

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: P632435

Luminaire Tested: GWS-SA2C-760-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632435  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-760-U-SLR-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

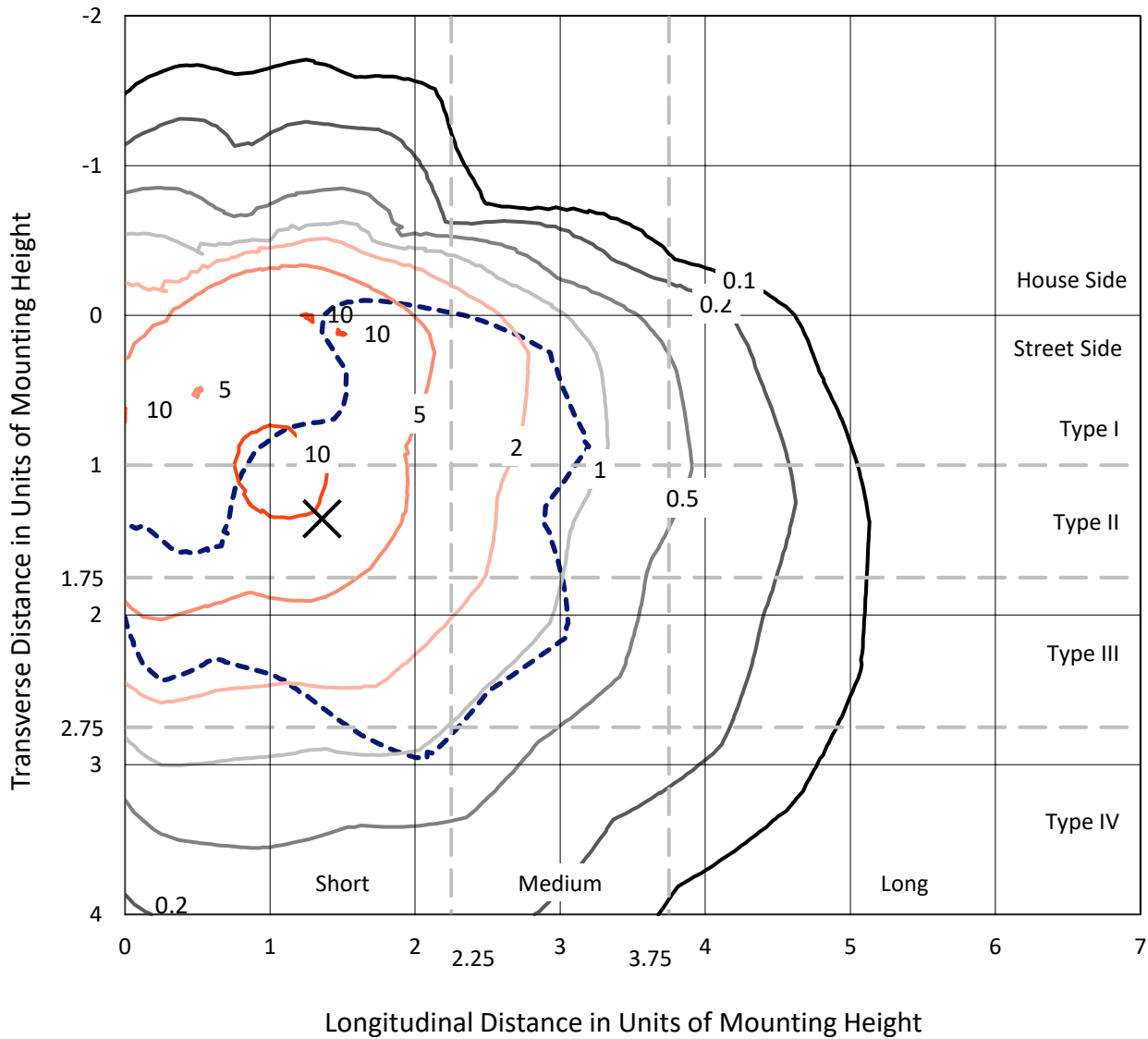
Lumens per Lamp: N/A  
Luminaire Lumens: 5794.9 lumens  
Efficiency: N/A  
Efficacy: 91.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

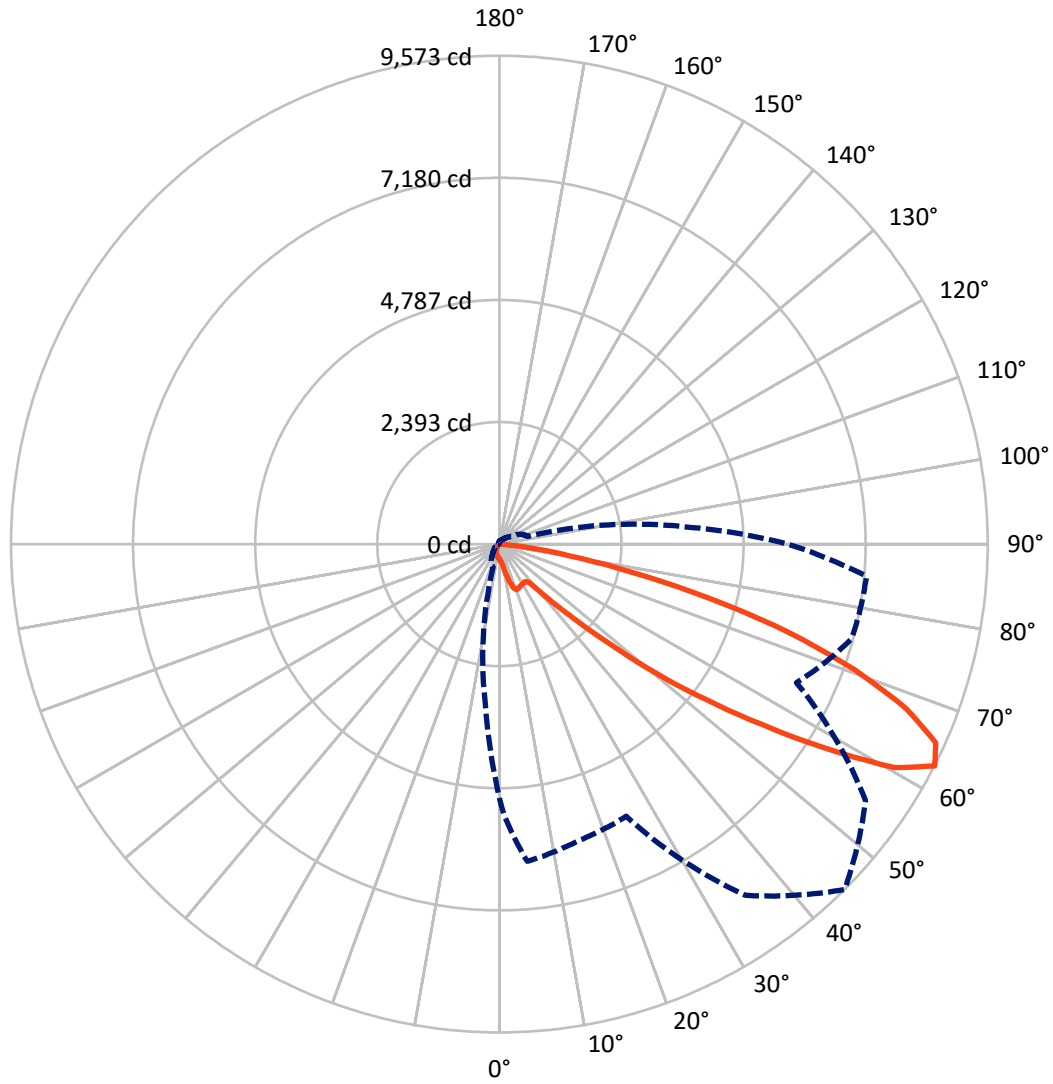
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	715.1	0.0	715.1
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	5079.8	0.0	5079.8
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	5794.9	0.0	5794.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.7	0.5
10°-20°	101.0	1.7
20°-30°	219.6	3.8
30°-40°	360.5	6.2
40°-50°	662.7	11.4
50°-60°	1423.1	24.6
60°-70°	1911.5	33.0
70°-80°	995.3	17.2
80°-90°	94.4	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°	5794.9	100.0
0°-180°	5794.9	100.0

**Coefficient of Utilization**



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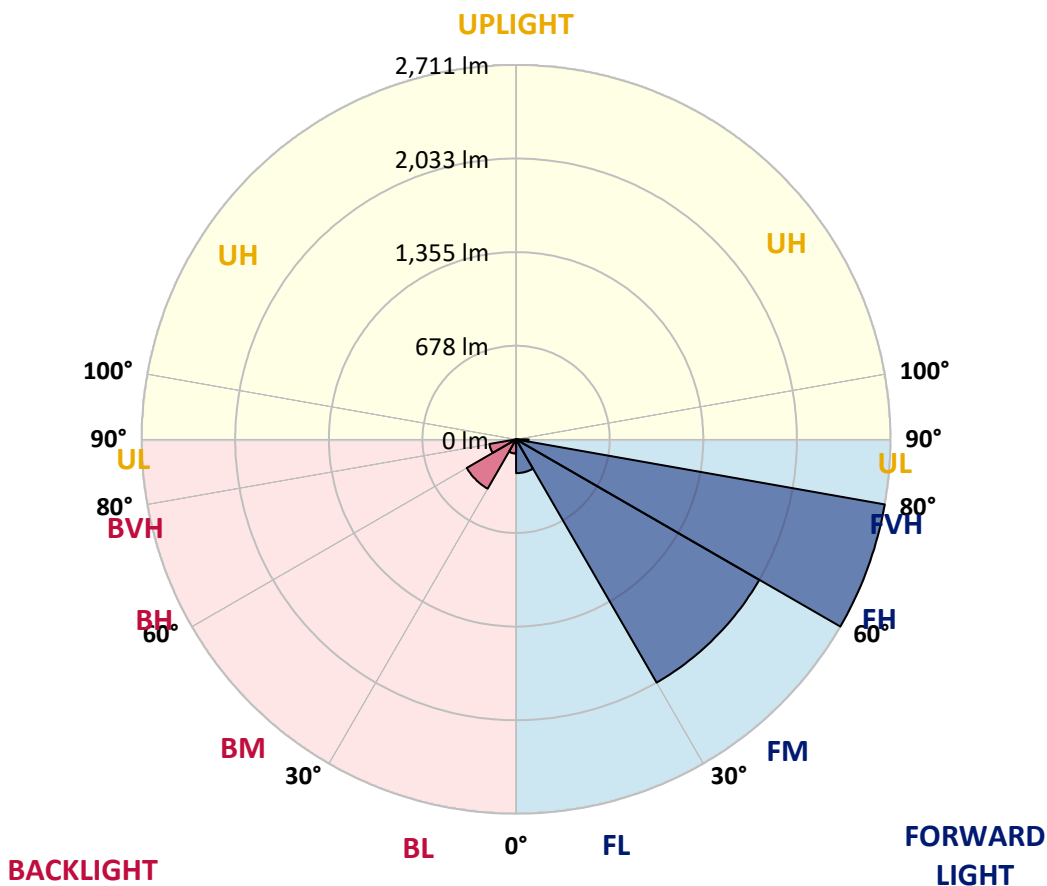
CATALOG NUMBER: GWS-SA2C-760-U-SLR-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.8	4.2			
FM (30°-60°)	2033.9	35.1			
FH (60°-80°)	2710.9	46.8			G2/5000
FVH (80°-90°)	90.2	1.6			G1/100
BL (0°-30°)	102.6	1.8	B0/110		
BM (30°-60°)	412.4	7.1	B1/1000		
BH (60°-80°)	195.9	3.4	B1/500		G1/500
BVH (80°-90°)	4.2	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	301.2	301.2	301.2	301.2	301.2	301.2	301.2	301.2	301.2	301.2	301.2
2.5°	307.2	308.6	309.9	314.6	317.9	320.6	321.3	319.3	314.6	309.9	303.2
