

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: P632103

Luminaire Tested: GWS-SA2C-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632103  
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-SA2C-722-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

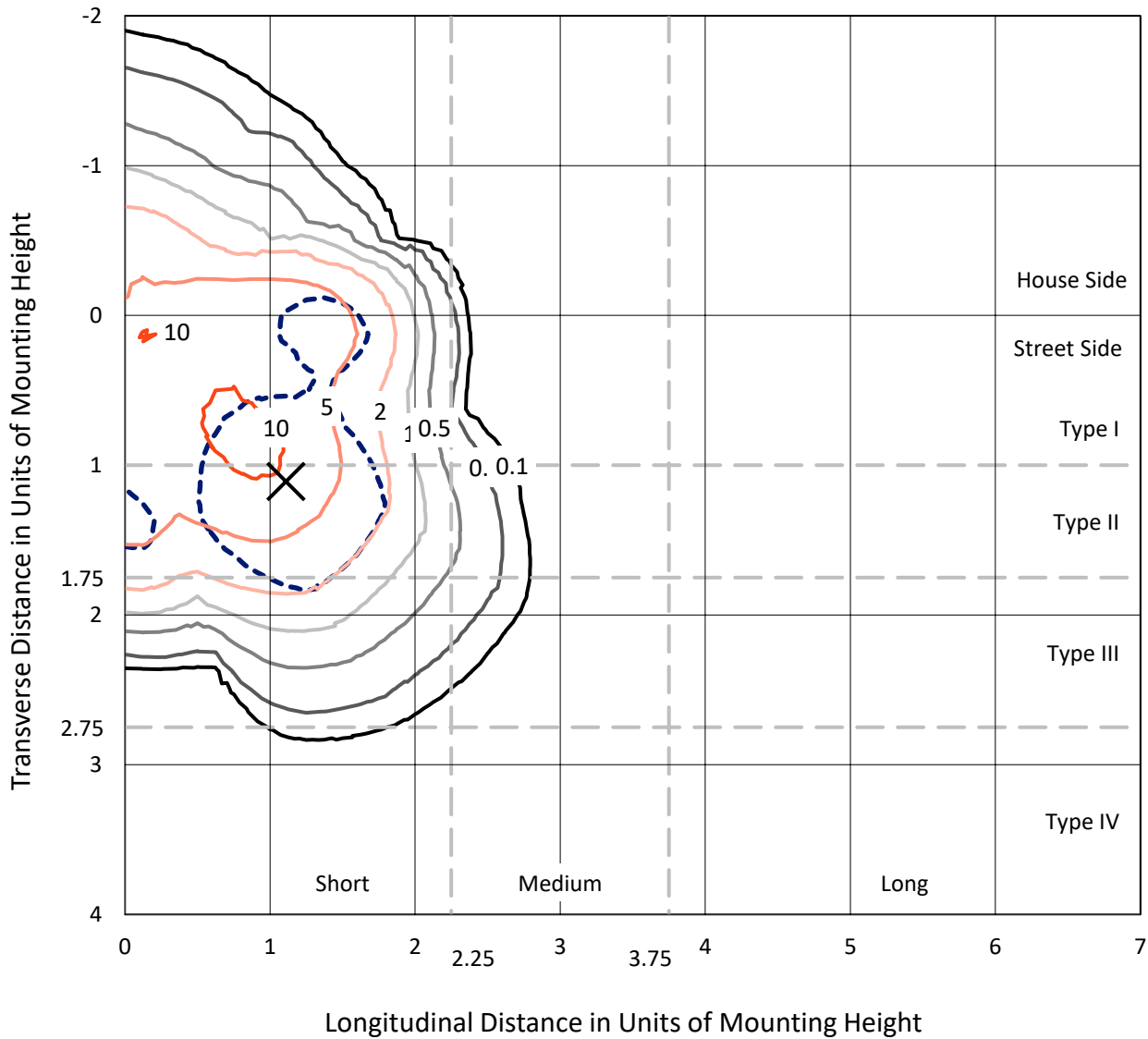
Lumens per Lamp: N/A  
Luminaire Lumens: 3637.1 lumens  
Efficiency: N/A  
Efficacy: 57.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

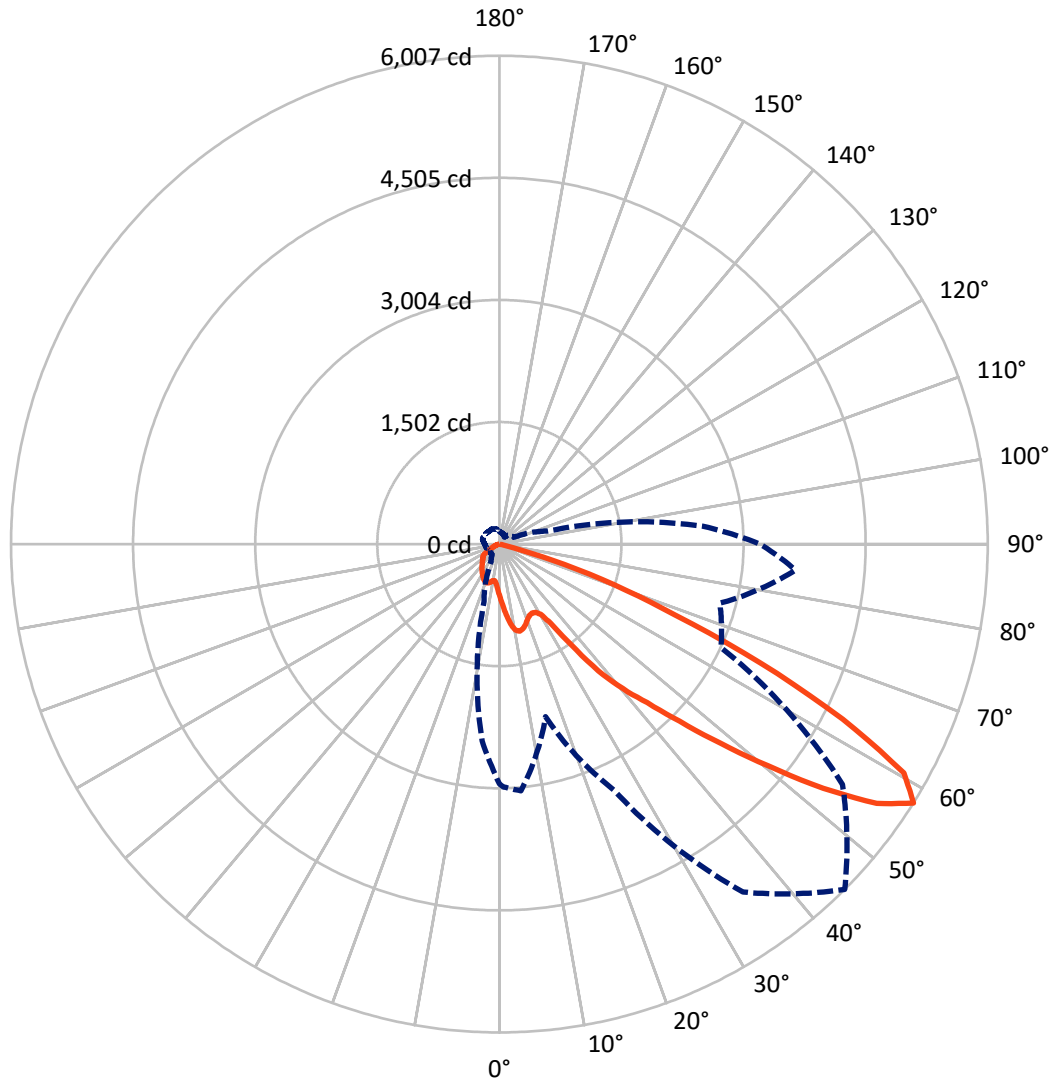
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 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	814.4	0.0	814.4
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	2822.7	0.0	2822.7
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	3637.1	0.0	3637.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.9	1.7
10°-20°	203.4	5.6
20°-30°	330.5	9.1
30°-40°	510.6	14.0
40°-50°	818.8	22.5
50°-60°	1119.1	30.8
60°-70°	542.0	14.9
70°-80°	49.6	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°	3637.1	100.0
0°-180°	3637.1	100.0

**Coefficient of Utilization**



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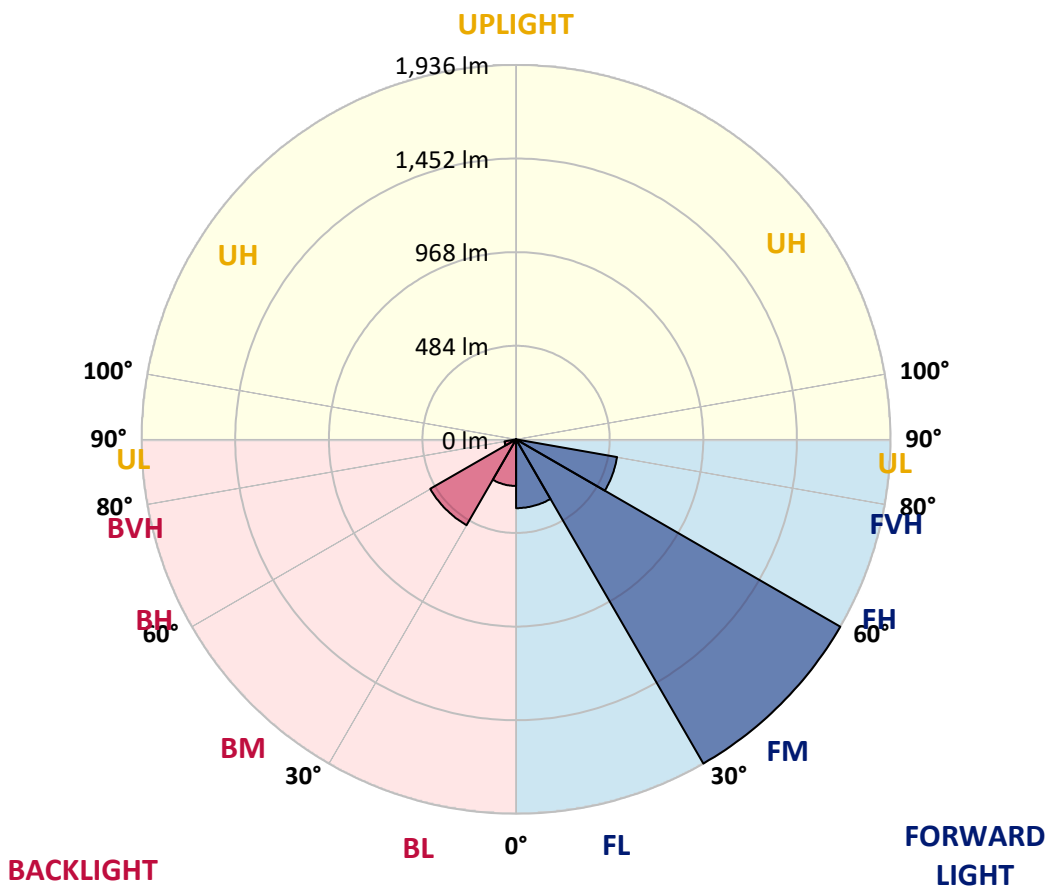
CATALOG NUMBER: GWS-SA2C-722-U-SLR-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	355.8	9.8			
FM (30°-60°)	1936.1	53.2			
FH (60°-80°)	530.6	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	241.0	6.6	B1/500		
BM (30°-60°)	512.4	14.1	B1/1000		
BH (60°-80°)	61.0	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°	639.3	639.3	639.3	639.3	639.3	639.3	639.3	639.3	639.3	639.3	639.3
