

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: P632101

Luminaire Tested: GWS-SA2C-722-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632101  
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-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

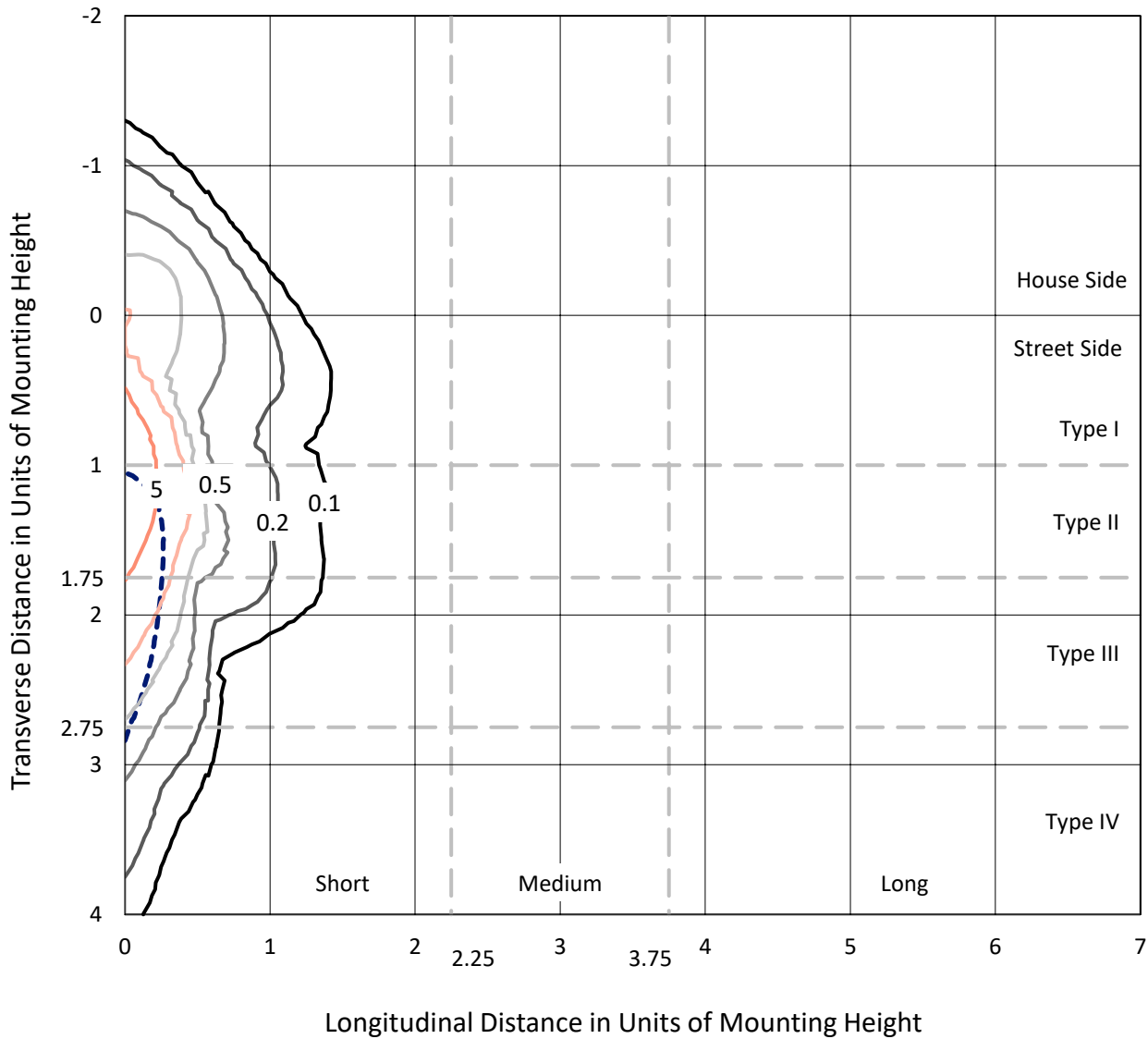
Lumens per Lamp: N/A  
Luminaire Lumens: 4127.7 lumens  
Efficiency: N/A  
Efficacy: 65.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

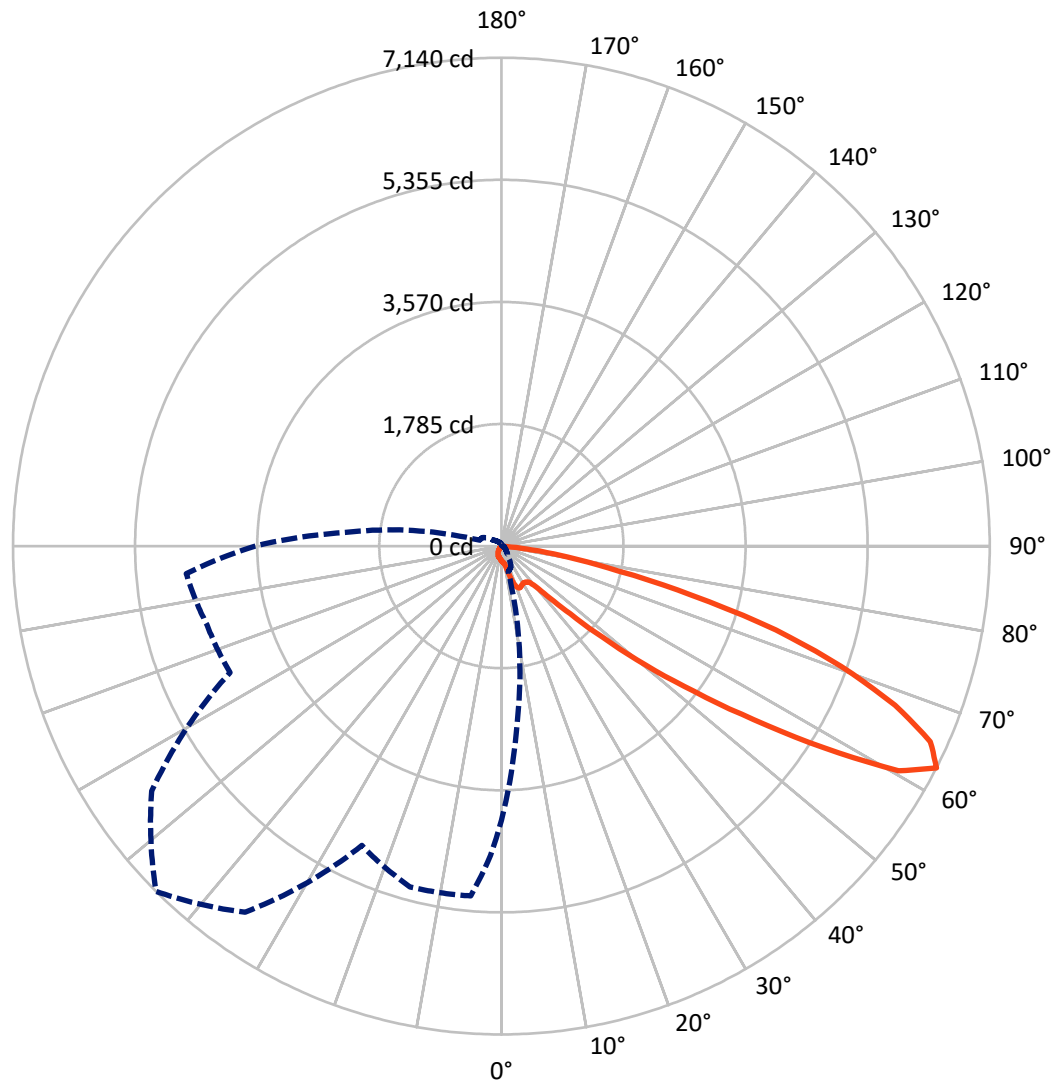
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 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	479.6	0.0	479.6
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	3648.1	0.0	3648.1
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	4127.7	0.0	4127.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.5	0.4
10°-20°	63.4	1.5
20°-30°	143.1	3.5
30°-40°	246.6	6.0
40°-50°	465.2	11.3
50°-60°	1038.6	25.2
60°-70°	1389.1	33.7
70°-80°	696.6	16.9
80°-90°	66.8	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°	4127.7	100.0
0°-180°	4127.7	100.0

**Coefficient of Utilization**



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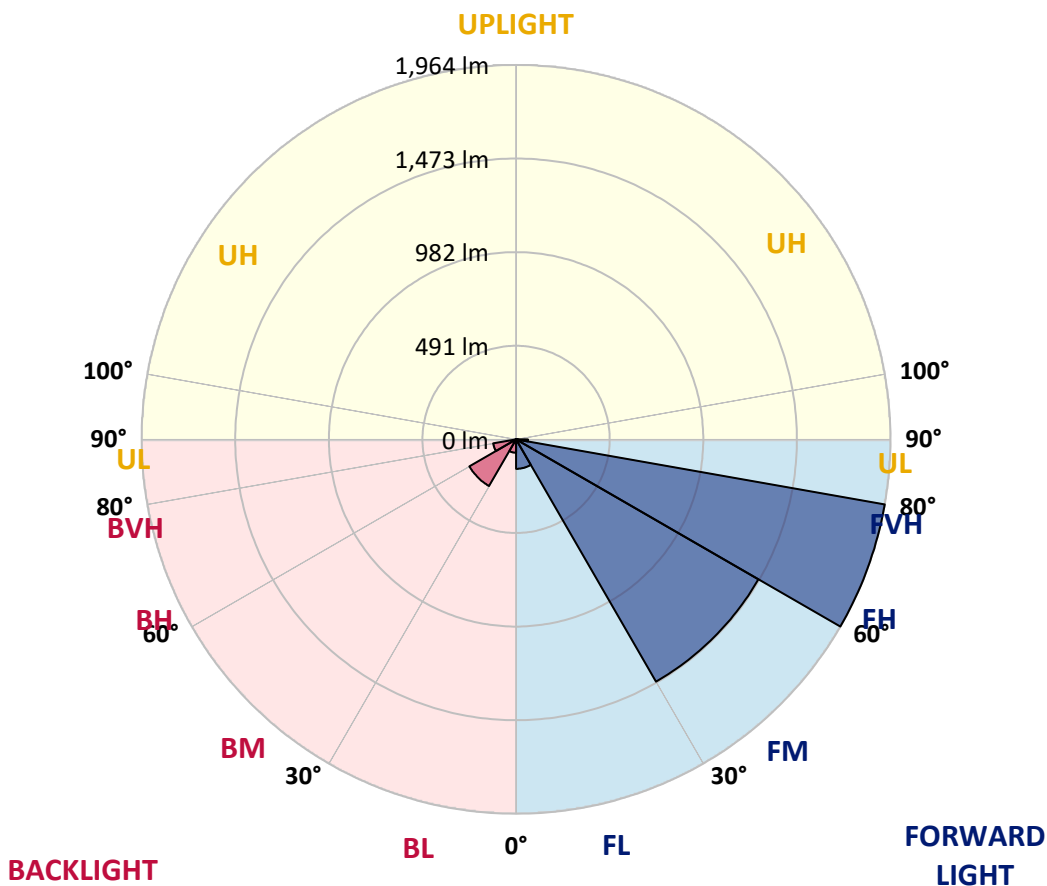
CATALOG NUMBER: GWS-SA2C-722-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.6	3.7			
FM (30°-60°)	1467.5	35.6			
FH (60°-80°)	1963.7	47.6			G2/5000
FVH (80°-90°)	62.3	1.5			G1/100
BL (0°-30°)	70.4	1.7	B0/110		
BM (30°-60°)	282.8	6.9	B1/1000		
BH (60°-80°)	122.0	3.0	B1/500		G1/500
BVH (80°-90°)	4.4	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°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1
