



IES ROAD REPORT

PHOTOMETRIC FILENAME : ICM-A01-LED-E1-5MQ.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA LM-63-2002
 [TEST]P83494
 [MORE]REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P20322)
 [TESTLAB]Innovations Center P2
 [ISSUE DATE]1/27/2011
 [MANUFACTURER]COOPER LIGHTING - INVUE
 [LUMINAIRE]ICM-A01-LED-E1-5MQ
 [LUMINAIRE]CON SITE MEDIUM LED LUMINAIRE
 [MORE](1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
 [ABSOLUTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
 [MORE]ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS
 [MORE]CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER
 [MORE]WITH TEST DISTANCE OF 28.75 FEET
 [ABSOLUTE]LUMENS]1849

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Cutoff Classification (deprecated)	Full Cutoff
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1849
Total Luminaire Efficiency	N.A.
Downward Total Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Upward Waste Light Ratio	0.00
Maximum Candela	1107.2
Maximum Candela Angle	43H 65V
Maximum Candela (<90 Degrees Vertical)	1107.2
Maximum Candela Angle (<90 Degrees Vertical)	43H 65V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	28.2 (1.5% Luminaire Lumens)
Total Luminaire Watts	26
Ballast Factor	1.00



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	77.5	N.A.	4.2
FM - Front-Medium (30-60)	465.7	N.A.	25.2
FH - Front-High (60-80)	373.5	N.A.	20.2
FVH - Front-Very High (80-90)	7.7	N.A.	0.4
BL - Back-Low (0-30)	77.5	N.A.	4.2
BM - Back-Medium (30-60)	465.7	N.A.	25.2
BH - Back-High (60-80)	373.5	N.A.	20.2
BVH - Back-Very High (80-90)	7.7	N.A.	0.4
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	1848.8	N.A.	100.0
BUG Rating	B1-U0-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>43</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>
0.0	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8
2.5	124.0	124.2	124.0	124.0	123.8	122.6	123.8	123.6	123.8	124.0
5.0	129.2	129.4	129.2	129.0	128.8	126.6	128.4	128.4	128.4	128.6
7.5	137.2	137.4	137.2	136.6	136.2	133.0	135.8	135.8	135.8	136.0
10.0	147.0	147.0	146.4	145.8	145.2	141.6	144.6	144.2	144.4	144.6
12.5	157.4	157.2	156.4	155.4	154.6	151.0	153.8	153.4	153.4	157.0
15.0	167.4	167.2	165.6	164.2	162.8	159.4	162.0	161.6	162.2	163.4
17.5	178.8	178.4	176.2	173.4	171.2	168.0	170.0	170.4	171.6	173.6
20.0	190.2	189.8	186.6	182.4	179.6	175.6	177.8	178.6	180.6	183.2
22.5	202.2	201.8	197.2	191.8	187.6	183.0	185.6	186.4	189.6	193.8
25.0	215.8	215.2	209.2	201.8	196.6	191.6	194.0	195.4	199.6	205.2
27.5	231.0	229.8	222.6	213.2	207.2	201.8	204.4	206.0	211.2	218.6
30.0	247.4	246.4	238.2	227.2	220.0	214.2	217.4	219.0	224.8	234.0
32.5	264.8	263.6	254.8	243.4	235.8	229.8	233.2	235.2	240.8	250.8
35.0	282.0	280.8	272.4	261.2	253.2	246.8	250.8	252.6	258.4	268.6
37.5	299.2	298.2	290.6	280.8	273.0	265.6	270.4	272.4	278.0	286.2
40.0	316.2	314.8	308.4	300.8	295.0	287.2	292.6	294.4	297.6	303.4
42.5	332.4	331.4	325.2	320.8	319.0	311.8	317.8	317.6	317.6	320.4
45.0	349.0	348.0	343.0	340.8	344.2	338.8	345.4	342.6	337.8	338.0
47.5	367.4	366.8	362.0	362.6	371.4	367.6	376.6	370.6	360.6	359.2
50.0	403.6	402.6	398.2	397.8	409.6	403.2	417.6	410.0	398.4	398.0
52.5	451.8	451.6	447.0	447.6	470.6	460.6	487.6	473.6	453.0	451.0
55.0	519.8	519.8	517.2	519.4	546.4	527.2	569.0	550.6	524.6	522.4
57.5	624.4	624.0	621.0	620.2	655.2	626.6	687.0	656.6	624.6	622.0
60.0	713.6	715.4	727.8	749.0	810.6	782.6	864.0	802.2	732.8	695.4
62.5	711.4	715.0	748.0	814.0	945.4	994.6	1045.2	913.4	776.8	720.0
65.0	600.0	605.0	648.2	742.2	935.6	1107.2	1072.4	923.4	737.2	647.4
67.5	392.0	397.4	450.0	546.0	728.2	973.8	889.0	742.0	550.6	453.8
70.0	104.6	109.6	152.0	251.6	415.6	648.2	564.6	428.8	275.2	190.4
72.5	35.4	36.0	37.8	54.8	122.0	285.4	240.4	150.4	73.2	44.4
75.0	31.6	32.0	33.0	33.6	36.6	61.4	55.0	41.6	34.2	32.4
77.5	29.0	29.2	30.4	30.8	31.2	31.2	30.4	30.6	28.4	27.4
80.0	25.4	26.2	27.8	28.2	28.2	28.0	27.2	27.0	25.6	24.6
82.5	20.2	21.0	24.2	24.8	25.4	23.4	22.8	23.0	22.8	22.0
85.0	12.4	14.2	17.6	18.4	19.0	16.2	16.0	17.0	15.8	14.6
87.5	3.2	3.4	5.6	5.6	5.8	3.6	4.0	5.2	4.6	4.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

