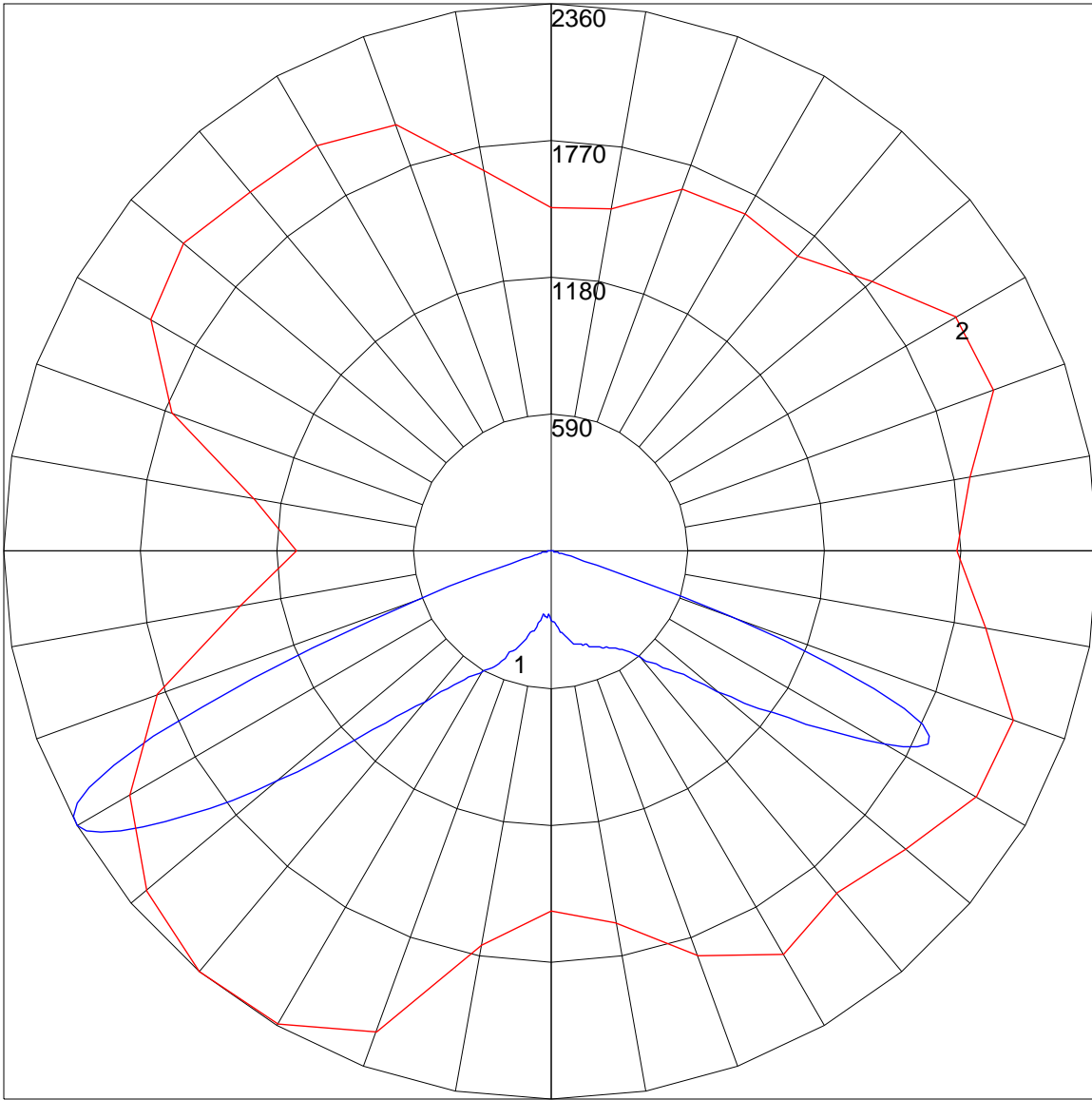
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

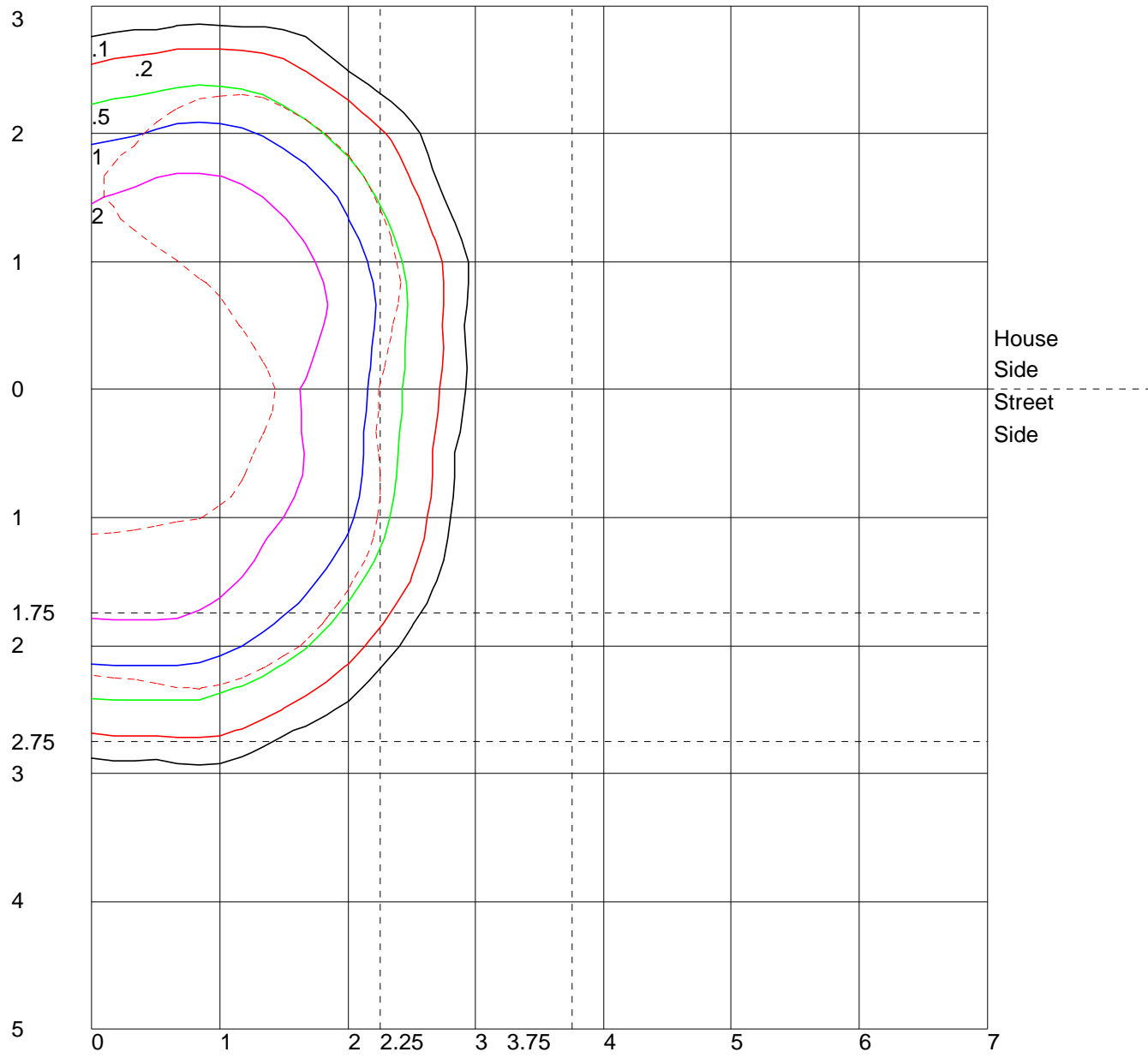
	Lumens	Percent Of Lamp
Downward Street Side	2200.2	49.2
Downward House Side	2247.4	50.2
Downward Total	4447.6	99.4
Upward Street Side	13.6	0.3
Upward House Side	13.2	0.3
Upward Total	26.8	0.6
Total Flux	4474.4	100.0