5°	297.9	299.2	303.9	316.6	329.3	339.4	342.7	340.7	329.3	314.6	299.2
7.5°	297.2	299.9	311.3	338.0	365.5	386.2	391.6	386.9	365.5	336.0	304.6
10°	321.3	326.0	342.7	390.9	441.1	477.9	492.7	472.6	438.4	384.9	333.3
12.5°	384.2	392.2	424.4	494.7	572.3	621.2	641.3	616.5	562.9	485.3	403.6
15°	483.3	495.3	543.5	648.6	740.3	783.8	790.5	776.5	714.2	628.5	518.8
17.5°	623.2	640.6	715.5	822.6	888.9	904.3	902.3	887.6	842.1	783.2	679.4
20°	790.5	811.3	884.9	973.3	979.9	961.9	951.8	943.1	927.7	917.7	836.7
22.5°	959.2	984.6	1061.6	1083.7	1023.5	971.2	946.5	953.2	975.9	1025.5	992.7
25°	1127.2	1151.3	1223.6	1164.0	1043.5	956.5	925.1	941.1	995.3	1102.4	1144.6
27.5°	1323.3	1341.4	1384.2	1218.9	1046.9	944.5	913.7	938.4	1004.7	1150.6	1311.3
30°	1527.5	1538.2	1517.4	1233.6	1035.5	926.4	902.3	938.4	1020.8	1182.8	1436.5
32.5°	1677.4	1679.4	1611.8	1235.0	1029.5	911.7	891.6	934.4	1036.2	1209.5	1557.6
35°	1832.0	1822.0	1702.2	1255.1	1045.5	917.0	899.6	945.8	1060.3	1241.0	1664.0
37.5°	1988.7	1970.6	1803.3	1287.9	1087.0	975.3	964.6	1004.0	1099.1	1284.5	1781.2
40°	2149.3	2124.6	1908.4	1337.4	1179.4	1173.4	1210.2	1205.5	1205.5	1340.1	1901.7
42.5°	2345.4	2316.7	2063.6	1477.3	1395.0	1529.5	1629.9	1567.6	1452.5	1467.9	2058.3
45°	2604.5	2579.7	2332.7	1745.0	1733.0	2042.2	2177.4	2054.3	1767.8	1763.1	2320.0
47.5°	3018.8	3014.1	2761.8	2055.6	2146.6	2694.9	2955.9	2719.0	2127.2	2075.7	2815.3
50°	3601.2	3587.1	3296.6	2419.7	2638.6	3503.4	3969.3	3574.4	2561.7	2440.5	3478.7
52.5°	4257.2	4271.9	4045.6	2817.4	3161.4	4403.1	5051.7	4554.3	3033.6	2904.4	4313.4
55°	4875.0	4959.3	4899.7	3282.6	3672.1	5396.4	6240.5	5629.3	3617.9	3511.5	5249.1