2.5°	211.6	211.1	210.2	207.2	204.8	203.3	200.4	200.4	199.9	198.9	197.0
5°	204.8	202.8	200.9	195.5	189.6	186.2	182.3	181.8	181.8	180.8	180.3
7.5°	194.0	192.1	189.6	180.8	175.5	172.0	168.6	168.1	166.7	166.7	166.7
10°	188.2	185.2	181.3	171.5	166.2	163.2	160.8	159.3	158.4	156.9	156.4
12.5°	200.9	195.5	187.2	169.6	162.3	158.4	155.4	154.4	151.5	149.6	148.1
15°	240.5	227.3	210.6	174.0	160.8	154.9	151.0	149.1	146.6	143.2	140.8
17.5°	305.5	286.4	258.5	188.2	159.3	152.0	147.1	143.7	140.3	136.4	133.4
20°	395.4	367.0	333.8	214.1	159.3	148.6	142.7	138.3	133.4	129.0	125.6
22.5°	509.8	481.4	424.7	258.1	161.3	144.2	137.3	131.5	125.6	121.7	117.8
25°	637.8	597.7	544.9	311.3	166.7	138.3	131.0	125.1	119.7	114.9	110.5
27.5°	780.5	737.0	666.6	387.1	178.4	132.4	124.1	118.8	113.9	109.0	103.1
30°	912.0	886.1	814.2	478.0	197.5	128.5	118.8	113.9	109.0	102.6	97.3
32.5°	1069.9	1023.9	964.8	581.6	222.9	124.6	114.4	107.5	103.6	97.7	91.9
35°	1228.7	1189.6	1111.9	709.2	251.2	120.7	109.0	102.6	99.2	92.4	86.0
37.5°	1392.4	1383.6	1306.9	850.4	279.1	116.3	102.6	98.7	95.3	87.5	80.2
40°	1553.7	1537.6	1466.7	1011.7	296.2	111.4	97.3	94.8	90.9	82.1	73.8
42.5°	1708.1	1695.9	1627.0	1166.1	293.7	107.0	91.9	89.0	86.0	77.2	67.0
45°	1897.8	1877.7	1790.7	1280.5	268.8	111.9	86.5	81.6	81.1	72.8	60.1
47.5°	2252.6	2186.6	2039.0	1368.5	243.9	124.6	80.6	74.8	78.2	68.4	53.3
50°	2749.7	2671.9	2458.4	1436.9	243.4	141.2	79.7	68.4	75.8	65.0	47.4
52.5°	3249.1	3112.3	2852.8	1473.6	261.5	153.5	88.5	62.1	72.8	61.6	43.0
55°	3727.6	3443.7	3018.0	1352.3	275.6	166.7	104.6	58.6	67.4	57.7	40.6
57.5°	4183.6	3710.0	3089.8	1069.9	323.1	172.0	114.4	60.1	59.6	52.8	38.6