POLAR GRAPH



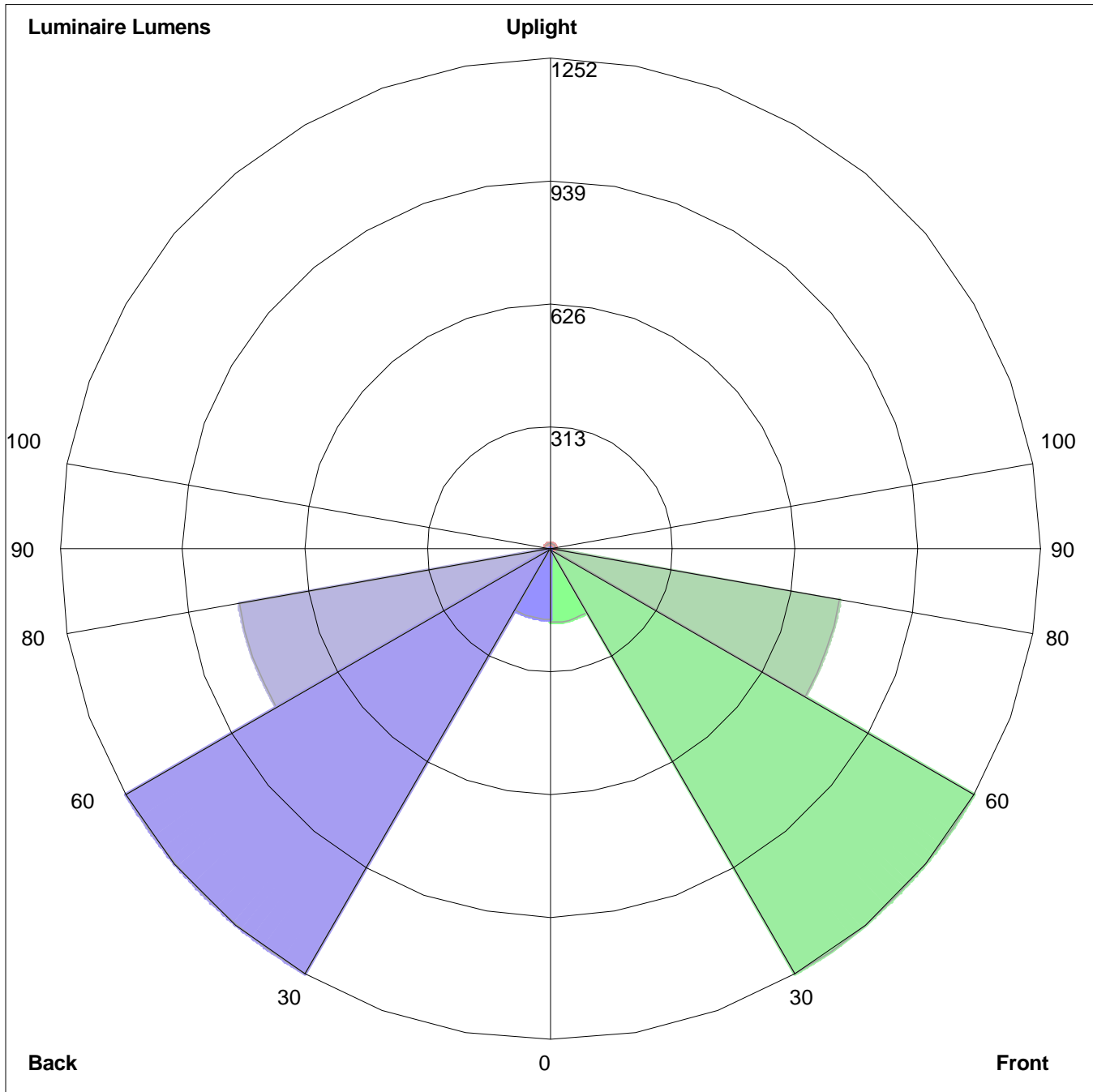
Maximum Candela = 2360.27 Located At Horizontal Angle = 230, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (230 - 50) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

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=187.3, Medium=1251.9, High=751.5, Very High=9.6
Back: Low=179.3, Medium=1250.8, High=807.2, Very High=10.1
Uplight: Low=12.6, High=14.2

BUG Rating : B2-U2-G2

IES ROAD REPORT
PHOTOMETRIC FILENAME : C42TC-L40C-BK-T3.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB] EVERFINE
[TESTDATE] 2019-06-05
[ISSUE DATE] 2019-06-05 17:54:55
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
[MANUFAC] EWAY
[LUMINAIRE] EW101-PG3F-35W
[LAMP] EW101-PG3F-35W

CHARACTERISTICS

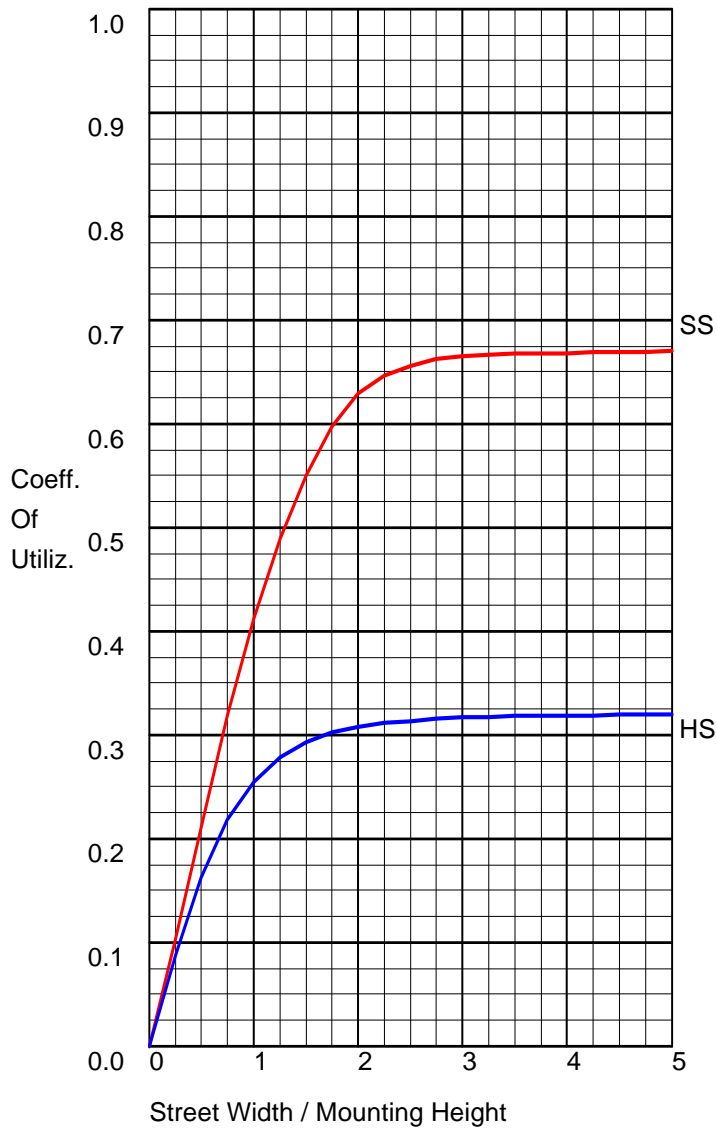
IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	3698.5 (1 lamp)
Total Lamp Lumens	3698.5
Luminaire Lumens	3699
Downward Total Efficiency	99 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	34.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	1928.08
Maximum Candela Angle	300H 69V
Maximum Candela (<90 Degrees Vertical)	1928.08
Maximum Candela Angle (<90 Degrees Vertical)	300H 69V
Maximum Candela At 90 Degrees Vertical	17.56 (0.5% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	357.66 (9.7% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff

