

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: P630614

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630614  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)  
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-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

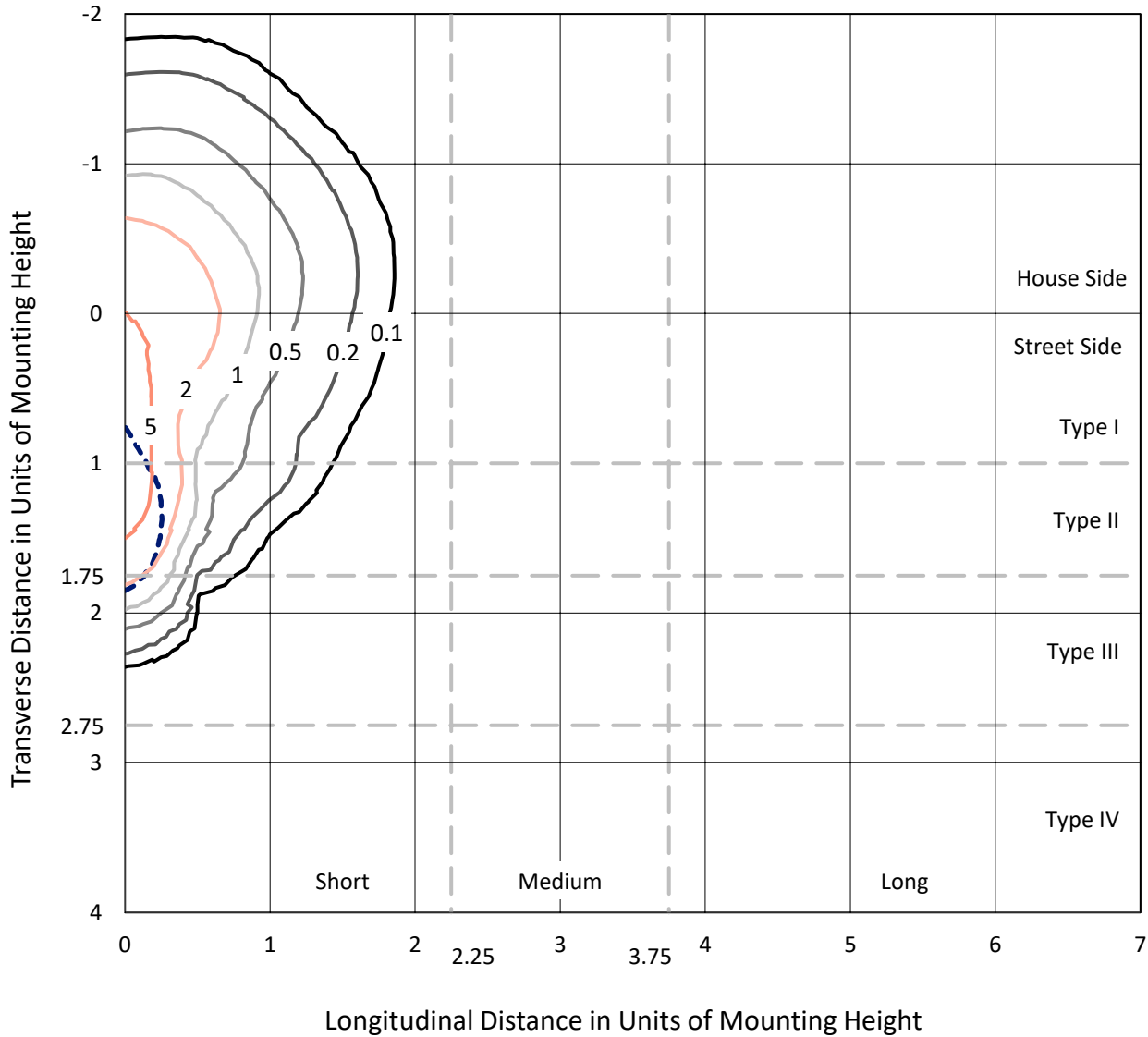
Lumens per Lamp: N/A  
Luminaire Lumens: 2993 lumens  
Efficiency: N/A  
Efficacy: 51.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

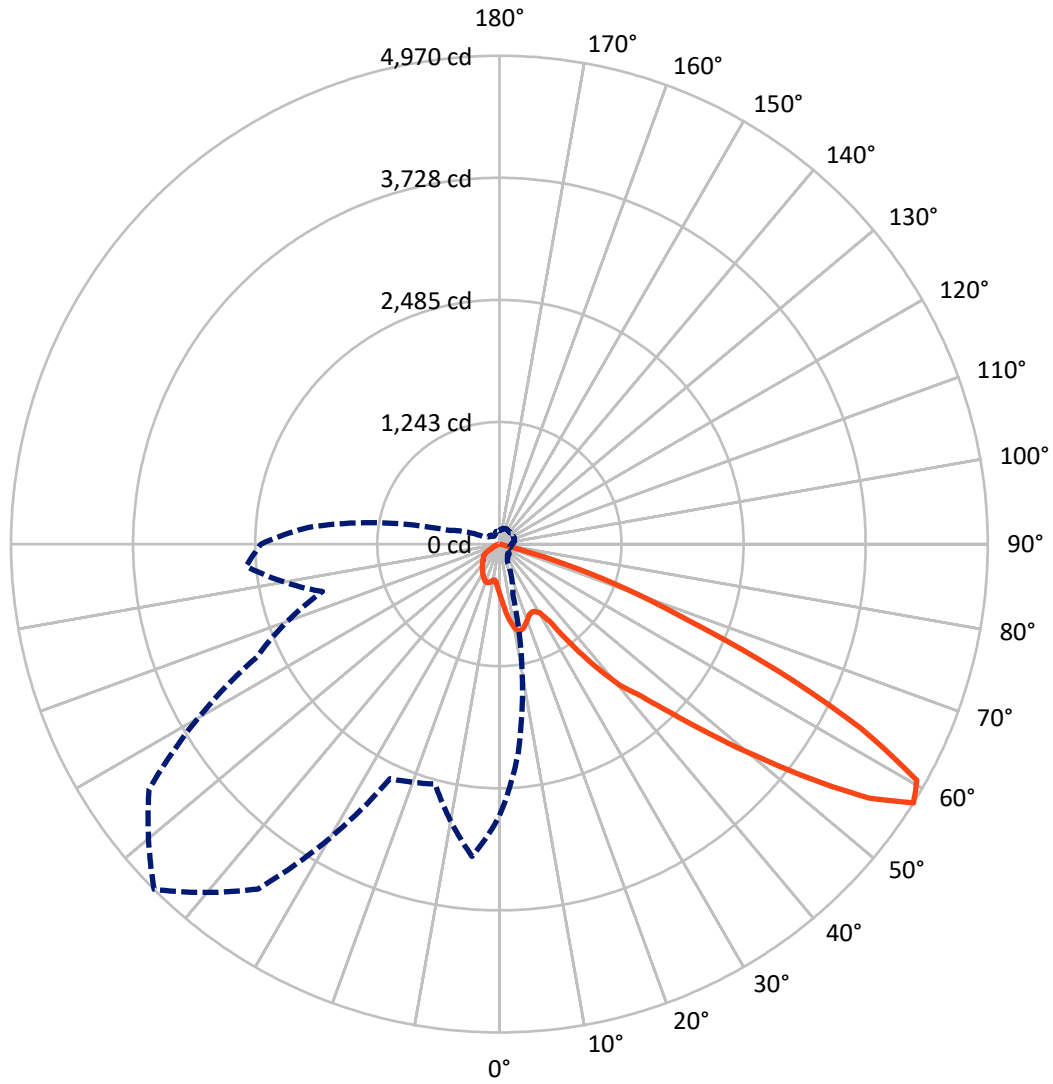
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	644.8	0.0	644.8
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	2348.2	0.0	2348.2
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	2993.0	0.0	2993.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.3	1.7
10°-20°	165.4	5.5
20°-30°	268.4	9.0
30°-40°	412.0	13.8
40°-50°	657.9	22.0
50°-60°	921.2	30.8
60°-70°	472.3	15.8
70°-80°	45.5	1.5
80°-90°	0.0	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°	2993.0	100.0
0°-180°	2993.0	100.0

**Coefficient of Utilization**



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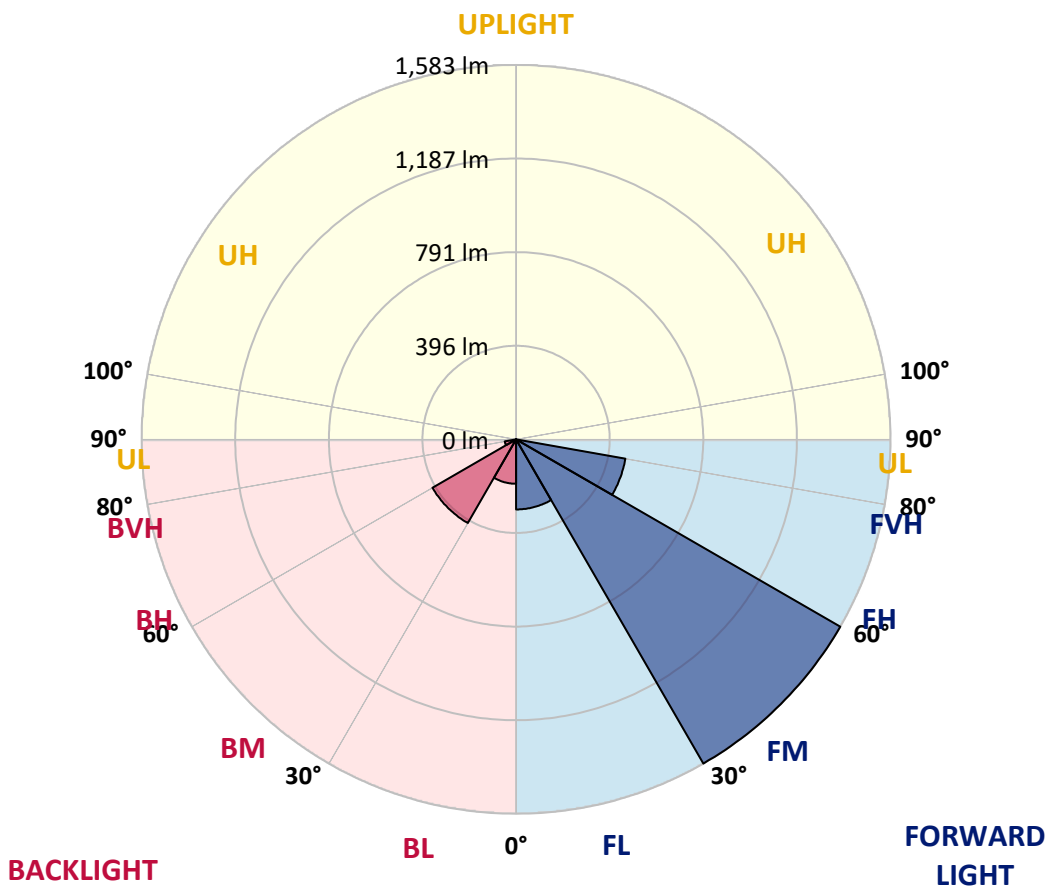
CATALOG NUMBER: GWS-SA1E-722-U-SLL-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	296.3	9.9			
FM (30°-60°)	1582.8	52.9			
FH (60°-80°)	469.1	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	187.7	6.3	B1/500		
BM (30°-60°)	408.4	13.6	B1/1000		
BH (60°-80°)	48.7	1.6	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°	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6
2.5°	565.0	563.8	559.8	546.2	537.8	524.6	515.0	502.6	488.9	480.5	472.1
5°	625.0	621.8	611.0	579.8	555.8	529.8	509.0	486.1	461.7	445.7	430.9
7.5°	682.6	677.8	663.4	610.6	574.2	537.0	507.4	474.1	439.7	415.7	397.3
