

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: P629299

Luminaire Tested: GWS-SA1B-735-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629299  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-735-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

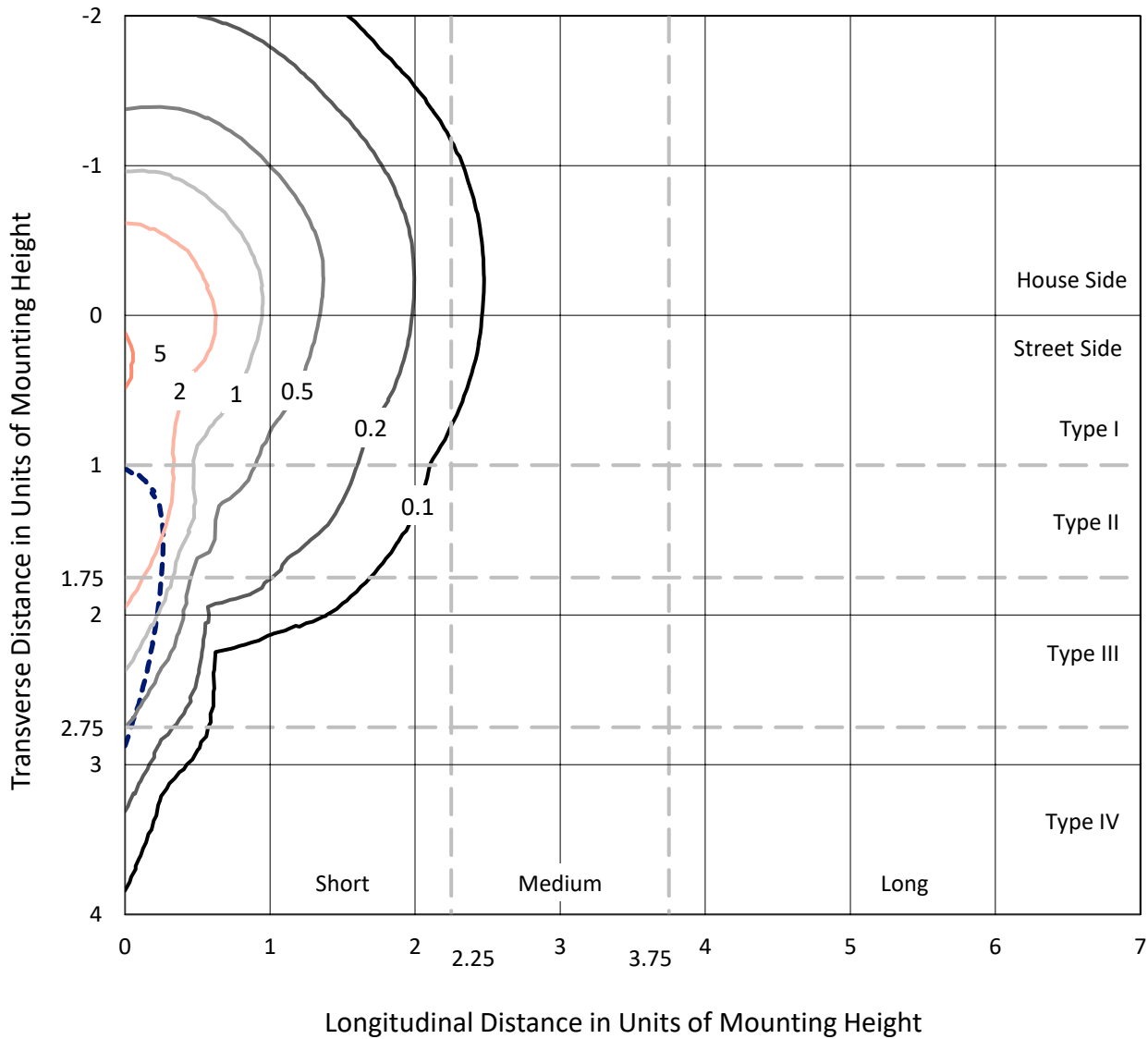
Lumens per Lamp: N/A  
Luminaire Lumens: 3313 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

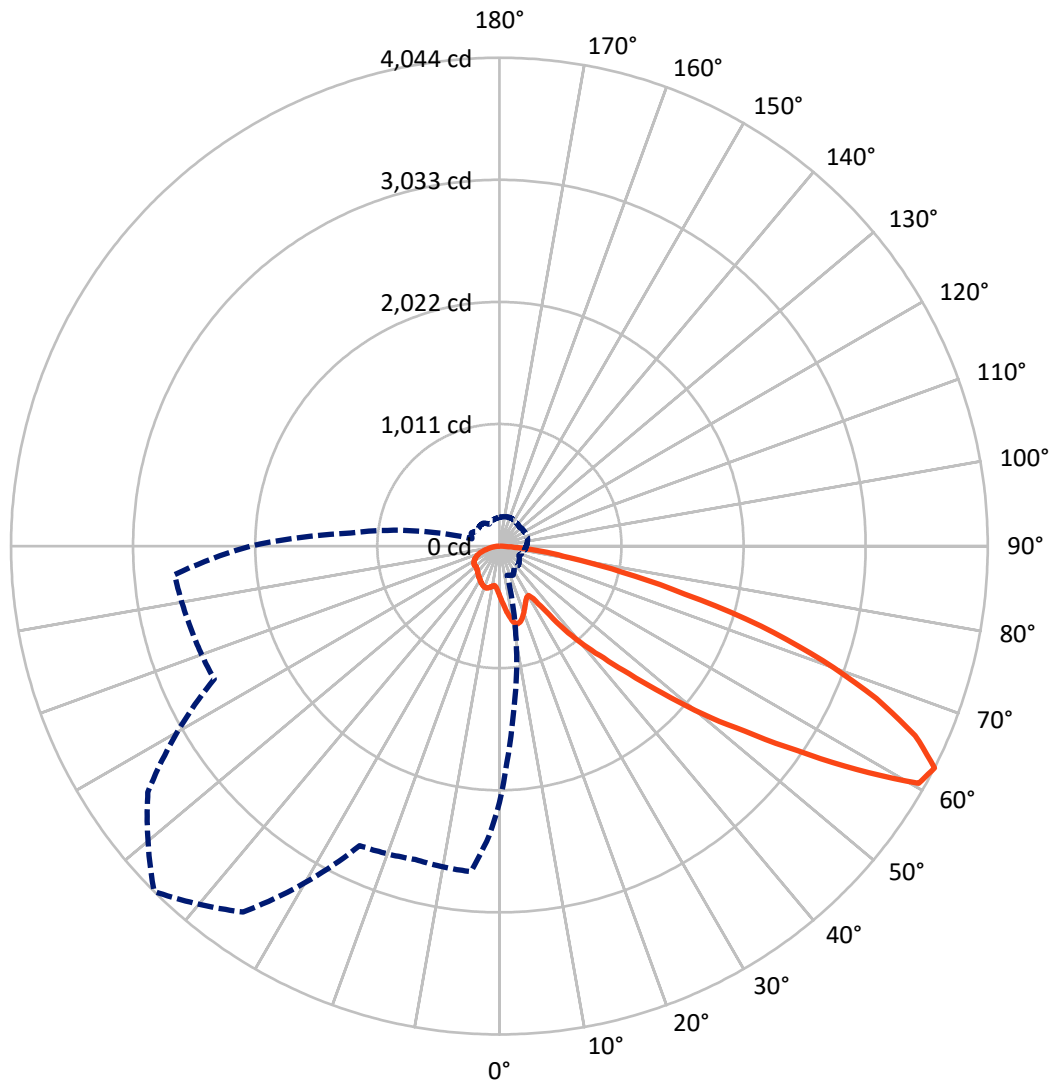
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	792.1	0.0	792.1
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	2520.9	0.0	2520.9
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	3313.0	0.0	3313.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.7	1.2
10°-20°	132.3	4.0
20°-30°	208.2	6.3
30°-40°	285.4	8.6
40°-50°	445.3	13.4
50°-60°	767.7	23.2
60°-70°	889.7	26.9
70°-80°	469.6	14.2
80°-90°	74.2	2.2
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°	3313.0	100.0
0°-180°	3313.0	100.0

**Coefficient of Utilization**



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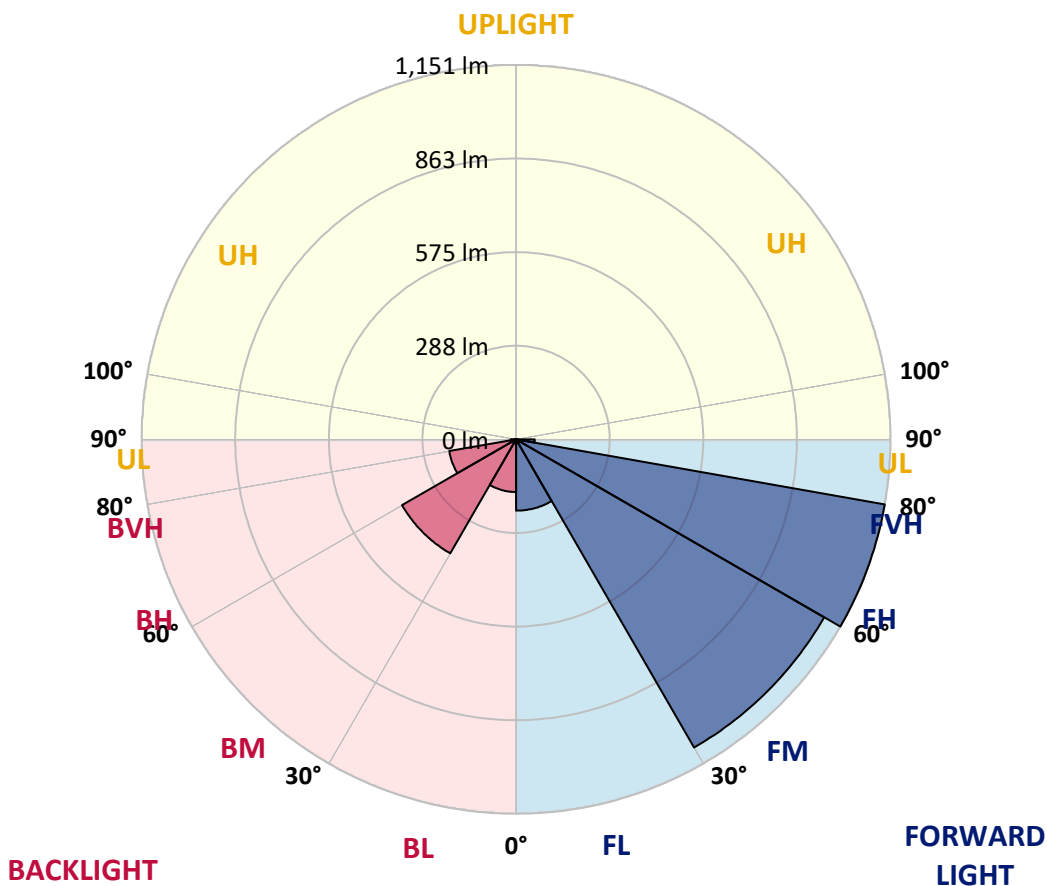
CATALOG NUMBER: GWS-SA1B-735-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.1	6.6			
FM (30°-60°)	1093.7	33.0			
FH (60°-80°)	1150.7	34.7			G1/1800
FVH (80°-90°)	57.3	1.7			G1/100
BL (0°-30°)	162.0	4.9	B1/500		
BM (30°-60°)	404.6	12.2	B1/1000		
BH (60°-80°)	208.6	6.3	B1/500		G1/500
BVH (80°-90°)	16.9	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°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1
2.5°	448.8	447.0	444.5	435.9	430.5	424.5	418.1	410.8	402.4	396.6	390.8
5°	486.8	484.0	477.9	457.4	443.2	427.8	414.8	400.1	385.7	375.8	365.9
