

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: P629850

Luminaire Tested: GWS-SA1C-740-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629850  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-740-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

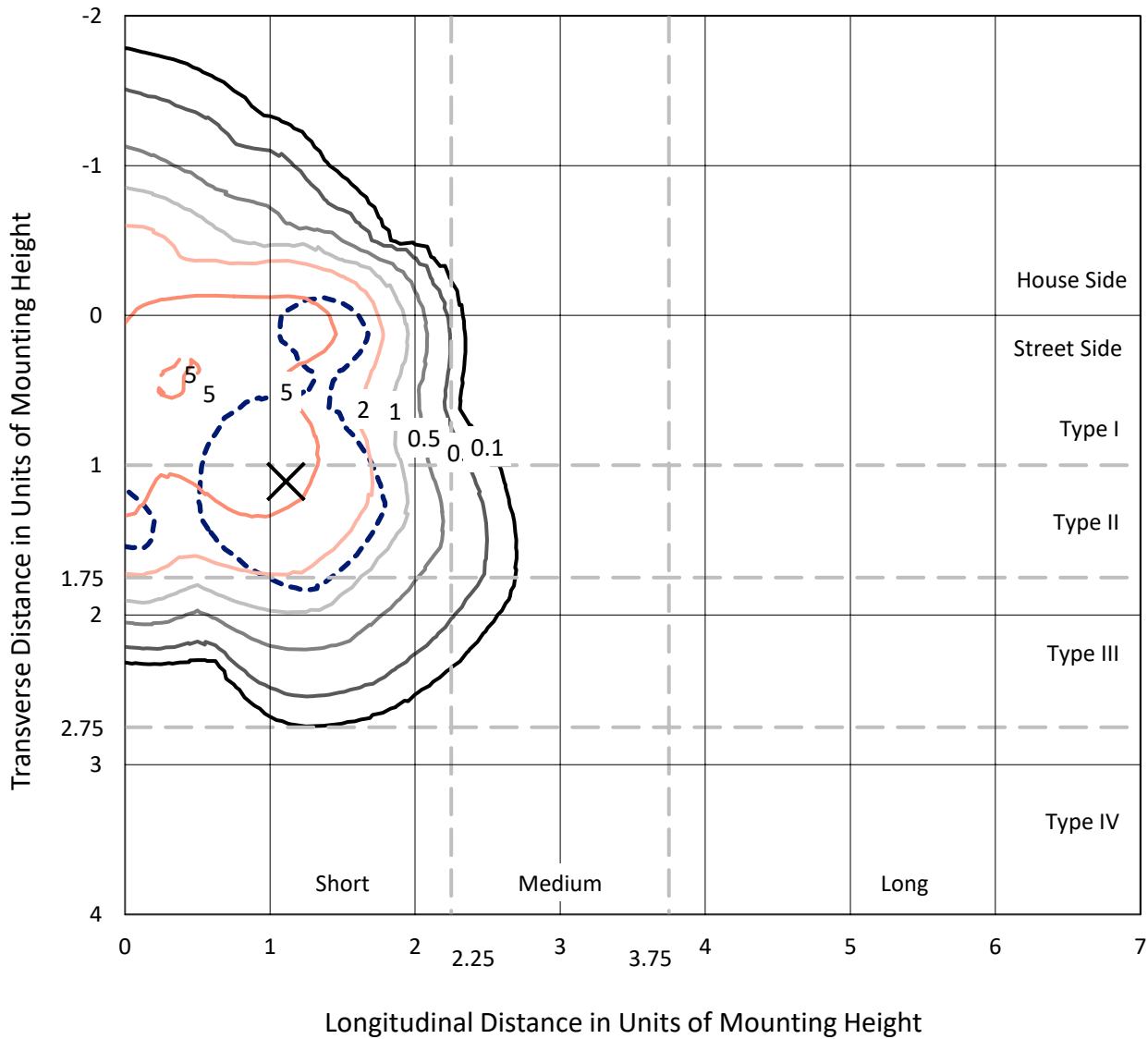
Lumens per Lamp: N/A  
Luminaire Lumens: 2564.3 lumens  
Efficiency: N/A  
Efficacy: 75.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

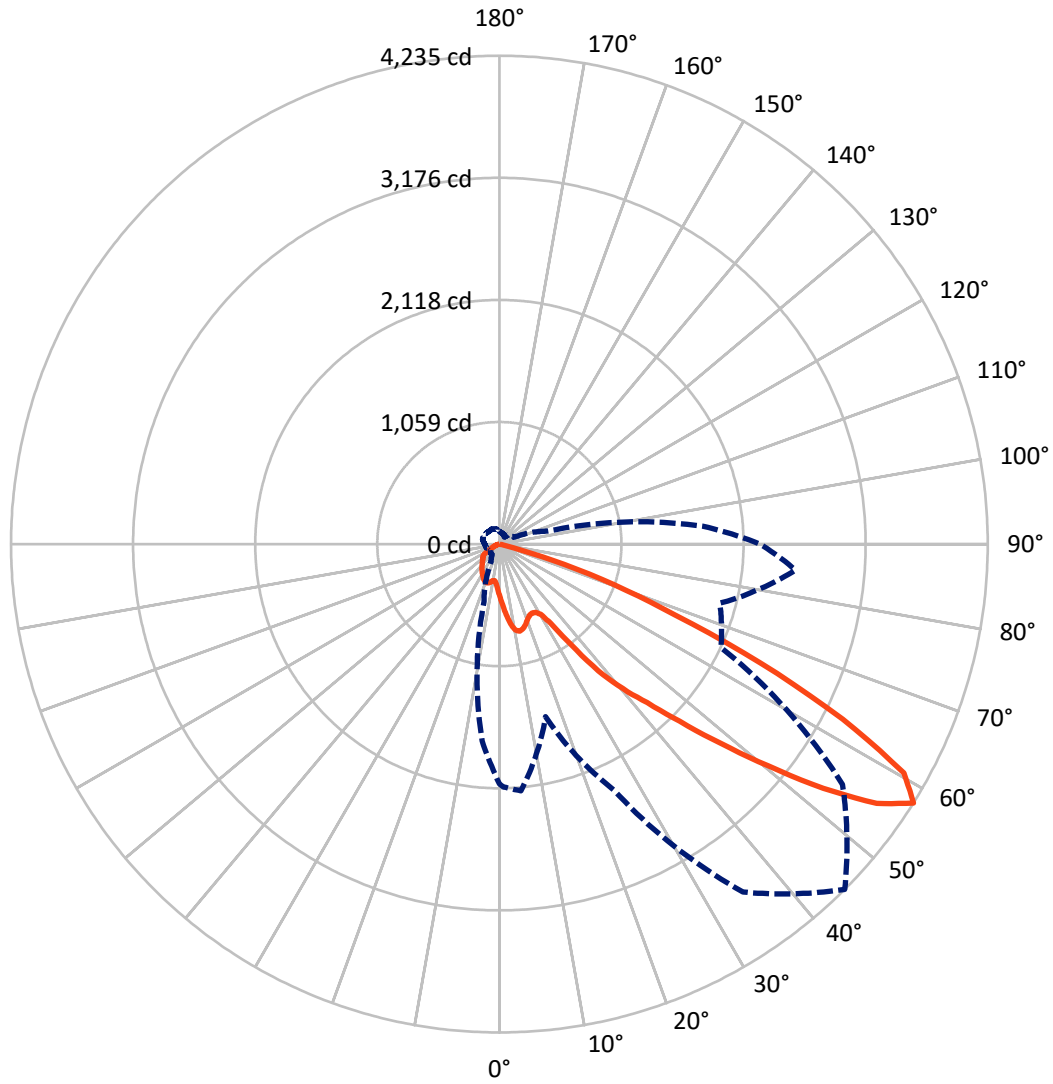
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	574.2	0.0	574.2
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	1990.1	0.0	1990.1
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	2564.3	0.0	2564.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.3	1.7
10°-20°	143.4	5.6
20°-30°	233.0	9.1
30°-40°	360.0	14.0
40°-50°	577.3	22.5
50°-60°	789.0	30.8
60°-70°	382.1	14.9
70°-80°	35.0	1.4
80°-90°	0.1	0.0
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°	2564.3	100.0
0°-180°	2564.3	100.0

**Coefficient of Utilization**



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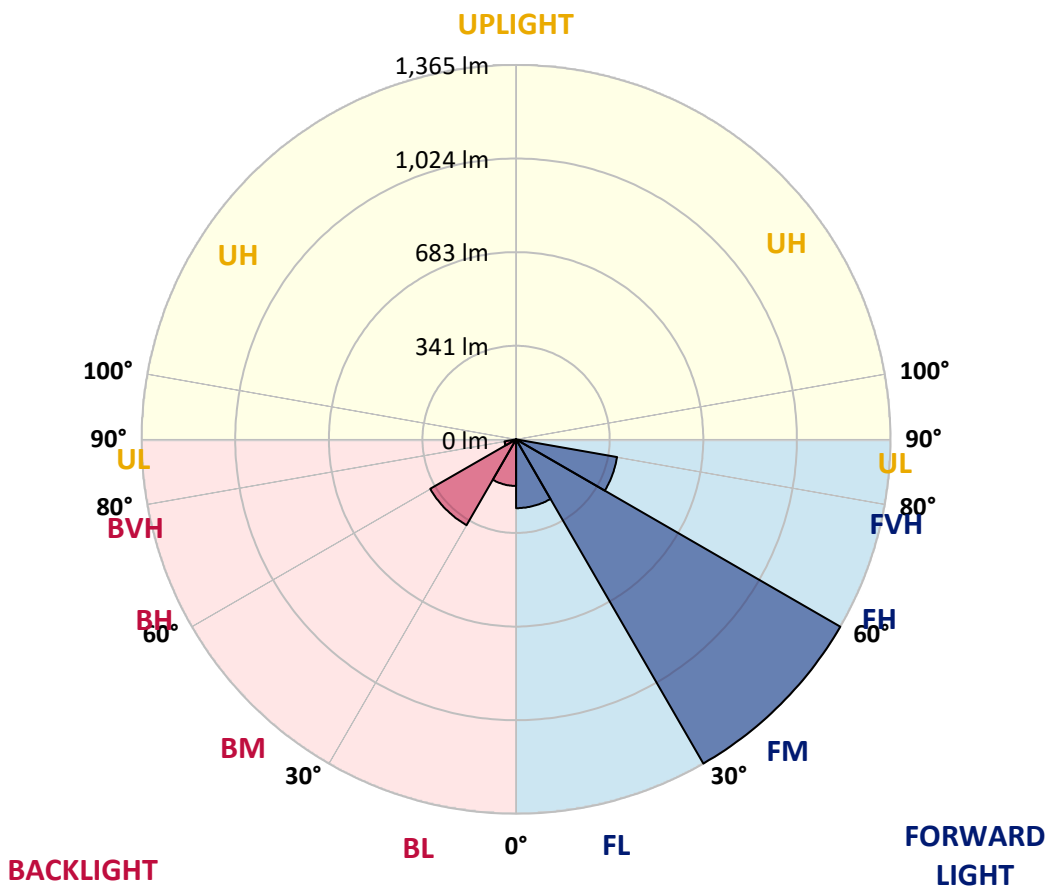
CATALOG NUMBER: GWS-SA1C-740-U-SLR-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	250.9	9.8			
FM (30°-60°)	1365.0	53.2			
FH (60°-80°)	374.1	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	169.9	6.6	B1/500		
BM (30°-60°)	361.3	14.1	B1/1000		
BH (60°-80°)	43.0	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7
2.5°	488.3	491.4	496.5	507.6	516.9	523.1	525.8	525.1	521.3	518.6	513.1
5°	540.6	540.6	550.6	575.8	595.1	607.1	613.3	609.6	602.0	589.9	571.3
7.5°	586.5	588.2	605.1	640.9	670.2	687.4	697.4	695.4	681.9	658.8	621.6
10°	622.3	624.4	646.8	690.5	725.0	742.6	757.4	758.8	743.9	713.3	670.5