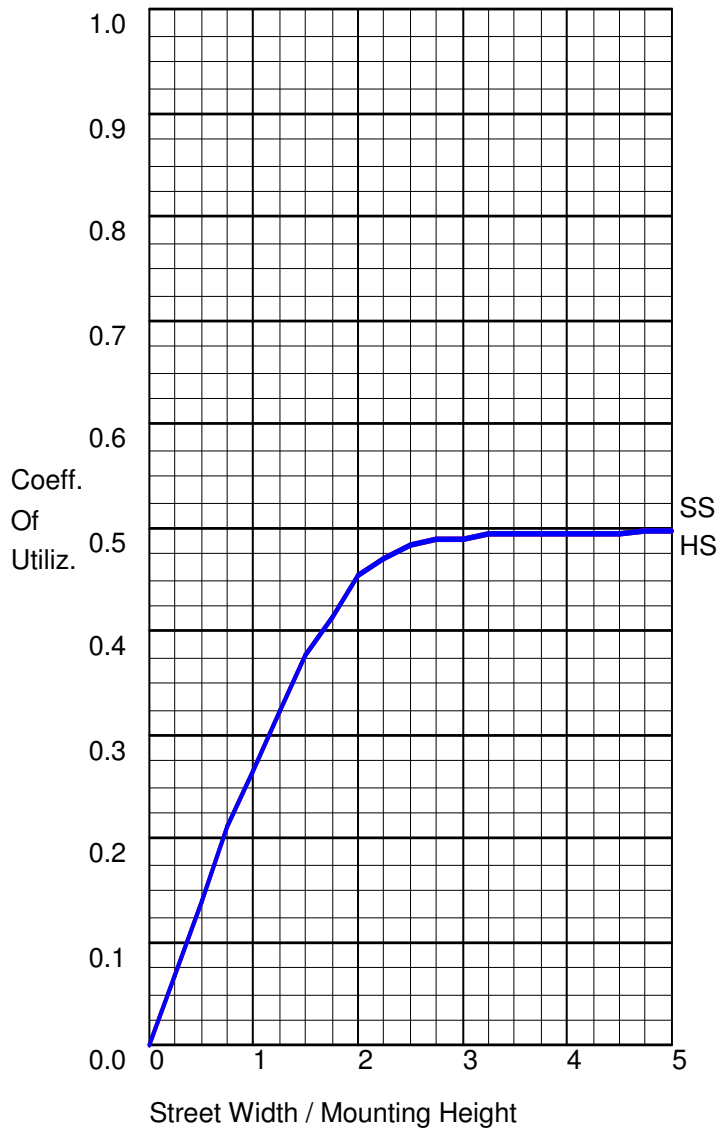
Vert. Angles	Horizontal Angles	
	<u>85</u>	<u>90</u>
0.0	122.8	122.8
2.5	124.2	124.2
5.0	129.0	128.8
7.5	136.0	136.0
10.0	144.8	144.8
12.5	154.8	154.8
15.0	164.6	164.6
17.5	175.0	175.2
20.0	186.0	186.4
22.5	197.6	198.2
25.0	210.4	211.0
27.5	225.2	226.2

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CANDELA TABULATION - (Cont.)