10°	739.0	728.2	705.4	640.6	591.4	546.6	511.8	473.7	433.3	402.9	382.5
12.5°	785.4	777.4	746.2	669.0	605.8	548.6	505.8	470.5	443.3	422.9	404.1
15°	825.5	816.6	787.0	694.6	618.2	540.6	480.5	449.7	454.1	462.1	446.1
17.5°	862.3	853.1	821.1	715.8	623.0	521.0	445.3	430.5	454.9	484.9	478.9
20°	900.3	889.9	850.7	733.0	621.4	490.1	409.7	414.1	448.5	482.9	486.1
22.5°	944.7	933.9	888.3	755.0	620.2	453.3	378.9	399.7	436.5	465.7	471.3
25°	1003.5	990.7	940.7	787.4	623.4	419.7	356.9	385.7	416.1	442.5	445.7
27.5°	1081.1	1064.7	1001.1	827.5	630.2	393.3	347.3	366.5	390.1	413.7	416.5
30°	1182.4	1161.6	1070.3	862.3	627.0	374.9	340.9	347.3	361.3	380.5	380.9
32.5°	1300.8	1272.4	1147.9	892.3	599.4	361.3	332.1	327.7	330.9	345.7	348.5
35°	1440.0	1403.2	1233.6	920.7	549.0	334.9	316.1	301.3	300.1	307.3	314.1
37.5°	1599.7	1555.7	1341.6	957.1	489.3	307.3	292.5	277.7	271.3	274.9	285.3
40°	1746.9	1698.1	1454.4	1001.1	428.5	282.5	264.9	249.7	242.1	243.3	256.1
42.5°	1919.8	1869.4	1592.5	1058.7	378.1	265.7	236.1	220.5	210.5	216.1	230.9
45°	2182.3	2125.0	1793.7	1108.7	338.1	261.7	210.9	188.9	184.1	193.7	211.3
47.5°	2540.8	2470.8	2070.2	1139.1	304.1	265.3	193.3	163.2	164.5	175.3	192.9
50°	2896.5	2820.9	2389.9	1099.1	276.1	258.1	184.5	143.2	150.8	160.4	176.5
52.5°	3141.0	3042.5	2545.6	983.5	250.5	230.9	183.7	124.4	138.8	142.0	155.6
55°	3150.6	3029.3	2466.0	775.4	215.7	194.9	175.3	108.8	125.6	126.8	138.4
57.5°	2761.6	2652.0	2155.1	532.6	191.7	142.8	139.6	95.2	103.2	113.2	120.4
60°	2101.0	2007.8	1611.7	244.1	145.6	90.8	95.6	82.0	77.2	92.0	99.2
62.5°	1286.8	1227.2	966.7	108.0	92.8	48.4	58.0	65.2	58.0	63.6	69.6
65°	511.0	484.5	366.9	46.0	38.0	24.4	26.4	38.0	40.8	44.8	50.4
67.5°	88.8	84.0	61.6	20.4	15.6	14.8	12.8	17.6	24.8	27.6	32.0
70°	11.6	11.2	10.0	8.4	8.0	7.2	5.6	11.2	16.8	17.6	20.4
