

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: P628860

Luminaire Tested: GWS-SA1A-740-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-740-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1517.1 lumens
Efficiency: N/A
Efficacy: 77.0 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

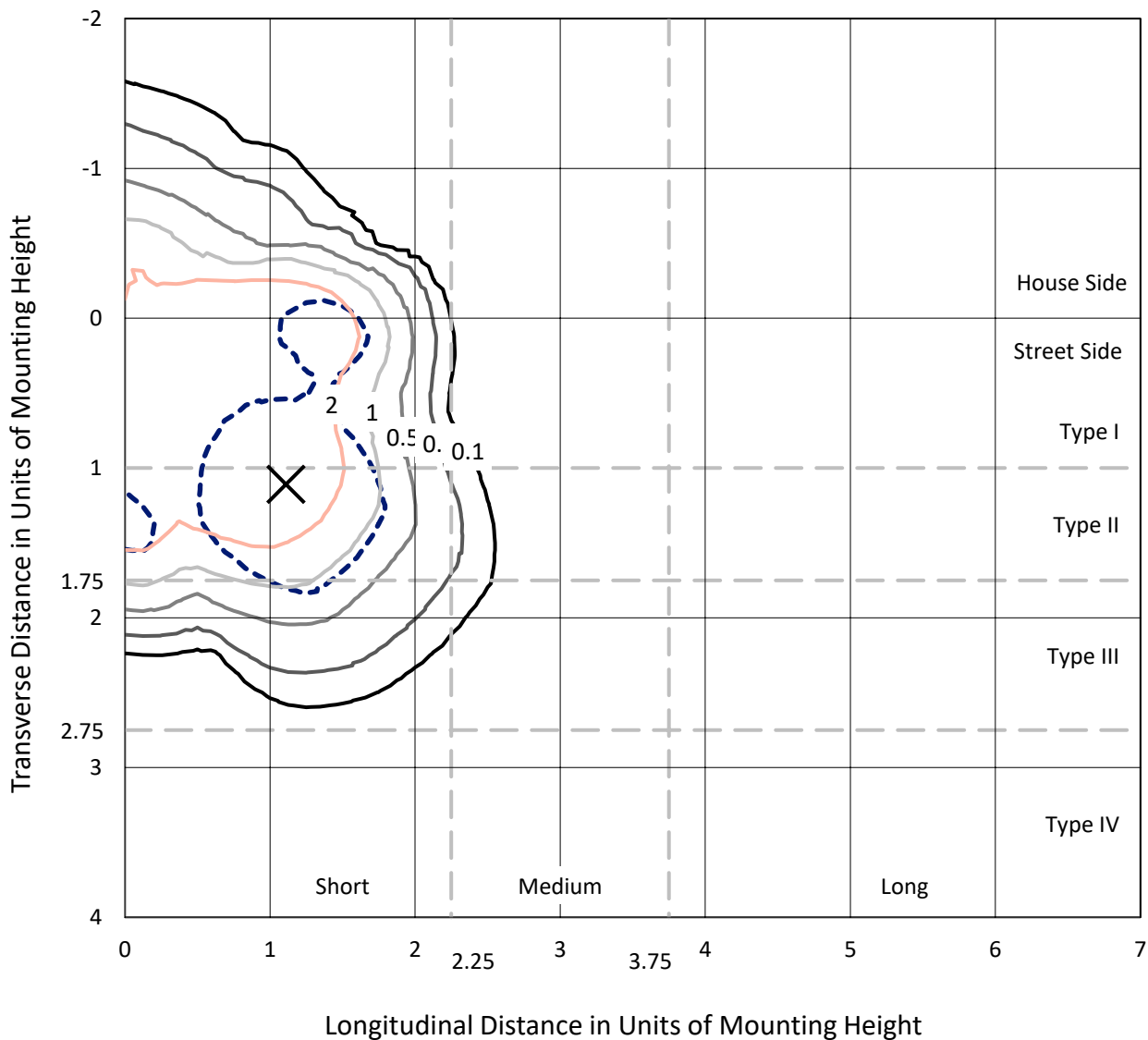
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

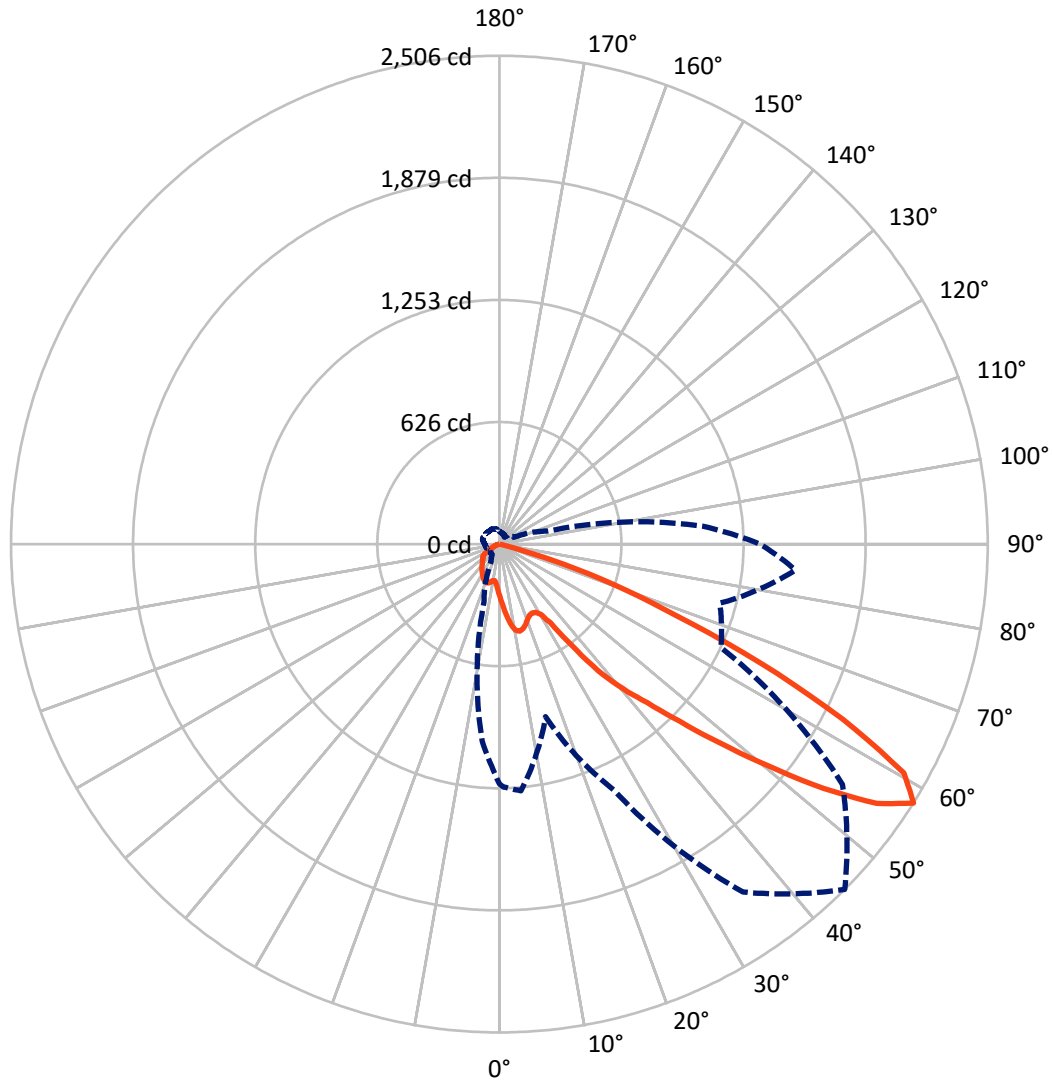
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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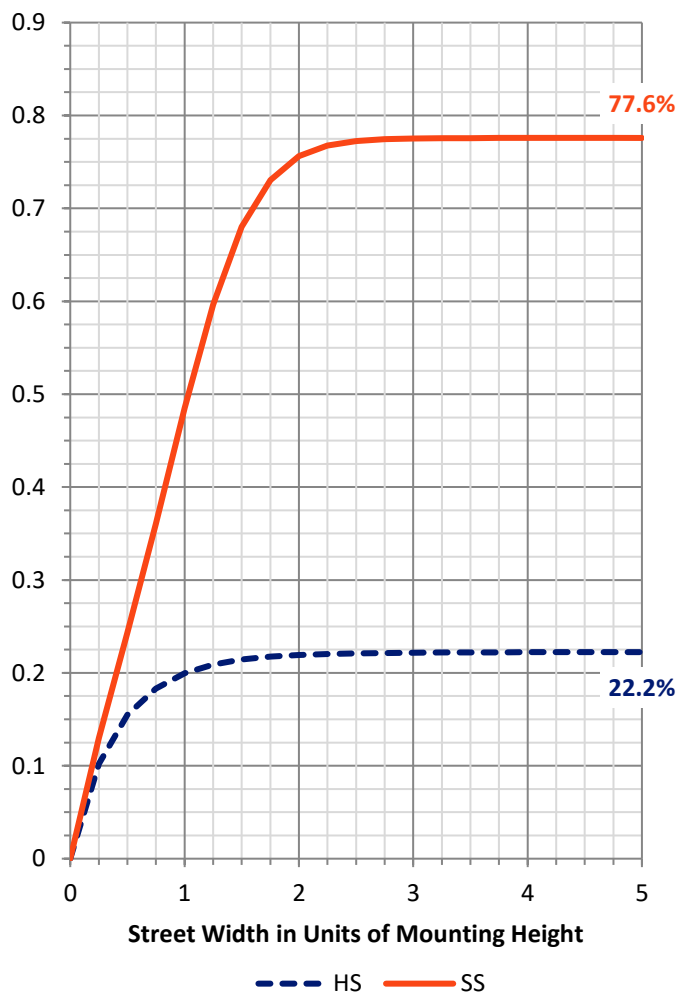
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	339.7	0.0	339.7
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	1177.4	0.0	1177.4
	% Fixture	77.6	0.0	77.6
Total	Lumens	1517.1	0.0	1517.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.2	1.7
10°-20°	84.9	5.6
20°-30°	137.8	9.1
30°-40°	213.0	14.0
40°-50°	341.5	22.5
50°-60°	466.8	30.8
60°-70°	226.1	14.9
70°-80°	20.7	1.4
80°-90°	0.1	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°	1517.1	100.0
0°-180°	1517.1	100.0

Coefficient of Utilization



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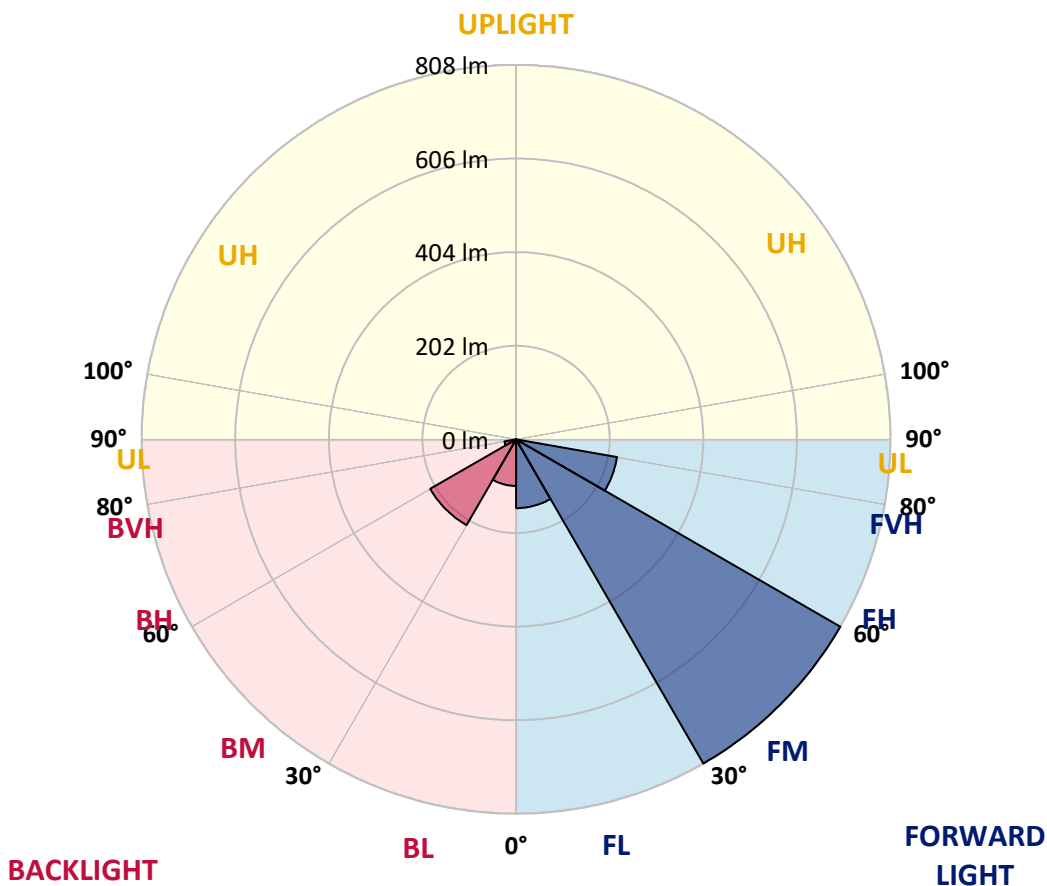
CATALOG NUMBER: GWS-SA1A-740-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	148.4	9.8			
FM (30°-60°)	807.6	53.2			
FH (60°-80°)	221.3	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	100.5	6.6	B0/110		
BM (30°-60°)	213.7	14.1	B0/220		