30.0	241.0	242.2
32.5	258.0	259.0
35.0	274.8	275.6
37.5	291.4	292.0
40.0	307.6	308.4
42.5	323.8	324.6
45.0	341.4	342.8
47.5	362.6	363.4
50.0	402.2	403.4
52.5	455.6	456.6
55.0	525.4	525.6
57.5	622.2	622.0
60.0	677.0	674.8
62.5	695.4	691.8
65.0	608.0	602.6
67.5	407.8	399.2
70.0	151.0	144.8
72.5	37.8	37.2
75.0	31.4	31.4
77.5	27.4	27.4
80.0	23.6	23.2
82.5	19.2	18.4
85.0	12.6	11.6
87.5	3.0	2.6
90.0	0.0	0.0

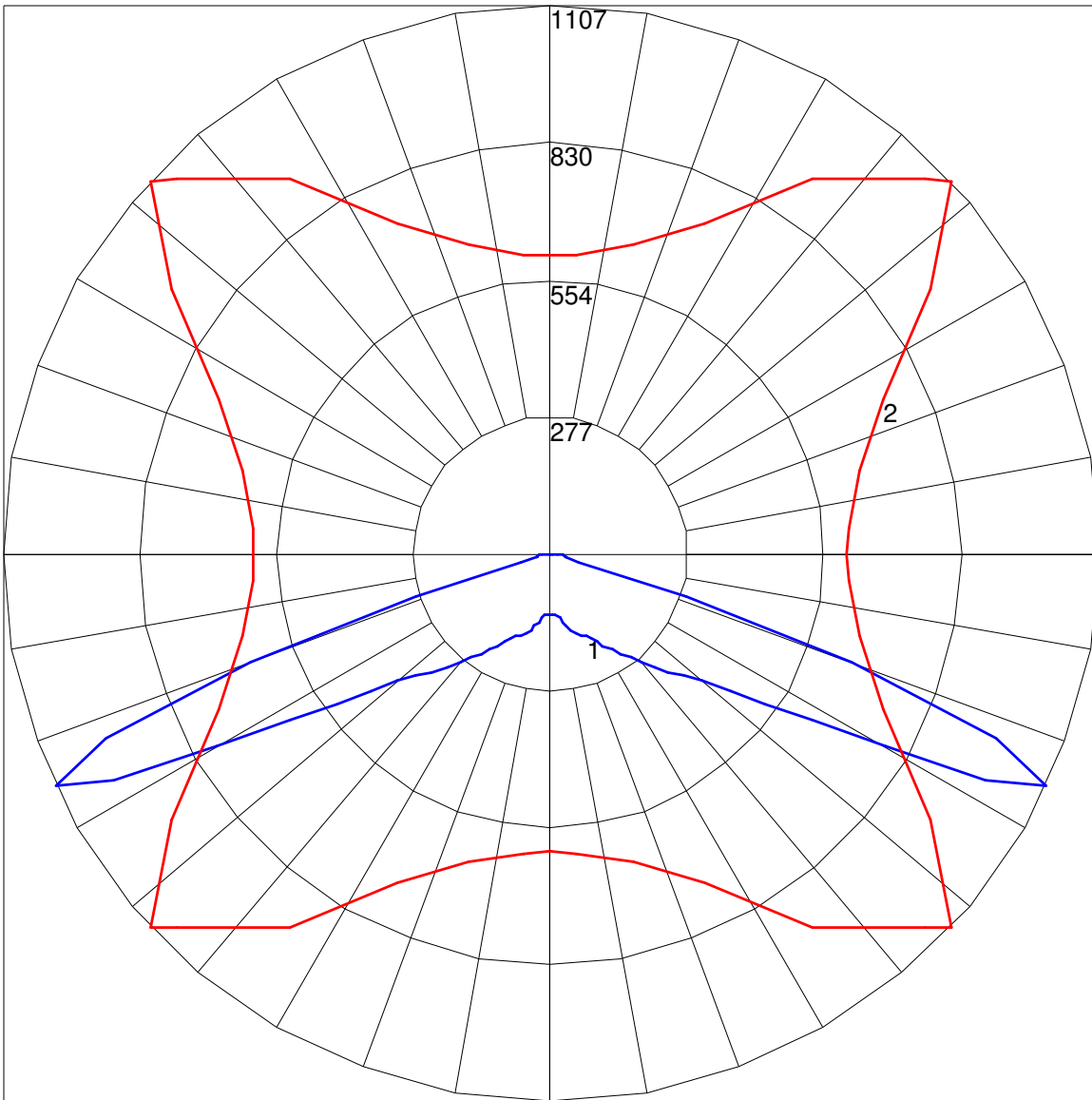
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