72.5°	2.8	2.4	2.4	2.0	2.4	0.8	0.8	6.0	12.0	12.4	14.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.6	8.4	10.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6
2.5°	465.3	457.3	454.5	450.5	445.3	446.9	439.7	437.3	440.9	445.7	444.5
5°	422.9	414.1	408.1	398.9	397.3	393.7	391.3	388.1	392.1	397.7	398.9
7.5°	389.3	381.7	375.7	372.9	370.9	369.3	364.5	362.1	362.1	364.5	366.5
10°	374.9	369.3	368.1	368.9	372.1	371.7	367.3	364.1	360.1	358.1	360.5
12.5°	394.9	385.7	384.1	384.5	388.5	388.1	383.3	379.3	378.5	379.3	386.9
15°	428.9	414.9	404.5	402.5	404.5	403.7	400.1	397.7	398.9	410.5	423.3
17.5°	459.3	437.7	418.9	411.7	411.3	410.1	406.5	405.7	411.7	433.3	452.1
20°	468.1	446.9	420.1	410.9	408.9	407.7	403.7	404.9	412.5	438.5	454.5
22.5°	456.5	436.1	408.1	398.9	397.3	396.9	392.9	394.5	400.9	423.7	436.9
25°	434.5	417.3	388.1	380.1	380.1	379.3	375.7	376.5	380.5	400.5	413.3
27.5°	407.7	391.3	366.9	358.9	360.1	361.3	356.9	355.7	358.9	377.7	385.3
30°	376.9	365.3	346.1	338.9	338.5	343.3	337.3	335.7	340.1	354.9	356.5
32.5°	346.9	341.3	327.7	322.1	322.5	323.3	320.1	320.1	324.1	332.1	331.7
35°	317.7	314.1	311.7	307.7	307.3	305.7	305.7	306.5	310.9	313.7	308.5
37.5°	289.7	293.3	296.1	292.1	288.9	288.9	288.9	292.5	296.5	295.3	286.5
40°	264.9	272.5	281.3	276.9	269.3	268.9	270.5	276.5	282.5	275.3	267.3
42.5°	243.7	253.3	265.7	263.3	254.9	253.7	254.9	262.5	267.3	258.1	249.3
45°	222.9	234.9	249.7	249.7	240.5	239.3	239.7	249.7	252.5	241.7	230.5
47.5°	205.3	218.5	234.1	234.1	226.5	224.1	226.1	236.5	238.5	223.3	212.9
50°	188.5	202.9	220.1	218.9	213.7	211.7	215.3	226.5	224.1	207.3	196.5
52.5°	167.3	182.5	206.1	207.3	204.5	204.9	209.3	216.5	209.7	189.3	180.1
55°	148.0	163.6	187.3	193.7	193.7	193.3	195.3	200.9	195.3	170.9	159.6