7.5°	523.3	519.7	510.4	478.9	455.9	433.6	414.1	392.8	371.2	356.6	344.9
10°	559.8	552.4	540.5	499.5	469.1	443.2	420.9	394.8	366.2	346.2	333.7
12.5°	587.7	580.8	567.9	518.2	482.2	449.8	424.7	400.6	376.3	355.0	342.4
15°	613.8	604.9	590.2	535.7	493.1	449.6	417.1	396.1	392.5	387.2	370.7
17.5°	632.5	624.4	609.2	549.9	499.2	441.7	396.1	383.7	399.6	415.9	400.1
20°	649.0	639.6	624.2	559.8	500.5	424.2	370.5	370.7	395.8	418.1	414.3
22.5°	662.9	652.5	638.9	570.9	500.0	399.9	348.2	363.4	388.5	406.0	406.5
25°	680.2	671.5	660.1	587.4	500.0	375.1	332.0	354.5	376.1	390.8	390.3
27.5°	701.2	695.4	686.0	612.5	504.5	354.3	322.8	343.1	360.1	372.8	372.5
30°	724.8	719.4	712.3	639.1	512.4	338.8	317.8	328.9	341.3	351.5	351.5
32.5°	748.8	746.8	739.2	660.4	506.3	334.0	313.5	314.7	321.3	329.7	328.9
35°	782.3	780.3	770.6	676.9	480.0	327.2	306.6	300.3	301.1	306.4	308.1
37.5°	831.2	828.2	814.0	696.1	440.2	309.9	295.5	285.1	282.8	285.1	288.4
40°	890.2	885.7	866.4	722.2	394.3	286.6	278.0	269.4	265.6	266.3	270.1
42.5°	964.2	954.6	927.0	749.8	348.9	266.1	258.5	253.2	248.9	248.3	255.7
45°	1084.4	1058.0	1014.2	774.4	310.7	255.2	241.0	237.2	233.6	235.7	244.3
47.5°	1294.2	1245.5	1160.1	795.5	287.4	255.4	227.1	223.0	222.7	226.8	236.4
50°	1582.6	1512.4	1380.6	809.7	275.2	258.5	218.7	212.1	216.9	221.0	230.1
52.5°	1858.8	1751.6	1594.7	809.4	269.9	259.0	221.0	202.0	216.9	217.9	226.6
55°	2094.7	1900.6	1652.5	726.3	262.3	257.0	229.8	194.1	214.1	217.9	224.8
57.5°	2282.2	1995.4	1648.2	586.7	285.3	245.8	235.2	192.3	206.0	218.4	226.3
60°	2261.5	1952.0	1542.0	360.1	283.1	226.0	234.4	195.6	192.3	211.6	224.5
62.5°	2123.3	1796.7	1359.3	249.9	265.8	214.6	222.0	201.5	179.7	201.7	215.9
