

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: P628640

Luminaire Tested: GWS-SA1A-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628640  
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-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

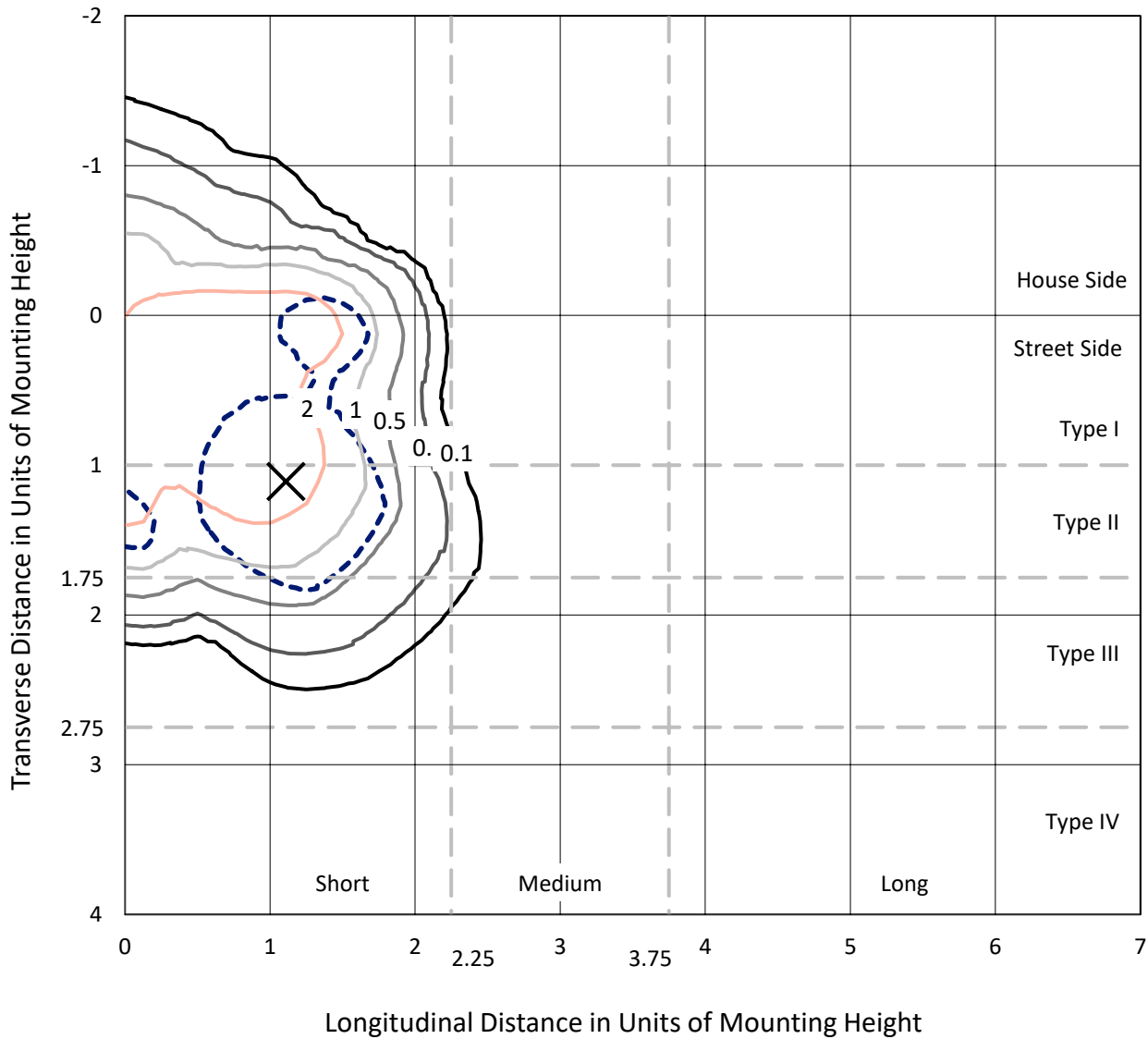
Lumens per Lamp: N/A  
Luminaire Lumens: 1117.5 lumens  
Efficiency: N/A  
Efficacy: 56.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

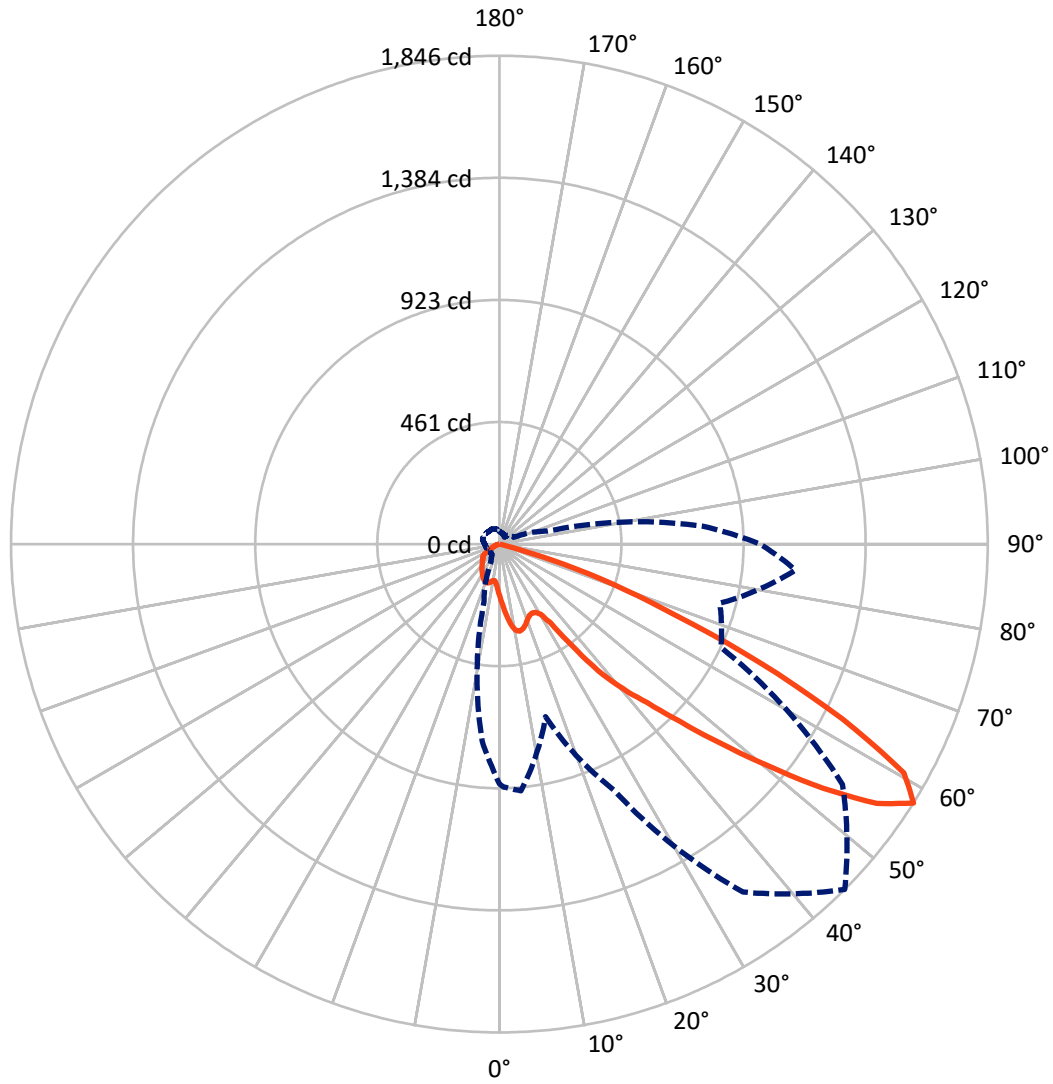
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 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
<b>House Side</b>	Lumens	250.2	0.0	250.2
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	867.3	0.0	867.3
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	1117.5	0.0	1117.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.3	1.7
10°-20°	62.5	5.6
20°-30°	101.5	9.1
30°-40°	156.9	14.0
40°-50°	251.6	22.5
50°-60°	343.8	30.8
60°-70°	166.5	14.9
70°-80°	15.3	1.4
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°	1117.5	100.0
0°-180°	1117.5	100.0

**Coefficient of Utilization**



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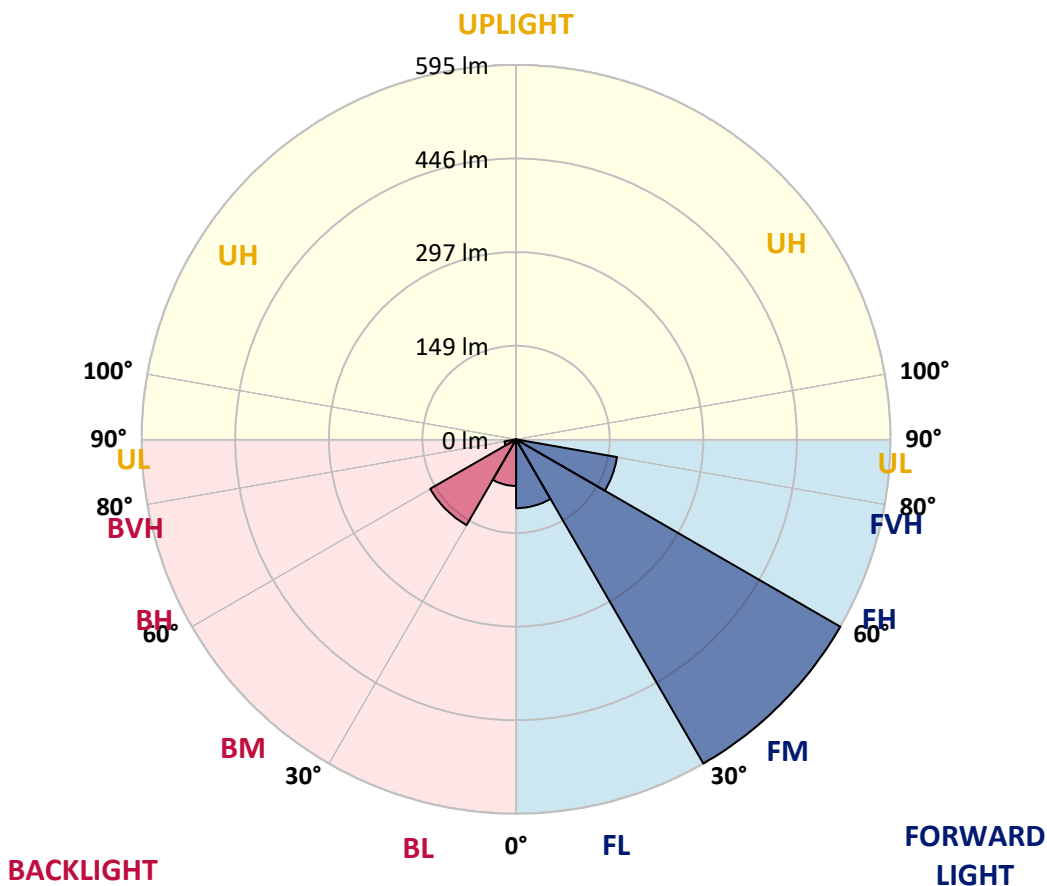
CATALOG NUMBER: GWS-SA1A-722-U-SLR-W-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.3	9.8			
FM (30°-60°)	594.9	53.2			
FH (60°-80°)	163.0	14.6			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	74.0	6.6	B0/110		
BM (30°-60°)	157.4	14.1	B0/220		
BH (60°-80°)	18.8	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°	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4
2.5°	212.8	214.1	216.4	221.2	225.2	227.9	229.1	228.8	227.2	226.0	223.6
5°	235.6	235.6	240.0	250.9	259.3	264.6	267.3	265.6	262.3	257.1	249.0
