

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: P629961

Luminaire Tested: GWS-SA1C-760-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629961  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-760-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

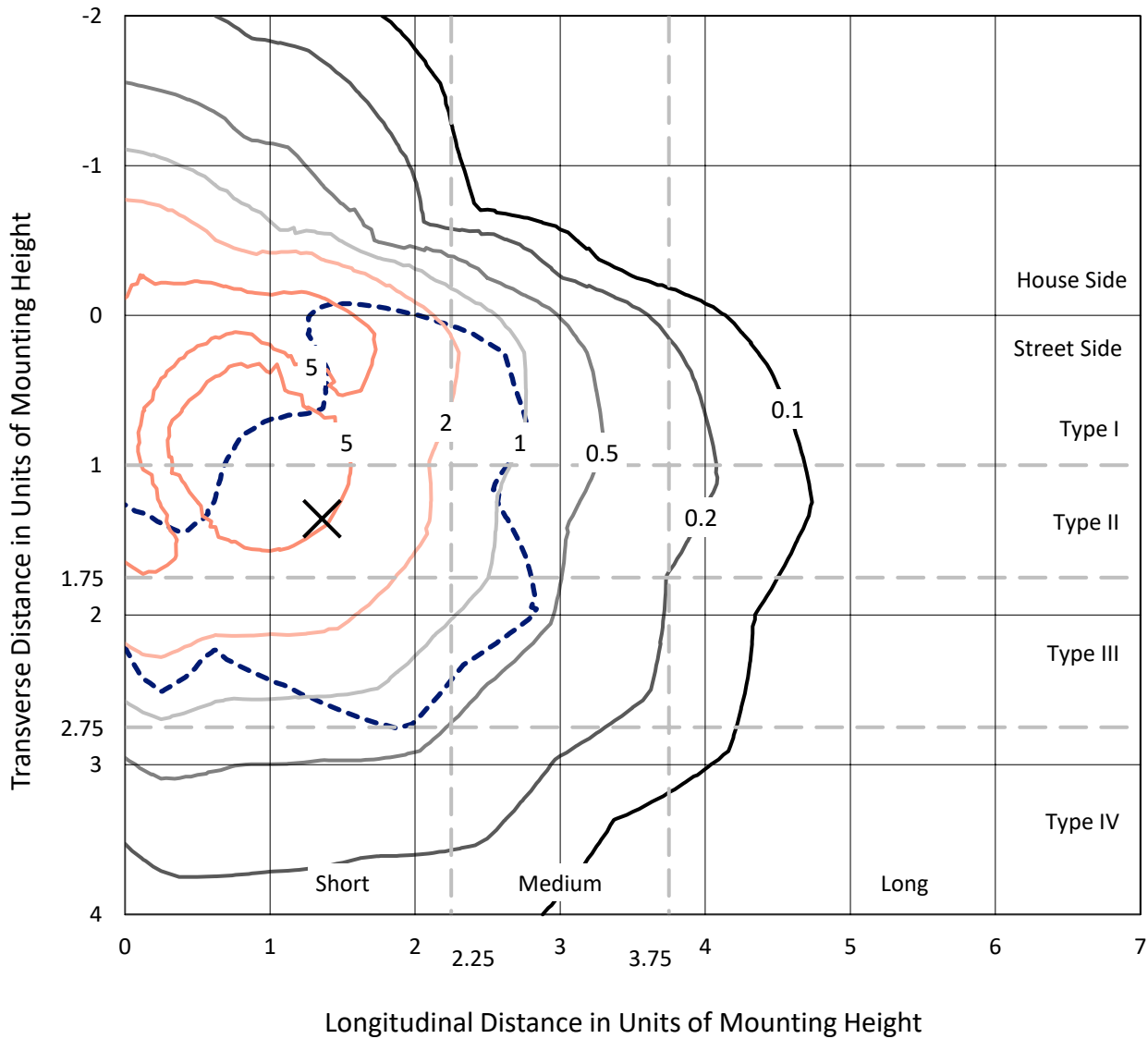
Lumens per Lamp: N/A  
Luminaire Lumens: 4591.6 lumens  
Efficiency: N/A  
Efficacy: 134.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

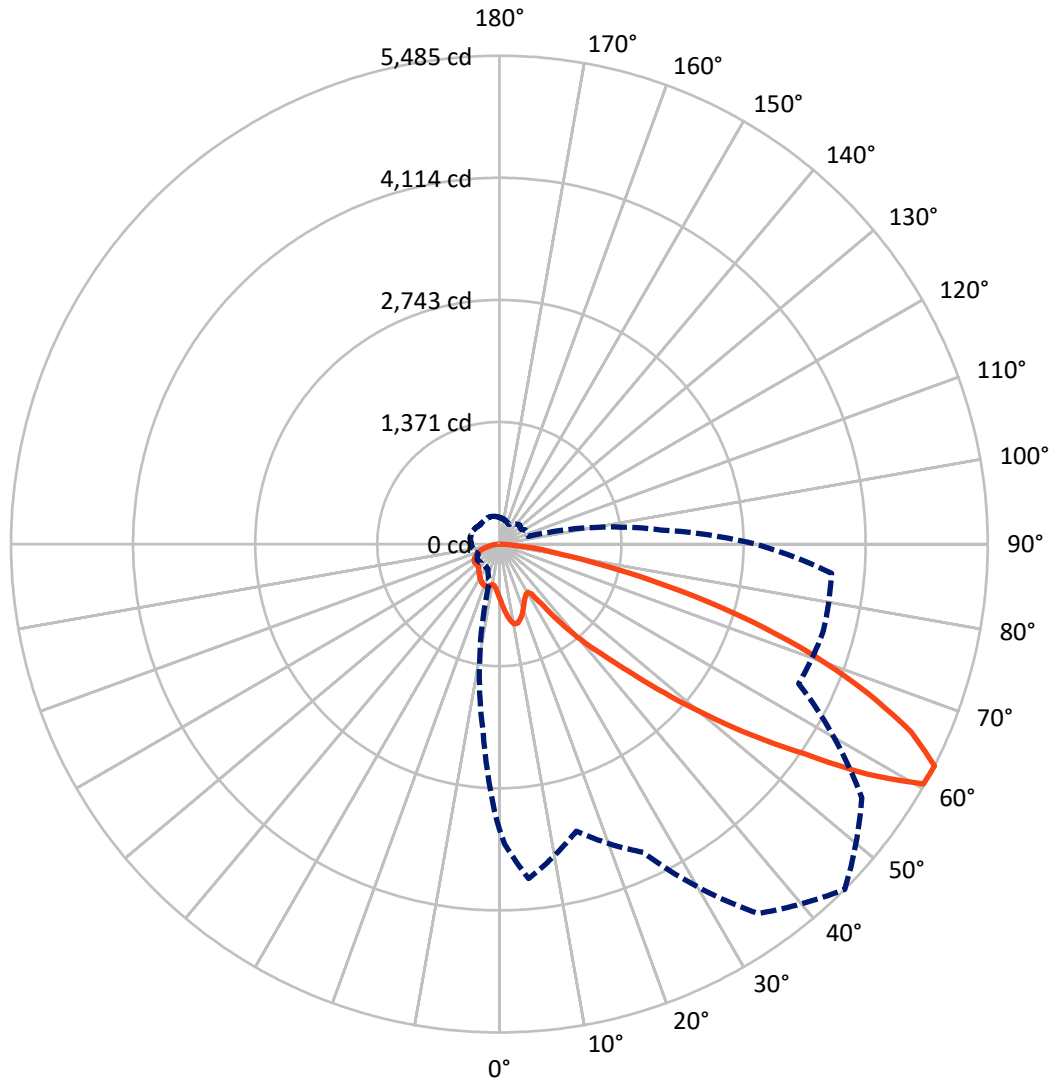
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc  
 Type III - 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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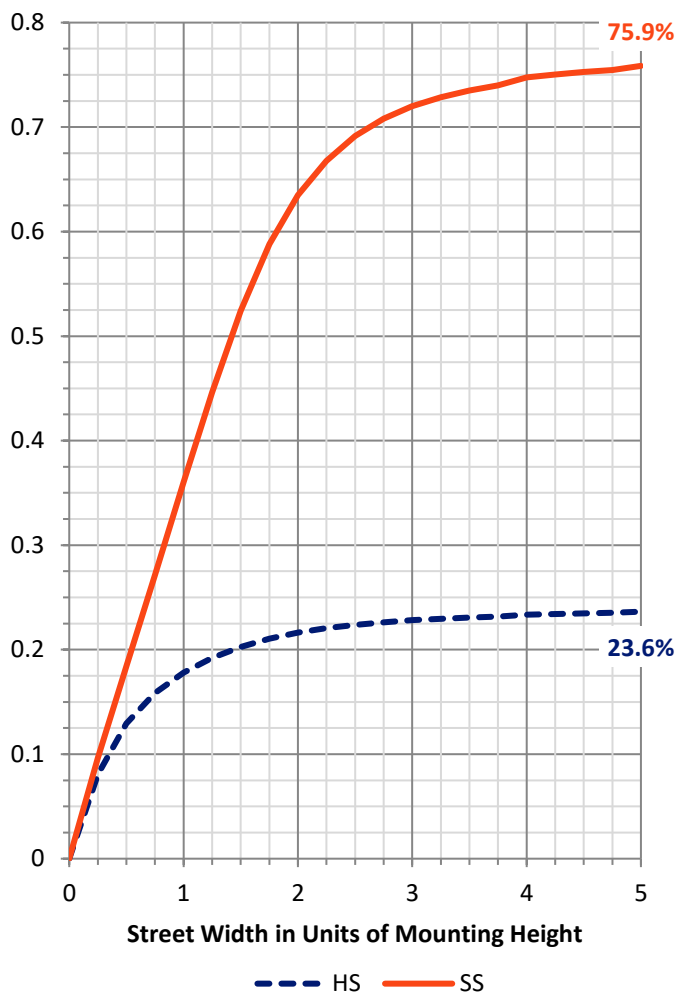
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1095.6	0.0	1095.6
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	3496.0	0.0	3496.0
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	4591.6	0.0	4591.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.5	1.3
10°-20°	186.6	4.1
20°-30°	289.8	6.3
30°-40°	393.5	8.6
40°-50°	623.6	13.6
50°-60°	1100.0	24.0
60°-70°	1223.9	26.7
70°-80°	620.7	13.5
80°-90°	94.0	2.0
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°	4591.6	100.0
0°-180°	4591.6	100.0

**Coefficient of Utilization**



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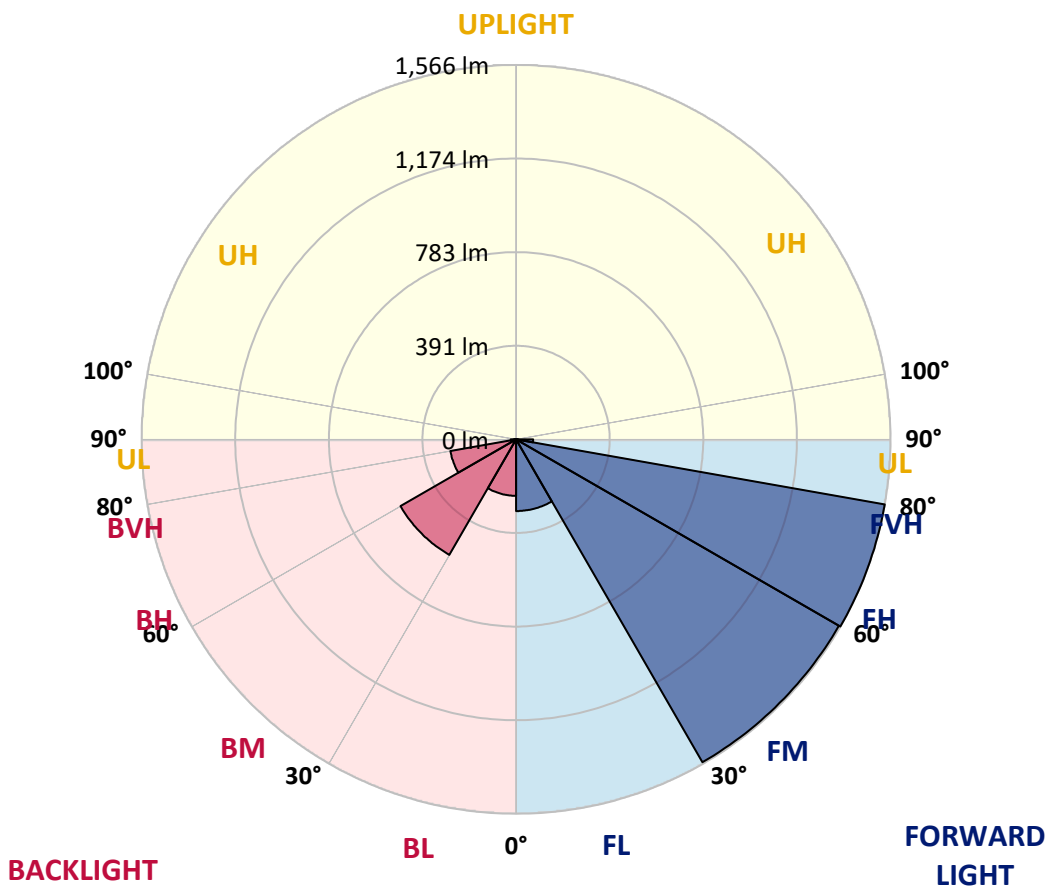
CATALOG NUMBER: GWS-SA1C-760-U-SLR-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	299.8	6.5			
FM (30°-60°)	1559.0	34.0			
