

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: P631111

Luminaire Tested: GWS-SA1F-722-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631111  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1F-722-U-SLL-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

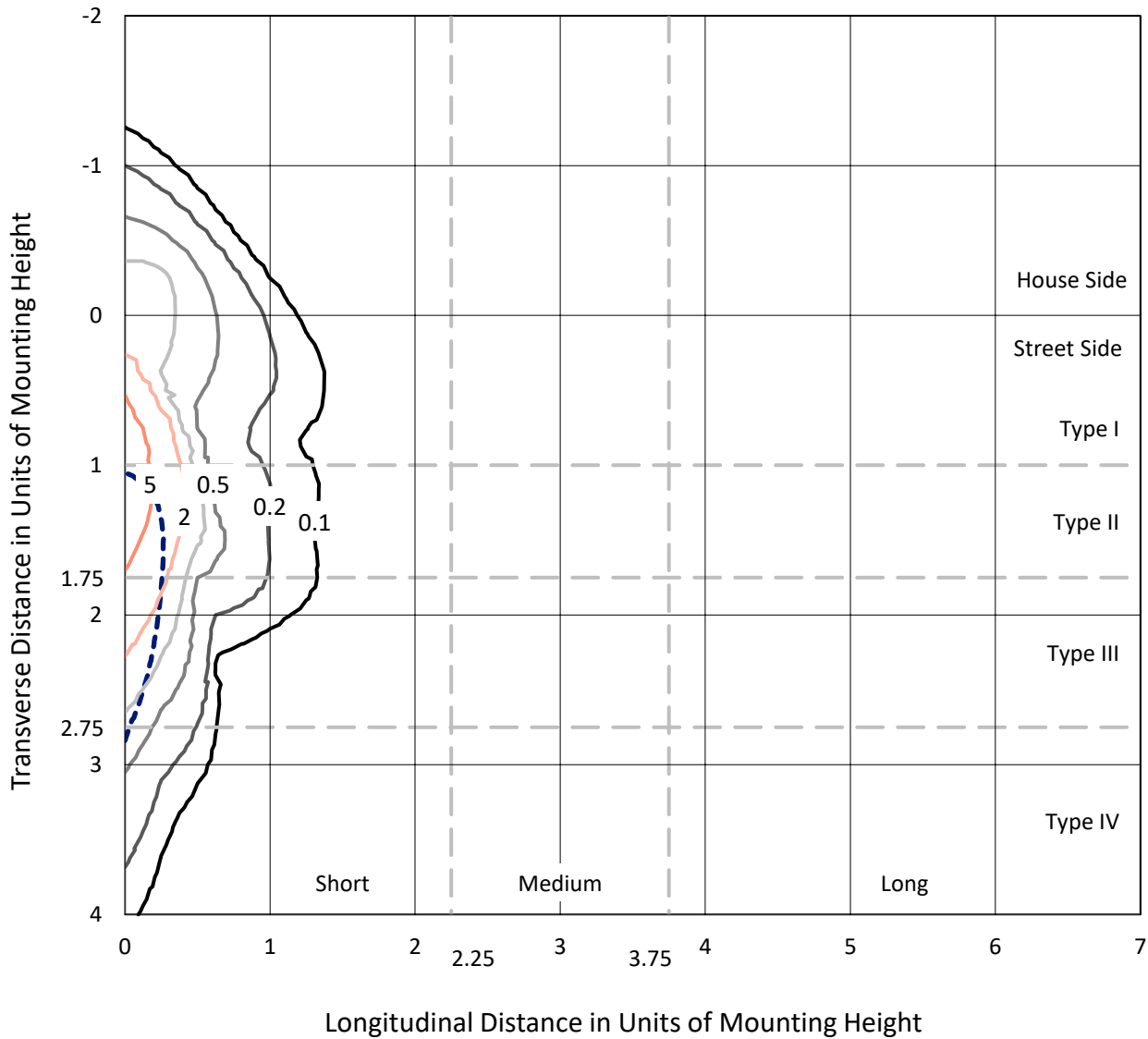
Lumens per Lamp: N/A  
Luminaire Lumens: 3757.4 lumens  
Efficiency: N/A  
Efficacy: 55.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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

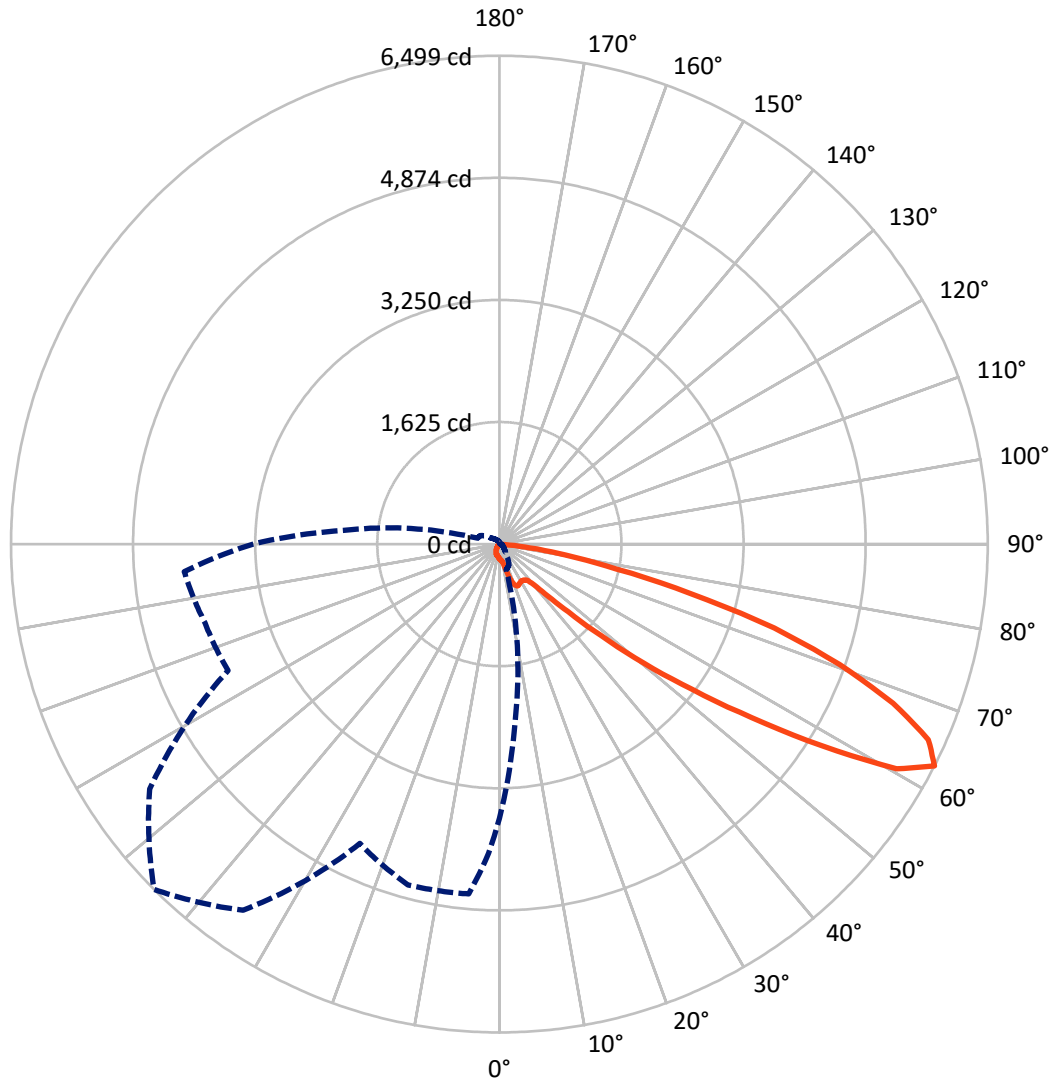
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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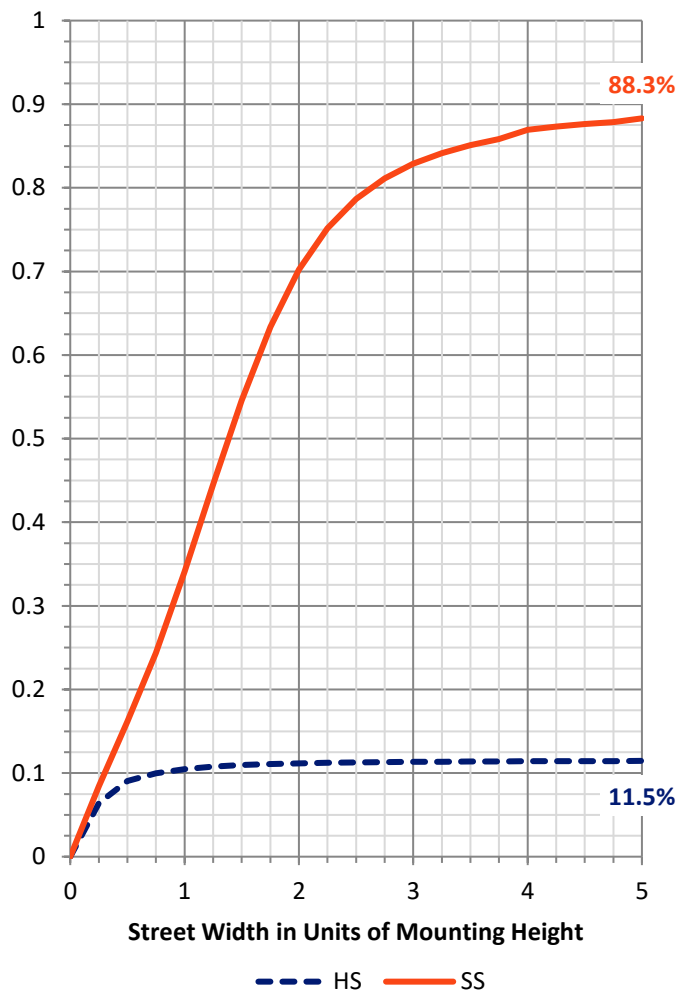
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	436.6	0.0	436.6
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	3320.8	0.0	3320.8
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	3757.4	0.0	3757.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.8	0.4
10°-20°	57.7	1.5
20°-30°	130.3	3.5
30°-40°	224.5	6.0
40°-50°	423.4	11.3
50°-60°	945.4	25.2
60°-70°	1264.4	33.7
70°-80°	634.1	16.9
80°-90°	60.8	1.6
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°	3757.4	100.0
0°-180°	3757.4	100.0

**Coefficient of Utilization**



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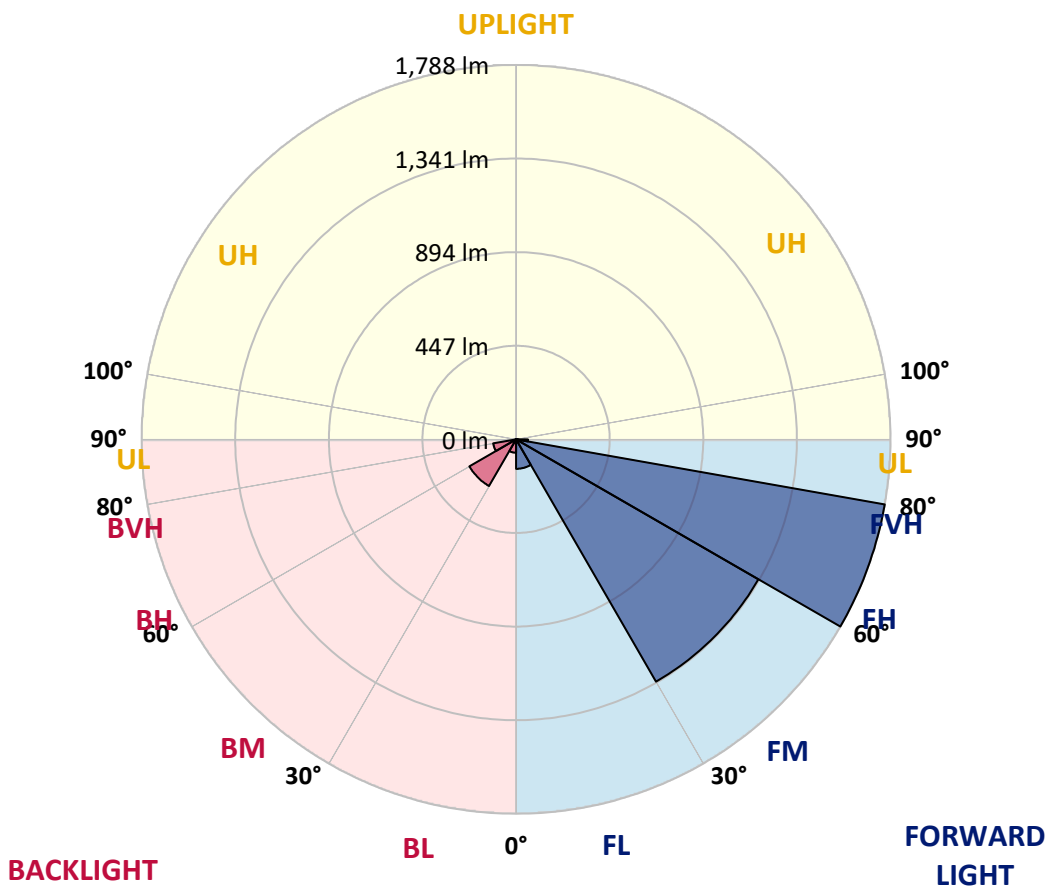
CATALOG NUMBER: GWS-SA1F-722-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.7	3.7			