60°	4246.2	3697.3	2944.7	622.2	356.3	162.8	110.5	67.0	52.3	46.9	35.2
62.5°	4009.6	3451.5	2613.8	388.1	330.9	159.3	98.2	76.2	47.4	41.5	30.8
65°	3650.4	3065.9	2179.3	250.2	250.7	176.9	86.0	74.8	44.5	36.7	26.4
67.5°	3088.8	2565.9	1716.9	167.6	141.7	151.0	75.3	51.3	43.5	31.3	20.5
70°	2254.6	1826.4	1117.8	111.9	84.6	120.7	63.0	36.7	41.1	25.9	14.7
72.5°	1648.0	1227.2	624.1	73.3	47.9	70.4	46.4	26.4	31.8	19.1	10.3
75°	1186.2	844.5	356.3	46.9	31.8	38.6	30.3	18.1	20.5	15.2	9.3
77.5°	570.8	411.5	161.8	25.9	21.5	19.5	16.1	11.2	12.7	13.7	8.3
80°	21.5	16.1	12.2	12.7	13.7	8.8	7.3	5.9	7.3	9.3	4.4
82.5°	0.0	0.0	0.0	1.5	2.0	2.4	2.9	2.4	2.9	3.4	0.5
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°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1
2.5°	198.4	197.5	198.4	199.4	200.4	201.4	199.9	200.9	201.8	199.4	200.4
5°	182.8	182.3	185.2	186.7	188.7	189.6	188.7	188.7	188.2	185.2	185.2
7.5°	169.1	169.6	172.0	175.5	177.9	179.4	178.4	177.9	176.4	172.0	172.0
10°	158.8	158.8	162.8	165.7	169.1	170.6	169.6	168.1	166.7	162.3	161.8
12.5°	150.5	150.5	153.5	158.4	162.3	164.2	163.7	161.8	159.3	154.9	154.4
15°	142.7	142.2	146.6	151.0	156.4	158.8	157.9	156.4	152.0	148.1	147.1
17.5°	134.9	134.4	138.3	144.2	150.0	153.5	153.0	149.6	145.6	140.8	139.8
20°	127.1	126.1	131.0	136.8	142.7	146.1	145.2	142.2	137.3	132.4	131.5
22.5°	119.3	118.8	122.2	127.1	132.4	135.4	134.9	132.4	127.6	123.2	123.2
25°	110.5	110.5	112.9	116.3	120.2	121.7	122.2	121.2	118.3	115.8	115.8
27.5°	103.1	101.7	102.6	103.6	105.6	108.0	108.0	109.0	109.5	108.5	109.0
30°	97.3	94.8	93.3	91.4	90.4	91.4	92.4	95.8	99.2	101.2	102.1