BH (60°-80°)	25.5	1.7	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°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6
2.5°	288.9	290.7	293.8	300.3	305.8	309.5	311.1	310.7	308.4	306.8	303.5
5°	319.9	319.9	325.8	340.6	352.1	359.2	362.9	360.6	356.1	349.0	338.0
7.5°	347.0	348.0	358.0	379.2	396.5	406.7	412.6	411.4	403.4	389.8	367.8
10°	368.2	369.4	382.6	408.5	428.9	439.3	448.1	448.9	440.1	422.0	396.7
12.5°	388.8	390.0	403.8	428.7	446.7	450.9	458.7	461.7	459.5	446.7	420.4
15°	411.0	413.8	425.7	444.2	451.7	446.7	451.7	457.3	464.8	463.6	439.9
17.5°	432.8	434.8	446.9	453.4	445.0	431.8	434.2	440.7	457.9	474.6	459.3
20°	453.0	455.8	465.8	457.3	432.0	411.4	411.6	420.2	446.2	481.3	479.1
22.5°	474.2	478.5	485.6	461.5	419.9	395.3	396.3	404.0	437.1	487.6	501.5
25°	501.9	506.0	510.7	472.1	416.1	387.3	391.2	398.3	437.1	498.4	529.2
27.5°	539.4	542.3	542.5	491.9	422.8	388.6	396.7	404.9	450.1	520.0	566.3
30°	586.5	591.0	585.1	522.7	443.8	404.9	416.9	427.1	478.3	556.5	621.0
32.5°	643.8	650.1	642.2	568.4	487.6	461.1	482.9	488.9	523.1	609.3	682.9
35°	711.1	716.4	707.8	631.6	590.0	594.9	634.4	626.9	613.2	674.4	755.3
37.5°	784.9	789.7	773.2	727.4	741.2	762.4	825.6	799.7	755.7	758.1	833.8
40°	852.5	857.8	831.9	831.5	860.1	898.8	975.1	939.4	879.4	867.8	907.4
42.5°	922.7	926.3	902.9	887.0	951.8	1031.5	1112.3	1064.1	961.4	948.8	999.5
45°	1022.8	1030.5	988.7	914.3	1034.4	1184.2	1296.7	1202.8	1017.3	1007.1	1140.6
47.5°	1169.9	1175.7	1090.4	931.4	1111.2	1374.4	1527.3	1382.6	1066.4	1043.1	1333.4