FM (30°-60°)	1335.9	35.6			
FH (60°-80°)	1787.5	47.6			G1/1800
FVH (80°-90°)	56.7	1.5			G1/100
BL (0°-30°)	64.1	1.7	B0/110		
BM (30°-60°)	257.4	6.9	B1/1000		
BH (60°-80°)	111.0	3.0	B1/500		G1/500
BVH (80°-90°)	4.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9
2.5°	192.6	192.2	191.3	188.6	186.4	185.1	182.4	182.4	182.0	181.1	179.3
5°	186.4	184.6	182.9	178.0	172.6	169.5	165.9	165.5	165.5	164.6	164.2
7.5°	176.6	174.8	172.6	164.6	159.7	156.6	153.5	153.0	151.7	151.7	151.7
10°	171.3	168.6	165.1	156.2	151.3	148.6	146.4	145.0	144.1	142.8	142.4
12.5°	182.9	178.0	170.4	154.4	147.7	144.1	141.5	140.6	137.9	136.1	134.8
15°	218.9	206.9	191.7	158.4	146.4	141.0	137.5	135.7	133.5	130.4	128.1
17.5°	278.1	260.7	235.3	171.3	145.0	138.4	133.9	130.8	127.7	124.1	121.5
20°	359.9	334.1	303.9	194.9	145.0	135.2	129.9	125.9	121.5	117.5	114.3
22.5°	464.0	438.2	386.6	234.9	146.8	131.2	125.0	119.7	114.3	110.8	107.2
25°	580.6	544.1	496.1	283.4	151.7	125.9	119.2	113.9	109.0	104.6	100.5
27.5°	710.5	670.9	606.8	352.4	162.4	120.6	113.0	108.1	103.7	99.2	93.9
30°	830.2	806.6	741.2	435.1	179.7	117.0	108.1	103.7	99.2	93.4	88.5
32.5°	973.9	932.1	878.2	529.4	202.9	113.4	104.1	97.9	94.3	89.0	83.6
35°	1118.5	1082.9	1012.1	645.5	228.7	109.9	99.2	93.4	90.3	84.1	78.3
37.5°	1267.5	1259.5	1189.7	774.1	254.0	105.9	93.4	89.9	86.8	79.6	73.0
40°	1414.3	1399.6	1335.1	920.9	269.6	101.4	88.5	86.3	82.8	74.7	67.2