32.5°	90.4	87.5	83.6	78.2	74.8	73.8	76.7	83.1	89.4	93.8	96.3
35°	83.6	79.7	72.3	64.5	60.1	58.6	62.1	69.4	78.7	86.5	89.9
37.5°	76.7	71.4	61.1	51.8	46.9	45.9	49.4	57.2	67.9	78.7	83.1
40°	68.9	62.6	50.3	40.6	36.7	35.7	38.6	46.4	57.7	69.9	76.7
42.5°	61.1	53.3	40.6	32.3	28.3	28.3	32.3	38.1	48.4	61.6	69.9
45°	53.3	45.0	33.2	25.9	23.5	23.9	26.4	32.3	40.6	54.3	62.1
47.5°	45.9	38.6	27.4	21.5	19.5	20.0	23.0	27.9	34.7	46.9	55.2
50°	39.6	32.7	23.9	18.1	16.6	17.6	20.5	24.9	30.8	41.5	48.4
52.5°	35.7	29.3	22.0	15.6	14.7	15.6	18.6	22.5	27.9	36.7	43.5
55°	33.7	28.8	22.0	14.2	12.7	13.7	16.6	20.5	24.9	33.2	39.1
57.5°	33.2	29.8	23.5	12.7	10.8	11.7	14.7	18.6	23.0	30.3	35.2
60°	31.3	28.3	23.0	10.3	8.3	9.8	12.2	16.1	21.0	28.3	32.7
62.5°	27.4	24.9	20.0	8.3	6.4	7.3	10.3	14.2	19.1	25.9	30.8
65°	22.5	20.0	15.6	5.4	3.9	4.9	7.8	12.2	16.6	23.5	27.9
67.5°	16.6	14.2	10.8	3.4	2.0	3.4	6.4	10.3	15.2	21.0	25.4
70°	10.3	8.3	5.9	2.0	1.5	2.9	5.9	9.8	13.7	19.5	23.9
72.5°	5.9	3.9	2.4	1.0	1.5	2.9	5.9	9.8	13.2	18.6	22.5
75°	4.4	2.4	1.0	0.5	1.0	2.4	5.4	8.8	12.7	17.6	21.5
77.5°	2.9	1.5	0.5	0.0	0.5	2.0	4.9	8.3	11.7	16.6	20.5
80°	0.5	0.0	0.0	0.0	0.0	1.5	4.4	7.3	10.8	14.7	18.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	3.4	6.4	9.3	12.2	14.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.9	7.3	9.3	10.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.9	5.9	6.8
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1
2.5°	199.9	202.8	202.8	204.8	207.2	211.6	214.1	217.5	219.9	222.4	223.4
5°	184.7	185.2	185.7	186.7	189.6	194.5	198.9	204.3	210.6	215.5	218.5
7.5°	172.0	172.0	172.0	173.5	176.4	179.9	184.3	191.6	198.9	204.8	209.7