50°	1291.6	1295.5	1184.0	950.2	1193.0	1579.5	1790.1	1595.8	1121.6	1102.9	1513.4
52.5°	1381.3	1396.0	1306.9	988.7	1300.4	1820.7	2081.0	1848.4	1207.9	1218.3	1662.7
55°	1399.9	1419.9	1390.9	1012.4	1395.0	2066.3	2349.7	2074.5	1293.9	1305.7	1712.8
57.5°	1230.3	1246.2	1270.2	917.0	1392.8	2178.8	2505.6	2149.5	1254.7	1171.0	1525.1
60°	921.6	932.7	976.3	700.9	1280.8	2079.4	2384.1	2021.9	1097.2	893.5	1162.0
62.5°	546.5	551.4	606.7	454.0	1063.1	1790.7	1977.2	1744.6	867.0	601.0	711.7
65°	209.8	207.7	249.9	224.0	781.8	1426.4	1470.6	1330.0	594.9	275.4	271.3
67.5°	32.4	31.0	41.8	66.3	563.9	988.5	970.4	958.5	372.7	64.2	56.1
70°	7.3	7.3	9.0	19.6	344.5	580.8	621.6	592.6	238.5	13.7	7.3
72.5°	3.5	3.5	4.3	8.4	124.8	239.3	278.9	274.6	77.5	4.5	2.7
75°	1.2	1.4	1.4	1.8	7.5	12.4	28.5	20.4	4.9	0.0	0.0
77.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.2	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°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6
2.5°	296.4	295.0	289.7	282.5	275.6	269.5	263.2	255.6	250.1	243.8	241.8
5°	329.4	320.5	306.0	290.9	277.0	265.2	253.8	241.6	232.6	223.6	220.6
7.5°	357.4	344.1	320.7	298.0	279.1	262.4	245.9	229.1	216.1	205.5	202.2
10°	382.4	367.1	335.8	307.8	284.0	264.6	244.6	223.6	206.7	194.1	191.0
12.5°	404.0	386.3	348.6	315.2	286.0	263.8	244.4	227.7	212.4	197.9	194.1
15°	422.2	402.6	359.4	320.1	283.0	253.6	236.7	234.0	232.8	216.9	209.4
17.5°	439.9	417.9	368.2	322.3	274.4	235.7	223.4	235.5	248.3	237.9	228.3
20°	458.5	433.4	377.1	322.7	260.1	215.5	213.4	232.4	248.7	245.4	236.5