57.5°	127.2	140.4	160.0	161.6	162.8	158.4	161.2	168.9	166.1	145.2	138.8
60°	104.4	115.6	126.8	128.0	122.8	113.6	118.8	127.6	129.6	114.0	106.8
62.5°	74.0	84.8	98.0	98.0	92.8	83.6	90.4	98.0	95.2	79.2	74.8
65°	55.2	65.2	75.2	79.6	75.2	68.8	74.0	79.6	75.2	62.0	55.6
67.5°	35.6	42.4	48.4	52.0	52.8	52.0	54.4	52.8	47.6	38.8	35.2
70°	21.6	25.2	28.4	31.6	34.0	35.2	36.4	32.8	27.6	22.8	21.6
72.5°	15.6	18.8	21.6	24.0	26.8	27.6	27.6	25.2	20.4	16.0	14.8
75°	10.8	13.6	16.0	17.6	20.0	20.8	20.8	18.8	15.2	11.6	10.4
77.5°	0.4	2.8	2.8	2.4	3.2	4.0	4.0	4.8	4.4	3.2	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°	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6
2.5°	446.9	461.3	465.3	480.1	493.4	506.6	522.6	532.2	546.6	556.6	562.2
5°	402.9	414.9	429.3	451.3	474.1	499.4	529.8	556.2	589.4	613.8	621.8
7.5°	370.9	386.5	403.3	430.9	462.1	495.8	538.6	581.8	632.6	665.8	687.0
10°	364.9	380.9	403.3	430.5	463.3	501.8	554.2	610.2	673.8	714.2	738.2
12.5°	393.7	410.9	420.5	432.9	457.7	500.6	567.8	639.0	713.8	757.8	783.4
15°	436.1	451.3	435.7	420.1	436.1	487.7	575.4	663.0	749.0	799.8	826.3
17.5°	465.3	466.5	432.5	399.3	403.7	464.5	578.2	687.0	786.6	839.9	867.5
20°	462.5	452.9	418.5	381.7	368.1	434.5	575.0	708.2	824.7	880.3	907.5
22.5°	440.9	429.7	400.5	364.5	338.1	398.9	569.4	727.4	859.5	922.7	948.3
25°	414.9	402.9	378.9	347.3	318.9	364.5	565.0	753.8	903.5	977.9	997.9
27.5°	384.5	374.1	353.7	330.9	310.9	338.5	563.8	788.6	956.7	1045.1	1059.1
30°	354.9	345.3	329.3	316.1	307.7	323.3	559.8	825.9	1020.3	1122.3	1137.5
32.5°	326.5	316.9	306.9	304.9	305.3	317.7	546.2	862.7	1095.9	1234.4	1245.6
35°	302.1	290.9	286.9	291.7	300.5	308.1	507.8	893.1	1177.2	1356.4	1365.6
37.5°	278.9	267.7	267.3	278.9	288.5	293.3	462.5	923.1	1286.8	1480.5	1492.1
