

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: P632266

Luminaire Tested: GWS-SA2C-735-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632266  
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-SA2C-735-U-SLL-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

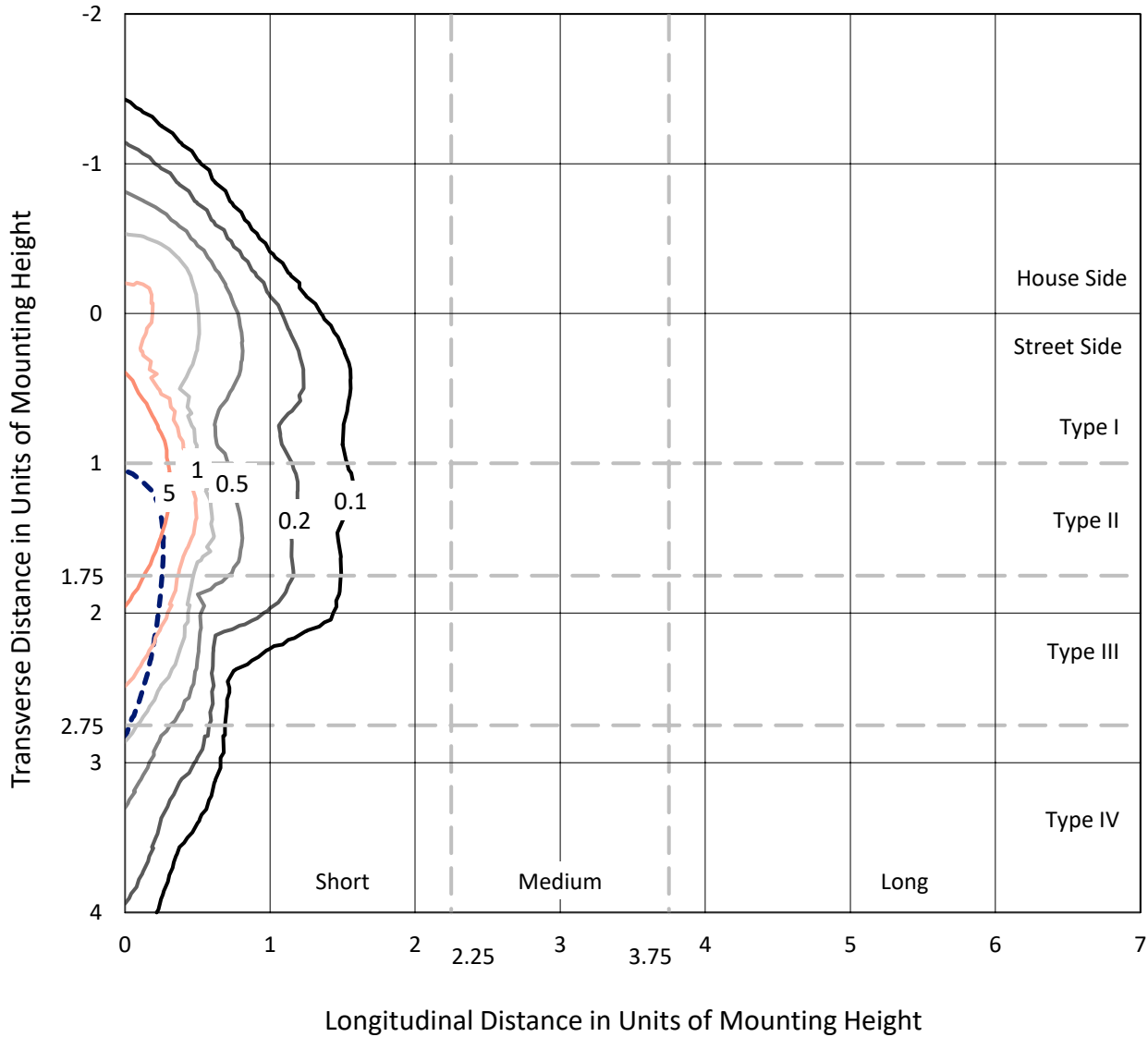
Lumens per Lamp: N/A  
Luminaire Lumens: 5527 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

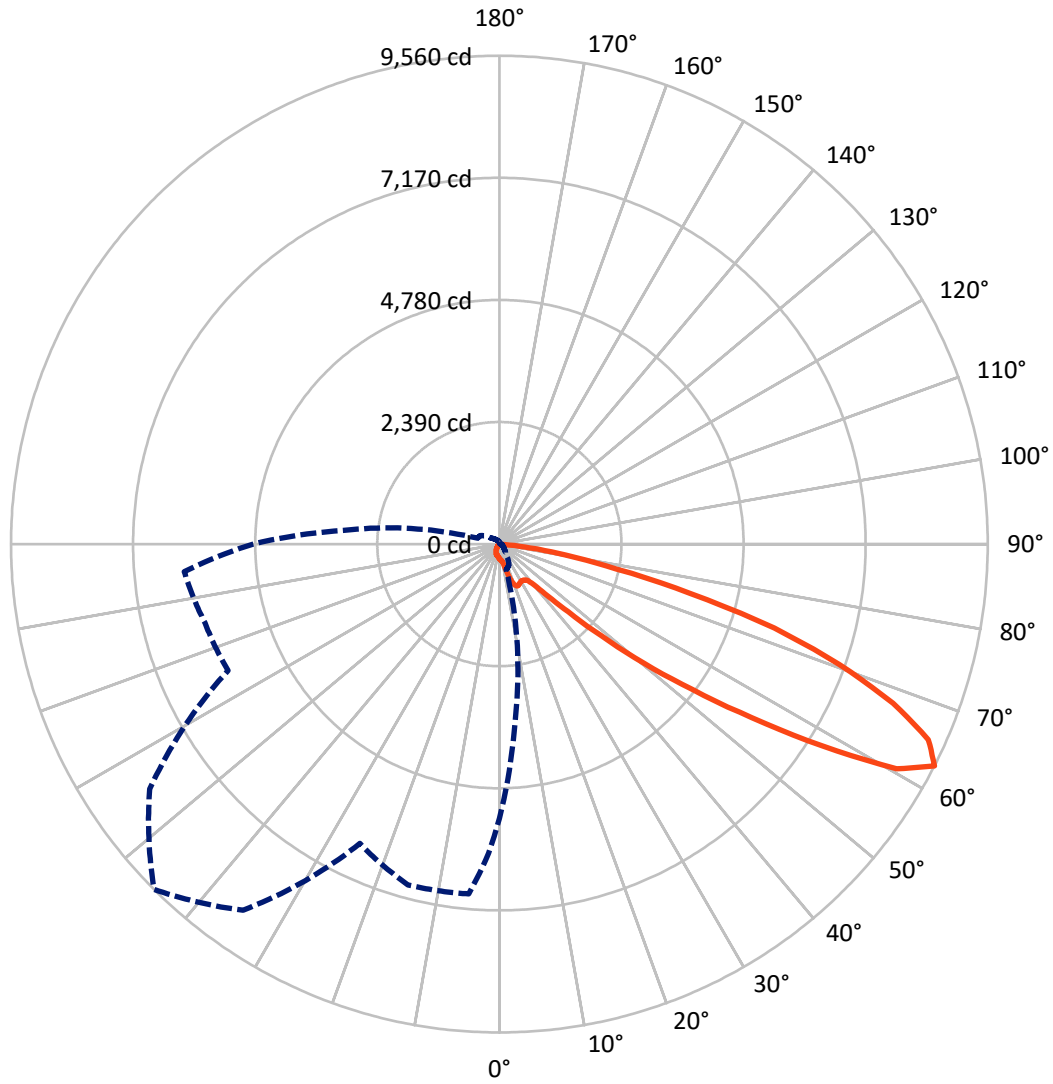
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 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	642.2	0.0	642.2
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	4884.8	0.0	4884.8
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	5527.0	0.0	5527.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.8	0.4
10°-20°	84.8	1.5
20°-30°	191.7	3.5
30°-40°	330.2	6.0
40°-50°	622.8	11.3
50°-60°	1390.6	25.2
60°-70°	1860.0	33.7
70°-80°	932.7	16.9
80°-90°	89.4	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°	5527.0	100.0
0°-180°	5527.0	100.0

**Coefficient of Utilization**



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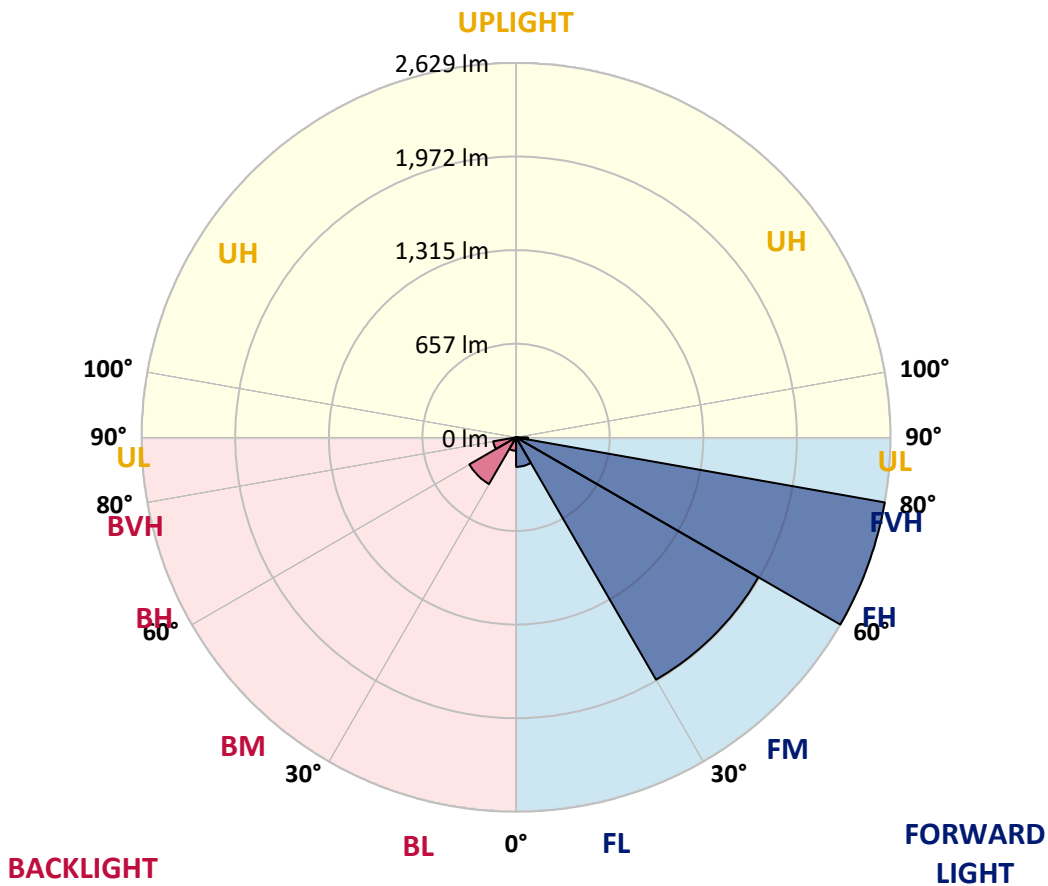
CATALOG NUMBER: GWS-SA2C-735-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	207.0	3.7			
FM (30°-60°)	1965.0	35.6			
FH (60°-80°)	2629.4	47.6			G2/5000
FVH (80°-90°)	83.5	1.5			G1/100
BL (0°-30°)	94.3	1.7	B0/110		
BM (30°-60°)	378.7	6.9	B1/1000		
BH (60°-80°)	163.3	3.0	B1/500		G1/500
BVH (80°-90°)	5.9	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-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	286.6	286.6	286.6	286.6	286.6	286.6	286.6	286.6	286.6	286.6	286.6