IES ROAD REPORT
PHOTOMETRIC FILENAME : C42TC-L40C-BK-T3.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	293.3	7.9	7.9
FM - Front-Medium (30-60)	1291.2	34.9	34.9
FH - Front-High (60-80)	885.8	23.9	23.9
FVH - Front-Very High (80-90)	15.1	0.4	0.4
BL - Back-Low (0-30)	232.6	6.3	6.3
BM - Back-Medium (30-60)	690.7	18.7	18.7
BH - Back-High (60-80)	254.5	6.9	6.9
BVH - Back-Very High (80-90)	10.6	0.3	0.3
UL - Uplight-Low (90-100)	11.0	0.3	0.3
UH - Uplight-High (100-180)	13.7	0.4	0.4
Total	3698.5	100.0	100.0
BUG Rating	B1-U2-G1		

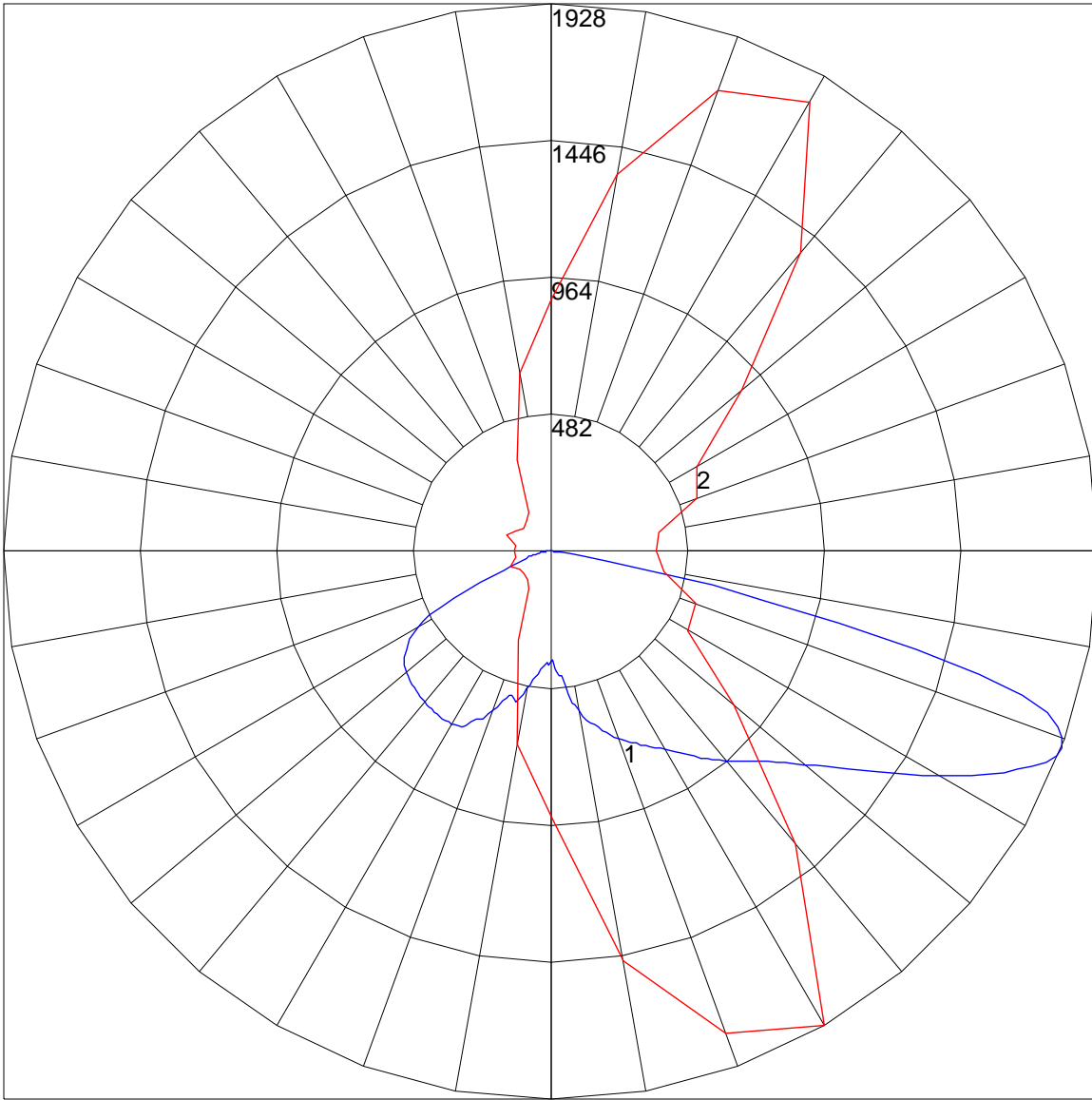
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

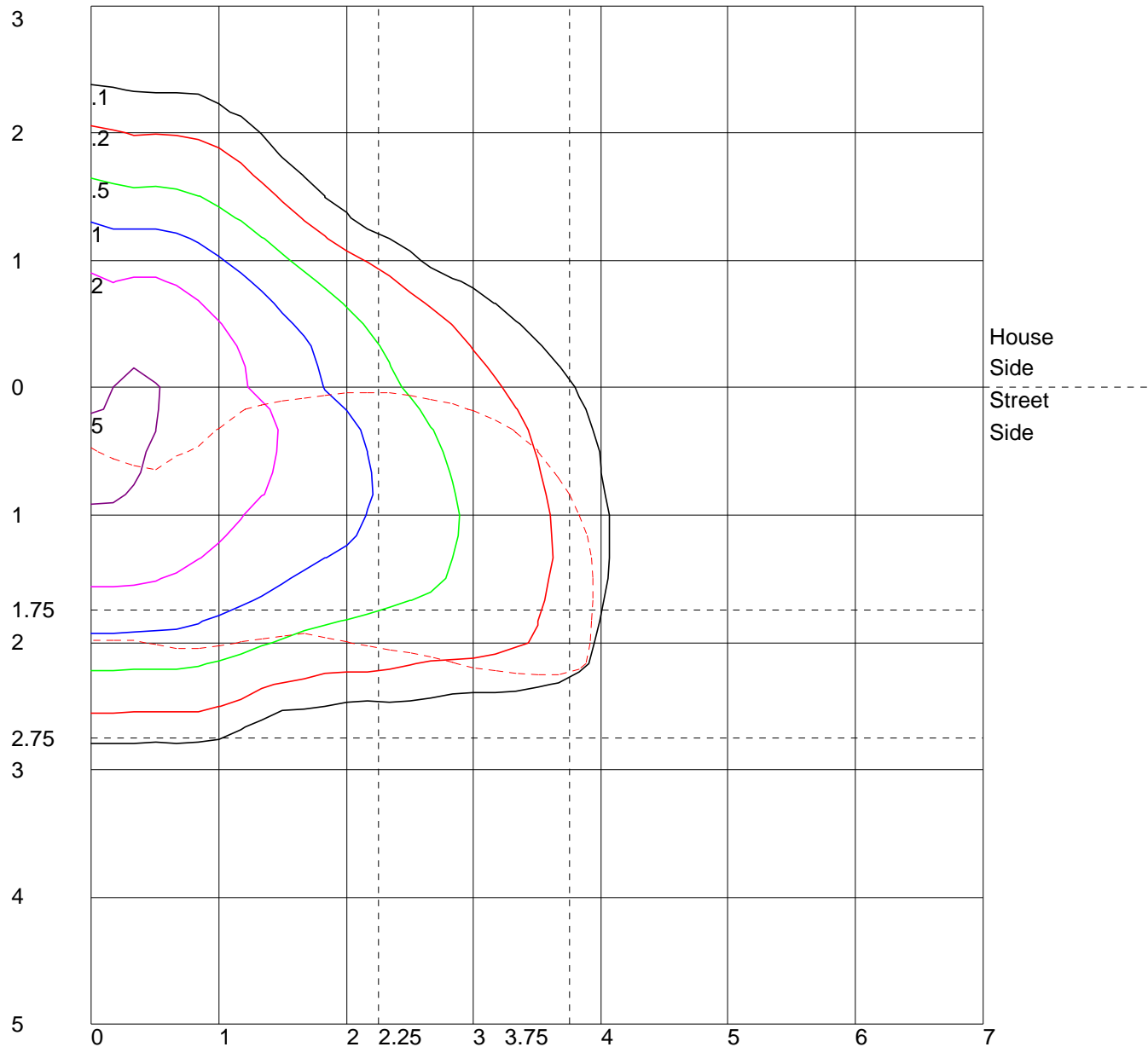
	Lumens	Percent Of Lamp
Downward Street Side	2485.3	67.2
Downward House Side	1188.5	32.1
Downward Total	3673.8	99.3
Upward Street Side	11.4	0.3
Upward House Side	13.3	0.4
Upward Total	24.7	0.7
Total Flux	3698.5	100.0