2.5°	692.5	696.9	704.3	719.9	733.1	741.9	745.8	744.8	739.4	735.5	727.7
5°	766.8	766.8	781.0	816.7	844.0	861.1	869.9	864.6	853.8	836.7	810.3
7.5°	831.8	834.3	858.2	909.0	950.6	975.0	989.2	986.3	967.2	934.5	881.7
10°	882.6	885.6	917.3	979.4	1028.3	1053.2	1074.2	1076.2	1055.2	1011.7	951.1
12.5°	932.0	934.9	968.2	1027.8	1070.8	1081.1	1099.6	1107.0	1101.6	1070.8	1007.8
15°	985.3	992.1	1020.5	1064.9	1083.0	1070.8	1083.0	1096.2	1114.3	1111.4	1054.7
17.5°	1037.6	1042.5	1071.3	1086.9	1066.9	1035.1	1041.0	1056.6	1097.7	1137.8	1101.1
20°	1086.0	1092.8	1116.7	1096.2	1035.6	986.3	986.7	1007.3	1069.8	1153.9	1148.5
22.5°	1136.8	1147.1	1164.2	1106.5	1006.8	947.6	950.1	968.7	1047.8	1169.0	1202.3
25°	1203.3	1213.0	1224.3	1131.9	997.5	928.6	937.9	955.0	1047.8	1194.9	1268.7
27.5°	1293.2	1300.0	1300.5	1179.3	1013.6	931.5	951.1	970.6	1079.1	1246.8	1357.7
30°	1406.1	1416.8	1402.7	1253.1	1064.0	970.6	999.5	1023.9	1146.6	1334.2	1488.7
32.5°	1543.4	1558.6	1539.5	1362.6	1169.0	1105.5	1157.8	1172.0	1254.1	1460.8	1637.2
35°	1704.7	1717.4	1696.9	1514.1	1414.4	1426.1	1520.9	1502.8	1470.1	1616.7	1810.7
37.5°	1881.6	1893.3	1853.8	1743.8	1777.0	1827.9	1979.4	1917.3	1811.7	1817.6	1998.9
40°	2043.9	2056.6	1994.5	1993.5	2062.0	2154.8	2337.6	2252.1	2108.4	2080.5	2175.3
42.5°	2212.0	2220.8	2164.6	2126.5	2281.9	2473.0	2666.5	2551.2	2304.9	2274.6	2396.2
45°	2452.0	2470.5	2370.3	2192.0	2479.8	2839.0	3108.8	2883.5	2438.8	2414.3	2734.4
47.5°	2804.8	2818.5	2614.2	2233.0	2664.1	3295.0	3661.6	3314.6	2556.5	2500.8	3196.8
50°	3096.6	3105.9	2838.5	2278.0	2860.1	3786.7	4291.5	3825.8	2689.0	2644.0	3628.3
