

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P628966

Luminaire Tested: GWS-SA1A-760-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628966
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1538.4 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G0

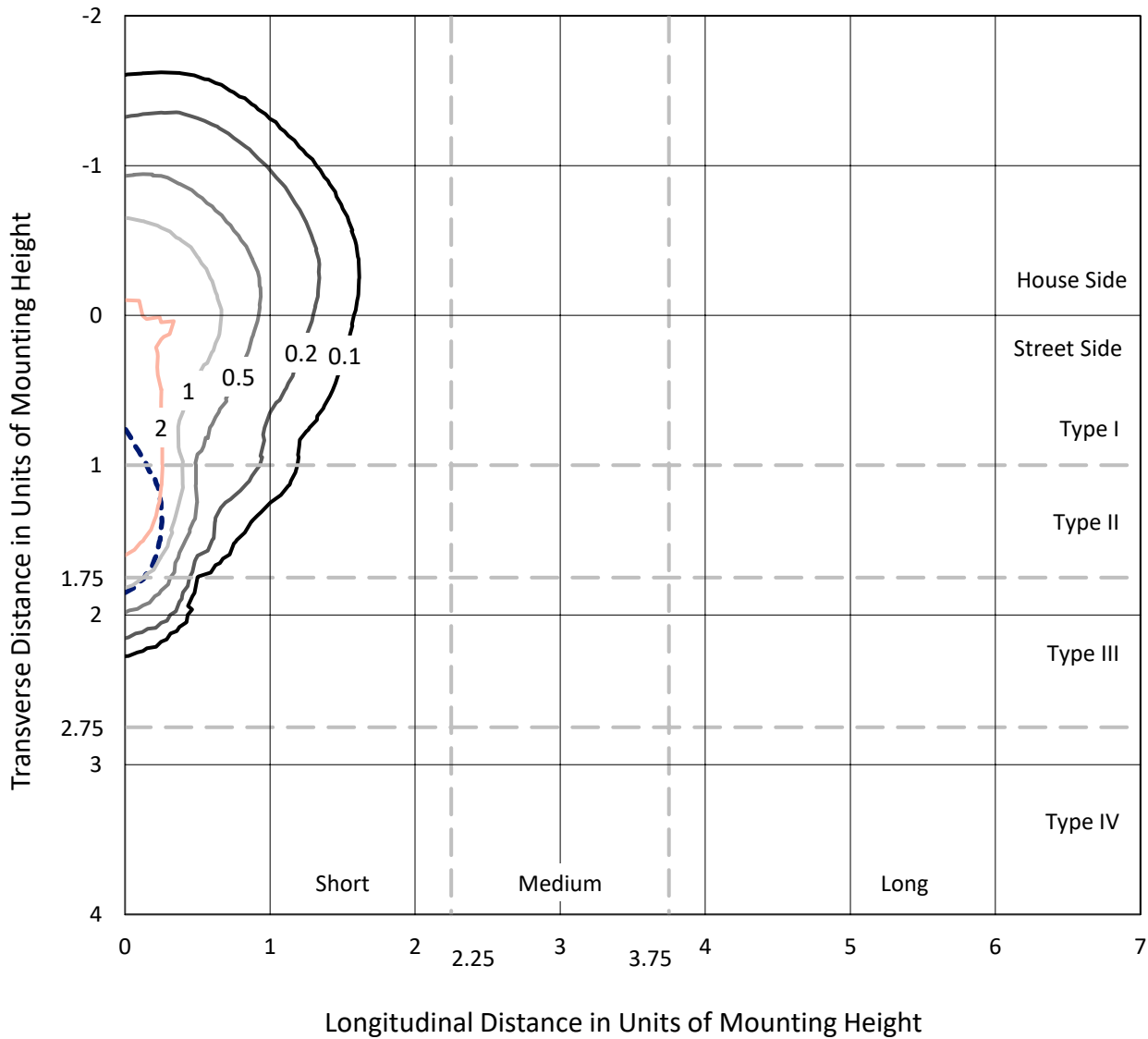
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

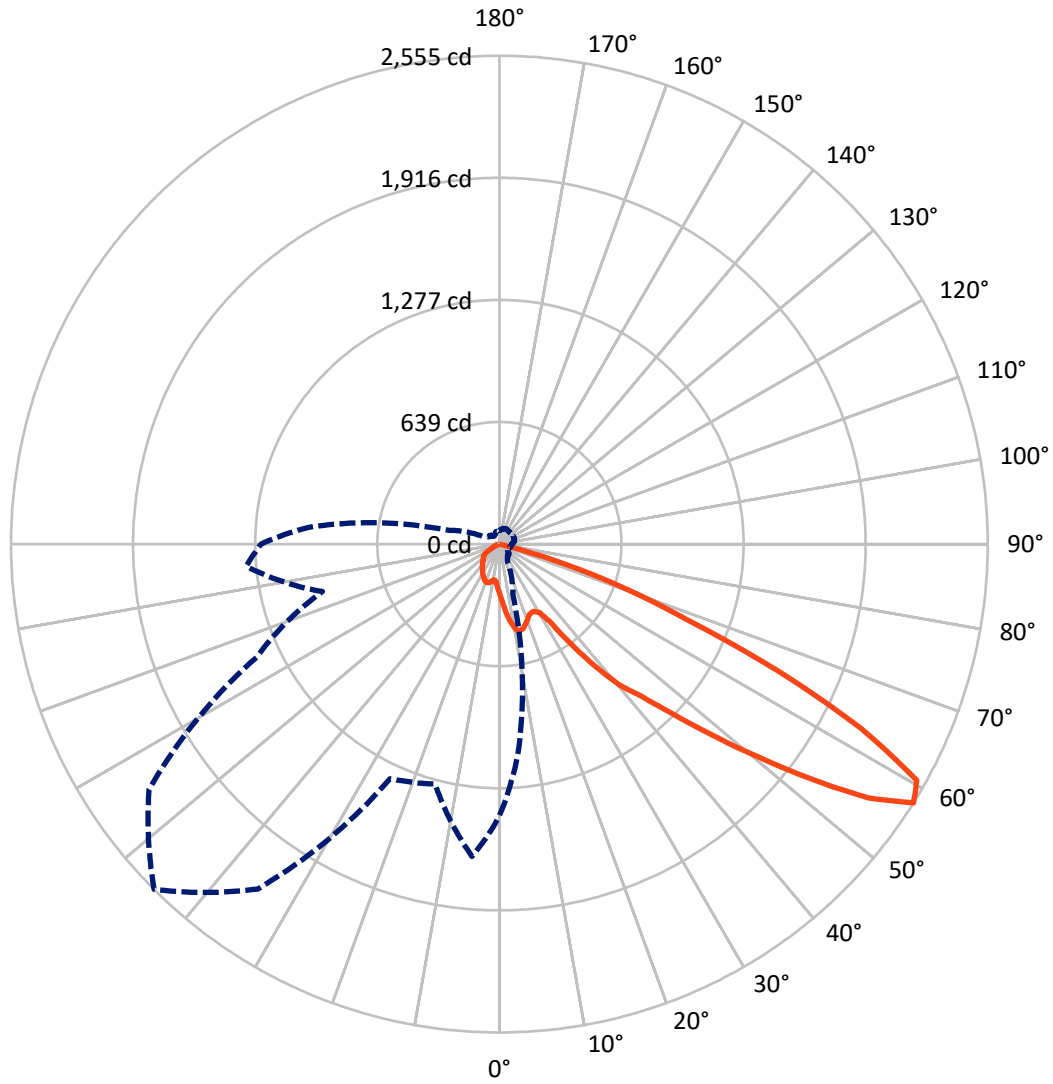
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical



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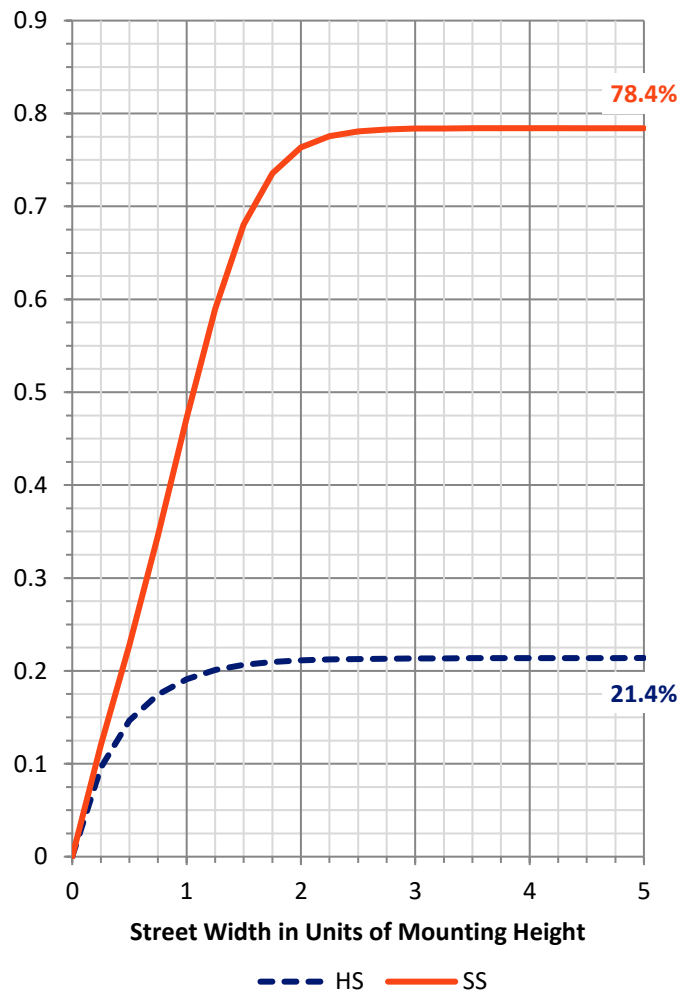
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	331.4	0.0	331.4
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	1207.0	0.0	1207.0
	% Fixture	78.5	0.0	78.5
Total	Lumens	1538.4	0.0	1538.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.8	1.7
10°-20°	85.0	5.5
20°-30°	138.0	9.0
30°-40°	211.7	13.8
40°-50°	338.2	22.0
50°-60°	473.5	30.8
60°-70°	242.8	15.8
70°-80°	23.4	1.5
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1538.4	100.0
0°-180°	1538.4	100.0

Coefficient of Utilization



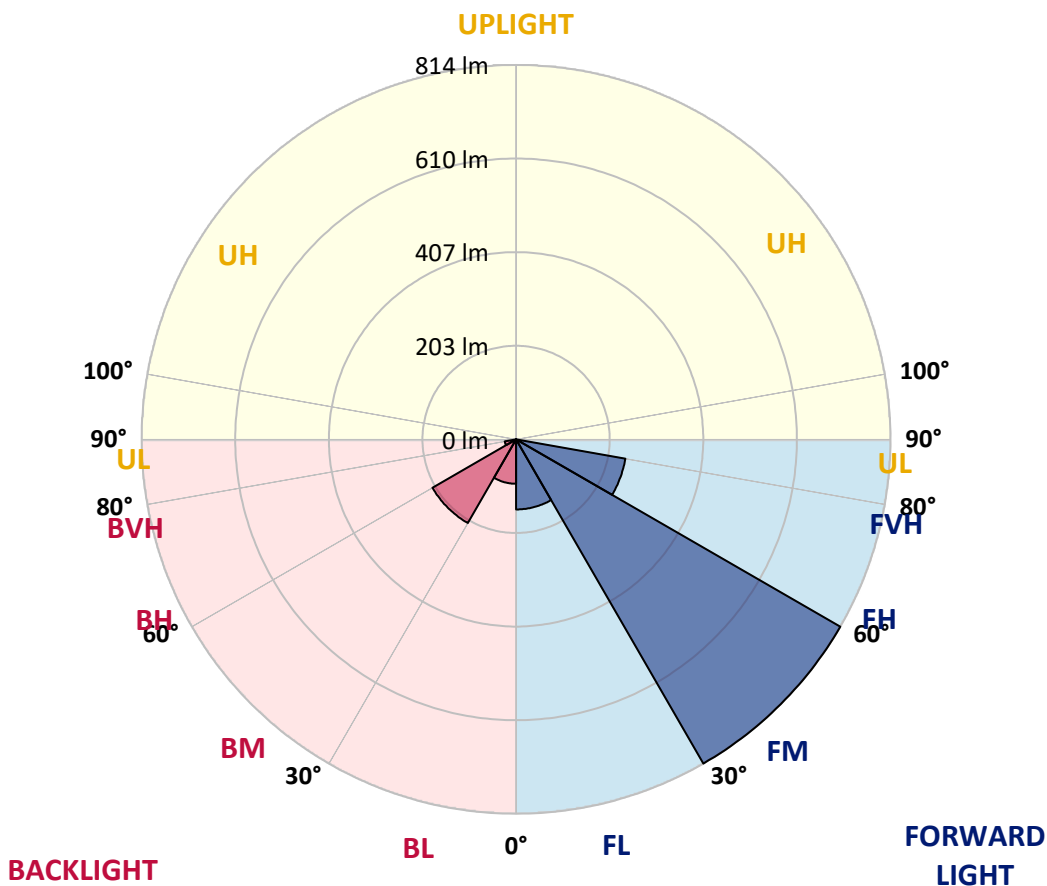
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	152.3	9.9			
FM (30°-60°)	813.5	52.9			
FH (60°-80°)	241.1	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	96.5	6.3	B0/110		
BM (30°-60°)	209.9	13.6	B0/220		
BH (60°-80°)	25.0	1.6	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4