FH (60°-80°)	1565.8	34.1			G1/1800
FVH (80°-90°)	71.3	1.6			G1/100
BL (0°-30°)	236.1	5.1	B1/500		
BM (30°-60°)	558.0	12.2	B1/1000		
BH (60°-80°)	278.9	6.1	B1/500		G1/500
BVH (80°-90°)	22.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4
2.5°	654.9	654.6	661.2	671.3	680.7	684.8	691.8	691.1	685.5	678.2	675.8
5°	706.4	707.8	719.3	741.5	766.2	776.6	781.1	779.4	769.3	756.4	733.9
7.5°	753.0	755.4	773.1	806.5	837.1	851.0	862.1	860.0	845.4	821.5	788.1
10°	787.0	789.8	811.0	850.3	884.4	896.5	910.8	911.5	898.6	866.3	832.2
12.5°	821.1	823.9	843.7	879.5	901.8	902.1	910.4	915.0	915.7	900.7	866.6
15°	856.6	859.0	877.1	897.2	896.2	876.7	876.7	885.4	904.5	915.3	891.7
17.5°	886.8	889.9	903.8	897.2	866.3	831.2	827.0	838.1	871.5	912.9	910.4
20°	911.8	914.3	921.9	878.1	821.8	775.9	767.9	780.8	826.0	897.9	924.7
22.5°	935.8	937.2	933.0	853.1	773.8	721.3	711.6	725.2	773.8	871.5	936.9
25°	964.3	962.9	943.1	827.0	730.0	678.2	668.1	683.4	734.2	836.4	950.1
27.5°	997.4	992.1	951.8	798.9	696.3	646.2	639.3	655.6	702.9	804.1	960.5
30°	1025.5	1015.4	953.2	773.8	678.9	632.7	628.5	643.8	687.6	782.2	973.7
32.5°	1056.8	1042.9	961.2	767.2	688.7	665.4	670.9	672.0	691.8	775.9	993.5
35°	1101.6	1083.6	983.1	786.3	788.8	828.1	848.2	821.1	754.7	789.8	1031.1
37.5°	1169.4	1146.5	1027.6	869.1	995.6	1083.6	1132.2	1070.4	945.9	842.3	1087.7
40°	1251.8	1222.6	1084.6	1022.0	1188.9	1329.7	1416.3	1325.5	1142.7	973.4	1167.3
42.5°	1366.9	1336.3	1195.2	1172.2	1367.9	1577.6	1690.5	1555.3	1316.1	1142.7	1294.9