2.5°	283.4	282.7	281.4	277.5	274.2	272.2	268.3	268.3	267.7	266.4	263.7
5°	274.2	271.6	269.0	261.8	253.9	249.3	244.1	243.4	243.4	242.1	241.5
7.5°	259.8	257.2	253.9	242.1	234.9	230.4	225.8	225.1	223.2	223.2	223.2
10°	252.0	248.0	242.8	229.7	222.5	218.6	215.3	213.3	212.0	210.1	209.4
12.5°	269.0	261.8	250.6	227.1	217.3	212.0	208.1	206.8	202.9	200.3	198.3
15°	322.0	304.3	282.1	233.0	215.3	207.5	202.2	199.6	196.3	191.7	188.5
17.5°	409.0	383.5	346.2	252.0	213.3	203.5	197.0	192.4	187.8	182.6	178.7
20°	529.4	491.5	447.0	286.6	213.3	198.9	191.1	185.2	178.7	172.8	168.2
22.5°	682.6	644.6	568.7	345.5	216.0	193.1	183.9	176.0	168.2	163.0	157.7
25°	854.0	800.4	729.7	416.9	223.2	185.2	175.4	167.5	160.3	153.8	147.9
27.5°	1045.1	986.9	892.6	518.3	238.9	177.3	166.2	159.0	152.5	145.9	138.1
30°	1221.2	1186.5	1090.3	640.0	264.4	172.1	159.0	152.5	145.9	137.4	130.2
32.5°	1432.5	1371.0	1291.8	778.8	298.4	166.9	153.1	144.0	138.7	130.9	123.0
35°	1645.2	1592.9	1488.8	949.6	336.4	161.6	145.9	137.4	132.8	123.7	115.2
37.5°	1864.5	1852.7	1749.9	1138.7	373.7	155.8	137.4	132.2	127.6	117.1	107.3
40°	2080.4	2058.8	1963.9	1354.7	396.6	149.2	130.2	127.0	121.7	109.9	98.8
42.5°	2287.2	2270.9	2178.6	1561.5	393.3	143.3	123.0	119.1	115.2	103.4	89.7
45°	2541.1	2514.3	2397.8	1714.6	359.9	149.9	115.8	109.3	108.6	97.5	80.5
47.5°	3016.2	2927.9	2730.3	1832.4	326.6	166.9	108.0	100.1	104.7	91.6	71.3
50°	3681.8	3577.7	3291.8	1924.0	325.9	189.1	106.7	91.6	101.4	87.0	63.5
52.5°	4350.6	4167.4	3819.9	1973.1	350.1	205.5	118.5	83.1	97.5	82.5	57.6
55°	4991.3	4611.1	4041.1	1810.8	369.1	223.2	140.0	78.5	90.3	77.2	54.3
57.5°	5601.9	4967.7	4137.3	1432.5	432.6	230.4	153.1	80.5	79.8	70.7	51.7