22.5°	480.3	452.8	388.3	322.5	242.2	198.4	206.1	226.5	239.7	239.5	232.4
25°	511.9	477.2	403.4	323.7	222.6	185.1	197.9	216.5	227.3	226.9	221.0
27.5°	545.7	506.4	423.0	326.8	205.9	177.4	188.4	202.8	212.2	211.8	206.7
30°	593.2	540.0	441.8	327.0	193.9	173.3	177.8	187.8	196.7	195.7	191.8
32.5°	650.9	577.9	457.5	315.4	186.3	169.4	166.8	171.9	178.8	177.4	176.3
35°	720.6	623.0	470.9	289.9	174.7	161.7	154.5	155.5	160.4	161.3	160.8
37.5°	800.1	676.6	487.6	256.2	159.0	150.4	140.9	140.1	142.9	145.6	147.6
40°	878.6	736.9	510.3	222.2	144.7	136.2	127.0	125.0	126.2	130.9	135.2
42.5°	966.9	806.9	534.7	193.1	135.0	120.5	111.7	107.8	111.3	118.8	123.9
45°	1094.1	904.9	558.6	169.8	130.9	106.6	94.8	94.4	98.3	108.0	113.8
47.5°	1272.7	1031.7	574.3	151.7	130.7	95.8	81.7	84.2	88.7	98.3	104.8
50°	1446.8	1190.5	556.9	137.8	126.4	88.7	72.0	76.9	81.3	89.7	96.4
52.5°	1551.8	1275.9	489.5	124.8	113.1	85.4	62.4	70.9	71.8	79.3	86.4
55°	1540.8	1220.7	374.9	104.6	93.6	80.7	52.4	64.0	64.4	70.1	76.2
57.5°	1337.3	1048.0	257.5	84.8	70.3	66.7	43.2	54.0	57.9	61.4	65.8
60°	996.7	764.7	114.8	68.9	44.6	45.1	36.9	40.8	46.7	50.8	54.6
62.5°	587.3	439.9	46.7	41.4	24.7	28.3	29.8	29.8	33.4	36.5	38.9
65°	222.0	153.9	19.0	20.8	12.8	13.3	17.5	21.6	24.5	27.1	30.4
67.5°	38.9	26.9	9.8	7.7	7.5	6.7	9.0	14.1	15.7	17.7	19.2
70°	6.5	5.5	4.1	3.9	3.5	3.7	5.9	10.0	11.0	11.6	12.2
72.5°	1.8	1.6	1.2	1.0	0.8	1.0	3.7	7.7	8.2	8.6	9.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	5.5	5.9	6.1	6.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.6	2.0	1.6