57.5°	5358.3	5595.9	6013.6	3958.6	4272.5	6558.4	7567.8	6794.7	4300.0	4497.5	6522.9
60°	5385.0	5699.6	6669.5	5373.0	5045.0	7555.1	8893.2	7933.3	5372.3	6171.5	7521.0
62.5°	4981.4	5318.8	6242.5	6015.6	5886.4	8403.2	9573.2	8763.3	6427.2	7152.1	7225.1
65°	4519.5	4860.2	5765.9	5286.6	5788.7	8367.0	9400.5	8782.7	6522.9	6485.5	6695.6
67.5°	3821.4	4127.3	4947.3	4679.5	5335.5	7963.4	8602.7	8229.2	6009.5	6065.8	6159.5
70°	2789.2	3083.8	3844.8	3858.2	4659.4	7235.8	7391.8	7340.2	5534.3	5593.9	5326.1
72.5°	2014.8	2263.1	2919.8	3164.1	3719.7	6067.8	5960.0	6158.8	4748.5	4982.1	4277.9
75°	1448.5	1634.6	2142.0	2752.4	2948.5	4506.2	4266.5	4769.9	3810.0	4289.9	3216.3
77.5°	587.7	653.3	842.7	1854.1	1937.8	3031.5	2611.9	3464.6	2716.3	2818.7	1558.9
80°	24.1	26.8	34.8	957.2	1328.7	1705.5	1397.6	1852.1	1793.9	1135.2	368.1
82.5°	2.7	2.7	6.0	275.8	581.7	941.1	658.7	1067.0	908.3	481.3	167.3
85°	0.7	0.7	1.3	31.5	136.6	150.6	89.0	327.3	422.4	196.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.0	6.7	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°	301.2	301.2	301.2	301.2	301.2	301.2	301.2	301.2	301.2	301.2	301.2
2.5°	303.2	299.9	295.9	291.8	289.8	284.5	282.5	281.1	279.8	280.5	280.5
5°	293.2	285.8	277.1	268.4	263.7	258.4	255.7	254.4	255.0	257.7	257.7
7.5°	291.8	277.8	259.0	247.7	242.3	238.3	235.6	234.3	234.9	238.3	239.6
10°	313.9	289.2	255.7	236.3	230.3	226.2	223.6	221.6	220.2	222.9	223.6
12.5°	361.5	327.3	271.8	234.9	224.2	218.9	216.9	212.9	210.8	212.2	212.9
15°	459.9	400.9	303.9	240.3	218.9	212.9	209.5	206.2	202.8	202.1	202.8
17.5°	588.4	504.0	352.8	253.0	214.9	207.5	202.8	198.1	193.4	192.8	192.1
20°	747.7	630.5	421.0	273.1	211.5	202.8	196.1	189.4	183.4	181.4	181.4