65°	1930.0	1596.2	1132.8	191.6	220.2	215.1	201.0	197.4	168.5	186.0	201.2
67.5°	1674.3	1347.6	894.3	151.8	153.6	186.3	182.5	175.4	158.1	172.1	185.8
70°	1258.7	983.5	615.3	122.1	116.3	155.6	164.0	157.6	148.0	152.0	166.5
72.5°	886.9	642.1	337.0	96.8	89.7	119.6	142.4	141.4	130.8	133.8	148.0
75°	659.1	454.4	210.6	76.5	73.0	85.7	119.4	122.4	113.5	117.1	128.0
77.5°	438.7	294.2	117.1	56.8	56.8	62.6	88.9	103.1	96.6	99.3	106.9
80°	242.0	149.8	58.5	37.3	38.3	43.1	64.9	74.2	74.5	81.3	83.4
82.5°	76.5	47.6	26.1	21.8	20.5	24.6	41.8	53.2	49.7	63.4	58.3
85°	17.5	11.2	4.8	4.8	5.3	8.1	16.0	28.4	36.2	43.6	31.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	11.2	16.5	14.7
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1
2.5°	387.2	382.1	380.6	376.3	375.8	371.8	370.2	370.2	372.0	372.0	373.8
5°	361.9	355.5	352.0	346.9	345.7	342.6	340.6	340.8	343.1	344.6	347.7
7.5°	339.6	335.3	332.7	330.4	329.9	329.4	327.2	326.9	327.7	329.9	332.2
10°	330.2	327.2	327.9	329.7	332.5	334.0	332.0	331.0	330.2	331.7	333.7
12.5°	339.3	336.3	337.8	340.8	344.6	346.2	345.4	345.1	345.9	351.7	356.0
15°	359.3	353.5	351.5	352.8	355.8	357.3	356.6	357.6	362.4	377.6	388.5
17.5°	384.2	370.0	361.9	359.6	360.9	362.1	362.1	364.7	373.0	395.3	409.0
20°	397.6	379.1	365.4	359.8	360.4	361.6	361.6	365.2	374.5	398.4	407.2
22.5°	394.1	377.1	360.4	354.3	354.5	355.5	355.5	358.6	366.9	388.0	392.0
25°	380.1	365.2	348.7	343.4	343.9	345.7	345.1	346.9	353.3	370.5	372.8
27.5°	363.4	350.2	334.0	329.9	332.2	335.8	332.7	333.0	338.8	353.3	353.5
30°	345.4	334.5	320.1	317.0	321.3	323.1	320.3	320.3	326.1	336.0	335.8
32.5°	325.9	319.0	308.7	305.4	310.2	313.0	309.4	309.9	314.5	321.1	318.5