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°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6
2.5°	240.6	236.5	234.2	233.0	233.0	231.4	229.5	228.9	231.6	231.6	236.1
5°	216.7	213.4	209.8	207.5	204.1	204.7	202.6	202.4	205.1	206.3	211.0
7.5°	200.2	196.1	193.9	192.4	190.6	189.8	188.0	187.3	188.8	190.8	195.3
10°	189.2	188.6	188.4	189.4	189.4	188.4	186.7	185.7	186.1	190.0	195.1
12.5°	192.0	193.3	193.7	195.3	196.1	195.3	194.1	194.5	197.1	204.3	211.8
15°	204.5	203.5	203.0	203.9	204.5	203.7	203.2	206.3	215.5	225.7	234.2
17.5°	217.7	211.2	208.3	208.3	208.8	208.3	208.8	214.7	229.5	239.7	246.1
20°	224.4	212.4	207.9	206.9	207.7	207.9	209.4	216.1	232.4	239.5	241.0
22.5°	222.4	207.3	202.2	201.4	202.2	203.0	204.5	210.2	225.5	229.1	228.5
25°	212.2	197.3	193.3	193.3	195.1	194.9	195.5	199.6	212.2	214.5	213.4
27.5°	199.4	185.3	181.8	183.9	185.5	185.1	185.3	188.8	198.2	198.8	197.7
30°	186.3	174.1	170.8	173.3	175.5	175.1	175.3	178.8	184.7	184.1	182.7
32.5°	173.1	164.1	161.7	163.1	166.6	166.1	167.0	170.6	172.9	170.2	168.6
35°	160.8	156.2	154.3	155.1	157.8	158.4	159.8	162.3	162.3	159.0	156.2
37.5°	149.4	148.8	147.6	146.6	149.0	150.9	152.9	155.7	151.7	147.0	144.3
40°	138.8	141.5	139.8	137.2	138.6	141.3	145.4	147.6	142.7	138.0	133.5
42.5°	129.0	133.5	132.9	129.7	130.9	133.3	138.0	139.8	134.1	128.8	124.6
45°	119.7	126.0	126.4	122.3	123.5	126.0	131.5	132.1	124.8	119.1	116.0
47.5°	111.5	118.4	118.6	115.6	116.0	119.5	124.6	124.8	116.4	111.1	107.2