22.5°	892.9	783.2	508.7	297.9	206.8	196.1	188.1	180.1	173.4	170.0	169.3
25°	1070.3	945.1	613.8	326.6	200.1	187.4	178.7	170.7	164.0	160.0	158.6
27.5°	1249.0	1115.8	733.0	364.1	192.1	178.7	170.7	163.3	156.0	151.3	149.9
30°	1422.4	1299.9	866.8	411.0	186.1	170.0	163.3	156.0	149.3	141.9	139.9
32.5°	1608.5	1488.0	1016.8	463.2	181.4	164.0	156.6	149.9	141.2	134.5	131.2
35°	1787.9	1682.1	1182.1	514.1	176.7	158.6	150.6	143.9	134.5	127.2	122.5
37.5°	1968.6	1879.6	1354.8	544.9	170.0	151.3	143.9	138.6	127.8	119.1	113.8
40°	2160.0	2083.7	1541.5	532.1	164.0	143.2	139.2	133.2	121.2	111.1	104.4
42.5°	2370.2	2278.5	1731.6	483.3	158.6	136.6	132.5	126.5	115.1	103.1	94.4
45°	2634.6	2492.0	1887.6	409.7	161.3	129.9	121.8	120.5	109.8	94.4	83.7
47.5°	3089.1	2820.0	2008.8	362.1	179.4	122.5	113.1	116.5	105.1	85.7	73.6
50°	3784.6	3363.6	2121.9	358.8	206.8	119.1	105.1	113.8	100.4	77.0	64.9
52.5°	4447.3	3915.8	2194.2	388.2	230.9	127.8	97.1	110.4	97.1	71.0	58.9
55°	5081.1	4234.4	2065.0	409.7	253.7	154.0	91.0	105.1	93.0	67.6	56.9
57.5°	5764.6	4376.3	1625.9	453.2	269.8	176.0	92.4	97.1	87.7	65.6	56.2
60°	5968.7	4194.9	981.3	510.1	261.1	182.7	102.4	86.3	80.3	61.6	54.2
62.5°	5651.4	3764.5	579.0	464.5	253.7	172.7	117.1	79.7	73.0	56.2	50.2
65°	5176.9	3180.1	377.5	392.2	269.1	154.0	124.5	76.3	66.3	50.9	44.2
67.5°	4634.7	2561.7	264.4	231.6	248.3	138.6	105.1	75.6	59.6	42.8	36.1
70°	3903.7	1918.4	186.1	153.3	206.8	123.2	81.7	73.6	52.2	34.8	28.1
72.5°	3016.2	1200.8	138.6	99.1	147.3	100.4	64.9	62.3	42.2	28.8	21.4
75°	2224.3	684.8	97.7	71.6	97.1	76.3	48.2	44.2	36.1	27.4	19.4
77.5°	1161.3	342.7	60.9	54.9	55.6	47.5	34.8	32.1	33.5	27.4	18.1
80°	222.9	68.3	36.8	40.2	30.1	30.1	25.4	26.8	29.5	22.1	15.4