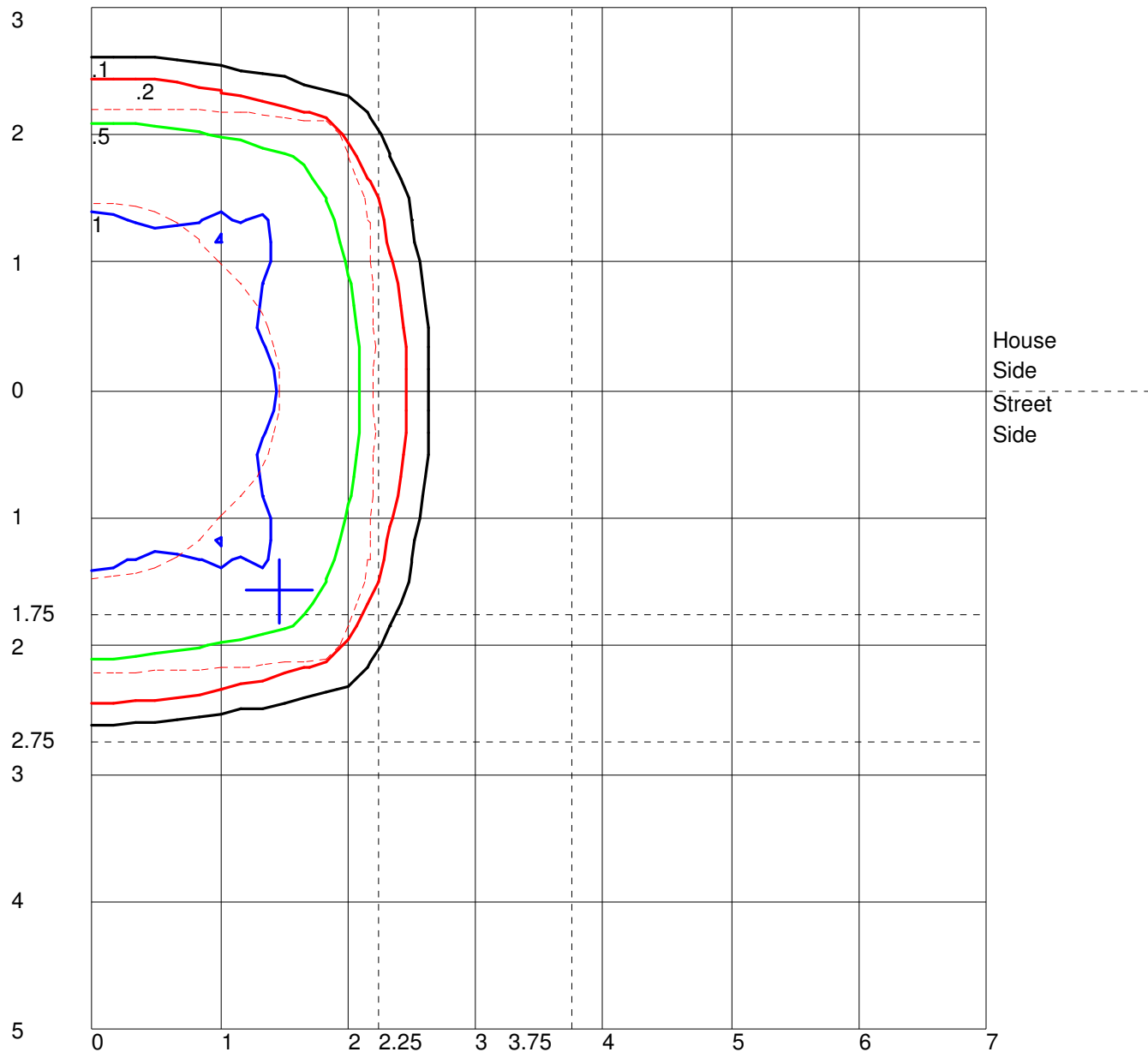
	Lumens	Percent Of Luminaire
Downward Street Side	924.3	50.0
Downward House Side	924.3	50.0
Downward Total	1848.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1848.6	100.0