45°	1567.5	1537.9	1397.8	1322.7	1577.6	1882.8	2041.3	1853.2	1492.4	1312.7	1533.4
47.5°	1938.0	1903.3	1698.9	1489.6	1816.7	2279.1	2500.9	2226.9	1675.6	1507.3	1933.9
50°	2383.0	2349.6	2076.8	1687.1	2080.9	2702.8	3011.2	2666.0	1886.6	1744.1	2412.6
52.5°	2918.4	2912.1	2615.9	1936.7	2355.9	3154.8	3577.5	3152.3	2117.8	2062.8	2954.9
55°	3400.9	3462.1	3300.8	2317.3	2711.2	3722.4	4159.8	3682.8	2431.3	2589.9	3590.0
57.5°	3660.9	3825.3	4073.2	3093.9	3227.8	4401.0	4878.3	4330.5	2970.2	3467.3	4178.9
60°	3489.2	3675.5	4124.7	3678.6	3740.2	4944.7	5471.4	4874.8	3499.3	4076.3	4145.5
62.5°	3203.4	3370.6	3770.1	3337.3	3819.4	5064.3	5485.3	4969.7	3709.6	3767.3	3744.7
65°	2864.5	3033.1	3456.2	2913.2	3567.4	4780.3	5080.6	4690.6	3331.7	3403.7	3412.0
67.5°	2414.3	2570.0	3000.8	2590.2	3251.8	4363.5	4459.4	4292.9	3068.2	3182.9	3063.0
70°	1803.9	1944.3	2324.6	2104.9	2741.1	3820.5	3743.0	3767.6	2772.4	2886.4	2558.6
72.5°	1232.7	1338.4	1664.5	1654.0	2099.0	3058.5	2950.4	3184.3	2315.6	2466.8	1950.6
75°	862.1	944.5	1203.2	1306.7	1586.6	2266.9	2101.1	2383.4	1808.4	2024.3	1423.2
77.5°	529.1	583.7	759.9	968.2	1020.6	1551.5	1305.0	1793.4	1269.9	1476.4	949.4
80°	264.5	291.0	369.2	608.7	676.8	914.3	720.6	1041.2	859.3	914.3	525.3
82.5°	80.0	88.3	108.1	231.2	350.8	526.3	425.8	604.9	469.3	428.6	206.8
85°	21.2	24.0	29.9	68.5	123.1	188.8	143.9	293.1	224.9	158.2	77.9
87.5°	1.7	1.7	1.4	1.4	0.7	0.0	0.0	20.9	42.1	24.0	13.6
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°	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4
