

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: P630616

Luminaire Tested: GWS-SA1E-722-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630616  
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-SA1E-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**

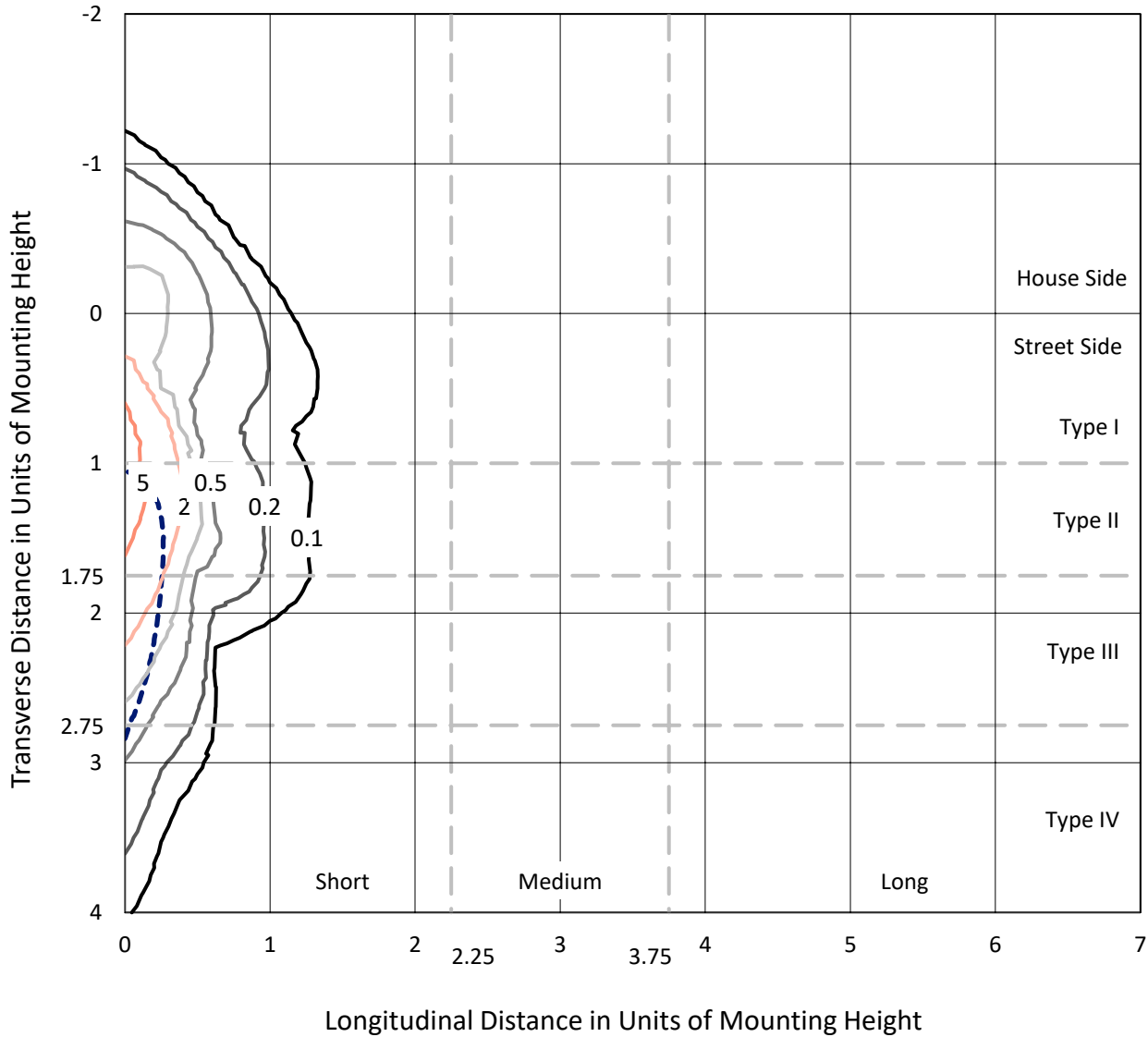
Lumens per Lamp: N/A  
Luminaire Lumens: 3379.4 lumens  
Efficiency: N/A  
Efficacy: 57.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

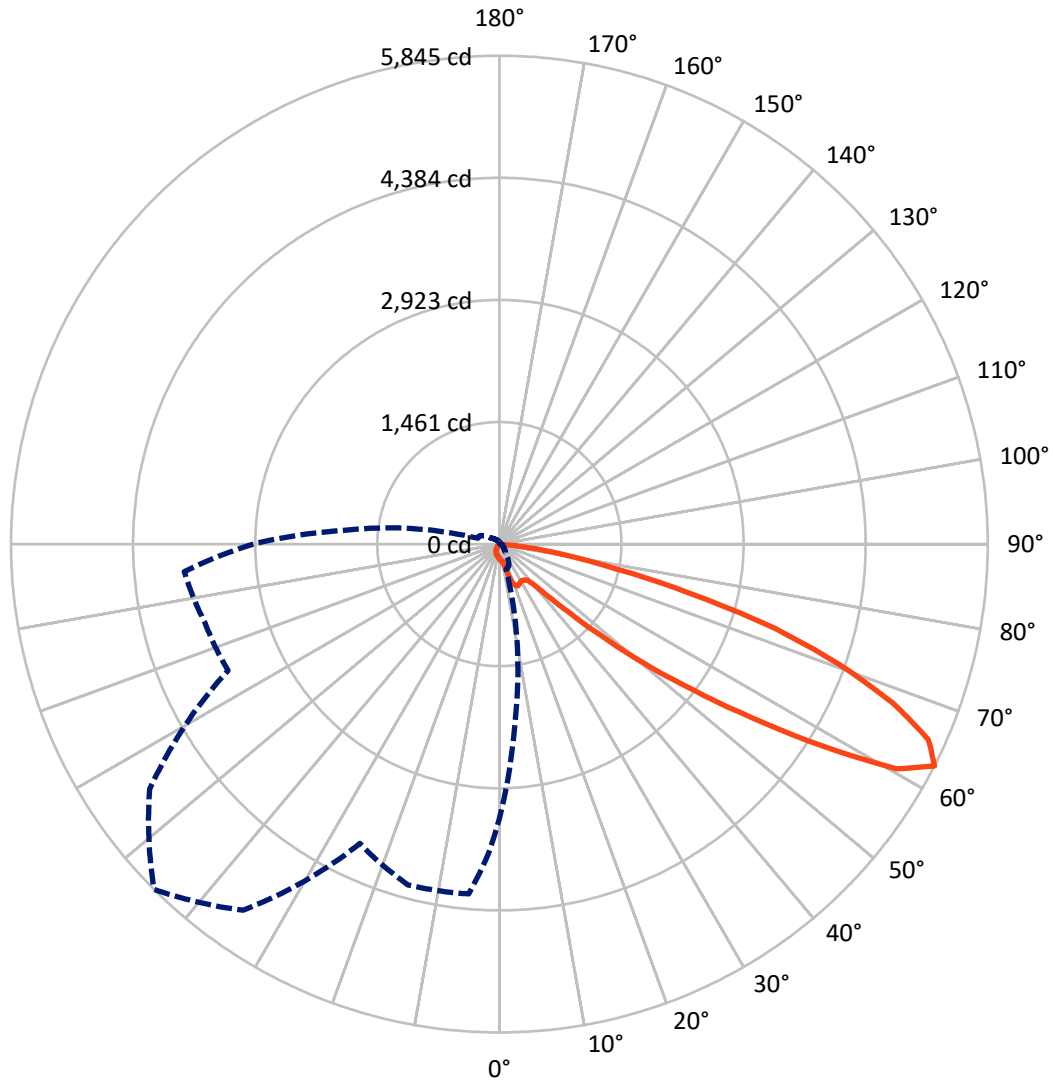
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 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	392.6	0.0	392.6
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	2986.8	0.0	2986.8
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	3379.4	0.0	3379.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.1	0.4
10°-20°	51.9	1.5
20°-30°	117.2	3.5
30°-40°	201.9	6.0
40°-50°	380.8	11.3
50°-60°	850.3	25.2
60°-70°	1137.3	33.7
70°-80°	570.3	16.9
80°-90°	54.7	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°	3379.4	100.0
0°-180°	3379.4	100.0

**Coefficient of Utilization**



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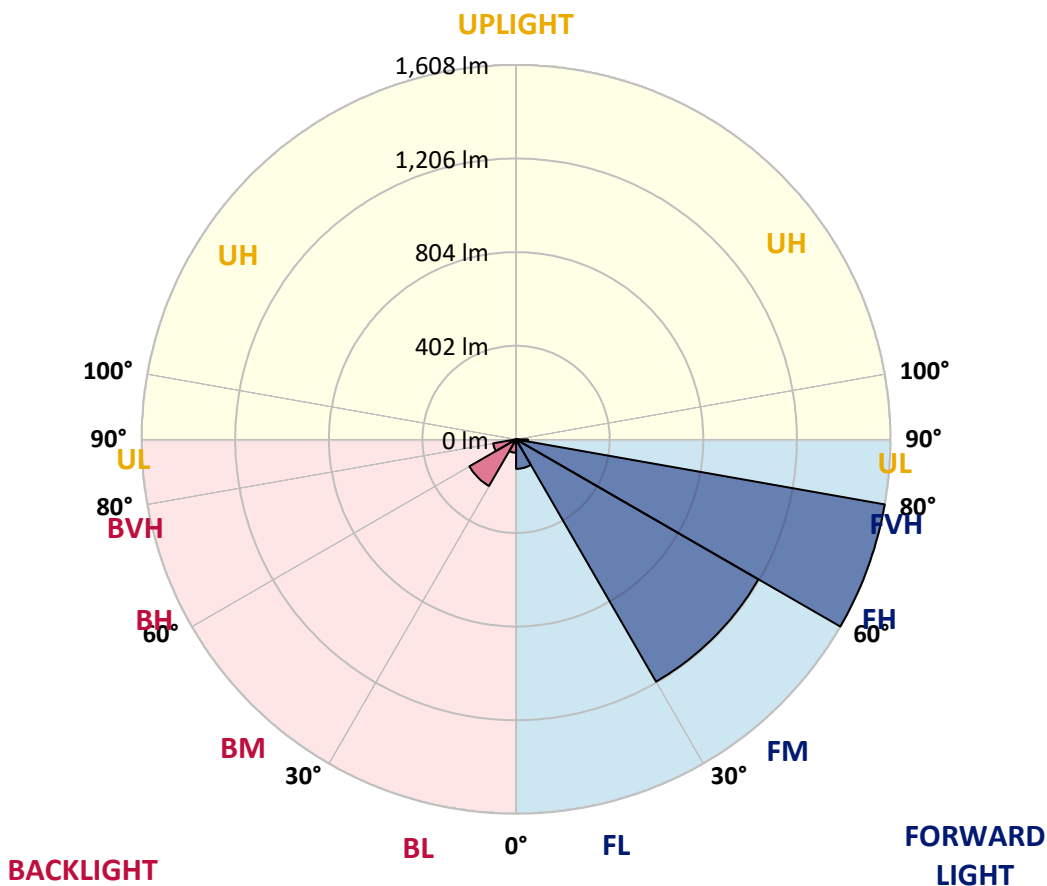
CATALOG NUMBER: GWS-SA1E-722-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	126.6	3.7			
FM (30°-60°)	1201.5	35.6			
FH (60°-80°)	1607.7	47.6			G1/1800
FVH (80°-90°)	51.0	1.5			G1/100
BL (0°-30°)	57.6	1.7	B0/110		
BM (30°-60°)	231.5	6.9	B1/1000		
BH (60°-80°)	99.8	3.0	B0/110		G0/110
BVH (80°-90°)	3.6	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°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3