42.5°	1554.9	1543.8	1481.1	1061.5	267.4	97.4	83.6	81.0	78.3	70.3	61.0
45°	1727.5	1709.3	1630.1	1165.6	244.7	101.9	78.7	74.3	73.9	66.3	54.7
47.5°	2050.5	1990.5	1856.1	1245.7	222.0	113.4	73.4	68.1	71.2	62.3	48.5
50°	2503.0	2432.2	2237.8	1308.0	221.6	128.6	72.5	62.3	69.0	59.2	43.2
52.5°	2957.7	2833.1	2596.9	1341.4	238.0	139.7	80.5	56.5	66.3	56.1	39.2
55°	3393.2	3134.7	2747.2	1231.0	250.9	151.7	95.2	53.4	61.4	52.5	36.9
57.5°	3808.3	3377.2	2812.6	973.9	294.1	156.6	104.1	54.7	54.3	48.0	35.1
60°	3865.3	3365.6	2680.5	566.4	324.3	148.2	100.5	61.0	47.6	42.7	32.0
62.5°	3649.9	3141.9	2379.3	353.2	301.2	145.0	89.4	69.4	43.2	37.8	28.0
65°	3322.9	2790.8	1983.8	227.8	228.2	161.1	78.3	68.1	40.5	33.4	24.0
67.5°	2811.7	2335.7	1562.9	152.6	129.0	137.5	68.5	46.7	39.6	28.5	18.7
70°	2052.3	1662.6	1017.5	101.9	77.0	109.9	57.4	33.4	37.4	23.6	13.3
72.5°	1500.2	1117.1	568.1	66.7	43.6	64.1	42.3	24.0	28.9	17.4	9.3
75°	1079.8	768.8	324.3	42.7	28.9	35.1	27.6	16.5	18.7	13.8	8.5
77.5°	519.6	374.6	147.3	23.6	19.6	17.8	14.7	10.2	11.6	12.5	7.6
80°	19.6	14.7	11.1	11.6	12.5	8.0	6.7	5.3	6.7	8.5	4.0
82.5°	0.0	0.0	0.0	1.3	1.8	2.2	2.7	2.2	2.7	3.1	0.4
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°	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9
2.5°	180.6	179.7	180.6	181.5	182.4	183.3	182.0	182.9	183.7	181.5	182.4
5°	166.4	165.9	168.6	170.0	171.7	172.6	171.7	171.7	171.3	168.6	168.6
7.5°	153.9	154.4	156.6	159.7	161.9	163.3	162.4	161.9	160.6	156.6	156.6