2.5°	663.6	662.2	648.0	637.6	625.4	613.6	601.4	590.6	578.5	566.3	562.8
5°	717.2	707.4	677.2	651.8	626.8	604.9	585.8	565.9	550.0	534.3	528.4
7.5°	764.4	747.4	703.6	665.0	630.3	603.1	575.0	546.1	523.5	501.3	495.7
10°	807.2	784.6	729.3	680.7	642.1	611.1	578.1	539.5	506.8	479.7	472.4
12.5°	838.8	814.2	751.6	695.6	651.8	617.0	584.4	550.3	515.9	480.8	472.8
15°	863.9	838.1	770.0	707.1	652.2	607.3	575.7	563.9	553.1	518.7	504.1
17.5°	884.0	856.9	786.0	714.0	642.8	577.8	550.3	567.7	595.1	573.6	546.1
20°	902.5	875.0	798.2	718.9	621.9	537.1	521.8	558.6	600.0	599.3	574.6
22.5°	922.6	895.8	815.9	721.7	592.7	495.7	504.8	545.4	579.2	589.2	573.9
25°	948.3	924.7	840.6	727.9	559.7	467.2	492.2	528.4	556.6	559.0	550.0
27.5°	978.2	960.5	877.4	742.5	527.7	452.6	477.6	504.4	530.1	531.2	520.4
30°	1010.9	999.1	911.5	754.7	503.7	448.1	458.9	480.4	496.8	499.5	490.2
32.5°	1052.6	1042.2	941.7	746.7	489.5	447.1	441.5	452.6	466.2	466.2	458.9
35°	1110.0	1095.4	973.7	716.1	472.1	442.9	423.1	426.2	432.1	433.1	429.0
37.5°	1191.3	1167.3	1006.0	655.6	443.6	427.9	401.9	398.0	400.1	402.9	401.9
40°	1292.1	1252.9	1053.3	583.0	409.5	399.1	380.0	372.7	370.9	376.5	378.6
42.5°	1419.0	1358.9	1104.1	515.2	378.6	366.1	354.2	348.0	345.2	354.6	360.1
45°	1621.7	1522.6	1152.7	448.1	361.2	337.9	329.9	325.4	326.8	337.9	344.9
47.5°	1971.8	1772.6	1199.0	405.7	359.8	317.7	308.0	309.0	312.9	324.7	333.0
50°	2414.7	2107.3	1229.9	388.0	364.0	305.6	292.7	298.3	304.2	315.6	325.4
52.5°	2865.5	2419.2	1193.1	378.2	363.6	305.9	278.5	295.1	297.9	309.4	319.8