35°	307.6	304.1	299.3	297.0	300.0	302.6	300.3	301.3	305.6	307.4	303.8
37.5°	290.2	289.7	290.2	290.2	290.9	291.7	290.2	292.7	296.5	294.2	290.2
40°	275.0	277.0	281.8	280.5	279.8	280.5	279.5	283.8	287.6	283.6	278.8
42.5°	262.3	266.1	273.4	273.4	271.9	272.4	271.9	277.2	280.0	274.4	269.1
45°	251.4	257.0	266.3	267.6	265.1	265.1	266.1	272.7	273.7	266.1	260.5
47.5°	243.8	250.6	261.3	263.5	259.7	259.5	262.3	269.4	269.4	260.5	254.2
50°	238.5	246.1	258.7	261.8	258.0	257.0	261.5	268.4	266.8	256.2	249.9
52.5°	234.9	242.8	258.5	262.8	260.3	259.2	263.8	268.6	264.8	253.4	246.8
55°	232.6	241.2	259.2	262.8	260.0	258.2	262.8	267.1	265.1	251.9	245.6
57.5°	233.9	242.5	258.2	260.0	256.7	253.7	259.0	265.1	264.3	252.4	246.1
60°	231.9	239.7	252.7	253.2	247.6	242.8	250.6	259.7	259.7	250.6	245.0
62.5°	222.5	230.4	241.8	242.3	235.9	230.6	239.7	250.6	250.4	243.0	237.2
65°	207.0	214.4	227.3	228.6	222.2	216.7	226.0	236.2	236.9	230.4	225.3
67.5°	190.1	196.6	206.3	211.3	206.0	200.2	208.8	218.4	218.2	210.3	205.0
70°	169.8	175.9	184.7	189.0	185.8	180.2	188.0	193.1	190.8	187.0	183.5
72.5°	149.8	155.6	164.0	164.0	160.4	155.1	157.4	166.5	169.3	166.5	164.2
75°	128.7	133.8	139.6	140.9	133.0	123.4	134.1	141.9	145.2	143.9	141.2
77.5°	107.2	111.0	119.6	117.3	102.6	97.6	106.2	117.8	120.1	119.4	115.6
80°	82.6	84.9	94.0	89.5	78.1	74.8	78.6	87.7	88.2	85.7	80.8
82.5°	55.5	58.5	64.6	55.8	55.5	52.5	49.4	50.4	55.0	54.5	51.2
85°	28.4	29.9	35.7	33.5	28.6	24.8	23.6	25.1	22.6	20.5	17.7
87.5°	11.9	12.9	17.7	9.9	3.0	0.0	0.0	1.5	2.3	3.3	3.5
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°	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1
2.5°	377.8	380.6	387.5	396.1	404.4	413.1	422.4	428.3	435.4	444.5	444.7