2.5°	173.3	172.9	172.1	169.7	167.7	166.5	164.1	164.1	163.7	162.9	161.3
5°	167.7	166.1	164.5	160.1	155.3	152.5	149.3	148.9	148.9	148.1	147.7
7.5°	158.9	157.3	155.3	148.1	143.7	140.9	138.1	137.7	136.5	136.5	136.5
10°	154.1	151.7	148.5	140.5	136.1	133.7	131.6	130.4	129.6	128.4	128.0
12.5°	164.5	160.1	153.3	138.9	132.8	129.6	127.2	126.4	124.0	122.4	121.2
15°	196.9	186.1	172.5	142.5	131.6	126.8	123.6	122.0	120.0	117.2	115.2
17.5°	250.1	234.5	211.7	154.1	130.4	124.4	120.4	117.6	114.8	111.6	109.2
20°	323.7	300.5	273.3	175.3	130.4	121.6	116.8	113.2	109.2	105.6	102.8
22.5°	417.4	394.1	347.7	211.3	132.0	118.0	112.4	107.6	102.8	99.6	96.4
25°	522.2	489.4	446.2	254.9	136.5	113.2	107.2	102.4	98.0	94.0	90.4
27.5°	639.0	603.4	545.8	316.9	146.1	108.4	101.6	97.2	93.2	89.2	84.4
30°	746.7	725.5	666.6	391.3	161.7	105.2	97.2	93.2	89.2	84.0	79.6
32.5°	875.9	838.3	789.9	476.2	182.5	102.0	93.6	88.0	84.8	80.0	75.2
35°	1006.0	974.0	910.3	580.6	205.7	98.8	89.2	84.0	81.2	75.6	70.4
37.5°	1140.0	1132.8	1070.0	696.3	228.5	95.2	84.0	80.8	78.0	71.6	65.6
40°	1272.1	1258.9	1200.9	828.3	242.5	91.2	79.6	77.6	74.4	67.2	60.4
42.5°	1398.5	1388.5	1332.1	954.8	240.5	87.6	75.2	72.8	70.4	63.2	54.8
45°	1553.8	1537.4	1466.1	1048.4	220.1	91.6	70.8	66.8	66.4	59.6	49.2
47.5°	1844.3	1790.3	1669.4	1120.4	199.7	102.0	66.0	61.2	64.0	56.0	43.6
50°	2251.2	2187.6	2012.8	1176.4	199.3	115.6	65.2	56.0	62.0	53.2	38.8
52.5°	2660.2	2548.2	2335.7	1206.5	214.1	125.6	72.4	50.8	59.6	50.4	35.2
55°	3051.9	2819.5	2470.9	1107.2	225.7	136.5	85.6	48.0	55.2	47.2	33.2
57.5°	3425.3	3037.5	2529.7	875.9	264.5	140.9	93.6	49.2	48.8	43.2	31.6