10°	161.3	162.8	163.2	165.7	169.1	173.5	178.4	184.7	193.1	200.9	209.7
12.5°	154.4	155.9	158.4	160.8	164.2	169.1	174.5	182.8	199.9	216.0	234.6
15°	148.1	150.0	153.0	156.4	160.3	165.7	171.5	188.7	228.7	259.0	288.4
17.5°	141.2	144.2	148.1	151.5	156.4	162.3	169.6	202.8	281.5	331.9	381.7
20°	132.4	136.4	140.8	146.1	152.0	158.8	169.6	232.2	357.8	430.1	496.1
22.5°	124.1	128.1	133.4	140.3	147.1	154.0	172.0	276.6	456.0	547.4	631.0
25°	117.3	122.2	127.6	133.4	141.2	149.1	177.9	339.2	574.3	692.1	751.2
27.5°	110.9	116.8	122.2	127.1	133.9	142.7	191.1	422.8	714.1	833.8	880.2
30°	104.6	111.4	116.8	121.7	128.5	137.8	211.1	529.3	869.5	985.8	990.7
32.5°	99.2	105.6	111.9	116.8	123.2	133.9	239.0	653.9	1028.8	1141.2	1095.3
35°	93.3	100.7	106.5	111.9	118.8	130.5	271.3	788.3	1189.6	1283.9	1199.4
37.5°	87.5	95.8	103.1	107.0	113.9	127.1	294.7	928.6	1353.8	1423.2	1290.8
40°	82.1	91.4	99.7	103.6	107.0	122.7	298.1	1072.3	1520.5	1560.5	1376.8
42.5°	76.2	86.5	93.8	99.2	102.1	119.7	277.6	1193.5	1660.3	1697.4	1489.2
45°	69.9	82.1	88.0	91.9	97.7	121.7	251.2	1287.3	1820.1	1884.1	1674.4
47.5°	63.5	77.2	82.1	85.0	92.9	133.4	241.4	1349.9	2083.5	2216.4	1986.7
50°	57.7	72.8	78.2	77.7	91.9	148.6	252.2	1397.3	2479.4	2635.8	2414.9
52.5°	51.3	67.9	74.3	72.3	99.2	160.3	273.7	1434.9	2783.9	3127.5	2990.1
55°	45.9	62.6	68.4	67.9	112.9	169.1	290.3	1236.5	2910.0	3584.4	3638.2
57.5°	42.0	56.7	61.6	69.9	121.7	169.1	335.8	877.8	2912.4	3920.7	4498.4
60°	38.6	51.3	54.7	76.7	118.3	160.3	332.3	537.6	2684.2	3897.7	4955.8
62.5°	35.7	46.4	50.8	78.7	104.6	158.8	300.1	333.3	2289.3	3601.0	4624.0