POLAR GRAPH



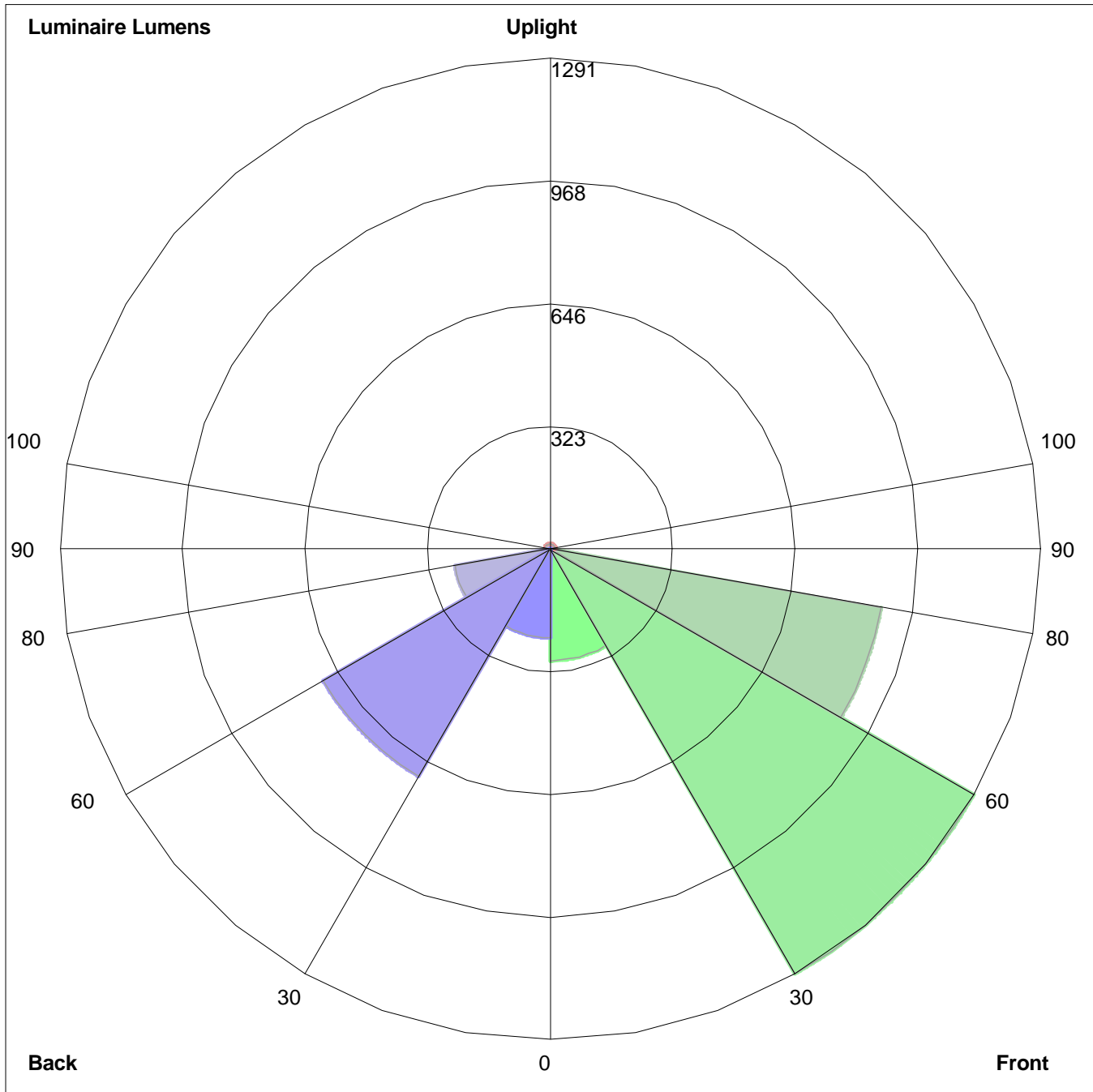
Maximum Candela = 1928.08 Located At Horizontal Angle = 300, Vertical Angle = 69
1 - Vertical Plane Through Horizontal Angles (300 - 120) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (69) (Through Max. Cd.)

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=293.3, Medium=1291.2, High=885.8, Very High=15.1
Back: Low=232.6, Medium=690.7, High=254.5, Very High=10.6
Uplight: Low=11.0, High=13.7

BUG Rating : B1-U2-G1

IES ROAD REPORT
PHOTOMETRIC FILENAME : C42TC-L60C-BK.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB] EVERFINE
[TESTDATE] 2019-04-26
[ISSUE DATE] 2019-04-26 17:28:27
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
[MANUFAC] EWAY
[LUMINAIRE] EW101-PG3F-60W
[LAMP] EW101-PG3F-60W

CHARACTERISTICS

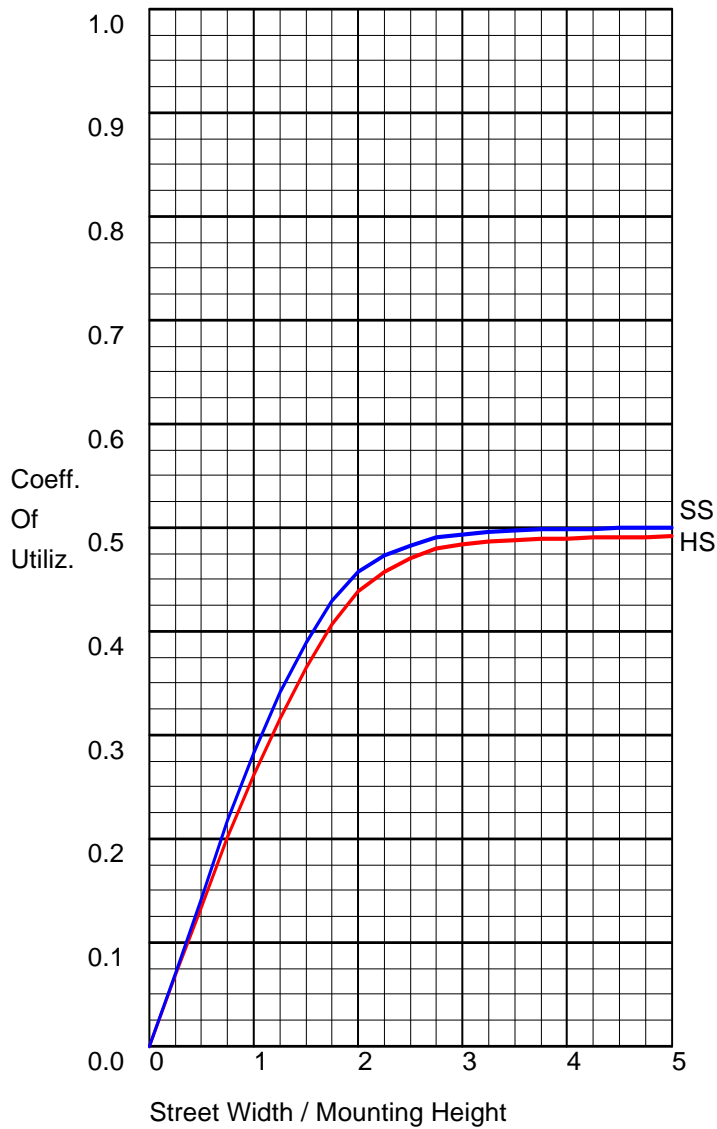
IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	7651.8 (1 lamp)
Total Lamp Lumens	7651.8
Luminaire Lumens	7652
Downward Total Efficiency	99 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	61
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	3581.17
Maximum Candela Angle	230H 62V
Maximum Candela (<90 Degrees Vertical)	3581.17
Maximum Candela Angle (<90 Degrees Vertical)	230H 62V
Maximum Candela At 90 Degrees Vertical	37.24 (0.5% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	131.74 (1.7% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff

IES ROAD REPORT
PHOTOMETRIC FILENAME : C42TC-L60C-BK.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	307.3	4.0	4.0
FM - Front-Medium (30-60)	1974.8	25.8	25.8
FH - Front-High (60-80)	1471.8	19.2	19.2
FVH - Front-Very High (80-90)	18.9	0.2	0.2
BL - Back-Low (0-30)	296.1	3.9	3.9
BM - Back-Medium (30-60)	2036.0	26.6	26.6
BH - Back-High (60-80)	1483.0	19.4	19.4
BVH - Back-Very High (80-90)	19.4	0.3	0.3
UL - Uplight-Low (90-100)	21.1	0.3	0.3
UH - Uplight-High (100-180)	23.6	0.3	0.3
Total	7652.0	100.0	100.0
BUG Rating	B3-U2-G1		

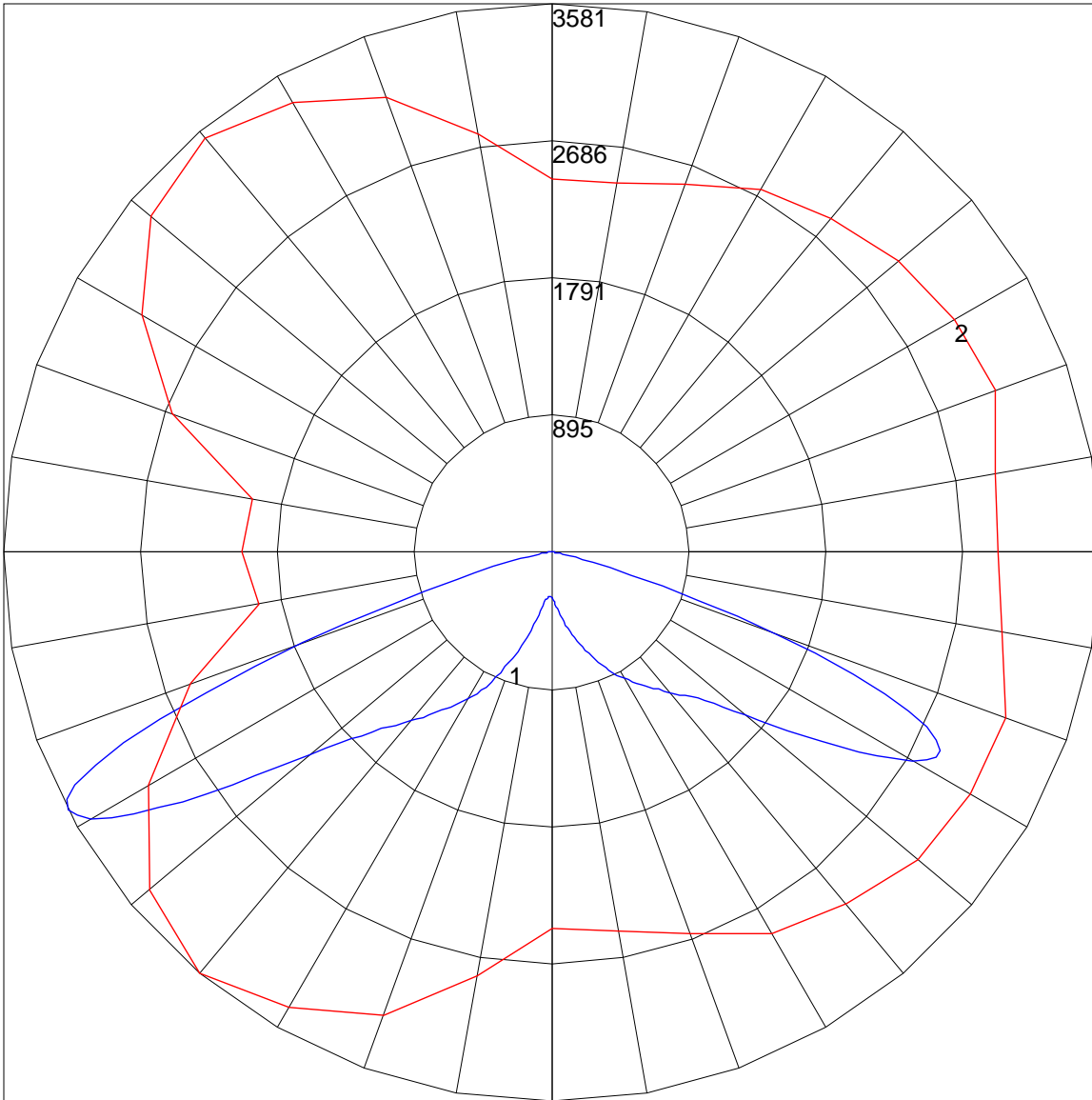
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