10°	144.6	144.6	148.2	150.8	153.9	155.3	154.4	153.0	151.7	147.7	147.3
12.5°	137.0	137.0	139.7	144.1	147.7	149.5	149.0	147.3	145.0	141.0	140.6
15°	129.9	129.5	133.5	137.5	142.4	144.6	143.7	142.4	138.4	134.8	133.9
17.5°	122.8	122.3	125.9	131.2	136.6	139.7	139.3	136.1	132.6	128.1	127.2
20°	115.7	114.8	119.2	124.6	129.9	133.0	132.1	129.5	125.0	120.6	119.7
22.5°	108.6	108.1	111.2	115.7	120.6	123.2	122.8	120.6	116.1	112.1	112.1
25°	100.5	100.5	102.8	105.9	109.4	110.8	111.2	110.3	107.7	105.4	105.4
27.5°	93.9	92.5	93.4	94.3	96.1	98.3	98.3	99.2	99.7	98.8	99.2
30°	88.5	86.3	85.0	83.2	82.3	83.2	84.1	87.2	90.3	92.1	93.0
32.5°	82.3	79.6	76.1	71.2	68.1	67.2	69.8	75.6	81.4	85.4	87.6
35°	76.1	72.5	65.8	58.7	54.7	53.4	56.5	63.2	71.6	78.7	81.9
37.5°	69.8	65.0	55.6	47.2	42.7	41.8	44.9	52.1	61.8	71.6	75.6
40°	62.7	56.9	45.8	36.9	33.4	32.5	35.1	42.3	52.5	63.6	69.8
42.5°	55.6	48.5	36.9	29.4	25.8	25.8	29.4	34.7	44.0	56.1	63.6
45°	48.5	40.9	30.3	23.6	21.4	21.8	24.0	29.4	36.9	49.4	56.5
47.5°	41.8	35.1	24.9	19.6	17.8	18.2	20.9	25.4	31.6	42.7	50.3
50°	36.0	29.8	21.8	16.5	15.1	16.0	18.7	22.7	28.0	37.8	44.0
52.5°	32.5	26.7	20.0	14.2	13.3	14.2	16.9	20.5	25.4	33.4	39.6
55°	30.7	26.2	20.0	12.9	11.6	12.5	15.1	18.7	22.7	30.3	35.6
57.5°	30.3	27.1	21.4	11.6	9.8	10.7	13.3	16.9	20.9	27.6	32.0
60°	28.5	25.8	20.9	9.3	7.6	8.9	11.1	14.7	19.1	25.8	29.8
62.5°	24.9	22.7	18.2	7.6	5.8	6.7	9.3	12.9	17.4	23.6	28.0