60°	5685.6	4950.7	3942.9	833.1	477.1	217.9	147.9	89.7	70.0	62.8	47.1
62.5°	5368.9	4621.5	3499.9	519.6	443.0	213.3	131.5	102.1	63.5	55.6	41.2
65°	4887.9	4105.2	2918.1	335.1	335.7	236.9	115.2	100.1	59.6	49.1	35.3
67.5°	4136.0	3435.7	2299.0	224.5	189.8	202.2	100.8	68.7	58.2	41.9	27.5
70°	3018.9	2445.6	1496.7	149.9	113.2	161.6	84.4	49.1	55.0	34.7	19.6
72.5°	2206.7	1643.3	835.7	98.2	64.1	94.2	62.2	35.3	42.5	25.5	13.7
75°	1588.3	1130.8	477.1	62.8	42.5	51.7	40.6	24.2	27.5	20.3	12.4
77.5°	764.4	551.0	216.6	34.7	28.8	26.2	21.6	15.1	17.0	18.3	11.1
80°	28.8	21.6	16.4	17.0	18.3	11.8	9.8	7.9	9.8	12.4	5.9
82.5°	0.0	0.0	0.0	2.0	2.6	3.3	3.9	3.3	3.9	4.6	0.7
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°	286.6	286.6	286.6	286.6	286.6	286.6	286.6	286.6	286.6	286.6	286.6
2.5°	265.7	264.4	265.7	267.0	268.3	269.6	267.7	269.0	270.3	267.0	268.3
5°	244.8	244.1	248.0	250.0	252.6	253.9	252.6	252.6	252.0	248.0	248.0
7.5°	226.4	227.1	230.4	234.9	238.2	240.2	238.9	238.2	236.2	230.4	230.4
10°	212.7	212.7	217.9	221.9	226.4	228.4	227.1	225.1	223.2	217.3	216.6
12.5°	201.6	201.6	205.5	212.0	217.3	219.9	219.2	216.6	213.3	207.5	206.8
15°	191.1	190.4	196.3	202.2	209.4	212.7	211.4	209.4	203.5	198.3	197.0
17.5°	180.6	180.0	185.2	193.1	200.9	205.5	204.8	200.3	195.0	188.5	187.2
20°	170.2	168.8	175.4	183.2	191.1	195.7	194.4	190.4	183.9	177.3	176.0
22.5°	159.7	159.0	163.6	170.2	177.3	181.3	180.6	177.3	170.8	164.9	164.9
25°	147.9	147.9	151.2	155.8	161.0	163.0	163.6	162.3	158.4	155.1	155.1
27.5°	138.1	136.1	137.4	138.7	141.4	144.6	144.6	145.9	146.6	145.3	145.9
30°	130.2	127.0	125.0	122.4	121.1	122.4	123.7	128.3	132.8	135.5	136.8