12.5°	657.1	659.2	682.6	724.6	755.0	762.2	775.3	780.5	776.7	755.0	710.5
15°	694.7	699.5	719.5	750.8	763.6	755.0	763.6	772.9	785.6	783.6	743.6
17.5°	731.5	735.0	755.3	766.3	752.2	729.8	733.9	745.0	773.9	802.2	776.3
20°	765.6	770.5	787.4	772.9	730.2	695.4	695.7	710.2	754.3	813.5	809.7
22.5°	801.5	808.7	820.8	780.1	709.8	668.1	669.9	682.9	738.8	824.2	847.7
25°	848.3	855.2	863.2	798.0	703.3	654.7	661.2	673.3	738.8	842.5	894.5
27.5°	911.7	916.6	916.9	831.5	714.6	656.8	670.5	684.3	760.8	879.0	957.2
30°	991.3	998.9	988.9	883.5	750.1	684.3	704.7	721.9	808.4	940.7	1049.6
32.5°	1088.2	1098.8	1085.4	960.7	824.2	779.4	816.3	826.3	884.2	1029.9	1154.3
35°	1201.9	1210.8	1196.4	1067.5	997.2	1005.5	1072.3	1059.6	1036.5	1139.9	1276.6
37.5°	1326.6	1334.9	1307.0	1229.4	1252.9	1288.7	1395.5	1351.8	1277.3	1281.5	1409.3
40°	1441.0	1450.0	1406.2	1405.5	1453.8	1519.2	1648.1	1587.8	1486.5	1466.9	1533.7
42.5°	1559.5	1565.7	1526.1	1499.2	1608.8	1743.5	1880.0	1798.7	1625.0	1603.6	1689.4
45°	1728.7	1741.8	1671.2	1545.4	1748.4	2001.6	2191.8	2033.0	1719.4	1702.2	1927.9
47.5°	1977.5	1987.2	1843.1	1574.4	1878.3	2323.1	2581.6	2336.9	1802.5	1763.2	2253.9
50°	2183.2	2189.8	2001.3	1606.1	2016.4	2669.8	3025.7	2697.3	1895.8	1864.1	2558.1
52.5°	2334.8	2359.6	2209.1	1671.2	2198.0	3077.4	3517.4	3124.3	2041.6	2059.2	2810.3
55°	2366.2	2400.0	2351.0	1711.2	2357.9	3492.6	3971.6	3506.4	2187.0	2207.0	2895.1
57.5°	2079.5	2106.4	2147.0	1549.9	2354.1	3682.8	4235.2	3633.2	2120.9	1979.2	2577.8
60°	1557.8	1576.4	1650.2	1184.6	2165.0	3514.7	4029.8	3417.5	1854.5	1510.3	1964.1
62.5°	923.8	932.1	1025.5	767.4	1797.0	3026.7	3342.0	2948.9	1465.5	1015.8	1202.9
65°	354.6	351.1	422.4	378.7	1321.4	2411.0	2485.8	2248.0	1005.5	465.5	458.6