65°	20.5	18.2	14.2	4.9	3.6	4.4	7.1	11.1	15.1	21.4	25.4
67.5°	15.1	12.9	9.8	3.1	1.8	3.1	5.8	9.3	13.8	19.1	23.1
70°	9.3	7.6	5.3	1.8	1.3	2.7	5.3	8.9	12.5	17.8	21.8
72.5°	5.3	3.6	2.2	0.9	1.3	2.7	5.3	8.9	12.0	16.9	20.5
75°	4.0	2.2	0.9	0.4	0.9	2.2	4.9	8.0	11.6	16.0	19.6
77.5°	2.7	1.3	0.4	0.0	0.4	1.8	4.4	7.6	10.7	15.1	18.7
80°	0.4	0.0	0.0	0.0	0.0	1.3	4.0	6.7	9.8	13.3	16.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	3.1	5.8	8.5	11.1	13.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	4.4	6.7	8.5	9.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.4	5.3	6.2
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°	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9
2.5°	182.0	184.6	184.6	186.4	188.6	192.6	194.9	198.0	200.2	202.4	203.3
5°	168.2	168.6	169.1	170.0	172.6	177.1	181.1	186.0	191.7	196.2	198.9
7.5°	156.6	156.6	156.6	157.9	160.6	163.7	167.7	174.4	181.1	186.4	190.9
10°	146.8	148.2	148.6	150.8	153.9	157.9	162.4	168.2	175.7	182.9	190.9
12.5°	140.6	141.9	144.1	146.4	149.5	153.9	158.8	166.4	182.0	196.6	213.5
15°	134.8	136.6	139.3	142.4	145.9	150.8	156.2	171.7	208.2	235.8	262.5
17.5°	128.6	131.2	134.8	137.9	142.4	147.7	154.4	184.6	256.3	302.1	347.5
20°	120.6	124.1	128.1	133.0	138.4	144.6	154.4	211.3	325.7	391.5	451.6
22.5°	113.0	116.6	121.5	127.7	133.9	140.1	156.6	251.8	415.1	498.3	574.4
25°	106.8	111.2	116.1	121.5	128.6	135.7	161.9	308.8	522.8	630.0	683.8