60°	3476.5	3027.1	2410.9	509.4	291.7	133.2	90.4	54.8	42.8	38.4	28.8
62.5°	3282.8	2825.9	2140.0	317.7	270.9	130.4	80.4	62.4	38.8	34.0	25.2
65°	2988.7	2510.1	1784.3	204.9	205.3	144.9	70.4	61.2	36.4	30.0	21.6
67.5°	2528.9	2100.8	1405.7	137.3	116.0	123.6	61.6	42.0	35.6	25.6	16.8
70°	1845.9	1495.4	915.1	91.6	69.2	98.8	51.6	30.0	33.6	21.2	12.0
72.5°	1349.3	1004.8	511.0	60.0	39.2	57.6	38.0	21.6	26.0	15.6	8.4
75°	971.2	691.5	291.7	38.4	26.0	31.6	24.8	14.8	16.8	12.4	7.6
77.5°	467.4	336.9	132.4	21.2	17.6	16.0	13.2	9.2	10.4	11.2	6.8
80°	17.6	13.2	10.0	10.4	11.2	7.2	6.0	4.8	6.0	7.6	3.6
82.5°	0.0	0.0	0.0	1.2	1.6	2.0	2.4	2.0	2.4	2.8	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°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3
2.5°	162.5	161.7	162.5	163.3	164.1	164.9	163.7	164.5	165.3	163.3	164.1
5°	149.7	149.3	151.7	152.9	154.5	155.3	154.5	154.5	154.1	151.7	151.7
7.5°	138.5	138.9	140.9	143.7	145.7	146.9	146.1	145.7	144.5	140.9	140.9
10°	130.0	130.0	133.2	135.7	138.5	139.7	138.9	137.7	136.5	132.8	132.4
12.5°	123.2	123.2	125.6	129.6	132.8	134.5	134.1	132.4	130.4	126.8	126.4
15°	116.8	116.4	120.0	123.6	128.0	130.0	129.2	128.0	124.4	121.2	120.4
17.5°	110.4	110.0	113.2	118.0	122.8	125.6	125.2	122.4	119.2	115.2	114.4
20°	104.0	103.2	107.2	112.0	116.8	119.6	118.8	116.4	112.4	108.4	107.6
22.5°	97.6	97.2	100.0	104.0	108.4	110.8	110.4	108.4	104.4	100.8	100.8
25°	90.4	90.4	92.4	95.2	98.4	99.6	100.0	99.2	96.8	94.8	94.8
27.5°	84.4	83.2	84.0	84.8	86.4	88.4	88.4	89.2	89.6	88.8	89.2
30°	79.6	77.6	76.4	74.8	74.0	74.8	75.6	78.4	81.2	82.8	83.6