32.5°	121.1	117.1	111.9	104.7	100.1	98.8	102.7	111.3	119.8	125.6	128.9
35°	111.9	106.7	96.9	86.4	80.5	78.5	83.1	92.9	105.4	115.8	120.4
37.5°	102.7	95.5	81.8	69.4	62.8	61.5	66.1	76.6	91.0	105.4	111.3
40°	92.3	83.8	67.4	54.3	49.1	47.8	51.7	62.2	77.2	93.6	102.7
42.5°	81.8	71.3	54.3	43.2	38.0	38.0	43.2	51.0	64.8	82.5	93.6
45°	71.3	60.2	44.5	34.7	31.4	32.1	35.3	43.2	54.3	72.6	83.1
47.5°	61.5	51.7	36.6	28.8	26.2	26.8	30.8	37.3	46.5	62.8	74.0
50°	53.0	43.8	32.1	24.2	22.3	23.6	27.5	33.4	41.2	55.6	64.8
52.5°	47.8	39.3	29.4	20.9	19.6	20.9	24.9	30.1	37.3	49.1	58.2
55°	45.2	38.6	29.4	19.0	17.0	18.3	22.3	27.5	33.4	44.5	52.4
57.5°	44.5	39.9	31.4	17.0	14.4	15.7	19.6	24.9	30.8	40.6	47.1
60°	41.9	38.0	30.8	13.7	11.1	13.1	16.4	21.6	28.1	38.0	43.8
62.5°	36.6	33.4	26.8	11.1	8.5	9.8	13.7	19.0	25.5	34.7	41.2
65°	30.1	26.8	20.9	7.2	5.2	6.5	10.5	16.4	22.3	31.4	37.3
67.5°	22.3	19.0	14.4	4.6	2.6	4.6	8.5	13.7	20.3	28.1	34.0
70°	13.7	11.1	7.9	2.6	2.0	3.9	7.9	13.1	18.3	26.2	32.1
72.5°	7.9	5.2	3.3	1.3	2.0	3.9	7.9	13.1	17.7	24.9	30.1
75°	5.9	3.3	1.3	0.7	1.3	3.3	7.2	11.8	17.0	23.6	28.8
77.5°	3.9	2.0	0.7	0.0	0.7	2.6	6.5	11.1	15.7	22.3	27.5
80°	0.7	0.0	0.0	0.0	0.0	2.0	5.9	9.8	14.4	19.6	24.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	4.6	8.5	12.4	16.4	19.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	6.5	9.8	12.4	13.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.5	7.9	9.2
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°	286.6	286.6	286.6	286.6	286.6	286.6	286.6	286.6	286.6	286.6	286.6
2.5°	267.7	271.6	271.6	274.2	277.5	283.4	286.6	291.2	294.5	297.8	299.1
5°	247.4	248.0	248.7	250.0	253.9	260.5	266.4	273.5	282.1	288.6	292.5