67.5°	54.8	52.4	70.6	112.0	953.1	1670.8	1640.2	1620.2	629.9	108.5	94.8
70°	12.4	12.4	15.2	33.1	582.3	981.7	1050.6	1001.7	403.2	23.1	12.4
72.5°	5.9	5.9	7.2	14.1	210.9	404.5	471.4	464.1	130.9	7.6	4.5
75°	2.1	2.4	2.4	3.1	12.7	21.0	48.2	34.5	8.3	0.0	0.0
77.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7
2.5°	501.0	498.6	489.6	477.6	465.9	455.5	444.8	432.1	422.8	412.1	408.7
5°	556.8	541.7	517.2	491.7	468.3	448.3	429.0	408.3	393.2	378.0	372.8
7.5°	604.0	581.6	542.0	503.8	471.7	443.5	415.6	387.3	365.2	347.3	341.8
10°	646.4	620.6	567.5	520.3	480.0	447.3	413.5	378.0	349.4	328.0	322.9
12.5°	682.9	653.0	589.2	532.7	483.4	445.9	413.1	384.9	359.0	334.6	328.0
15°	713.6	680.5	607.5	541.0	478.3	428.7	400.1	395.6	393.5	366.6	353.9
17.5°	743.6	706.4	622.3	544.8	463.8	398.3	377.7	398.0	419.7	402.1	385.9
20°	774.9	732.6	637.5	545.5	439.7	364.2	360.8	392.8	420.4	414.9	399.7
22.5°	811.8	765.3	656.4	545.1	409.4	335.3	348.4	382.8	405.2	404.9	392.8
25°	865.2	806.6	681.9	547.2	376.3	312.9	334.6	365.9	384.2	383.5	373.5
27.5°	922.4	855.9	715.0	552.4	348.0	299.8	318.4	342.9	358.7	358.0	349.4
30°	1002.7	912.8	746.7	552.7	327.7	292.9	300.5	317.4	332.5	330.8	324.2
32.5°	1100.2	976.9	773.2	533.1	314.9	286.3	281.9	290.5	302.2	299.8	298.1
35°	1218.1	1053.0	796.0	490.0	295.3	273.2	261.2	262.9	271.2	272.6	271.9
37.5°	1352.5	1143.6	824.2	433.1	268.8	254.3	238.1	236.7	241.5	246.0	249.5
40°	1485.1	1245.6	862.5	375.6	244.6	230.2	214.7	211.2	213.3	221.2	228.5
42.5°	1634.3	1363.8	903.8	326.3	228.1	203.6	188.8	182.3	188.1	200.9	209.5
45°	1849.3	1529.6	944.1	287.0	221.2	180.2	160.2	159.5	166.1	182.6	192.3
47.5°	2151.2	1743.9	970.7	256.4	220.9	161.9	138.2	142.3	149.9	166.1	177.1
50°	2445.4	2012.3	941.4	232.9	213.6	149.9	121.6	129.9	137.5	151.6	163.0