5°	351.5	357.8	367.7	380.9	394.6	410.3	428.5	443.7	462.0	476.4	482.2
7.5°	335.3	344.4	356.8	373.5	391.5	411.0	434.9	460.5	490.4	509.6	521.0
10°	336.8	350.7	363.1	377.3	393.5	414.6	445.2	479.2	515.9	541.3	555.5
12.5°	363.9	378.6	376.3	375.6	386.5	412.0	453.6	498.2	543.1	568.4	585.4
15°	398.1	403.7	382.1	365.9	372.5	402.9	458.2	515.2	565.6	596.5	613.3
17.5°	415.6	404.4	378.3	354.0	352.2	389.0	460.5	532.4	591.0	621.9	639.6
20°	407.5	391.3	369.2	346.2	333.5	370.0	459.2	546.1	614.0	648.5	662.9
22.5°	390.0	375.8	358.6	336.5	318.3	349.2	455.9	559.8	634.5	669.3	681.9
25°	371.0	360.4	346.2	326.9	309.7	331.0	453.6	578.0	658.1	691.3	699.4
27.5°	352.0	344.1	332.5	317.5	307.6	318.3	454.4	601.9	688.5	719.9	716.7
30°	333.2	326.4	318.3	311.7	307.4	315.2	452.3	627.2	722.0	751.1	731.6
32.5°	315.5	309.2	304.1	305.1	307.6	316.5	442.0	650.3	752.6	777.5	747.8
35°	300.3	293.7	293.7	297.3	306.6	312.2	415.1	668.2	786.6	811.4	770.9
37.5°	286.1	280.3	284.1	289.9	298.8	300.5	380.6	685.7	836.0	859.3	806.6
40°	273.7	267.9	274.7	282.0	286.6	285.8	345.7	710.1	894.3	918.4	854.0
42.5°	263.8	258.5	264.6	273.9	274.7	275.5	320.1	733.4	962.0	992.6	935.6
45°	255.7	251.9	254.9	264.3	264.3	276.0	304.1	752.9	1063.8	1118.1	1085.4
47.5°	249.4	247.1	248.6	251.6	256.7	285.1	294.0	767.8	1249.3	1355.8	1322.8
50°	245.8	243.5	245.6	239.2	254.4	289.7	290.7	779.2	1493.9	1660.6	1619.8
52.5°	242.8	242.0	243.3	228.6	259.5	286.6	288.1	764.0	1657.8	1960.7	2000.9
55°	241.8	242.3	236.2	220.7	265.6	276.5	280.5	655.3	1702.4	2219.4	2469.5
57.5°	242.3	240.7	225.3	221.5	265.8	256.2	291.4	467.5	1637.6	2331.9	2927.9
60°	240.5	232.9	212.1	228.3	254.2	232.4	283.6	304.9	1466.5	2245.5	2954.5