40°	257.7	246.5	250.5	264.5	272.1	274.5	407.7	968.7	1402.8	1611.3	1604.9
42.5°	239.7	228.1	230.5	248.5	255.3	261.7	357.3	1006.7	1514.5	1735.3	1733.3
45°	222.1	213.3	211.7	231.3	237.3	262.9	320.5	1035.9	1658.1	1893.4	1896.6
47.5°	204.9	198.1	198.5	206.9	221.7	268.9	289.3	1055.1	1866.6	2143.9	2088.2
50°	189.3	184.1	188.5	178.9	211.7	261.3	262.5	1051.1	2099.4	2383.9	2272.3
52.5°	172.1	170.9	172.9	149.6	195.7	230.5	237.3	997.9	2208.7	2548.0	2484.4
55°	154.4	154.0	138.0	119.6	163.6	184.1	203.3	832.7	2205.1	2635.2	2712.4
57.5°	133.6	130.4	104.8	97.6	127.2	128.0	185.3	545.4	1954.2	2426.3	2586.4
60°	101.2	98.8	76.8	79.2	88.8	82.0	147.6	271.7	1460.4	1890.2	2070.6
62.5°	70.0	66.8	57.2	61.2	57.2	46.8	90.4	134.4	884.7	1193.6	1357.2
65°	51.2	47.6	39.2	33.6	26.8	26.8	34.4	51.6	342.5	507.4	611.8
67.5°	31.6	30.0	23.2	16.8	16.4	17.6	18.0	25.6	55.2	88.0	107.6
70°	20.4	18.8	15.6	10.8	10.0	10.4	10.8	12.0	14.0	15.2	18.4
72.5°	14.0	13.2	11.2	6.0	4.8	5.2	5.6	5.6	6.8	6.4	7.6
75°	10.0	9.2	8.0	2.8	1.6	2.0	2.4	2.0	2.4	1.6	2.0
77.5°	2.8	2.8	2.0	0.4	0.0	0.4	0.8	0.8	0.4	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	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°	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6
2.5°	576.6	585.8	589.4	584.2	588.6	581.4	578.6	567.8	567.0	565.0
5°	654.2	675.0	687.4	695.0	686.2	676.6	662.2	637.4	629.8	625.0
7.5°	730.6	763.0	784.2	794.2	791.8	772.2	746.2	704.6	689.8	682.6
10°	797.0	836.7	862.3	874.7	869.5	852.3	815.0	763.0	743.4	739.0
12.5°	843.5	879.9	897.5	908.3	908.7	901.9	866.7	814.2	791.0	785.4
15°	872.7	888.3	888.7	895.1	906.3	921.5	905.1	858.7	833.9	825.5
17.5°	891.1	873.9	856.3	857.9	876.3	916.7	933.5	897.9	871.5	862.3
20°	904.3	849.9	817.0	817.4	836.3	897.5	953.1	935.9	908.7	900.3
22.5°	912.7	828.7	781.8	780.6	800.6	874.7	971.1	981.1	954.3	944.7