55°	3175.6	2453.9	1030.7	363.3	358.1	319.8	267.3	293.7	295.5	305.9	315.3
57.5°	3293.8	2335.0	786.0	367.4	341.4	330.6	262.5	284.0	296.5	305.6	315.3
60°	3150.9	2110.8	477.6	378.2	314.6	329.9	265.6	266.3	287.8	303.1	312.9
62.5°	2881.5	1823.0	335.5	347.6	295.1	311.5	272.9	245.4	272.5	291.0	299.7
65°	2572.8	1484.4	255.9	299.3	285.8	283.0	275.3	227.0	251.7	269.8	277.4
67.5°	2251.3	1153.8	207.9	223.2	258.3	255.9	251.7	210.7	227.0	239.9	248.6
70°	1846.3	807.2	175.6	167.6	221.4	229.4	220.1	190.2	195.4	208.6	215.5
72.5°	1350.6	503.0	144.3	138.4	178.0	200.6	195.7	167.6	170.0	182.5	188.1
75°	971.3	287.8	115.8	114.0	135.9	171.7	162.0	144.3	147.0	156.4	160.3
77.5°	617.4	160.3	89.3	91.8	97.3	128.3	138.4	123.4	123.4	129.0	132.1
80°	330.6	91.8	65.4	66.4	68.1	98.0	109.2	95.6	95.6	91.8	95.6
82.5°	134.9	52.8	44.8	41.7	45.5	67.1	76.5	60.8	63.6	57.4	58.7
85°	44.5	26.4	22.2	21.9	21.6	29.5	36.8	30.2	36.2	22.9	24.0
87.5°	5.9	4.9	2.8	2.1	2.4	1.0	2.1	2.4	2.4	1.7	1.7
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°	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4
2.5°	560.4	557.6	547.5	550.0	548.2	545.4	548.2	543.0	547.2	548.6	557.3
5°	523.9	517.3	507.5	502.7	501.6	498.9	499.2	496.8	497.5	503.4	513.1
7.5°	491.2	484.9	477.3	473.8	470.7	467.6	467.2	466.9	469.7	474.9	484.3
10°	467.6	464.1	461.0	462.4	461.0	459.6	457.1	457.1	461.7	471.0	482.5
12.5°	467.6	466.9	467.6	471.7	471.4	471.7	468.6	470.3	482.9	498.9	515.2
15°	492.6	487.0	487.0	489.1	488.4	488.4	488.4	495.7	524.2	548.9	566.3