2.5°	290.4	289.8	287.7	280.7	276.4	269.6	264.7	258.3	251.3	247.0	242.7
5°	321.2	319.6	314.0	298.0	285.7	272.3	261.6	249.9	237.3	229.1	221.5
7.5°	350.9	348.4	341.0	313.8	295.1	276.0	260.8	243.7	226.0	213.7	204.2
10°	379.9	374.3	362.6	329.3	304.0	280.9	263.0	243.5	222.7	207.1	196.6
12.5°	403.7	399.6	383.6	343.9	311.4	282.0	260.0	241.9	227.9	217.4	207.7
15°	424.3	419.8	404.5	357.0	317.7	277.8	247.0	231.2	233.4	237.5	229.3
17.5°	443.2	438.5	422.0	367.9	320.2	267.8	228.9	221.3	233.8	249.3	246.2
20°	462.7	457.4	437.2	376.8	319.4	251.9	210.6	212.9	230.5	248.2	249.9
22.5°	485.6	480.0	456.6	388.1	318.8	233.0	194.8	205.5	224.4	239.4	242.3
25°	515.8	509.2	483.5	404.7	320.4	215.7	183.5	198.3	213.9	227.5	229.1
27.5°	555.7	547.3	514.6	425.3	323.9	202.2	178.5	188.4	200.5	212.7	214.1
30°	607.7	597.0	550.1	443.2	322.3	192.7	175.2	178.5	185.7	195.6	195.8
32.5°	668.6	654.0	590.0	458.6	308.1	185.7	170.7	168.4	170.1	177.7	179.1
35°	740.2	721.3	634.1	473.2	282.2	172.1	162.5	154.9	154.2	157.9	161.4
37.5°	822.2	799.6	689.6	491.9	251.5	157.9	150.3	142.7	139.4	141.3	146.6
40°	897.9	872.8	747.6	514.6	220.3	145.2	136.1	128.3	124.4	125.0	131.6
42.5°	986.8	960.9	818.5	544.2	194.4	136.6	121.3	113.3	108.2	111.1	118.7
45°	1121.7	1092.3	922.0	569.9	173.8	134.5	108.4	97.1	94.6	99.5	108.6
47.5°	1306.0	1270.0	1064.1	585.5	156.3	136.4	99.3	83.9	84.5	90.1	99.1
50°	1488.8	1449.9	1228.4	565.0	141.9	132.7	94.8	73.6	77.5	82.5	90.7