52.5°	2622.9	2156.7	827.3	210.9	191.2	144.4	105.4	119.9	121.3	134.0	146.1
55°	2604.3	2063.3	633.7	176.8	158.2	136.5	88.6	108.2	108.9	118.5	128.9
57.5°	2260.4	1771.5	435.2	143.3	118.9	112.7	73.0	91.3	97.9	103.7	111.3
60°	1684.6	1292.5	194.0	116.5	75.5	76.2	62.4	68.9	78.9	85.8	92.3
62.5°	992.7	743.6	78.9	69.9	41.7	47.9	50.3	50.3	56.5	61.7	65.8
65°	375.2	260.2	32.0	35.1	21.7	22.4	29.6	36.5	41.3	45.8	51.3
67.5°	65.8	45.5	16.5	13.1	12.7	11.4	15.2	23.8	26.5	30.0	32.4
70°	11.0	9.3	6.9	6.5	5.9	6.2	10.0	16.9	18.6	19.6	20.7
72.5°	3.1	2.8	2.1	1.7	1.4	1.7	6.2	13.1	13.8	14.5	15.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	9.3	10.0	10.3	11.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.8	3.4	2.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7
2.5°	406.6	399.7	395.9	393.8	393.8	391.1	388.0	387.0	391.4	391.4	399.0
5°	366.3	360.8	354.6	350.8	344.9	346.0	342.5	342.2	346.6	348.7	356.6
7.5°	338.4	331.5	327.7	325.3	322.2	320.8	317.7	316.7	319.1	322.5	330.1
10°	319.8	318.7	318.4	320.1	320.1	318.4	315.6	313.9	314.6	321.1	329.8
12.5°	324.6	326.7	327.3	330.1	331.5	330.1	328.0	328.7	333.2	345.3	358.0
15°	345.6	343.9	343.2	344.6	345.6	344.2	343.5	348.7	364.2	381.4	395.9
17.5°	368.0	357.0	352.2	352.2	352.8	352.2	352.8	362.8	388.0	405.2	415.9
20°	379.4	359.0	351.5	349.7	351.1	351.5	353.9	365.2	392.8	404.9	407.3
22.5°	375.9	350.4	341.8	340.4	341.8	343.2	345.6	355.3	381.1	387.3	386.3
25°	358.7	333.5	326.7	326.7	329.8	329.4	330.4	337.3	358.7	362.5	360.8
27.5°	337.0	313.2	307.4	310.8	313.6	312.9	313.2	319.1	334.9	336.0	334.2
30°	314.9	294.3	288.8	292.9	296.7	296.0	296.3	302.2	312.2	311.2	308.7
32.5°	292.5	277.4	273.2	275.7	281.5	280.8	282.2	288.4	292.2	287.7	285.0
35°	271.9	263.9	260.8	262.2	266.7	267.7	270.1	274.3	274.3	268.8	263.9