65°	33.2	42.5	48.9	72.3	94.8	170.1	202.3	239.5	1856.7	3262.8	4243.2
67.5°	30.8	39.1	51.8	59.1	86.0	152.0	146.1	170.1	1457.4	2891.9	3893.8
70°	28.8	37.1	54.7	48.4	75.3	118.8	103.6	129.0	1115.8	2412.9	3401.6
72.5°	27.4	34.7	45.9	38.1	61.1	91.9	72.3	93.8	729.2	1883.6	2773.1
75°	25.9	31.8	33.7	30.8	45.5	60.1	54.7	63.0	434.5	1376.8	2104.0
77.5°	25.4	29.8	27.4	24.9	30.8	35.7	41.5	42.5	212.1	688.6	1102.6
80°	22.5	26.9	23.5	20.5	21.0	23.5	30.8	28.3	48.4	175.0	294.2
82.5°	17.6	21.0	19.5	17.1	17.1	17.1	20.5	19.1	15.6	78.7	132.9
85°	12.2	14.7	14.7	13.7	13.2	13.2	12.7	12.2	4.4	4.9	7.3
87.5°	8.3	10.3	10.8	10.3	8.8	7.8	6.8	5.9	2.0	0.0	1.0
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°	358°	360°
0°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1
2.5°	226.8	228.2	228.2	226.3	224.8	220.9	217.0	213.1	212.1	211.6
5°	226.8	232.6	235.6	235.1	231.7	225.3	217.0	208.2	205.8	204.8
7.5°	223.4	234.6	243.4	244.9	238.5	227.3	212.1	198.9	195.5	194.0
10°	231.2	253.2	270.8	273.2	265.9	243.9	219.4	197.0	191.6	188.2
12.5°	273.2	309.4	330.9	341.1	327.0	299.1	258.5	218.5	206.2	200.9
15°	358.2	409.6	450.6	450.6	437.4	388.1	336.7	271.7	255.1	240.5
17.5°	467.2	531.7	567.9	564.0	544.0	509.3	447.7	354.3	320.6	305.5
20°	591.4	630.0	638.3	635.9	627.1	607.0	564.5	464.3	418.9	395.4
22.5°	698.9	688.6	676.4	666.6	664.2	670.1	664.2	587.0	551.3	509.8
25°	771.7	713.6	676.9	659.3	667.6	701.3	738.0	709.2	680.8	637.8
27.5°	811.3	710.6	657.8	639.8	653.9	701.8	781.5	830.4	801.0	780.5
30°	832.8	708.2	645.6	628.0	649.5	709.7	811.8	943.8	944.7	912.0
32.5°	863.6	723.8	648.1	631.9	660.8	733.1	849.9	1059.1	1087.4	1069.9