50°	103.8	111.7	112.3	109.7	110.1	114.2	118.4	117.6	108.7	103.2	99.7
52.5°	94.4	105.2	106.6	105.4	107.0	110.3	112.9	110.1	99.7	94.2	91.1
55°	84.2	98.3	101.3	100.5	102.3	105.0	105.6	103.8	90.7	85.2	82.4
57.5°	72.4	80.9	86.2	84.6	86.0	88.7	90.5	89.1	79.3	75.0	72.6
60°	59.9	65.6	66.9	64.2	63.0	67.7	72.0	70.1	61.8	59.1	56.3
62.5°	43.8	50.4	51.2	47.7	46.3	51.4	55.0	53.2	44.0	41.2	38.9
65°	35.1	41.2	42.8	39.5	38.7	42.6	44.8	40.4	33.8	30.8	28.3
67.5°	23.0	27.9	32.2	32.0	30.4	31.6	30.0	26.3	21.6	20.0	18.3
70°	14.3	17.1	19.8	20.8	20.6	20.2	17.9	15.3	13.9	13.3	12.4
72.5°	11.0	13.9	15.9	16.5	16.7	16.1	14.3	11.8	10.4	9.6	9.0
75°	8.2	10.4	12.0	12.8	13.3	12.8	11.0	9.4	8.0	7.3	6.7
77.5°	2.9	3.5	4.3	4.7	4.5	4.3	3.9	3.9	3.1	2.9	2.4
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6
2.5°	241.2	244.8	251.6	257.7	264.2	270.9	278.3	285.8	289.3	288.9
5°	218.1	226.1	237.1	249.1	262.6	277.0	293.1	309.7	316.8	319.9
7.5°	203.7	214.9	229.3	244.6	262.4	283.0	307.2	333.1	343.5	347.0
10°	205.5	218.5	230.6	245.4	264.4	291.1	321.3	352.1	364.3	368.2
12.5°	220.4	223.2	226.5	238.7	262.6	297.2	334.1	370.8	384.9	388.8
15°	233.8	220.6	214.5	225.7	256.0	301.5	347.2	391.0	406.5	411.0
17.5°	234.4	214.5	200.8	209.6	245.4	303.3	360.0	411.6	428.5	432.8
20°	226.9	207.7	190.2	190.4	231.0	302.9	370.6	430.1	449.1	453.0
22.5°	215.9	199.8	181.6	175.3	215.5	302.1	382.2	449.9	470.5	474.2
25°	203.7	189.6	173.5	163.9	200.0	302.9	398.5	475.8	498.4	501.9
27.5°	190.4	178.4	167.2	159.4	186.9	306.0	418.1	508.8	535.7	539.4