52.5°	3311.6	3346.8	3133.3	2370.3	3117.6	4364.9	4989.0	4431.3	2895.7	2920.7	3986.1
55°	3356.1	3404.0	3334.6	2427.0	3344.4	4953.8	5633.1	4973.3	3102.0	3130.3	4106.3
57.5°	2949.5	2987.6	3045.3	2198.3	3339.0	5223.6	6007.0	5153.2	3008.1	2807.3	3656.2
60°	2209.6	2235.9	2340.5	1680.3	3070.7	4985.1	5715.7	4847.2	2630.3	2142.1	2785.8
62.5°	1310.3	1322.0	1454.5	1088.4	2548.7	4293.0	4740.2	4182.6	2078.6	1440.8	1706.2
65°	502.9	498.0	599.2	537.1	1874.3	3419.6	3525.7	3188.5	1426.1	660.3	650.5
67.5°	77.7	74.3	100.2	158.8	1351.8	2369.9	2326.4	2298.0	893.4	154.0	134.4
70°	17.6	17.6	21.5	46.9	826.0	1392.4	1490.1	1420.7	571.8	32.7	17.6
72.5°	8.3	8.3	10.3	20.0	299.1	573.8	668.6	658.3	185.7	10.8	6.4
75°	2.9	3.4	3.4	4.4	18.1	29.8	68.4	48.9	11.7	0.0	0.0
77.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.5	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°	639.3	639.3	639.3	639.3	639.3	639.3	639.3	639.3	639.3	639.3	639.3
2.5°	710.6	707.2	694.5	677.4	660.8	646.1	631.0	612.9	599.7	584.5	579.6
5°	789.8	768.3	733.6	697.4	664.2	635.8	608.5	579.1	557.6	536.1	528.8
7.5°	856.7	825.0	768.8	714.5	669.1	629.0	589.4	549.3	518.1	492.6	484.8
10°	916.9	880.2	804.9	738.0	680.8	634.4	586.5	536.1	495.6	465.3	457.9
12.5°	968.7	926.1	835.7	755.6	685.7	632.4	586.0	545.9	509.3	474.6	465.3
15°	1012.2	965.2	861.6	767.3	678.4	608.0	567.4	561.1	558.1	520.0	501.9
17.5°	1054.7	1001.9	882.6	772.7	657.8	565.0	535.6	564.5	595.3	570.3	547.4
20°	1099.2	1039.0	904.2	773.7	623.6	516.6	511.7	557.2	596.3	588.4	566.9