35°	898.3	747.8	659.3	644.6	680.3	764.4	892.4	1175.4	1234.6	1228.7
37.5°	931.1	774.7	685.7	671.5	710.1	791.3	933.5	1289.8	1371.9	1392.4
40°	965.3	812.3	766.8	780.5	802.0	833.8	970.2	1389.0	1522.9	1553.7
42.5°	1045.9	942.8	1012.2	1038.1	1041.0	975.5	1050.3	1516.1	1671.5	1708.1
45°	1225.8	1174.9	1373.9	1410.5	1391.4	1193.0	1243.4	1699.4	1879.2	1897.8
47.5°	1453.0	1476.5	1868.9	1995.5	1881.2	1449.6	1477.5	2085.0	2259.4	2252.6
50°	1717.9	1828.9	2431.0	2729.6	2455.9	1782.9	1747.2	2559.0	2770.7	2749.7
52.5°	2031.2	2238.4	3106.4	3530.7	3271.6	2157.8	2143.1	3187.1	3316.1	3249.1
55°	2425.6	2633.8	3883.5	4476.4	4107.9	2615.3	2665.6	3915.3	3940.2	3727.6
57.5°	3014.1	3149.4	4799.4	5560.9	4980.8	3236.9	3602.0	4884.5	4586.3	4183.6
60°	4082.5	3812.7	5684.5	6670.3	5909.4	4111.3	4837.1	5458.7	4801.4	4246.2
62.5°	4454.4	4375.7	6238.8	7139.5	6534.0	4829.2	5158.2	5133.2	4522.8	4009.6
65°	3890.9	4235.4	6139.6	6891.7	6453.8	4711.0	4628.9	4774.0	4209.0	3650.4
67.5°	3594.2	3906.0	5763.7	6208.0	6009.6	4309.7	4125.9	4086.4	3533.6	3088.8
70°	3295.1	3604.0	5218.8	5274.0	5181.6	3655.8	3414.3	3149.0	2641.2	2254.6
72.5°	2935.4	3105.5	4462.7	4200.7	4096.1	2871.4	2820.5	2371.4	1979.9	1648.0
75°	2560.0	2510.7	3479.3	2883.1	2961.3	2234.0	2382.1	1741.4	1450.6	1186.2
77.5°	1862.1	1825.4	2330.3	1751.2	1939.3	1463.3	1314.7	695.0	661.8	570.8
80°	1039.1	1252.6	1258.5	981.4	1224.3	954.0	328.9	23.0	14.7	21.5
82.5°	482.9	538.6	682.3	455.0	698.4	472.6	67.9	0.0	0.0	0.0
85°	156.4	228.7	191.6	67.0	169.1	159.8	11.2	0.0	0.0	0.0
87.5°	9.3	19.1	4.9	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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