27.5°	101.0	106.3	111.2	115.7	121.9	129.9	174.0	384.8	650.0	759.0	801.3
30°	95.2	101.4	106.3	110.8	117.0	125.5	192.2	481.8	791.5	897.4	901.8
32.5°	90.3	96.1	101.9	106.3	112.1	121.9	217.6	595.3	936.5	1038.8	997.0
35°	85.0	91.6	97.0	101.9	108.1	118.8	246.9	717.6	1082.9	1168.7	1091.8
37.5°	79.6	87.2	93.9	97.4	103.7	115.7	268.3	845.3	1232.4	1295.5	1175.0
40°	74.7	83.2	90.8	94.3	97.4	111.7	271.4	976.1	1384.1	1420.6	1253.3
42.5°	69.4	78.7	85.4	90.3	93.0	109.0	252.7	1086.4	1511.3	1545.1	1355.6
45°	63.6	74.7	80.1	83.6	89.0	110.8	228.7	1171.9	1656.8	1715.1	1524.2
47.5°	57.8	70.3	74.7	77.4	84.5	121.5	219.8	1228.8	1896.6	2017.6	1808.5
50°	52.5	66.3	71.2	70.7	83.6	135.2	229.6	1272.0	2257.0	2399.3	2198.2
52.5°	46.7	61.8	67.6	65.8	90.3	145.9	249.1	1306.2	2534.1	2846.9	2721.9
55°	41.8	56.9	62.3	61.8	102.8	153.9	264.3	1125.6	2648.9	3262.9	3311.8
57.5°	38.3	51.6	56.1	63.6	110.8	153.9	305.6	799.0	2651.1	3569.0	4094.8
60°	35.1	46.7	49.8	69.8	107.7	145.9	302.5	489.4	2443.4	3548.0	4511.2
62.5°	32.5	42.3	46.3	71.6	95.2	144.6	273.2	303.4	2083.9	3278.0	4209.2
65°	30.3	38.7	44.5	65.8	86.3	154.8	184.2	218.0	1690.2	2970.1	3862.6
67.5°	28.0	35.6	47.2	53.8	78.3	138.4	133.0	154.8	1326.7	2632.4	3544.5
70°	26.2	33.8	49.8	44.0	68.5	108.1	94.3	117.5	1015.7	2196.4	3096.5
72.5°	24.9	31.6	41.8	34.7	55.6	83.6	65.8	85.4	663.8	1714.6	2524.3
75°	23.6	28.9	30.7	28.0	41.4	54.7	49.8	57.4	395.5	1253.3	1915.3
77.5°	23.1	27.1	24.9	22.7	28.0	32.5	37.8	38.7	193.1	626.9	1003.7