7.5°	255.6	256.3	263.7	279.3	292.1	299.6	303.9	303.0	297.2	287.1	270.9
10°	271.2	272.1	281.9	300.9	315.9	323.6	330.1	330.7	324.2	310.8	292.2
12.5°	286.4	287.3	297.5	315.8	329.0	332.2	337.9	340.1	338.5	329.0	309.6
15°	302.7	304.8	313.5	327.2	332.8	329.0	332.8	336.8	342.4	341.5	324.1
17.5°	318.8	320.3	329.2	334.0	327.8	318.0	319.8	324.7	337.3	349.6	338.3
20°	333.7	335.8	343.1	336.8	318.2	303.0	303.2	309.5	328.7	354.5	352.9
22.5°	349.3	352.4	357.7	340.0	309.3	291.2	291.9	297.6	321.9	359.2	369.4
25°	369.7	372.7	376.2	347.8	306.5	285.3	288.2	293.4	321.9	367.1	389.8
27.5°	397.3	399.4	399.6	362.3	311.4	286.2	292.2	298.2	331.6	383.1	417.2
30°	432.0	435.3	431.0	385.0	326.9	298.2	307.1	314.6	352.3	409.9	457.4
32.5°	474.2	478.9	473.0	418.7	359.2	339.7	355.7	360.1	385.3	448.8	503.0
35°	523.8	527.7	521.4	465.2	434.6	438.2	467.3	461.7	451.7	496.7	556.4
37.5°	578.1	581.7	569.6	535.8	546.0	561.6	608.2	589.1	556.7	558.5	614.2
40°	628.0	631.9	612.8	612.5	633.5	662.1	718.2	691.9	647.8	639.2	668.4
42.5°	679.6	682.3	665.1	653.4	701.1	759.8	819.3	783.8	708.2	698.9	736.2
45°	753.4	759.1	728.3	673.5	761.9	872.3	955.2	886.0	749.3	741.8	840.2
47.5°	861.8	866.0	803.2	686.1	818.5	1012.4	1125.0	1018.4	785.5	768.4	982.2
50°	951.4	954.3	872.1	699.9	878.8	1163.5	1318.6	1175.5	826.2	812.4	1114.8
52.5°	1017.5	1028.3	962.7	728.3	957.9	1341.1	1532.9	1361.5	889.7	897.4	1224.7
55°	1031.2	1045.9	1024.6	745.7	1027.6	1522.0	1730.8	1528.1	953.1	961.8	1261.7
57.5°	906.2	917.9	935.7	675.4	1025.9	1604.9	1845.6	1583.3	924.3	862.5	1123.4
60°	678.9	687.0	719.1	516.3	943.5	1531.7	1756.2	1489.3	808.2	658.2	855.9
62.5°	402.6	406.2	446.9	334.4	783.1	1319.0	1456.4	1285.1	638.6	442.7	524.2