POLAR GRAPH



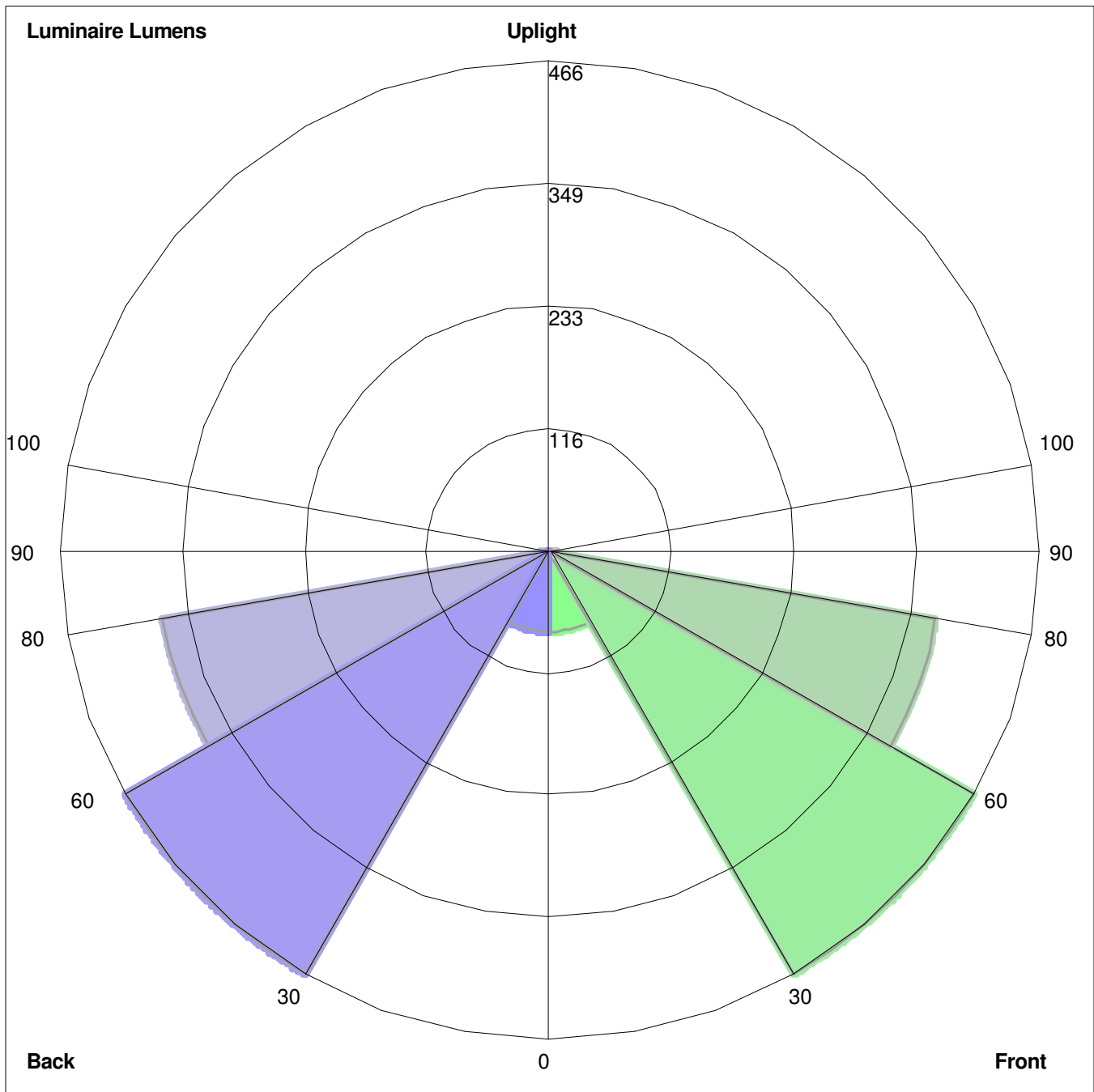
Maximum Candela = 1107.2 Located At Horizontal Angle = 43, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (43 - 223) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

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=77.5, Medium=465.7, High=373.5, Very High=7.7
Back: Low=77.5, Medium=465.7, High=373.5, Very High=7.7
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0