80°	20.5	24.5	21.4	18.7	19.1	21.4	28.0	25.8	44.0	159.3	267.8
82.5°	16.0	19.1	17.8	15.6	15.6	15.6	18.7	17.4	14.2	71.6	121.0
85°	11.1	13.3	13.3	12.5	12.0	12.0	11.6	11.1	4.0	4.4	6.7
87.5°	7.6	9.3	9.8	9.3	8.0	7.1	6.2	5.3	1.8	0.0	0.9
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°	358°	360°
0°	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9
2.5°	206.4	207.8	207.8	206.0	204.7	201.1	197.5	194.0	193.1	192.6
5°	206.4	211.8	214.4	214.0	210.9	205.1	197.5	189.5	187.3	186.4
7.5°	203.3	213.5	221.6	222.9	217.1	206.9	193.1	181.1	178.0	176.6
10°	210.4	230.5	246.5	248.7	242.0	222.0	199.8	179.3	174.4	171.3
12.5°	248.7	281.6	301.2	310.5	297.6	272.3	235.3	198.9	187.7	182.9
15°	326.1	372.8	410.2	410.2	398.2	353.2	306.5	247.4	232.2	218.9
17.5°	425.3	484.0	517.0	513.4	495.2	463.6	407.5	322.5	291.9	278.1
20°	538.3	573.5	581.0	578.8	570.8	552.6	513.9	422.7	381.3	359.9
22.5°	636.2	626.9	615.7	606.8	604.6	610.0	604.6	534.3	501.8	464.0
25°	702.5	649.5	616.2	600.2	607.7	638.4	671.8	645.5	619.7	580.6
27.5°	738.5	646.9	598.8	582.4	595.3	638.9	711.4	755.9	729.2	710.5
30°	758.1	644.7	587.7	571.7	591.3	646.0	739.0	859.1	860.0	830.2
32.5°	786.1	658.9	589.9	575.2	601.5	667.3	773.7	964.1	989.9	973.9
35°	817.7	680.7	600.2	586.8	619.3	695.8	812.4	1070.0	1123.8	1118.5
37.5°	847.5	705.2	624.2	611.3	646.4	720.3	849.8	1174.1	1248.8	1267.5
40°	878.7	739.4	698.0	710.5	730.1	759.0	883.1	1264.4	1386.3	1414.3