22.5°	1151.4	1085.5	931.0	773.2	580.6	475.5	494.1	543.0	574.7	574.3	557.2
25°	1227.2	1144.1	967.2	776.1	533.7	443.8	474.6	519.0	544.9	544.0	529.8
27.5°	1308.3	1214.0	1014.1	783.4	493.6	425.2	451.6	486.3	508.8	507.8	495.6
30°	1422.2	1294.6	1059.1	783.9	464.8	415.4	426.2	450.1	471.6	469.2	459.9
32.5°	1560.5	1385.6	1096.7	756.1	446.7	406.1	399.8	412.0	428.6	425.2	422.8
35°	1727.7	1493.6	1129.0	695.0	418.8	387.6	370.5	372.9	384.6	386.6	385.6
37.5°	1918.3	1622.1	1169.0	614.3	381.2	360.7	337.7	335.8	342.6	349.0	353.8
40°	2106.4	1766.8	1223.3	532.7	347.0	326.5	304.5	299.6	302.5	313.8	324.0
42.5°	2318.0	1934.4	1281.9	462.8	323.5	288.8	267.8	258.5	266.8	284.9	297.1
45°	2623.0	2169.5	1339.1	407.1	313.8	255.6	227.3	226.3	235.6	259.0	272.7
47.5°	3051.1	2473.5	1376.8	363.6	313.3	229.7	196.0	201.8	212.6	235.6	251.2
50°	3468.5	2854.2	1335.2	330.4	303.0	212.6	172.5	184.3	195.0	215.0	231.2
52.5°	3720.2	3059.0	1173.4	299.1	271.2	204.8	149.6	170.1	172.0	190.1	207.2
55°	3693.8	2926.5	898.8	250.7	224.3	193.5	125.6	153.5	154.4	168.1	182.8
57.5°	3206.1	2512.6	617.3	203.3	168.6	159.8	103.6	129.5	138.8	147.1	157.9
60°	2389.4	1833.2	275.2	165.2	107.0	108.0	88.5	97.7	111.9	121.7	131.0
62.5°	1408.0	1054.7	111.9	99.2	59.1	67.9	71.4	71.4	80.2	87.5	93.3
65°	532.2	369.0	45.5	49.9	30.8	31.8	42.0	51.8	58.6	65.0	72.8
67.5°	93.3	64.5	23.5	18.6	18.1	16.1	21.5	33.7	37.6	42.5	45.9
70°	15.6	13.2	9.8	9.3	8.3	8.8	14.2	23.9	26.4	27.9	29.3
72.5°	4.4	3.9	2.9	2.4	2.0	2.4	8.8	18.6	19.5	20.5	22.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	13.2	14.2	14.7	16.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	3.9	4.9	3.9