7.5°	230.4	230.4	230.4	232.3	236.2	240.8	246.7	256.5	266.4	274.2	280.7
10°	216.0	217.9	218.6	221.9	226.4	232.3	238.9	247.4	258.5	269.0	280.7
12.5°	206.8	208.8	212.0	215.3	219.9	226.4	233.6	244.8	267.7	289.3	314.1
15°	198.3	200.9	204.8	209.4	214.7	221.9	229.7	252.6	306.3	346.8	386.1
17.5°	189.1	193.1	198.3	202.9	209.4	217.3	227.1	271.6	376.9	444.4	511.1
20°	177.3	182.6	188.5	195.7	203.5	212.7	227.1	310.9	479.0	575.9	664.2
22.5°	166.2	171.5	178.7	187.8	197.0	206.1	230.4	370.4	610.6	733.0	844.9
25°	157.1	163.6	170.8	178.7	189.1	199.6	238.2	454.2	768.9	926.7	1005.9
27.5°	148.6	156.4	163.6	170.2	179.3	191.1	255.9	566.1	956.1	1116.4	1178.6
30°	140.0	149.2	156.4	163.0	172.1	184.5	282.7	708.7	1164.2	1320.0	1326.5
32.5°	132.8	141.4	149.9	156.4	164.9	179.3	320.0	875.6	1377.6	1528.1	1466.6
35°	125.0	134.8	142.7	149.9	159.0	174.7	363.2	1055.6	1592.9	1719.2	1606.0
37.5°	117.1	128.3	138.1	143.3	152.5	170.2	394.6	1243.4	1812.8	1905.7	1728.3
40°	109.9	122.4	133.5	138.7	143.3	164.3	399.2	1435.8	2035.9	2089.6	1843.5
42.5°	102.1	115.8	125.6	132.8	136.8	160.3	371.7	1598.1	2223.1	2272.8	1994.0
45°	93.6	109.9	117.8	123.0	130.9	163.0	336.4	1723.8	2437.1	2522.8	2242.1
47.5°	85.1	103.4	109.9	113.9	124.3	178.7	323.3	1807.5	2789.8	2967.8	2660.2
50°	77.2	97.5	104.7	104.1	123.0	198.9	337.7	1871.0	3319.9	3529.3	3233.5
52.5°	68.7	91.0	99.5	96.9	132.8	214.7	366.5	1921.4	3727.6	4187.7	4003.8
55°	61.5	83.8	91.6	91.0	151.2	226.4	388.7	1655.7	3896.4	4799.6	4871.5
57.5°	56.3	75.9	82.5	93.6	163.0	226.4	449.6	1175.3	3899.7	5249.8	6023.3
60°	51.7	68.7	73.3	102.7	158.4	214.7	445.0	719.9	3594.1	5219.0	6635.9
62.5°	47.8	62.2	68.1	105.4	140.0	212.7	401.8	446.3	3065.3	4821.8	6191.5