52.5°	1614.5	1563.9	1308.4	505.5	128.7	118.7	94.4	64.0	71.4	73.0	80.0
55°	1619.4	1557.1	1267.5	398.6	110.9	100.2	90.1	55.9	64.6	65.2	71.2
57.5°	1419.5	1363.1	1107.7	273.7	98.5	73.4	71.8	48.9	53.1	58.2	61.9
60°	1079.9	1032.0	828.4	125.5	74.9	46.7	49.2	42.2	39.7	47.3	51.0
62.5°	661.4	630.8	496.9	55.5	47.7	24.9	29.8	33.5	29.8	32.7	35.8
65°	262.6	249.1	188.6	23.7	19.5	12.5	13.6	19.5	21.0	23.0	25.9
67.5°	45.7	43.2	31.7	10.5	8.0	7.6	6.6	9.0	12.8	14.2	16.5
70°	6.0	5.8	5.1	4.3	4.1	3.7	2.9	5.8	8.6	9.0	10.5
72.5°	1.4	1.2	1.2	1.0	1.2	0.4	0.4	3.1	6.2	6.4	7.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.9	4.3	5.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4
2.5°	239.2	235.1	233.6	231.6	228.9	229.7	226.0	224.8	226.6	229.1	228.5
5°	217.4	212.9	209.8	205.0	204.2	202.4	201.1	199.5	201.5	204.4	205.0
7.5°	200.1	196.2	193.1	191.7	190.6	189.8	187.4	186.1	186.1	187.4	188.4
10°	192.7	189.8	189.2	189.6	191.3	191.1	188.8	187.2	185.1	184.1	185.3
12.5°	203.0	198.3	197.4	197.6	199.7	199.5	197.0	195.0	194.6	195.0	198.9
15°	220.5	213.3	207.9	206.9	207.9	207.5	205.7	204.4	205.0	211.0	217.6
17.5°	236.1	225.0	215.3	211.6	211.4	210.8	209.0	208.5	211.6	222.7	232.4
20°	240.6	229.7	215.9	211.2	210.2	209.6	207.5	208.1	212.0	225.4	233.6
22.5°	234.7	224.2	209.8	205.0	204.2	204.0	202.0	202.8	206.1	217.8	224.6
25°	223.3	214.5	199.5	195.4	195.4	195.0	193.1	193.5	195.6	205.9	212.4