32.5°	74.0	71.6	68.4	64.0	61.2	60.4	62.8	68.0	73.2	76.8	78.8
35°	68.4	65.2	59.2	52.8	49.2	48.0	50.8	56.8	64.4	70.8	73.6
37.5°	62.8	58.4	50.0	42.4	38.4	37.6	40.4	46.8	55.6	64.4	68.0
40°	56.4	51.2	41.2	33.2	30.0	29.2	31.6	38.0	47.2	57.2	62.8
42.5°	50.0	43.6	33.2	26.4	23.2	23.2	26.4	31.2	39.6	50.4	57.2
45°	43.6	36.8	27.2	21.2	19.2	19.6	21.6	26.4	33.2	44.4	50.8
47.5°	37.6	31.6	22.4	17.6	16.0	16.4	18.8	22.8	28.4	38.4	45.2
50°	32.4	26.8	19.6	14.8	13.6	14.4	16.8	20.4	25.2	34.0	39.6
52.5°	29.2	24.0	18.0	12.8	12.0	12.8	15.2	18.4	22.8	30.0	35.6
55°	27.6	23.6	18.0	11.6	10.4	11.2	13.6	16.8	20.4	27.2	32.0
57.5°	27.2	24.4	19.2	10.4	8.8	9.6	12.0	15.2	18.8	24.8	28.8
60°	25.6	23.2	18.8	8.4	6.8	8.0	10.0	13.2	17.2	23.2	26.8
62.5°	22.4	20.4	16.4	6.8	5.2	6.0	8.4	11.6	15.6	21.2	25.2
65°	18.4	16.4	12.8	4.4	3.2	4.0	6.4	10.0	13.6	19.2	22.8
67.5°	13.6	11.6	8.8	2.8	1.6	2.8	5.2	8.4	12.4	17.2	20.8
70°	8.4	6.8	4.8	1.6	1.2	2.4	4.8	8.0	11.2	16.0	19.6
72.5°	4.8	3.2	2.0	0.8	1.2	2.4	4.8	8.0	10.8	15.2	18.4
75°	3.6	2.0	0.8	0.4	0.8	2.0	4.4	7.2	10.4	14.4	17.6
77.5°	2.4	1.2	0.4	0.0	0.4	1.6	4.0	6.8	9.6	13.6	16.8
80°	0.4	0.0	0.0	0.0	0.0	1.2	3.6	6.0	8.8	12.0	14.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	2.8	5.2	7.6	10.0	12.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	6.0	7.6	8.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	4.8	5.6
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°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3
2.5°	163.7	166.1	166.1	167.7	169.7	173.3	175.3	178.1	180.1	182.1	182.9
5°	151.3	151.7	152.1	152.9	155.3	159.3	162.9	167.3	172.5	176.5	178.9