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°	639.3	639.3	639.3	639.3	639.3	639.3	639.3	639.3	639.3	639.3	639.3
2.5°	576.7	566.9	561.6	558.6	558.6	554.7	550.3	548.8	555.2	555.2	565.9
5°	519.5	511.7	502.9	497.5	489.2	490.7	485.8	485.3	491.7	494.6	505.8
7.5°	479.9	470.2	464.8	461.4	457.0	455.0	450.6	449.1	452.6	457.5	468.2
10°	453.5	452.1	451.6	454.0	454.0	451.6	447.7	445.2	446.2	455.5	467.7
12.5°	460.4	463.3	464.3	468.2	470.2	468.2	465.3	466.2	472.6	489.7	507.8
15°	490.2	487.8	486.8	488.7	490.2	488.2	487.3	494.6	516.6	541.0	561.6
17.5°	522.0	506.3	499.5	499.5	500.5	499.5	500.5	514.6	550.3	574.7	589.9
20°	538.1	509.3	498.5	496.1	498.0	498.5	501.9	518.1	557.2	574.3	577.7
22.5°	533.2	497.0	484.8	482.9	484.8	486.8	490.2	503.9	540.5	549.3	547.9
25°	508.8	473.1	463.3	463.3	467.7	467.2	468.7	478.5	508.8	514.1	511.7
27.5°	478.0	444.3	435.9	440.8	444.7	443.8	444.3	452.6	475.0	476.5	474.1
30°	446.7	417.4	409.6	415.4	420.8	419.8	420.3	428.6	442.8	441.3	437.9
32.5°	414.9	393.4	387.6	391.0	399.3	398.3	400.3	409.1	414.4	408.1	404.2
35°	385.6	374.4	370.0	371.9	378.3	379.7	383.2	389.0	389.0	381.2	374.4
37.5°	358.2	356.8	353.8	351.4	357.3	361.7	366.5	373.4	363.6	352.4	346.0
40°	332.8	339.2	335.3	328.9	332.3	338.7	348.5	353.8	342.1	330.9	320.1
42.5°	309.4	320.1	318.7	310.8	313.8	319.6	330.9	335.3	321.6	308.9	298.6
45°	286.9	302.0	303.0	293.2	296.2	302.0	315.2	316.7	299.1	285.4	278.1
47.5°	267.3	284.0	284.4	277.1	278.1	286.4	298.6	299.1	279.1	266.4	257.1
50°	248.8	267.8	269.3	262.9	263.9	273.7	284.0	282.0	260.5	247.3	239.0