62.5°	232.6	221.5	200.7	232.1	233.4	218.2	257.5	234.9	1238.4	2060.5	2698.1
65°	221.2	206.3	191.1	224.3	212.4	211.6	193.6	188.3	995.9	1840.3	2454.8
67.5°	202.5	187.5	184.0	206.3	191.1	187.5	155.6	156.1	794.7	1605.6	2210.3
70°	181.2	166.2	169.0	186.5	170.0	155.8	125.9	130.0	602.9	1337.8	1880.6
72.5°	167.3	147.2	147.5	164.2	149.5	126.2	103.6	107.2	382.7	1008.3	1495.1
75°	141.2	129.7	124.2	133.0	127.0	98.3	87.2	86.4	226.8	722.7	1119.6
77.5°	117.8	109.0	106.2	109.7	94.8	72.7	70.2	68.9	128.5	463.0	733.6
80°	85.4	83.1	82.9	84.6	73.0	53.5	53.5	53.7	69.2	251.4	413.6
82.5°	54.2	59.3	52.5	58.3	49.7	38.0	35.5	40.3	39.8	107.2	174.3
85°	22.6	30.9	28.9	30.7	23.6	20.8	22.3	24.1	23.1	41.3	67.9
87.5°	4.3	5.1	5.6	5.3	5.3	6.6	7.3	8.9	8.9	11.9	20.5
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°	358°	360°
0°	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1
2.5°	454.4	461.7	460.2	463.5	459.2	460.7	452.1	449.8	448.3	448.8
5°	501.0	515.9	518.7	524.3	520.5	520.5	505.3	493.9	489.8	486.8
7.5°	548.4	569.9	584.1	585.6	583.6	579.6	557.5	537.0	529.6	523.3
10°	590.5	616.3	632.3	639.9	636.1	629.7	602.4	574.2	565.4	559.8
12.5°	622.6	645.4	656.1	661.2	660.6	658.4	636.1	605.7	596.3	587.7
15°	643.4	654.8	650.8	650.5	654.1	663.2	656.3	632.5	621.6	613.8
17.5°	656.8	645.9	628.0	619.6	627.2	648.7	664.4	651.0	641.1	632.5
20°	661.7	622.9	596.8	581.3	590.2	621.4	660.1	664.4	656.1	649.0
22.5°	656.1	594.8	559.3	541.0	549.7	586.9	647.5	675.3	669.8	662.9
25°	642.4	565.4	522.8	506.3	515.7	553.7	624.9	685.5	685.7	680.2
27.5°	625.4	538.2	497.2	481.7	490.9	526.3	602.9	694.4	703.2	701.2
30°	608.2	522.0	485.0	474.1	481.0	512.4	580.3	703.5	721.2	724.8