27.5°	209.6	201.1	188.6	184.5	185.1	185.7	183.5	182.8	184.5	194.1	198.1
30°	193.7	187.8	177.9	174.2	174.0	176.5	173.4	172.6	174.8	182.4	183.2
32.5°	178.3	175.4	168.4	165.6	165.8	166.2	164.5	164.5	166.6	170.7	170.5
35°	163.3	161.4	160.2	158.2	157.9	157.1	157.1	157.5	159.8	161.2	158.6
37.5°	148.9	150.8	152.2	150.1	148.5	148.5	148.5	150.3	152.4	151.8	147.3
40°	136.1	140.1	144.6	142.3	138.4	138.2	139.0	142.1	145.2	141.5	137.4
42.5°	125.2	130.2	136.6	135.3	131.0	130.4	131.0	134.9	137.4	132.7	128.1
45°	114.6	120.7	128.3	128.3	123.6	123.0	123.2	128.3	129.8	124.2	118.5
47.5°	105.5	112.3	120.3	120.3	116.4	115.2	116.2	121.5	122.6	114.8	109.4
50°	96.9	104.3	113.1	112.5	109.8	108.8	110.6	116.4	115.2	106.5	101.0
52.5°	86.0	93.8	105.9	106.5	105.1	105.3	107.6	111.3	107.8	97.3	92.5
55°	76.1	84.1	96.3	99.5	99.5	99.3	100.4	103.2	100.4	87.8	82.1
57.5°	65.4	72.2	82.3	83.1	83.7	81.4	82.9	86.8	85.3	74.7	71.4
60°	53.7	59.4	65.2	65.8	63.1	58.4	61.1	65.6	66.6	58.6	54.9
62.5°	38.0	43.6	50.4	50.4	47.7	43.0	46.5	50.4	48.9	40.7	38.5
65°	28.4	33.5	38.7	40.9	38.7	35.4	38.0	40.9	38.7	31.9	28.6
67.5°	18.3	21.8	24.9	26.7	27.1	26.7	28.0	27.1	24.5	19.9	18.1
70°	11.1	13.0	14.6	16.2	17.5	18.1	18.7	16.9	14.2	11.7	11.1
72.5°	8.0	9.7	11.1	12.3	13.8	14.2	14.2	13.0	10.5	8.2	7.6
75°	5.6	7.0	8.2	9.0	10.3	10.7	10.7	9.7	7.8	6.0	5.3
77.5°	0.2	1.4	1.4	1.2	1.6	2.1	2.1	2.5	2.3	1.6	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4