37.5°	252.6	251.5	249.5	247.7	251.9	255.0	258.4	263.3	256.4	248.4	244.0
40°	234.7	239.1	236.4	231.9	234.3	238.8	245.7	249.5	241.2	233.3	225.7
42.5°	218.1	225.7	224.7	219.1	221.2	225.4	233.3	236.4	226.7	217.8	210.5
45°	202.3	212.9	213.6	206.7	208.8	212.9	222.3	223.3	210.9	201.2	196.1
47.5°	188.5	200.2	200.5	195.4	196.1	201.9	210.5	210.9	196.8	187.8	181.2
50°	175.4	188.8	189.9	185.4	186.1	193.0	200.2	198.8	183.7	174.4	168.5
52.5°	159.5	177.8	180.2	178.1	180.9	186.4	190.9	186.1	168.5	159.2	154.0
55°	142.3	166.1	171.3	169.9	173.0	177.5	178.5	175.4	153.3	144.0	139.2
57.5°	122.3	136.8	145.8	143.0	145.4	149.9	153.0	150.6	134.0	126.8	122.7
60°	101.3	111.0	113.0	108.5	106.5	114.4	121.6	118.5	104.4	99.9	95.1
62.5°	74.1	85.1	86.5	80.6	78.2	86.8	93.0	89.9	74.4	69.6	65.8
65°	59.3	69.6	72.4	66.8	65.5	72.0	75.8	68.2	57.2	52.0	47.9
67.5°	38.9	47.2	54.4	54.1	51.3	53.4	50.7	44.5	36.5	33.8	31.0
70°	24.1	28.9	33.4	35.1	34.8	34.1	30.3	25.8	23.4	22.4	21.0
72.5°	18.6	23.4	26.9	27.9	28.3	27.2	24.1	20.0	17.6	16.2	15.2
75°	13.8	17.6	20.3	21.7	22.4	21.7	18.6	15.9	13.4	12.4	11.4
77.5°	4.8	5.9	7.2	7.9	7.6	7.2	6.5	6.5	5.2	4.8	4.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7
2.5°	407.6	413.8	425.2	435.5	446.6	457.9	470.3	483.1	489.0	488.3
5°	368.7	382.1	400.7	421.1	443.8	468.3	495.5	523.4	535.5	540.6
7.5°	344.2	363.2	387.6	413.5	443.5	478.3	519.3	563.0	580.6	586.5
10°	347.3	369.4	389.7	414.9	446.9	492.1	543.0	595.1	615.8	622.3
12.5°	372.5	377.3	382.8	403.5	443.8	502.4	564.8	626.8	650.6	657.1
15°	395.2	372.8	362.5	381.4	432.8	509.6	586.8	660.9	687.1	694.7
17.5°	396.3	362.5	339.4	354.2	414.9	512.7	608.5	695.7	724.3	731.5
20°	383.5	351.1	321.5	321.8	390.4	512.0	626.4	727.1	759.1	765.6