65°	154.5	153.0	184.1	165.0	575.9	1050.7	1083.3	979.7	438.2	202.9	199.9
67.5°	23.9	22.8	30.8	48.8	415.3	728.1	714.8	706.1	274.5	47.3	41.3
70°	5.4	5.4	6.6	14.4	253.8	427.8	457.8	436.5	175.7	10.1	5.4
72.5°	2.6	2.6	3.2	6.2	91.9	176.3	205.4	202.3	57.1	3.3	2.0
75°	0.9	1.1	1.1	1.4	5.6	9.2	21.0	15.0	3.6	0.0	0.0
77.5°	0.3	0.3	0.3	0.3	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°	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4
2.5°	218.3	217.3	213.4	208.1	203.0	198.5	193.9	188.3	184.2	179.6	178.1
5°	242.7	236.1	225.4	214.3	204.1	195.4	187.0	177.9	171.3	164.7	162.5
7.5°	263.2	253.5	236.2	219.5	205.6	193.3	181.1	168.8	159.2	151.4	149.0
10°	281.7	270.4	247.3	226.7	209.2	194.9	180.2	164.7	152.3	143.0	140.7
12.5°	297.6	284.6	256.8	232.2	210.7	194.3	180.0	167.7	156.5	145.8	143.0
15°	311.0	296.6	264.7	235.8	208.4	186.8	174.3	172.4	171.5	159.8	154.2
17.5°	324.1	307.8	271.2	237.4	202.1	173.6	164.6	173.4	182.9	175.2	168.2
20°	337.7	319.2	277.8	237.7	191.6	158.7	157.2	171.2	183.2	180.8	174.2
22.5°	353.8	333.5	286.1	237.6	178.4	146.1	151.8	166.8	176.6	176.4	171.2
25°	377.1	351.5	297.2	238.5	164.0	136.3	145.8	159.5	167.4	167.1	162.8
27.5°	402.0	373.0	311.6	240.7	151.7	130.6	138.8	149.4	156.3	156.0	152.3
30°	437.0	397.8	325.4	240.9	142.8	127.6	130.9	138.3	144.9	144.2	141.3
32.5°	479.5	425.7	337.0	232.3	137.2	124.8	122.8	126.6	131.7	130.6	129.9
35°	530.8	458.9	346.9	213.5	128.7	119.1	113.8	114.6	118.2	118.8	118.5
37.5°	589.4	498.4	359.2	188.8	117.1	110.8	103.8	103.2	105.3	107.2	108.7
40°	647.2	542.8	375.9	163.7	106.6	100.3	93.6	92.0	93.0	96.4	99.6
42.5°	712.2	594.3	393.9	142.2	99.4	88.7	82.3	79.4	82.0	87.5	91.3
45°	805.9	666.6	411.4	125.1	96.4	78.5	69.8	69.5	72.4	79.6	83.8
47.5°	937.5	760.0	423.0	111.7	96.3	70.6	60.2	62.0	65.3	72.4	77.2