17.5°	523.2	506.8	499.9	498.9	498.5	498.5	499.9	515.5	560.0	586.1	596.2
20°	544.4	513.5	502.0	497.5	497.8	498.5	502.7	524.2	573.2	586.5	584.0
22.5°	548.2	508.2	494.3	487.7	488.8	489.5	495.7	518.7	555.2	557.3	552.4
25°	530.5	493.6	478.7	473.5	474.9	474.5	480.1	496.8	522.8	522.1	519.4
27.5°	504.1	470.3	459.2	455.7	458.2	455.4	457.1	470.0	490.2	489.5	488.4
30°	477.0	447.8	437.7	435.9	439.1	434.9	435.2	446.0	459.9	459.2	458.9
32.5°	449.8	425.2	416.1	416.1	419.2	414.7	415.4	424.8	434.2	431.4	431.4
35°	424.1	406.7	399.4	398.0	400.5	397.3	398.7	407.4	410.9	407.1	404.6
37.5°	401.5	393.9	386.6	381.7	382.0	382.4	386.6	393.2	391.1	385.5	382.4
40°	380.7	380.7	373.7	364.7	363.6	366.1	373.0	380.3	374.4	368.1	364.3
42.5°	365.7	368.8	362.2	353.2	351.1	355.3	362.9	368.1	361.2	354.2	349.0
45°	351.8	359.5	354.9	344.9	342.1	346.9	356.7	358.8	349.4	342.8	338.9
47.5°	342.1	352.5	349.4	339.6	335.5	342.4	352.5	352.2	340.3	333.4	330.3
50°	335.1	348.3	348.0	339.6	335.1	343.8	352.8	348.3	335.5	328.2	325.0
52.5°	329.6	348.0	350.4	345.5	342.4	350.1	355.6	346.9	332.0	324.3	321.9
55°	327.1	349.4	351.1	346.6	343.8	350.8	355.6	349.7	332.0	325.0	323.0
57.5°	327.8	347.6	348.0	341.7	336.9	345.5	353.2	351.5	335.8	327.8	325.4
60°	323.6	338.2	338.9	329.2	323.6	334.1	347.6	346.6	334.1	325.7	321.2
62.5°	309.7	322.6	323.0	313.9	305.9	320.9	335.8	335.5	324.0	315.6	310.4
65°	286.4	300.0	303.5	294.8	288.5	304.5	320.2	319.5	308.0	300.4	295.1
67.5°	257.6	272.2	278.8	272.9	270.5	285.1	299.7	299.3	289.9	282.6	278.1