7.5°	140.9	140.9	140.9	142.1	144.5	147.3	150.9	156.9	162.9	167.7	171.7
10°	132.0	133.2	133.7	135.7	138.5	142.1	146.1	151.3	158.1	164.5	171.7
12.5°	126.4	127.6	129.6	131.6	134.5	138.5	142.9	149.7	163.7	176.9	192.1
15°	121.2	122.8	125.2	128.0	131.2	135.7	140.5	154.5	187.3	212.1	236.1
17.5°	115.6	118.0	121.2	124.0	128.0	132.8	138.9	166.1	230.5	271.7	312.5
20°	108.4	111.6	115.2	119.6	124.4	130.0	138.9	190.1	292.9	352.1	406.2
22.5°	101.6	104.8	109.2	114.8	120.4	126.0	140.9	226.5	373.3	448.2	516.6
25°	96.0	100.0	104.4	109.2	115.6	122.0	145.7	277.7	470.2	566.6	615.0
27.5°	90.8	95.6	100.0	104.0	109.6	116.8	156.5	346.1	584.6	682.7	720.7
30°	85.6	91.2	95.6	99.6	105.2	112.8	172.9	433.4	711.9	807.1	811.1
32.5°	81.2	86.4	91.6	95.6	100.8	109.6	195.7	535.4	842.3	934.4	896.7
35°	76.4	82.4	87.2	91.6	97.2	106.8	222.1	645.4	974.0	1051.2	982.0
37.5°	71.6	78.4	84.4	87.6	93.2	104.0	241.3	760.3	1108.4	1165.2	1056.8
40°	67.2	74.8	81.6	84.8	87.6	100.4	244.1	877.9	1244.9	1277.7	1127.2
42.5°	62.4	70.8	76.8	81.2	83.6	98.0	227.3	977.2	1359.3	1389.7	1219.3
45°	57.2	67.2	72.0	75.2	80.0	99.6	205.7	1054.0	1490.2	1542.6	1370.9
47.5°	52.0	63.2	67.2	69.6	76.0	109.2	197.7	1105.2	1705.8	1814.7	1626.6
50°	47.2	59.6	64.0	63.6	75.2	121.6	206.5	1144.0	2030.0	2158.0	1977.1
52.5°	42.0	55.6	60.8	59.2	81.2	131.2	224.1	1174.8	2279.3	2560.6	2448.1
55°	37.6	51.2	56.0	55.6	92.4	138.5	237.7	1012.4	2382.5	2934.7	2978.7
57.5°	34.4	46.4	50.4	57.2	99.6	138.5	274.9	718.7	2384.5	3210.0	3683.0
60°	31.6	42.0	44.8	62.8	96.8	131.2	272.1	440.2	2197.6	3191.2	4057.5
62.5°	29.2	38.0	41.6	64.4	85.6	130.0	245.7	272.9	1874.3	2948.3	3785.8