50°	1065.7	876.9	410.2	101.5	93.1	65.3	53.0	56.6	59.9	66.1	71.0
52.5°	1143.0	939.9	360.5	91.9	83.3	62.9	45.9	52.3	52.9	58.4	63.7
55°	1134.9	899.2	276.1	77.0	68.9	59.5	38.6	47.2	47.5	51.7	56.2
57.5°	985.1	772.0	189.7	62.5	51.8	49.1	31.8	39.8	42.6	45.2	48.5
60°	734.1	563.3	84.5	50.8	32.9	33.2	27.2	30.0	34.4	37.4	40.2
62.5°	432.6	324.1	34.4	30.5	18.2	20.9	21.9	21.9	24.6	26.9	28.7
65°	163.5	113.4	14.0	15.3	9.5	9.8	12.9	15.9	18.0	20.0	22.4
67.5°	28.7	19.8	7.2	5.7	5.6	5.0	6.6	10.4	11.6	13.1	14.1
70°	4.8	4.1	3.0	2.9	2.6	2.7	4.4	7.4	8.1	8.6	9.0
72.5°	1.4	1.2	0.9	0.8	0.6	0.8	2.7	5.7	6.0	6.3	6.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	4.1	4.4	4.5	5.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.2	1.5	1.2
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4
2.5°	177.2	174.2	172.5	171.6	171.6	170.4	169.1	168.6	170.6	170.6	173.9
5°	159.6	157.2	154.5	152.9	150.3	150.8	149.3	149.1	151.1	152.0	155.4
7.5°	147.5	144.5	142.8	141.8	140.4	139.8	138.4	138.0	139.1	140.6	143.9
10°	139.4	138.9	138.8	139.5	139.5	138.8	137.5	136.8	137.1	140.0	143.7
12.5°	141.5	142.4	142.7	143.9	144.5	143.9	143.0	143.3	145.2	150.5	156.0
15°	150.6	149.9	149.6	150.2	150.6	150.0	149.7	152.0	158.7	166.2	172.5
17.5°	160.4	155.6	153.5	153.5	153.8	153.5	153.8	158.1	169.1	176.6	181.2
20°	165.3	156.5	153.2	152.4	153.0	153.2	154.2	159.2	171.2	176.4	177.5
22.5°	163.8	152.7	149.0	148.4	149.0	149.6	150.6	154.8	166.1	168.8	168.3
25°	156.3	145.4	142.4	142.4	143.7	143.6	144.0	147.0	156.3	158.0	157.2
27.5°	146.9	136.5	133.9	135.4	136.6	136.3	136.5	139.1	146.0	146.4	145.7
30°	137.2	128.2	125.8	127.6	129.3	129.0	129.1	131.7	136.0	135.6	134.5
32.5°	127.5	120.9	119.1	120.1	122.7	122.4	123.0	125.7	127.3	125.4	124.2