70°	222.5	234.7	245.8	245.8	244.0	260.7	276.4	275.0	266.3	260.7	257.2
72.5°	193.3	202.7	206.1	209.6	214.8	232.2	245.4	246.5	240.2	237.4	240.2
75°	164.4	170.3	173.5	170.7	179.7	197.8	215.2	216.9	210.3	205.8	206.8
77.5°	135.2	141.8	145.0	138.7	138.0	161.0	182.2	186.0	180.4	173.5	175.6
80°	97.7	106.4	111.6	107.4	106.0	116.1	145.3	149.5	144.3	138.7	141.8
82.5°	59.8	64.7	66.1	70.2	78.9	83.1	93.5	107.4	103.6	98.7	107.4
85°	23.6	28.2	31.3	35.5	41.4	49.0	57.7	68.8	62.6	60.5	71.3
87.5°	1.4	0.3	0.0	0.7	5.9	11.5	24.7	34.1	28.5	30.6	36.8
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4	609.4
2.5°	564.2	573.2	585.4	595.5	608.4	620.5	633.0	645.6	652.2	654.9
5°	524.2	540.9	560.4	581.9	607.0	633.4	660.2	687.6	705.0	706.4
7.5°	500.2	524.2	551.0	578.1	609.1	645.6	688.0	730.4	748.1	753.0
10°	507.9	534.7	555.9	581.2	615.3	660.8	710.9	760.6	781.1	787.0
12.5°	538.5	543.7	550.3	573.6	615.3	674.1	734.5	793.6	815.5	821.1
15°	563.9	538.8	527.0	551.7	607.0	685.5	759.6	824.9	851.4	856.6
17.5°	565.9	522.8	497.1	519.4	592.4	693.5	783.6	859.7	881.9	886.8
20°	544.7	505.8	472.4	486.0	572.6	697.0	800.9	885.1	907.0	911.8
22.5°	520.8	491.9	455.7	455.1	548.6	700.8	821.8	909.1	932.7	935.8
25°	498.2	472.8	442.2	432.5	520.8	708.1	850.0	945.2	963.3	964.3
27.5°	471.7	452.3	431.4	422.0	496.4	722.0	891.7	988.3	999.1	997.4
30°	447.8	433.1	423.8	421.0	481.1	732.5	931.3	1030.7	1031.4	1025.5
32.5°	422.4	416.8	416.8	425.8	468.6	730.0	963.6	1072.1	1065.5	1056.8
35°	399.8	400.8	408.1	429.3	447.8	705.7	994.6	1123.9	1114.2	1101.6