65°	44.5	56.9	65.4	96.9	127.0	227.7	270.9	320.7	2486.2	4368.9	5681.7
67.5°	41.2	52.4	69.4	79.2	115.2	203.5	195.7	227.7	1951.5	3872.2	5213.8
70°	38.6	49.7	73.3	64.8	100.8	159.0	138.7	172.8	1494.1	3230.9	4554.8
72.5°	36.6	46.5	61.5	51.0	81.8	123.0	96.9	125.6	976.4	2522.2	3713.2
75°	34.7	42.5	45.2	41.2	60.9	80.5	73.3	84.4	581.8	1843.5	2817.3
77.5°	34.0	39.9	36.6	33.4	41.2	47.8	55.6	56.9	284.0	922.1	1476.4
80°	30.1	36.0	31.4	27.5	28.1	31.4	41.2	38.0	64.8	234.3	394.0
82.5°	23.6	28.1	26.2	22.9	22.9	22.9	27.5	25.5	20.9	105.4	178.0
85°	16.4	19.6	19.6	18.3	17.7	17.7	17.0	16.4	5.9	6.5	9.8
87.5°	11.1	13.7	14.4	13.7	11.8	10.5	9.2	7.9	2.6	0.0	1.3
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°	286.6	286.6	286.6	286.6	286.6	286.6	286.6	286.6	286.6	286.6
2.5°	303.7	305.6	305.6	303.0	301.0	295.8	290.6	285.3	284.0	283.4
5°	303.7	311.5	315.4	314.8	310.2	301.7	290.6	278.8	275.5	274.2
7.5°	299.1	314.1	325.9	327.9	319.4	304.3	284.0	266.4	261.8	259.8
10°	309.5	339.0	362.6	365.8	356.0	326.6	293.8	263.7	256.5	252.0
12.5°	365.8	414.3	443.0	456.8	437.8	400.5	346.2	292.5	276.2	269.0
15°	479.7	548.4	603.4	603.4	585.7	519.6	450.9	363.9	341.6	322.0
17.5°	625.6	712.0	760.4	755.2	728.4	681.9	599.5	474.5	429.3	409.0
20°	791.9	843.6	854.7	851.4	839.6	812.8	755.9	621.7	560.8	529.4
22.5°	935.8	922.1	905.7	892.6	889.4	897.2	889.4	786.0	738.2	682.6
25°	1033.3	955.5	906.4	882.8	893.9	939.1	988.2	949.6	911.6	854.0
27.5°	1086.3	951.5	880.9	856.6	875.6	939.8	1046.4	1111.9	1072.6	1045.1
30°	1115.1	948.3	864.5	840.9	869.7	950.2	1087.0	1263.7	1265.0	1221.2
32.5°	1156.4	969.2	867.8	846.2	884.8	981.6	1138.0	1418.1	1456.1	1432.5