65°	27.2	34.8	40.0	59.2	77.6	139.3	165.7	196.1	1520.2	2671.4	3474.1
67.5°	25.2	32.0	42.4	48.4	70.4	124.4	119.6	139.3	1193.2	2367.7	3188.0
70°	23.6	30.4	44.8	39.6	61.6	97.2	84.8	105.6	913.5	1975.5	2785.0
72.5°	22.4	28.4	37.6	31.2	50.0	75.2	59.2	76.8	597.0	1542.2	2270.5
75°	21.2	26.0	27.6	25.2	37.2	49.2	44.8	51.6	355.7	1127.2	1722.6
77.5°	20.8	24.4	22.4	20.4	25.2	29.2	34.0	34.8	173.7	563.8	902.7
80°	18.4	22.0	19.2	16.8	17.2	19.2	25.2	23.2	39.6	143.3	240.9
82.5°	14.4	17.2	16.0	14.0	14.0	14.0	16.8	15.6	12.8	64.4	108.8
85°	10.0	12.0	12.0	11.2	10.8	10.8	10.4	10.0	3.6	4.0	6.0
87.5°	6.8	8.4	8.8	8.4	7.2	6.4	5.6	4.8	1.6	0.0	0.8
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°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3
2.5°	185.7	186.9	186.9	185.3	184.1	180.9	177.7	174.5	173.7	173.3
5°	185.7	190.5	192.9	192.5	189.7	184.5	177.7	170.5	168.5	167.7
7.5°	182.9	192.1	199.3	200.5	195.3	186.1	173.7	162.9	160.1	158.9
10°	189.3	207.3	221.7	223.7	217.7	199.7	179.7	161.3	156.9	154.1
12.5°	223.7	253.3	270.9	279.3	267.7	244.9	211.7	178.9	168.9	164.5
15°	293.3	335.3	368.9	368.9	358.1	317.7	275.7	222.5	208.9	196.9
17.5°	382.5	435.4	465.0	461.8	445.4	417.0	366.5	290.1	262.5	250.1
20°	484.2	515.8	522.6	520.6	513.4	497.0	462.2	380.1	342.9	323.7
22.5°	572.2	563.8	553.8	545.8	543.8	548.6	543.8	480.6	451.4	417.4
25°	631.8	584.2	554.2	539.8	546.6	574.2	604.2	580.6	557.4	522.2
27.5°	664.2	581.8	538.6	523.8	535.4	574.6	639.8	679.9	655.8	639.0
30°	681.9	579.8	528.6	514.2	531.8	581.0	664.6	772.7	773.5	746.7
32.5°	707.1	592.6	530.6	517.4	541.0	600.2	695.9	867.1	890.3	875.9