37.5°	378.2	386.2	396.6	417.2	420.3	669.5	1030.7	1197.2	1185.1	1169.4
40°	359.8	372.0	384.1	394.2	391.1	618.1	1081.1	1283.5	1269.9	1251.8
42.5°	345.2	357.0	370.6	371.6	372.7	564.6	1134.7	1389.1	1386.7	1366.9
45°	335.8	343.5	356.3	354.6	371.6	505.5	1184.0	1550.4	1582.4	1567.5
47.5°	329.6	335.5	336.9	344.2	380.7	452.6	1247.7	1866.1	1955.1	1938.0
50°	326.1	332.0	316.3	344.9	382.0	418.5	1335.6	2262.4	2405.6	2383.0
52.5°	325.7	324.3	300.7	352.2	374.4	397.7	1381.5	2551.6	2869.4	2918.4
55°	326.4	309.0	292.7	354.2	359.1	390.0	1227.8	2690.7	3297.3	3400.9
57.5°	320.2	292.4	297.2	345.9	330.3	410.6	907.7	2641.0	3468.3	3660.9
60°	308.3	276.4	305.6	323.3	300.7	375.4	625.0	2419.2	3291.0	3489.2
62.5°	291.3	265.2	304.5	294.1	289.9	307.3	429.7	2108.7	3009.8	3203.4
65°	272.2	256.2	288.2	265.9	268.4	236.4	303.8	1758.3	2674.0	2864.5
67.5°	251.7	250.6	264.2	236.7	226.7	187.4	221.4	1409.3	2242.6	2414.3
70°	228.4	236.0	240.2	210.3	183.9	147.0	164.4	985.5	1654.4	1803.9
72.5°	205.1	205.8	211.7	182.9	137.7	117.8	123.4	596.9	1123.9	1232.7
75°	181.5	174.9	180.4	148.8	102.6	96.6	95.3	368.8	776.3	862.1
77.5°	156.1	148.8	141.5	111.9	82.4	74.7	73.0	206.8	476.3	529.1
80°	126.9	117.2	105.7	82.0	60.1	53.5	53.2	100.8	237.4	264.5
82.5°	98.7	80.3	77.2	51.1	37.2	32.7	34.8	38.6	71.6	80.0
85°	69.2	58.4	41.0	20.5	16.7	13.6	13.2	11.5	19.1	21.2
87.5°	38.6	25.4	13.2	2.4	2.8	3.1	2.4	1.7	1.7	1.7
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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