82.5°	93.0	14.7	20.1	22.8	18.7	20.8	20.8	21.4	20.8	16.1	11.4
85°	0.0	0.0	8.7	9.4	12.7	12.7	10.7	10.7	10.7	9.4	6.7
87.5°	0.0	0.0	0.0	0.0	0.7	2.0	4.0	4.7	5.4	4.0	2.7
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°	301.2	301.2	301.2	301.2	301.2	301.2	301.2	301.2	301.2	301.2	301.2
2.5°	279.8	278.5	280.5	281.8	283.1	283.1	281.8	280.5	278.5	280.5	278.5
5°	258.4	260.4	263.7	265.1	266.4	263.7	262.4	258.4	255.0	255.7	254.4
7.5°	241.6	243.6	247.7	250.3	250.3	249.0	245.0	241.0	235.6	235.6	234.9
10°	226.2	228.9	233.6	237.0	238.3	237.0	232.9	227.6	222.9	222.9	220.9
12.5°	213.5	216.9	222.2	226.9	228.3	226.9	222.9	217.5	212.2	212.2	210.8
15°	202.8	206.8	212.9	218.2	220.2	218.2	213.5	206.8	201.5	202.1	200.1
17.5°	192.8	196.1	204.2	210.2	212.2	210.2	204.2	195.5	190.1	191.4	190.1
20°	181.4	185.4	193.4	200.1	202.1	200.1	193.4	184.1	178.7	178.7	179.4
22.5°	169.3	173.4	181.4	186.1	188.8	186.8	180.1	171.4	166.0	166.0	166.7
25°	158.6	160.6	166.7	171.4	172.0	170.0	164.7	158.0	154.0	156.0	156.6
27.5°	148.6	148.6	151.3	154.0	153.3	151.3	149.3	143.9	143.2	145.3	147.3
30°	137.9	134.5	133.2	131.2	130.5	129.9	131.9	131.9	133.2	135.9	137.9
32.5°	128.5	121.8	115.8	109.8	106.4	109.1	114.5	119.1	123.8	127.8	129.9
35°	117.8	107.1	97.1	89.0	83.7	87.7	96.4	105.1	113.1	118.5	121.8
37.5°	107.1	91.7	79.7	69.6	65.6	68.9	78.3	90.4	102.4	109.1	113.8
40°	95.7	76.3	62.3	54.2	50.2	53.5	62.9	75.0	91.0	99.7	105.8
42.5°	84.3	62.9	50.2	42.2	40.2	42.2	49.5	61.6	79.0	89.7	97.7
45°	73.0	52.2	40.2	34.1	32.1	34.1	40.2	50.2	67.6	79.7	89.0
47.5°	62.9	44.2	33.5	28.1	26.8	28.8	33.5	42.2	56.9	68.9	79.7
50°	54.9	38.8	28.8	24.1	22.8	24.8	28.8	35.5	48.2	58.9	70.3