2.5°	229.7	237.1	239.2	246.8	253.6	260.4	268.6	273.5	280.9	286.1	289.0
5°	207.1	213.3	220.7	232.0	243.7	256.7	272.3	285.9	302.9	315.5	319.6
7.5°	190.6	198.7	207.3	221.5	237.5	254.8	276.8	299.0	325.2	342.2	353.1
10°	187.6	195.8	207.3	221.3	238.2	257.9	284.8	313.6	346.3	367.1	379.4
12.5°	202.4	211.2	216.2	222.5	235.3	257.3	291.8	328.4	366.9	389.5	402.7
15°	224.2	232.0	224.0	215.9	224.2	250.7	295.7	340.8	385.0	411.1	424.7
17.5°	239.2	239.8	222.3	205.3	207.5	238.8	297.2	353.1	404.3	431.7	445.9
20°	237.7	232.8	215.1	196.2	189.2	223.3	295.5	364.0	423.9	452.5	466.4
22.5°	226.6	220.9	205.9	187.4	173.8	205.0	292.7	373.9	441.8	474.3	487.4
25°	213.3	207.1	194.8	178.5	163.9	187.4	290.4	387.5	464.4	502.6	512.9
27.5°	197.6	192.3	181.8	170.1	159.8	174.0	289.8	405.4	491.7	537.2	544.4
30°	182.4	177.5	169.3	162.5	158.2	166.2	287.7	424.5	524.4	576.9	584.7
32.5°	167.8	162.9	157.7	156.7	156.9	163.3	280.7	443.4	563.3	634.5	640.2
35°	155.3	149.5	147.5	149.9	154.5	158.4	261.0	459.0	605.1	697.2	701.9
37.5°	143.3	137.6	137.4	143.3	148.3	150.8	237.7	474.5	661.4	761.0	766.9
40°	132.4	126.7	128.7	135.9	139.9	141.1	209.6	497.9	721.1	828.2	824.9
42.5°	123.2	117.2	118.5	127.7	131.2	134.5	183.7	517.4	778.4	892.0	890.9
45°	114.1	109.6	108.8	118.9	122.0	135.1	164.7	532.5	852.3	973.2	974.8
47.5°	105.3	101.8	102.0	106.3	113.9	138.2	148.7	542.3	959.4	1101.9	1073.4
50°	97.3	94.6	96.9	91.9	108.8	134.3	134.9	540.3	1079.1	1225.3	1168.0