42.5°	952.1	858.2	921.4	945.0	947.6	888.0	956.1	1380.1	1521.5	1554.9
45°	1115.8	1069.5	1250.6	1284.0	1266.6	1086.0	1131.8	1546.9	1710.6	1727.5
47.5°	1322.7	1344.0	1701.3	1816.5	1712.4	1319.6	1344.9	1897.9	2056.8	2050.5
50°	1563.8	1664.8	2212.9	2484.7	2235.6	1623.0	1590.5	2329.5	2522.1	2503.0
52.5°	1849.0	2037.6	2827.8	3213.9	2978.1	1964.2	1950.9	2901.2	3018.6	2957.7
55°	2208.0	2397.5	3535.1	4074.8	3739.3	2380.6	2426.5	3564.1	3586.7	3393.2
57.5°	2743.7	2866.9	4368.9	5062.0	4533.9	2946.5	3278.9	4446.3	4174.9	3808.3
60°	3716.2	3470.6	5174.6	6071.9	5379.2	3742.5	4403.1	4969.0	4370.7	3865.3
62.5°	4054.8	3983.1	5679.1	6499.0	5947.8	4396.0	4695.4	4672.7	4117.1	3649.9
65°	3541.8	3855.5	5588.8	6273.5	5874.8	4288.3	4213.6	4345.7	3831.4	3322.9
67.5°	3271.8	3555.6	5246.7	5651.1	5470.4	3923.1	3755.8	3719.8	3216.6	2811.7
70°	2999.5	3280.7	4750.6	4800.9	4716.8	3327.8	3108.0	2866.5	2404.2	2052.3
72.5°	2672.0	2826.9	4062.3	3823.9	3728.7	2613.8	2567.5	2158.6	1802.3	1500.2
75°	2330.4	2285.4	3167.2	2624.4	2695.6	2033.6	2168.4	1585.2	1320.4	1079.8
77.5°	1695.1	1661.7	2121.3	1594.1	1765.3	1332.0	1196.8	632.6	602.4	519.6
80°	945.8	1140.3	1145.6	893.3	1114.5	868.4	299.4	20.9	13.3	19.6
82.5°	439.6	490.3	621.1	414.2	635.8	430.2	61.8	0.0	0.0	0.0
85°	142.4	208.2	174.4	61.0	153.9	145.5	10.2	0.0	0.0	0.0
87.5°	8.5	17.4	4.4	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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