35°	118.5	115.0	113.7	114.3	116.2	116.7	117.7	119.5	119.5	117.1	115.0
37.5°	110.1	109.6	108.7	108.0	109.8	111.1	112.6	114.7	111.7	108.3	106.3
40°	102.3	104.2	103.0	101.1	102.1	104.1	107.1	108.7	105.1	101.7	98.4
42.5°	95.1	98.4	97.9	95.5	96.4	98.2	101.7	103.0	98.8	94.9	91.7
45°	88.1	92.8	93.1	90.1	91.0	92.8	96.9	97.3	91.9	87.7	85.4
47.5°	82.1	87.2	87.4	85.1	85.4	88.0	91.7	91.9	85.7	81.8	79.0
50°	76.4	82.3	82.7	80.8	81.1	84.1	87.2	86.6	80.0	76.0	73.4
52.5°	69.5	77.5	78.5	77.6	78.8	81.2	83.2	81.1	73.4	69.4	67.1
55°	62.0	72.4	74.6	74.0	75.4	77.3	77.8	76.4	66.8	62.8	60.7
57.5°	53.3	59.6	63.5	62.3	63.4	65.3	66.7	65.6	58.4	55.3	53.5
60°	44.1	48.4	49.3	47.3	46.4	49.9	53.0	51.7	45.5	43.5	41.4
62.5°	32.3	37.1	37.7	35.1	34.1	37.8	40.5	39.2	32.4	30.3	28.7
65°	25.8	30.3	31.5	29.1	28.5	31.4	33.0	29.7	24.9	22.7	20.9
67.5°	17.0	20.6	23.7	23.6	22.4	23.3	22.1	19.4	15.9	14.7	13.5
70°	10.5	12.6	14.6	15.3	15.2	14.9	13.2	11.3	10.2	9.8	9.2
72.5°	8.1	10.2	11.7	12.2	12.3	11.9	10.5	8.7	7.7	7.1	6.6
75°	6.0	7.7	8.9	9.5	9.8	9.5	8.1	6.9	5.9	5.4	5.0
77.5°	2.1	2.6	3.2	3.5	3.3	3.2	2.9	2.9	2.3	2.1	1.8
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°	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4
2.5°	177.6	180.3	185.3	189.8	194.6	199.6	205.0	210.5	213.1	212.8
5°	160.7	166.5	174.6	183.5	193.4	204.1	215.9	228.1	233.4	235.6
7.5°	150.0	158.3	168.9	180.2	193.3	208.4	226.3	245.4	253.0	255.6
10°	151.4	161.0	169.8	180.8	194.8	214.4	236.7	259.3	268.3	271.2
12.5°	162.3	164.4	166.8	175.8	193.4	218.9	246.1	273.1	283.5	286.4
15°	172.2	162.5	158.0	166.2	188.6	222.1	255.7	288.0	299.4	302.7
17.5°	172.7	158.0	147.9	154.4	180.8	223.4	265.2	303.2	315.6	318.8