52.5°	88.4	87.8	88.8	76.9	100.6	118.5	122.0	512.9	1135.3	1309.7	1277.0
55°	79.4	79.2	71.0	61.5	84.1	94.6	104.5	428.0	1133.4	1354.5	1394.2
57.5°	68.7	67.0	53.9	50.2	65.4	65.8	95.2	280.3	1004.5	1247.1	1329.4
60°	52.0	50.8	39.5	40.7	45.7	42.2	75.9	139.6	750.7	971.5	1064.3
62.5°	36.0	34.3	29.4	31.5	29.4	24.1	46.5	69.1	454.7	613.5	697.6
65°	26.3	24.5	20.2	17.3	13.8	13.8	17.7	26.5	176.0	260.8	314.5
67.5°	16.2	15.4	11.9	8.6	8.4	9.0	9.3	13.2	28.4	45.2	55.3
70°	10.5	9.7	8.0	5.6	5.1	5.3	5.6	6.2	7.2	7.8	9.5
72.5°	7.2	6.8	5.8	3.1	2.5	2.7	2.9	2.9	3.5	3.3	3.9
75°	5.1	4.7	4.1	1.4	0.8	1.0	1.2	1.0	1.2	0.8	1.0
77.5°	1.4	1.4	1.0	0.2	0.0	0.2	0.4	0.4	0.2	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4
2.5°	296.4	301.1	302.9	300.3	302.5	298.8	297.4	291.8	291.4	290.4
5°	336.3	347.0	353.3	357.2	352.7	347.8	340.4	327.6	323.7	321.2
7.5°	375.5	392.2	403.1	408.2	407.0	396.9	383.6	362.2	354.6	350.9
10°	409.7	430.0	443.2	449.6	446.9	438.1	418.9	392.2	382.1	379.9
12.5°	433.5	452.3	461.3	466.9	467.1	463.6	445.5	418.5	406.6	403.7
15°	448.5	456.6	456.8	460.1	465.8	473.6	465.2	441.4	428.6	424.3
17.5°	458.0	449.2	440.1	440.9	450.4	471.2	479.8	461.5	447.9	443.2
20°	464.8	436.8	420.0	420.2	429.8	461.3	489.9	481.0	467.1	462.7
22.5°	469.1	425.9	401.9	401.2	411.5	449.6	499.1	504.3	490.5	485.6
25°	478.0	420.8	391.0	394.5	403.5	445.9	511.7	535.1	522.4	515.8
