

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: P629303

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629303
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-SA1B-735-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3347 lumens
Efficiency: N/A
Efficacy: 133.9 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

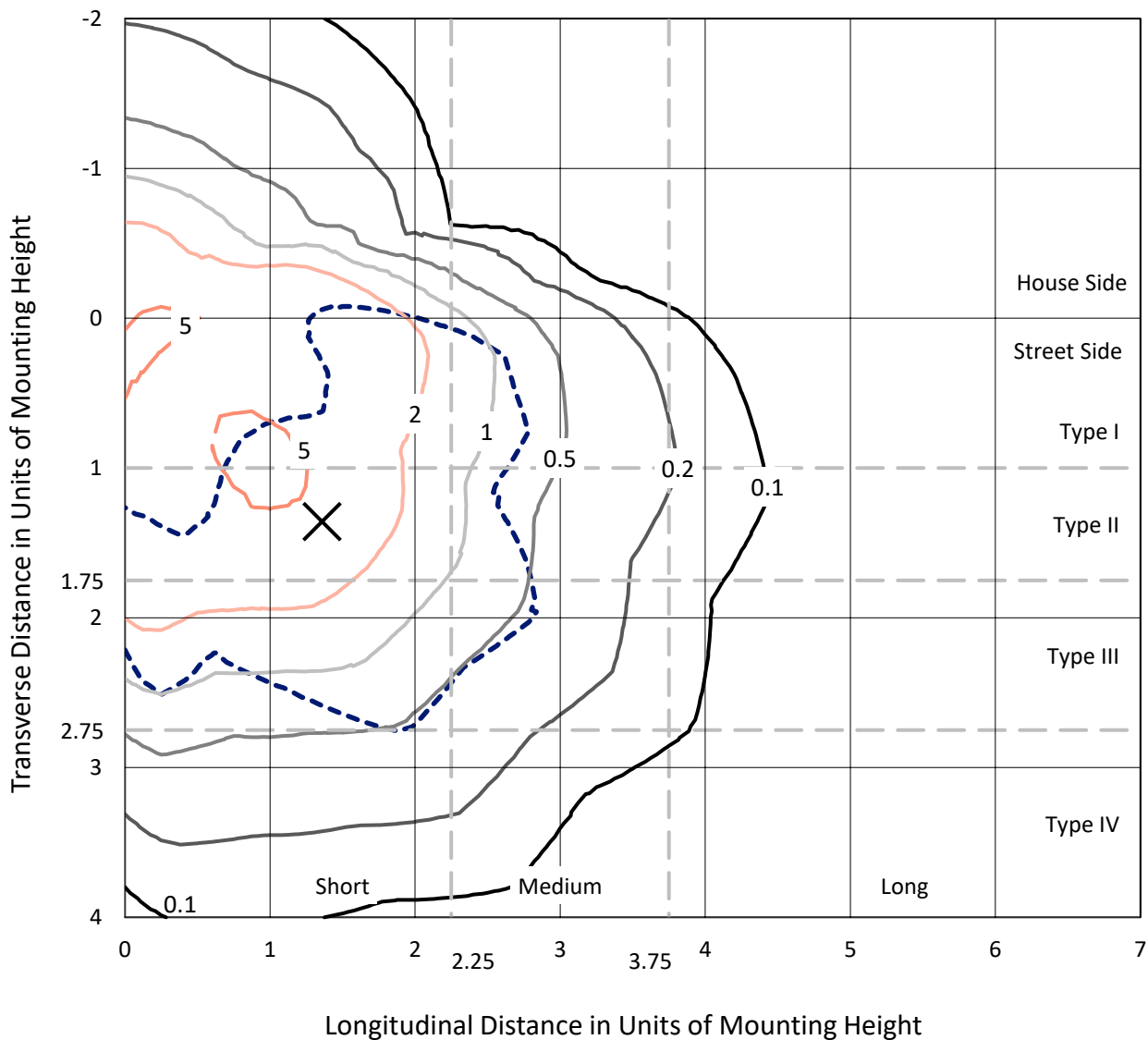
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