32.5°	600.3	529.9	513.7	518.5	509.6	520.5	572.2	716.4	743.0	748.8
35°	610.7	599.6	640.6	659.6	628.2	586.9	582.6	735.9	773.7	782.3
37.5°	661.2	748.8	810.2	877.1	822.6	731.6	634.0	769.1	817.5	831.2
40°	770.9	879.1	989.8	1076.2	993.9	871.5	731.9	818.5	877.8	890.2
42.5°	874.3	1001.2	1153.8	1265.5	1158.6	985.8	837.3	901.6	957.4	964.2
45°	975.6	1121.1	1352.2	1507.6	1362.3	1094.5	945.0	1042.0	1084.1	1084.4
47.5°	1094.5	1256.2	1601.1	1822.3	1632.7	1214.9	1046.1	1264.3	1322.8	1294.2
50°	1236.7	1390.5	1857.3	2188.5	1962.4	1362.9	1174.6	1535.2	1615.0	1582.6
52.5°	1427.0	1538.5	2139.6	2545.5	2321.8	1531.4	1360.8	1893.0	1919.3	1858.8
55°	1694.8	1752.1	2501.9	2986.5	2722.9	1738.9	1633.2	2342.0	2268.3	2094.7
57.5°	2304.8	2090.1	2967.2	3489.5	3176.8	2116.0	2230.3	2837.2	2574.9	2282.2
60°	2815.2	2500.7	3397.8	3988.7	3565.8	2531.6	2790.8	2923.4	2563.5	2261.5
62.5°	2643.1	2605.3	3553.1	4043.7	3698.6	2736.1	2686.7	2706.2	2396.3	2123.3
65°	2319.0	2403.4	3414.5	3782.9	3551.3	2552.9	2430.2	2505.5	2204.9	1930.0
67.5°	2127.7	2189.7	3167.9	3365.6	3283.7	2354.7	2230.8	2176.3	1907.9	1674.3
70°	1932.0	1983.5	2821.7	2841.8	2866.3	2025.3	1824.1	1661.9	1422.2	1258.7
72.5°	1669.5	1672.3	2384.1	2268.0	2314.7	1584.8	1468.3	1242.5	1035.2	886.9
75°	1400.6	1324.1	1887.2	1585.3	1678.9	1232.9	1219.2	936.4	780.8	659.1
77.5°	1067.9	978.4	1378.6	1042.5	1179.1	821.1	916.6	635.1	549.4	438.7
80°	716.9	661.2	761.8	588.4	771.4	565.9	597.8	359.8	312.0	242.0
82.5°	378.1	322.8	470.8	348.9	465.3	310.9	224.3	111.2	94.8	76.5
85°	146.5	169.5	230.9	124.2	180.4	111.0	64.9	27.6	23.1	17.5
87.5°	28.4	43.8	24.1	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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