52.5°	226.3	252.2	255.6	252.7	256.6	264.4	270.8	263.9	239.0	225.8	218.5
55°	201.8	235.6	242.9	240.9	245.3	251.7	253.2	248.8	217.5	204.3	197.4
57.5°	173.5	194.0	206.7	202.8	206.2	212.6	217.0	213.6	190.1	179.9	174.0
60°	143.7	157.4	160.3	154.0	151.0	162.3	172.5	168.1	148.1	141.7	134.9
62.5°	105.1	120.7	122.7	114.4	110.9	123.2	132.0	127.6	105.6	98.7	93.3
65°	84.1	98.7	102.6	94.8	92.9	102.1	107.5	96.8	81.1	73.8	67.9
67.5°	55.2	67.0	77.2	76.7	72.8	75.8	71.8	63.0	51.8	47.9	44.0
70°	34.2	41.1	47.4	49.9	49.4	48.4	43.0	36.7	33.2	31.8	29.8
72.5°	26.4	33.2	38.1	39.6	40.1	38.6	34.2	28.3	24.9	23.0	21.5
75°	19.5	24.9	28.8	30.8	31.8	30.8	26.4	22.5	19.1	17.6	16.1
77.5°	6.8	8.3	10.3	11.2	10.8	10.3	9.3	9.3	7.3	6.8	5.9
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°	639.3	639.3	639.3	639.3	639.3	639.3	639.3	639.3	639.3	639.3
2.5°	578.2	587.0	603.1	617.8	633.4	649.5	667.1	685.2	693.5	692.5
5°	522.9	542.0	568.4	597.2	629.5	664.2	702.8	742.4	759.5	766.8
7.5°	488.2	515.1	549.8	586.5	629.0	678.4	736.5	798.6	823.5	831.8
10°	492.6	523.9	552.8	588.4	633.9	697.9	770.2	844.0	873.4	882.6
12.5°	528.3	535.2	543.0	572.3	629.5	712.6	801.0	889.0	922.7	932.0
15°	560.6	528.8	514.1	541.0	613.8	722.8	832.3	937.4	974.5	985.3
17.5°	562.0	514.1	481.4	502.4	588.4	727.2	863.1	986.7	1027.3	1037.6
20°	544.0	498.0	456.0	456.5	553.7	726.3	888.5	1031.2	1076.7	1086.0
22.5°	517.6	479.0	435.5	420.3	516.6	724.3	916.4	1078.6	1128.0	1136.8
25°	488.2	454.5	415.9	392.9	479.4	726.3	955.5	1140.7	1194.9	1203.3
27.5°	456.5	427.6	400.8	382.2	448.2	733.6	1002.4	1219.9	1284.4	1293.2