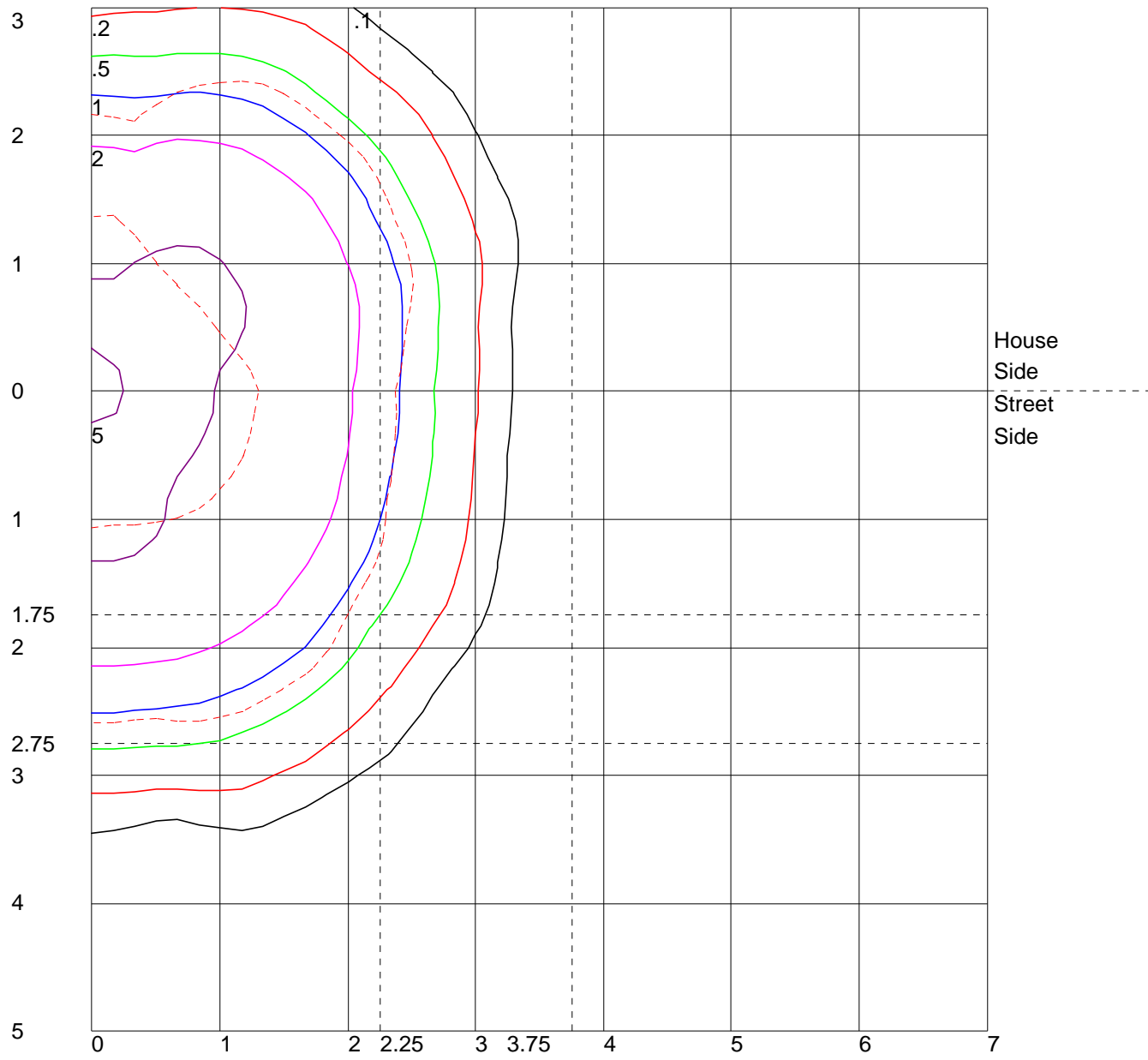
	Lumens	Percent Of Lamp
Downward Street Side	3772.8	49.3
Downward House Side	3834.4	50.1
Downward Total	7607.2	99.4
Upward Street Side	22.6	0.3
Upward House Side	22.0	0.3
Upward Total	44.6	0.6
Total Flux	7651.8	100.0

POLAR GRAPH



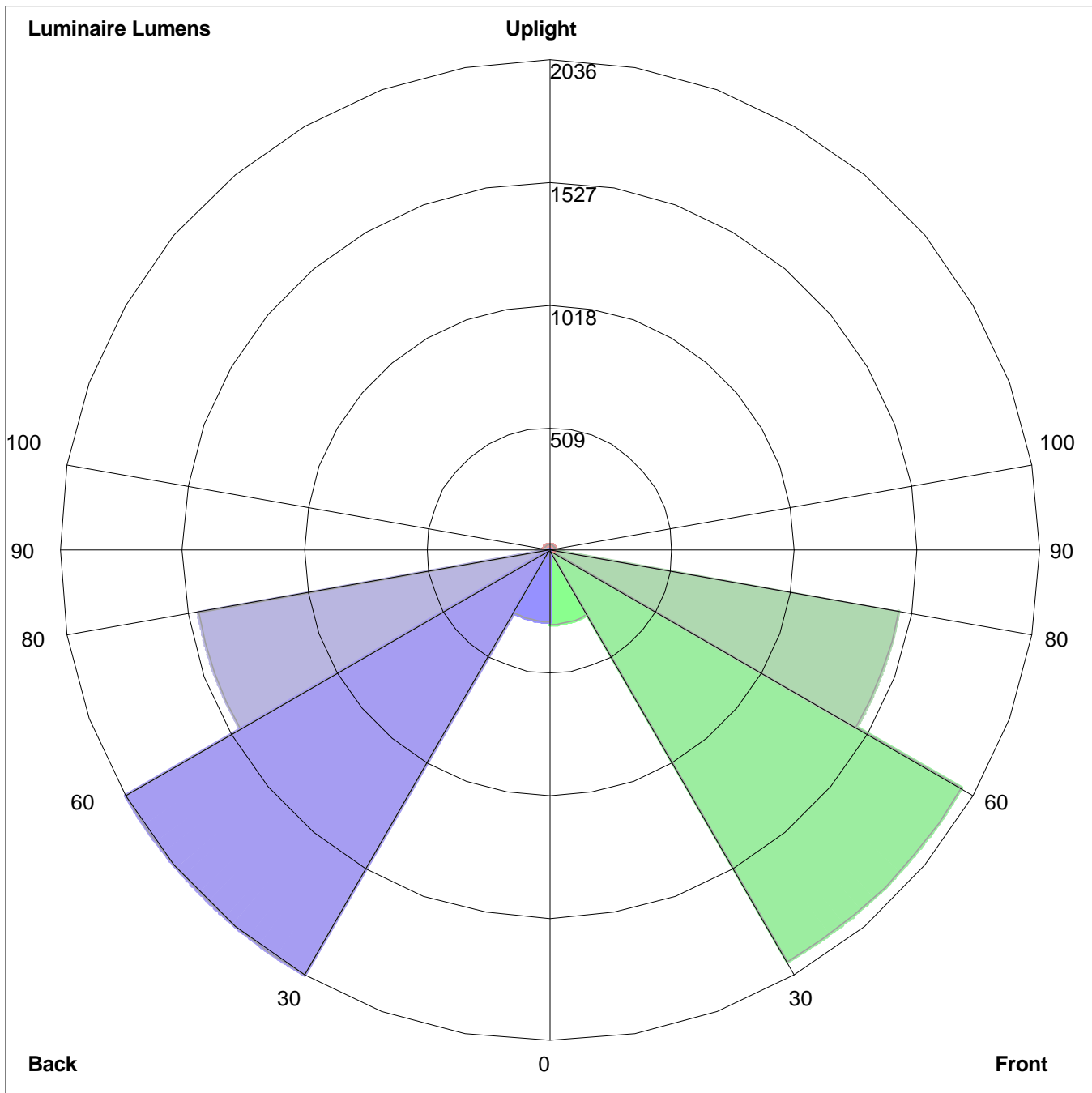
Maximum Candela = 3581.17 Located At Horizontal Angle = 230, Vertical Angle = 62
1 - Vertical Plane Through Horizontal Angles (230 - 50) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (62) (Through Max. Cd.)

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=307.3, Medium=1974.8, High=1471.8, Very High=18.9
Back: Low=296.1, Medium= 2036.0, High= 1483.0, Very High=19.4
Uplight: Low=21.1, High=23.6

BUG Rating : B3-U2-G1

IES ROAD REPORT
PHOTOMETRIC FILENAME : C42TC-L60C-BK-T3.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB] EVERFINE
[TESTDATE] 2019-03-13
[ISSUE DATE] 2019-03-13 18:50:30
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
[MANUFAC] EWAY
[LUMINAIRE] EW101-PG-60W
[LAMP] EW101-PG-60W