35°	735.5	612.2	539.8	527.8	557.0	625.8	730.7	962.4	1010.8	1006.0
37.5°	762.3	634.2	561.4	549.8	581.4	647.8	764.3	1056.0	1123.2	1140.0
40°	790.3	665.0	627.8	639.0	656.6	682.7	794.3	1137.2	1246.9	1272.1
42.5°	856.3	771.9	828.7	849.9	852.3	798.7	859.9	1241.3	1368.5	1398.5
45°	1003.6	962.0	1124.8	1154.8	1139.2	976.8	1018.0	1391.3	1538.6	1553.8
47.5°	1189.6	1208.9	1530.2	1633.8	1540.2	1186.8	1209.7	1707.0	1849.9	1844.3
50°	1406.5	1497.4	1990.3	2234.8	2010.8	1459.7	1430.5	2095.2	2268.5	2251.2
52.5°	1663.0	1832.7	2543.4	2890.7	2678.6	1766.7	1754.7	2609.4	2715.0	2660.2
55°	1985.9	2156.4	3179.6	3665.0	3363.3	2141.2	2182.4	3205.6	3226.0	3051.9
57.5°	2467.7	2578.6	3929.5	4552.9	4077.9	2650.2	2949.1	3999.1	3755.0	3425.3
60°	3342.5	3121.6	4654.1	5461.2	4838.2	3366.1	3960.3	4469.3	3931.1	3476.5
62.5°	3647.0	3582.5	5107.9	5845.4	5349.6	3953.9	4223.2	4202.8	3703.0	3282.8
65°	3185.6	3467.7	5026.7	5642.5	5284.0	3857.0	3789.8	3908.7	3446.1	2988.7
67.5°	2942.7	3198.0	4719.0	5082.7	4920.2	3528.5	3378.1	3345.7	2893.1	2528.9
70°	2697.8	2950.7	4272.8	4318.0	4242.4	2993.1	2795.4	2578.2	2162.4	1845.9
72.5°	2403.3	2542.6	3653.8	3439.3	3353.7	2350.9	2309.3	1941.5	1621.0	1349.3
75°	2096.0	2055.6	2848.7	2360.5	2424.5	1829.1	1950.3	1425.7	1187.6	971.2
77.5°	1524.6	1494.6	1907.9	1433.7	1587.8	1198.0	1076.4	569.0	541.8	467.4
80°	850.7	1025.6	1030.4	803.5	1002.4	781.1	269.3	18.8	12.0	17.6
82.5°	395.3	441.0	558.6	372.5	571.8	386.9	55.6	0.0	0.0	0.0
85°	128.0	187.3	156.9	54.8	138.5	130.8	9.2	0.0	0.0	0.0
87.5°	7.6	15.6	4.0	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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