22.5°	364.9	337.7	307.0	296.3	364.2	510.7	646.1	760.5	795.3	801.5
25°	344.2	320.5	293.2	277.0	338.0	512.0	673.6	804.2	842.5	848.3
27.5°	321.8	301.5	282.6	269.5	316.0	517.2	706.7	860.1	905.5	911.7
30°	298.4	283.2	275.7	267.7	302.2	518.6	742.6	925.2	982.7	991.3
32.5°	275.3	267.0	267.4	268.8	289.1	508.9	775.3	997.5	1074.4	1088.2
35°	254.0	251.5	258.4	265.3	270.1	484.1	803.9	1083.0	1187.7	1201.9
37.5°	235.7	237.8	246.4	253.3	249.5	449.0	841.8	1189.8	1314.6	1326.6
40°	218.1	223.3	233.3	236.4	233.6	408.0	887.3	1292.8	1424.5	1441.0
42.5°	201.9	205.7	219.8	220.5	229.1	366.3	931.0	1403.8	1550.9	1559.5
45°	188.8	188.1	202.6	207.1	235.0	320.1	973.8	1551.6	1716.3	1728.7
47.5°	176.1	175.4	178.8	199.2	237.4	277.4	1016.1	1768.0	1956.1	1977.5
50°	164.0	165.1	154.4	195.4	224.3	244.6	1035.4	1968.2	2174.3	2183.2
52.5°	153.3	149.5	130.9	183.0	196.4	213.6	980.7	2059.2	2309.3	2334.8
55°	138.2	117.2	107.9	148.5	155.1	186.4	803.2	2006.5	2321.1	2366.2
57.5°	118.2	92.0	91.7	109.6	109.6	173.0	514.4	1714.3	2000.3	2079.5
60°	91.0	71.3	75.8	76.2	70.3	126.1	288.8	1241.8	1478.9	1557.8
62.5°	64.8	54.4	57.2	45.5	40.3	63.1	138.5	715.0	912.8	923.8
65°	43.4	36.9	30.0	25.2	24.8	26.9	57.2	258.4	314.3	354.6
67.5°	28.6	22.4	15.9	15.9	17.9	17.9	21.7	42.7	60.0	54.8
70°	18.6	15.5	10.0	9.6	11.7	11.7	11.0	11.7	12.4	12.4
72.5°	13.8	11.7	5.9	5.2	6.5	6.9	6.2	5.9	5.9	5.9
75°	10.3	8.3	3.4	2.4	3.1	4.1	3.4	2.4	2.4	2.1
77.5°	4.1	3.1	1.4	1.0	1.7	2.4	2.1	1.0	0.7	0.7
80°	0.3	0.7	0.7	0.7	1.0	1.4	1.7	0.7	0.3	0.3
82.5°	0.0	0.3	0.3	0.3	0.7	1.0	1.4	0.7	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.7	1.0	0.7	0.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.3	1.0	0.7	0.3	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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