CHARACTERISTICS

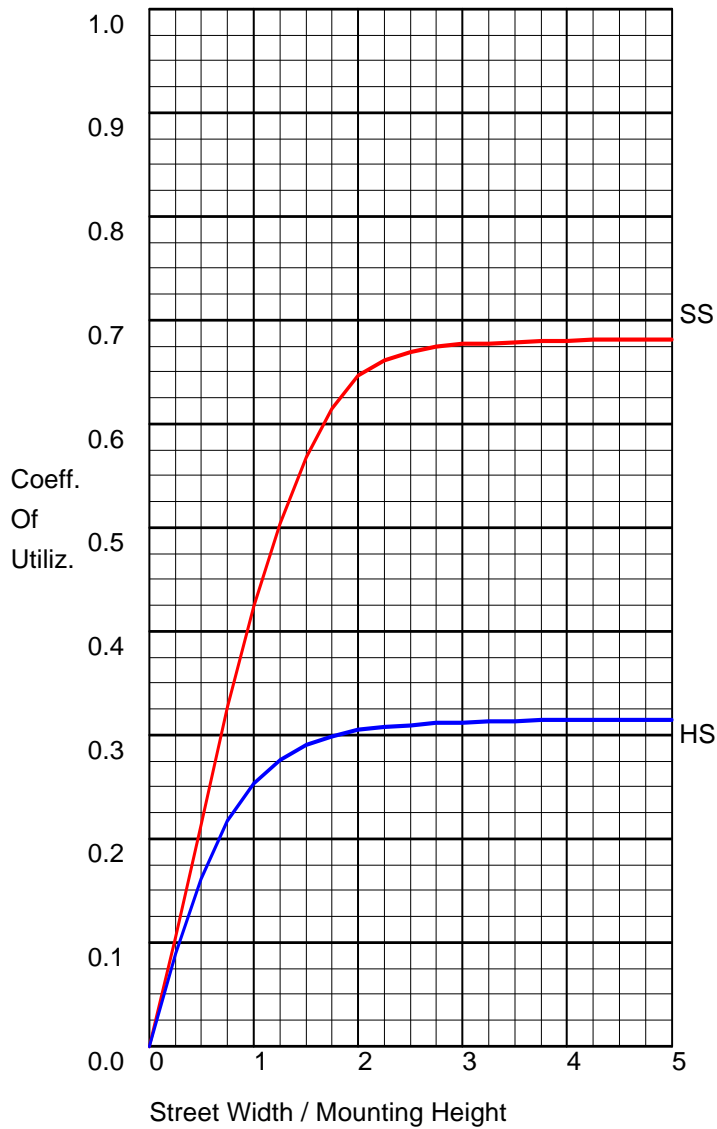
IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	6213 (1 lamp)
Total Lamp Lumens	6213
Luminaire Lumens	6213
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	53.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3512.6
Maximum Candela Angle	300H 69V
Maximum Candela (<90 Degrees Vertical)	3512.6
Maximum Candela Angle (<90 Degrees Vertical)	300H 69V
Maximum Candela At 90 Degrees Vertical	10.37 (0.2% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	406.52 (6.5% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff

IES ROAD REPORT
PHOTOMETRIC FILENAME : C42TC-L60C-BK-T3.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	493.9	7.9	7.9
FM - Front-Medium (30-60)	2248.1	36.2	36.2
FH - Front-High (60-80)	1481.9	23.9	23.9
FVH - Front-Very High (80-90)	16.8	0.3	0.3
BL - Back-Low (0-30)	384.7	6.2	6.2
BM - Back-Medium (30-60)	1145.4	18.4	18.4
BH - Back-High (60-80)	420.4	6.8	6.8
BVH - Back-Very High (80-90)	10.9	0.2	0.2
UL - Uplight-Low (90-100)	5.2	0.1	0.1
UH - Uplight-High (100-180)	5.6	0.1	0.1
Total	6212.9	100.1	100.0
BUG Rating	B2-U1-G1		

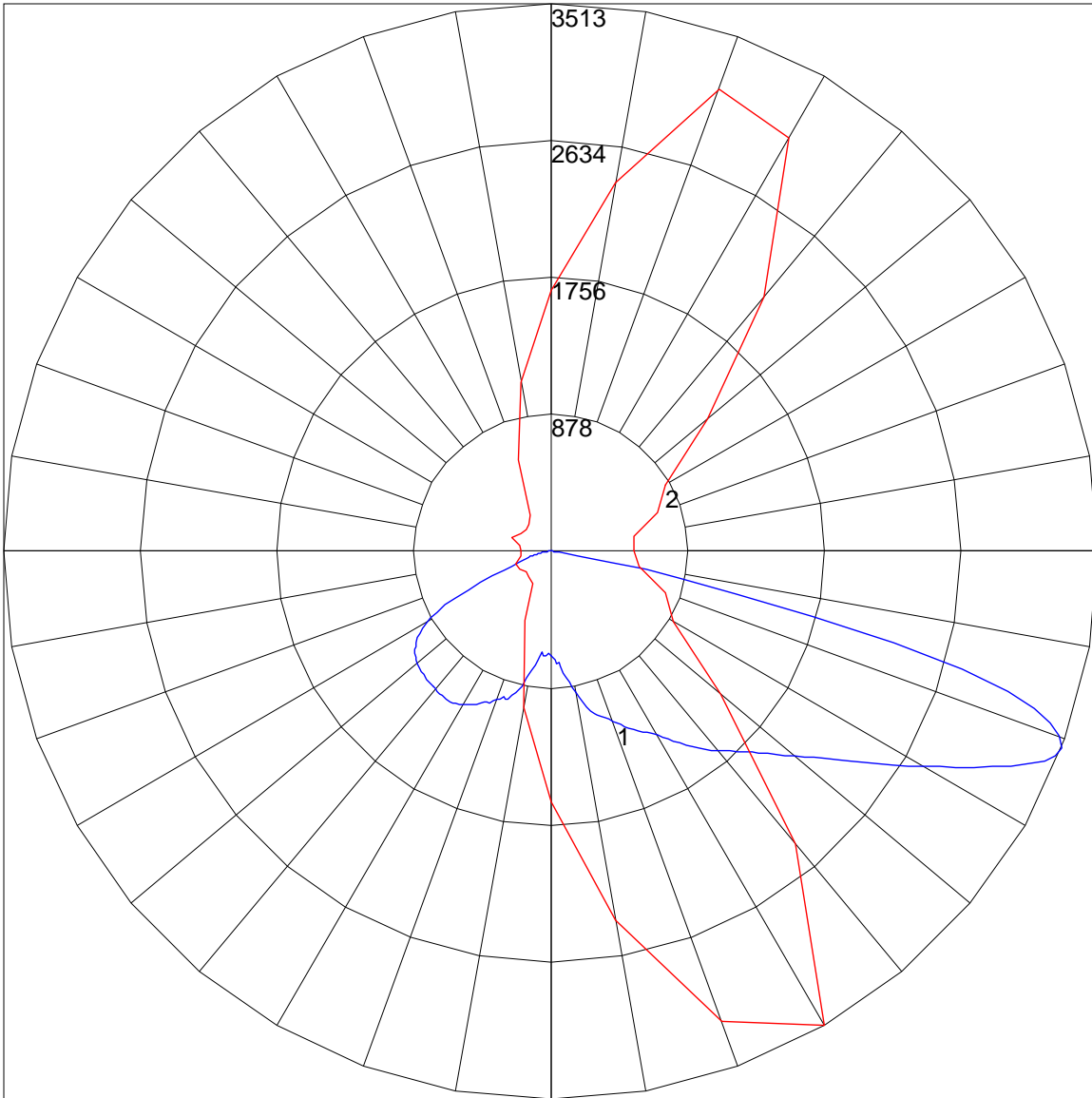
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