30°	423.2	401.7	391.0	379.7	428.6	735.5	1053.2	1312.2	1393.9	1406.1
32.5°	390.5	378.8	379.3	381.2	410.0	721.9	1099.6	1414.9	1523.9	1543.4
35°	360.2	356.8	366.5	376.3	383.2	686.7	1140.2	1536.1	1684.7	1704.7
37.5°	334.3	337.2	349.4	359.2	353.8	636.8	1194.0	1687.6	1864.5	1881.6
40°	309.4	316.7	330.9	335.3	331.4	578.7	1258.5	1833.7	2020.4	2043.9
42.5°	286.4	291.8	311.8	312.8	325.0	519.5	1320.5	1991.1	2199.8	2212.0
45°	267.8	266.8	287.4	293.7	333.3	454.0	1381.2	2200.8	2434.4	2452.0
47.5°	249.7	248.8	253.7	282.5	336.7	393.4	1441.3	2507.7	2774.5	2804.8
50°	232.6	234.1	219.0	277.1	318.2	347.0	1468.6	2791.6	3083.9	3096.6
52.5°	217.5	212.1	185.7	259.5	278.6	303.0	1390.9	2920.7	3275.5	3311.6
55°	196.0	166.2	153.0	210.6	219.9	264.4	1139.2	2845.9	3292.1	3356.1
57.5°	167.6	130.5	130.0	155.4	155.4	245.3	729.7	2431.4	2837.1	2949.5
60°	129.0	101.2	107.5	108.0	99.7	178.9	409.6	1761.4	2097.6	2209.6
62.5°	91.9	77.2	81.1	64.5	57.2	89.4	196.5	1014.1	1294.6	1310.3
65°	61.6	52.3	42.5	35.7	35.2	38.1	81.1	366.5	445.7	502.9
67.5°	40.6	31.8	22.5	22.5	25.4	25.4	30.8	60.6	85.0	77.7
70°	26.4	22.0	14.2	13.7	16.6	16.6	15.6	16.6	17.6	17.6
72.5°	19.5	16.6	8.3	7.3	9.3	9.8	8.8	8.3	8.3	8.3
75°	14.7	11.7	4.9	3.4	4.4	5.9	4.9	3.4	3.4	2.9
77.5°	5.9	4.4	2.0	1.5	2.4	3.4	2.9	1.5	1.0	1.0
80°	0.5	1.0	1.0	1.0	1.5	2.0	2.4	1.0	0.5	0.5
82.5°	0.0	0.5	0.5	0.5	1.0	1.5	2.0	1.0	0.5	0.5
85°	0.0	0.0	0.0	0.0	1.0	1.5	1.0	0.5	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.5	1.5	1.0	0.5	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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