30°	176.5	167.6	163.1	158.4	178.8	306.8	439.3	547.4	581.4	586.5
32.5°	162.9	158.0	158.2	159.0	171.0	301.1	458.7	590.2	635.6	643.8
35°	150.2	148.8	152.9	157.0	159.8	286.4	475.6	640.7	702.7	711.1
37.5°	139.4	140.7	145.8	149.8	147.6	265.6	498.0	703.9	777.7	784.9
40°	129.0	132.1	138.0	139.8	138.2	241.4	524.9	764.9	842.8	852.5
42.5°	119.5	121.7	130.1	130.5	135.6	216.7	550.8	830.5	917.6	922.7
45°	111.7	111.3	119.9	122.5	139.0	189.4	576.1	918.0	1015.4	1022.8
47.5°	104.2	103.8	105.8	117.8	140.5	164.1	601.2	1046.0	1157.3	1169.9
50°	97.0	97.6	91.3	115.6	132.7	144.7	612.6	1164.4	1286.3	1291.6
52.5°	90.7	88.5	77.5	108.2	116.2	126.4	580.2	1218.3	1366.3	1381.3
55°	81.7	69.3	63.8	87.9	91.7	110.3	475.2	1187.1	1373.2	1399.9
57.5°	69.9	54.4	54.2	64.8	64.8	102.3	304.4	1014.2	1183.4	1230.3
60°	53.8	42.2	44.8	45.1	41.6	74.6	170.8	734.7	875.0	921.6
62.5°	38.3	32.2	33.8	26.9	23.9	37.3	82.0	423.0	540.0	546.5
65°	25.7	21.8	17.7	14.9	14.7	15.9	33.8	152.9	185.9	209.8
67.5°	16.9	13.3	9.4	9.4	10.6	10.6	12.8	25.3	35.5	32.4
70°	11.0	9.2	5.9	5.7	6.9	6.9	6.5	6.9	7.3	7.3
72.5°	8.2	6.9	3.5	3.1	3.9	4.1	3.7	3.5	3.5	3.5
75°	6.1	4.9	2.0	1.4	1.8	2.4	2.0	1.4	1.4	1.2
77.5°	2.4	1.8	0.8	0.6	1.0	1.4	1.2	0.6	0.4	0.4
80°	0.2	0.4	0.4	0.4	0.6	0.8	1.0	0.4	0.2	0.2
82.5°	0.0	0.2	0.2	0.2	0.4	0.6	0.8	0.4	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.4	0.6	0.4	0.2	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.2	0.6	0.4	0.2	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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