52.5°	49.5	36.1	25.4	20.8	20.1	21.4	24.8	30.1	40.8	50.2	60.9
55°	48.2	36.1	23.4	18.7	18.1	19.4	22.1	26.1	35.5	43.5	52.9
57.5°	49.5	38.8	22.1	16.1	15.4	16.7	19.4	22.8	30.8	37.5	46.2
60°	49.5	39.5	19.4	12.7	12.0	13.4	16.1	20.1	27.4	32.8	40.2
62.5°	44.8	36.1	16.1	10.0	8.7	10.0	13.4	16.7	24.1	29.5	35.5
65°	38.8	30.8	13.4	7.4	6.0	7.4	10.7	14.1	20.8	25.4	32.1
67.5°	31.5	23.4	10.0	5.4	4.0	5.4	8.0	11.4	17.4	22.1	28.8
70°	23.4	16.7	8.0	4.7	4.0	4.7	7.4	10.7	15.4	20.1	26.8
72.5°	17.4	11.4	6.7	4.7	3.3	4.7	6.7	10.0	14.7	19.4	25.4
75°	14.7	9.4	6.0	4.0	3.3	4.0	6.0	9.4	13.4	18.1	24.1
77.5°	14.1	8.7	5.4	3.3	2.7	3.3	5.4	8.0	12.0	16.7	23.4
80°	12.0	7.4	4.7	2.7	2.0	2.7	4.7	6.7	9.4	12.7	18.1
82.5°	9.4	6.0	3.3	1.3	0.7	1.3	3.3	4.0	6.0	7.4	10.7
85°	6.0	3.3	1.3	0.0	0.0	0.0	1.3	2.7	2.7	3.3	5.4
87.5°	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0
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°	301.2	301.2	301.2	301.2	301.2	301.2	301.2	301.2	301.2	301.2
2.5°	282.5	283.1	284.5	286.5	291.2	295.2	299.2	304.6	307.2	307.2
5°	255.7	256.4	257.0	259.7	266.4	271.8	280.5	291.2	296.5	297.9
7.5°	234.9	236.3	237.6	239.6	246.3	253.7	265.1	285.1	295.2	297.2
10°	222.9	224.9	227.6	231.6	237.6	245.7	265.1	301.2	317.9	321.3
12.5°	213.5	216.9	219.6	224.2	231.6	244.3	283.1	346.7	376.2	384.2
15°	204.2	208.2	212.2	216.9	224.9	249.0	317.9	428.4	477.3	483.3
17.5°	194.8	199.5	204.8	210.2	220.2	260.4	372.8	541.5	609.8	623.2
20°	184.1	190.1	197.5	204.2	215.5	278.5	449.1	676.1	761.7	790.5
22.5°	172.7	180.1	188.8	197.5	210.2	300.5	541.5	820.6	940.5	959.2
25°	163.3	170.7	178.7	187.4	201.5	327.3	653.3	1000.0	1109.1	1127.2