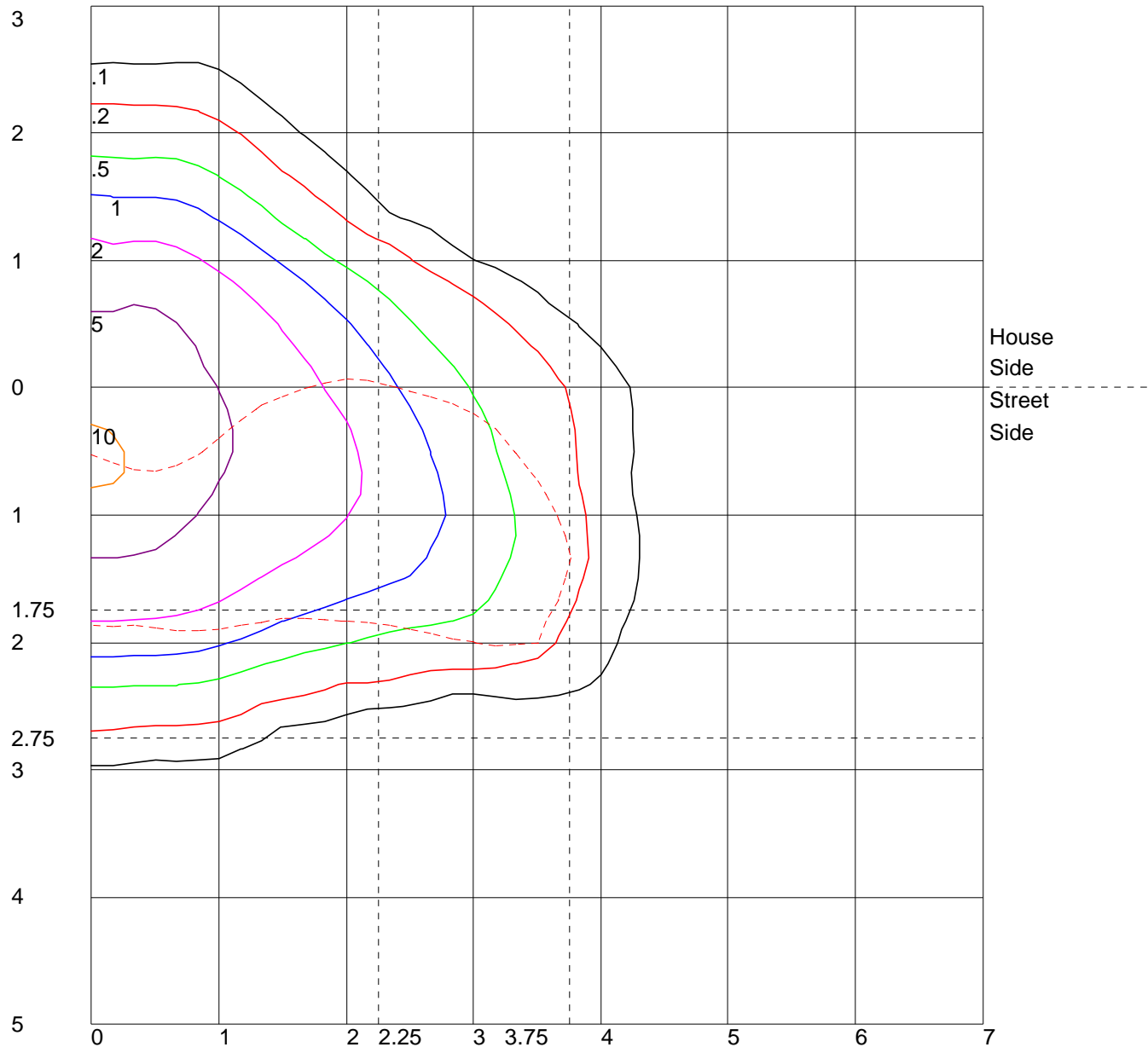
	Lumens	Percent Of Lamp
Downward Street Side	4240.7	68.3
Downward House Side	1961.4	31.6
Downward Total	6202.1	99.8
Upward Street Side	4.6	0.1
Upward House Side	6.3	0.1
Upward Total	10.9	0.2
Total Flux	6213.0	100.0

POLAR GRAPH



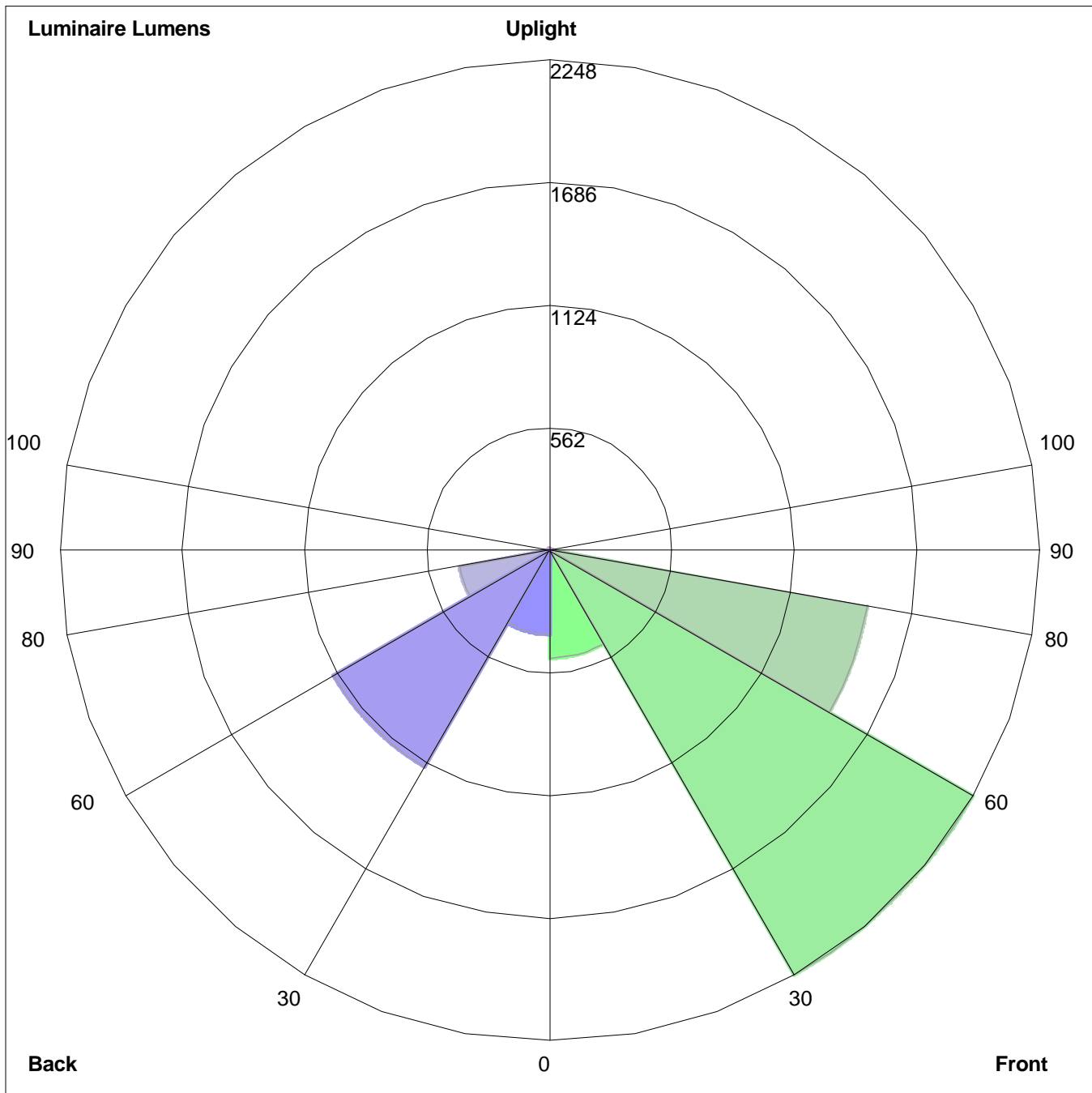
Maximum Candela = 3512.6 Located At Horizontal Angle = 300, Vertical Angle = 69
1 - Vertical Plane Through Horizontal Angles (300 - 120) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (69) (Through Max. Cd.)

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=493.9, Medium=2248.1, High=1481.9, Very High=16.8
Back: Low=384.7, Medium=1145.4, High=420.4, Very High=10.9
Uplight: Low=5.2, High=5.6

BUG Rating : B2-U1-G1