25°	929.9	818.6	760.6	767.4	785.0	867.5	995.5	1041.1	1016.3	1003.5
27.5°	960.7	828.7	758.6	774.2	794.2	888.7	1037.9	1121.1	1095.5	1081.1
30°	1013.9	866.3	789.4	811.0	835.1	944.3	1109.1	1232.8	1196.0	1182.4
32.5°	1099.5	944.3	884.7	931.1	954.3	1035.5	1216.0	1358.0	1328.0	1300.8
35°	1217.6	1122.3	1115.5	1223.6	1218.0	1208.4	1347.2	1511.7	1466.4	1440.0
37.5°	1380.0	1408.8	1459.2	1566.5	1562.9	1489.7	1519.7	1656.9	1633.7	1599.7
40°	1582.9	1644.1	1729.7	1883.4	1835.4	1743.3	1731.3	1805.8	1786.9	1746.9
42.5°	1702.5	1808.2	1971.4	2109.4	2071.0	1910.2	1896.6	2004.6	1963.4	1919.8
45°	1758.1	1941.8	2261.9	2448.7	2332.3	2021.0	2015.8	2263.9	2240.7	2182.3
47.5°	1783.7	2076.6	2602.0	2884.9	2667.2	2118.2	2099.4	2640.0	2609.6	2540.8
50°	1812.2	2262.7	3011.7	3390.2	3071.7	2228.3	2241.9	2990.5	2977.7	2896.5
52.5°	1874.6	2459.5	3516.3	3968.0	3562.3	2400.7	2486.4	3321.0	3234.6	3141.0
55°	1968.2	2674.0	4041.2	4558.2	4062.8	2632.4	2750.8	3496.7	3254.2	3150.6
57.5°	1864.6	2727.6	4352.1	4970.3	4284.9	2633.2	2527.2	3192.2	2862.1	2761.6
60°	1479.7	2537.6	4232.5	4881.1	4095.6	2338.3	1935.0	2492.4	2168.3	2101.0
62.5°	1000.3	2128.2	3725.9	4128.1	3505.5	1839.4	1257.6	1620.9	1342.4	1286.8
65°	548.2	1587.7	3010.5	3123.0	2743.6	1284.8	647.0	703.4	535.8	511.0
67.5°	151.2	1105.1	2215.1	2071.8	1925.0	836.7	167.3	125.6	89.6	88.8
70°	38.0	731.0	1327.2	1368.0	1180.4	535.8	32.0	15.2	12.0	11.6
72.5°	16.0	314.5	629.8	723.8	604.2	248.1	11.6	4.4	3.6	2.8
75°	2.0	25.2	53.6	81.2	55.6	26.8	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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
85°	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
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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