27.5°	493.8	425.9	389.9	398.0	408.2	456.8	533.5	576.3	563.1	555.7
30°	521.1	445.3	405.8	416.9	429.2	485.4	570.1	633.6	614.7	607.7
32.5°	565.2	485.4	454.7	478.6	490.5	532.3	625.0	698.0	682.6	668.6
35°	625.8	576.9	573.4	628.9	626.0	621.1	692.5	777.0	753.8	740.2
37.5°	709.3	724.1	750.1	805.2	803.3	765.7	781.1	851.6	839.7	822.2
40°	813.6	845.1	889.1	968.1	943.4	896.1	889.9	928.2	918.5	897.9
42.5°	875.1	929.4	1013.3	1084.3	1064.5	981.8	974.8	1030.4	1009.2	986.8
45°	903.7	998.1	1162.6	1258.7	1198.8	1038.8	1036.1	1163.6	1151.7	1121.7
47.5°	916.8	1067.4	1337.4	1482.8	1370.9	1088.8	1079.1	1357.0	1341.3	1306.0
50°	931.4	1163.0	1548.0	1742.6	1578.9	1145.3	1152.3	1537.1	1530.5	1488.8
52.5°	963.5	1264.2	1807.4	2039.6	1831.0	1234.0	1278.0	1707.0	1662.6	1614.5
55°	1011.7	1374.4	2077.2	2342.9	2088.3	1353.1	1413.9	1797.3	1672.7	1619.4
57.5°	958.4	1402.0	2237.0	2554.7	2202.4	1353.5	1299.0	1640.8	1471.1	1419.5
60°	760.5	1304.3	2175.5	2508.9	2105.2	1201.9	994.6	1281.1	1114.5	1079.9
62.5°	514.2	1093.9	1915.1	2121.8	1801.8	945.4	646.4	833.1	690.0	661.4
65°	281.8	816.1	1547.4	1605.2	1410.2	660.4	332.6	361.6	275.4	262.6
67.5°	77.7	568.0	1138.5	1064.9	989.4	430.0	86.0	64.6	46.1	45.7
70°	19.5	375.7	682.2	703.2	606.7	275.4	16.5	7.8	6.2	6.0
72.5°	8.2	161.7	323.7	372.0	310.6	127.5	6.0	2.3	1.9	1.4
75°	1.0	13.0	27.6	41.7	28.6	13.8	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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