35°	1202.8	1001.3	882.8	863.2	911.0	1023.5	1195.0	1573.9	1653.1	1645.2
37.5°	1246.7	1037.3	918.2	899.2	950.9	1059.5	1250.0	1727.0	1837.0	1864.5
40°	1292.5	1087.7	1026.8	1045.1	1073.9	1116.4	1299.0	1859.9	2039.2	2080.4
42.5°	1400.5	1262.4	1355.3	1390.0	1393.9	1306.2	1406.4	2030.0	2238.1	2287.2
45°	1641.3	1573.2	1839.6	1888.7	1863.1	1597.5	1664.9	2275.4	2516.3	2541.1
47.5°	1945.6	1977.0	2502.5	2672.0	2518.9	1941.0	1978.3	2791.8	3025.4	3016.2
50°	2300.3	2448.9	3255.1	3655.0	3288.5	2387.3	2339.6	3426.6	3709.9	3681.8
52.5°	2719.8	2997.3	4159.5	4727.6	4380.7	2889.3	2869.7	4267.5	4440.3	4350.6
55°	3247.9	3526.7	5200.1	5993.9	5500.4	3501.8	3569.2	5242.6	5276.0	4991.3
57.5°	4035.8	4217.1	6426.5	7446.0	6669.2	4334.3	4823.1	6540.3	6141.1	5601.9
60°	5466.4	5105.2	7611.6	8931.6	7912.7	5505.0	6476.8	7309.3	6429.1	5685.6
62.5°	5964.4	5859.1	8353.7	9559.8	8749.0	6466.4	6906.8	6873.4	6056.0	5368.9
65°	5209.9	5671.2	8220.9	9228.0	8641.7	6308.0	6198.1	6392.4	5635.9	4887.9
67.5°	4812.6	5230.2	7717.6	8312.5	8046.8	5770.7	5524.7	5471.6	4731.5	4136.0
70°	4412.1	4825.7	6988.0	7061.9	6938.2	4895.1	4571.8	4216.5	3536.5	3018.9
72.5°	3930.5	4158.2	5975.6	5624.8	5484.7	3844.7	3776.7	3175.3	2651.1	2206.7
75°	3427.9	3361.8	4658.9	3860.5	3965.2	2991.4	3189.7	2331.7	1942.3	1588.3
77.5°	2493.4	2444.3	3120.3	2344.8	2596.8	1959.3	1760.4	930.6	886.1	764.4
80°	1391.3	1677.3	1685.1	1314.1	1639.3	1277.4	440.4	30.8	19.6	28.8
82.5°	646.6	721.2	913.6	609.3	935.2	632.8	91.0	0.0	0.0	0.0
85°	209.4	306.3	256.5	89.7	226.4	214.0	15.1	0.0	0.0	0.0
87.5°	12.4	25.5	6.5	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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