27.5°	154.6	162.0	169.3	177.4	192.8	362.1	787.8	1190.8	1304.6	1323.3
30°	145.3	154.0	161.3	169.3	184.7	405.0	943.1	1402.3	1510.1	1527.5
32.5°	137.2	145.9	153.3	161.3	178.7	451.8	1106.5	1589.7	1677.4	1677.4
35°	130.5	139.9	145.3	156.0	174.0	481.9	1261.1	1768.5	1834.7	1832.0
37.5°	123.2	134.5	138.6	145.9	168.0	485.3	1406.3	1957.2	2006.1	1988.7
40°	115.8	127.8	133.9	137.9	161.3	457.8	1565.6	2130.6	2172.1	2149.3
42.5°	109.1	118.5	127.2	131.9	157.3	409.7	1693.5	2316.0	2365.5	2345.4
45°	102.4	110.4	115.8	124.5	160.0	376.2	1803.3	2532.2	2619.2	2604.5
47.5°	95.7	102.4	105.8	119.1	178.1	360.8	1870.2	2866.9	3030.9	3018.8
50°	88.4	96.4	96.4	117.8	204.8	366.1	1928.4	3351.5	3605.2	3601.2
52.5°	81.0	89.7	88.4	127.8	225.6	390.9	1994.7	3779.2	4220.3	4257.2
55°	73.6	81.7	83.0	147.9	237.6	412.3	1738.3	3959.3	4745.8	4875.0
57.5°	65.6	70.3	86.3	163.3	233.6	474.6	1190.8	3992.1	5081.1	5358.3
60°	56.9	60.9	97.7	160.0	220.9	438.4	749.7	3697.6	5033.6	5385.0
62.5°	49.5	56.2	103.1	141.2	224.9	380.2	477.9	3151.4	4580.5	4981.4
65°	43.5	54.2	93.7	127.8	227.6	257.7	322.6	2563.7	4138.0	4519.5
67.5°	38.8	60.2	77.0	113.8	195.5	181.4	221.6	1992.0	3479.4	3821.4
70°	35.5	61.6	62.9	97.7	151.3	116.5	145.9	1340.7	2398.3	2789.2
72.5°	32.1	45.5	47.5	78.3	97.7	71.0	94.4	767.1	1748.4	2014.8
75°	30.8	30.8	32.8	50.9	54.2	51.5	60.9	457.8	1253.7	1448.5
77.5°	28.8	23.4	20.8	32.8	29.5	36.8	36.1	203.5	543.5	587.7
80°	22.8	16.7	14.1	20.8	20.1	24.8	21.4	16.7	24.8	24.1
82.5°	14.1	10.7	10.0	12.7	11.4	12.7	10.0	2.7	2.7	2.7
85°	6.7	6.0	5.4	5.4	6.0	5.4	4.0	1.3	0.7	0.7
87.5°	3.3	3.3	2.7	2.0	2.7	2.7	2.0	0.7	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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