20°	167.1	153.0	140.1	140.3	170.1	223.1	273.0	316.8	330.8	333.7
22.5°	159.0	147.2	133.8	129.1	158.7	222.5	281.6	331.4	346.6	349.3
25°	150.0	139.7	127.8	120.7	147.3	223.1	293.6	350.5	367.1	369.7
27.5°	140.3	131.4	123.1	117.4	137.7	225.4	308.0	374.8	394.6	397.3
30°	130.0	123.4	120.1	116.7	131.7	226.0	323.6	403.2	428.3	432.0
32.5°	120.0	116.4	116.5	117.1	126.0	221.8	337.9	434.7	468.2	474.2
35°	110.7	109.6	112.6	115.6	117.7	211.0	350.3	472.0	517.6	523.8
37.5°	102.7	103.6	107.4	110.4	108.7	195.7	366.8	518.5	572.9	578.1
40°	95.1	97.3	101.7	103.0	101.8	177.8	386.7	563.4	620.8	628.0
42.5°	88.0	89.6	95.8	96.1	99.9	159.6	405.7	611.8	675.9	679.6
45°	82.3	82.0	88.3	90.2	102.4	139.5	424.4	676.2	748.0	753.4
47.5°	76.7	76.4	77.9	86.8	103.5	120.9	442.8	770.5	852.5	861.8
50°	71.5	71.9	67.3	85.1	97.8	106.6	451.2	857.7	947.5	951.4
52.5°	66.8	65.2	57.1	79.7	85.6	93.1	427.4	897.4	1006.4	1017.5
55°	60.2	51.1	47.0	64.7	67.6	81.2	350.0	874.4	1011.5	1031.2
57.5°	51.5	40.1	39.9	47.8	47.8	75.4	224.2	747.1	871.7	906.2
60°	39.6	31.1	33.0	33.2	30.6	55.0	125.8	541.2	644.5	678.9
62.5°	28.2	23.7	24.9	19.8	17.6	27.5	60.4	311.6	397.8	402.6
65°	18.9	16.1	13.1	11.0	10.8	11.7	24.9	112.6	136.9	154.5
67.5°	12.5	9.8	6.9	6.9	7.8	7.8	9.5	18.6	26.1	23.9
70°	8.1	6.8	4.4	4.2	5.1	5.1	4.8	5.1	5.4	5.4
72.5°	6.0	5.1	2.6	2.3	2.9	3.0	2.7	2.6	2.6	2.6
75°	4.5	3.6	1.5	1.1	1.4	1.8	1.5	1.1	1.1	0.9
77.5°	1.8	1.4	0.6	0.5	0.8	1.1	0.9	0.5	0.3	0.3
80°	0.2	0.3	0.3	0.3	0.5	0.6	0.8	0.3	0.2	0.2
82.5°	0.0	0.2	0.2	0.2	0.3	0.5	0.6	0.3	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.3	0.5	0.3	0.2	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.2	0.5	0.3	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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