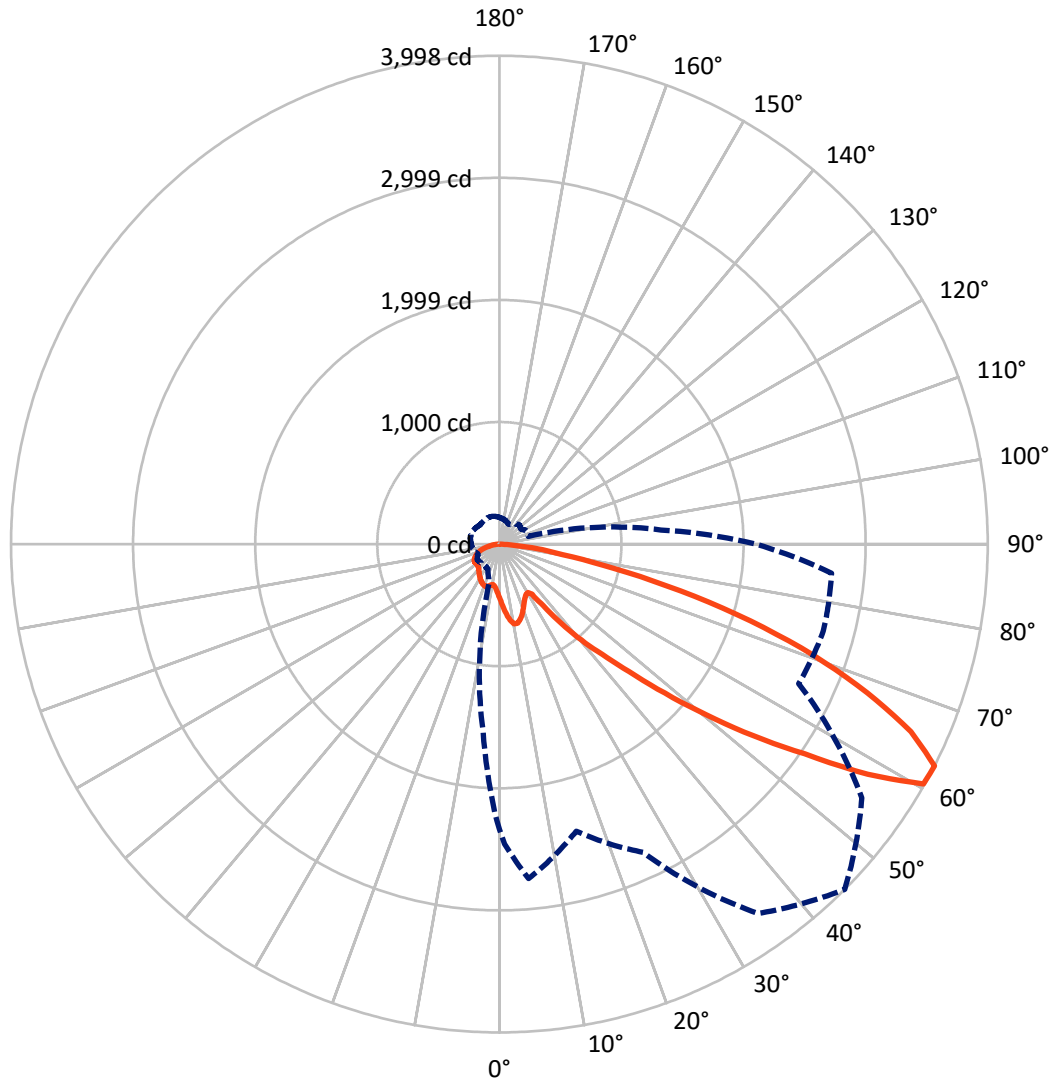
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 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
House Side	Lumens	798.7	0.0	798.7
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2548.3	0.0	2548.3
	% Fixture	76.1	0.0	76.1
Total	Lumens	3347.0	0.0	3347.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	1.3
10°-20°	136.0	4.1
20°-30°	211.2	6.3
30°-40°	286.8	8.6
40°-50°	454.6	13.6
50°-60°	801.8	24.0
60°-70°	892.2	26.7
70°-80°	452.5	13.5
80°-90°	68.5	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°	3347.0	100.0
0°-180°	3347.0	100.0

Coefficient of Utilization



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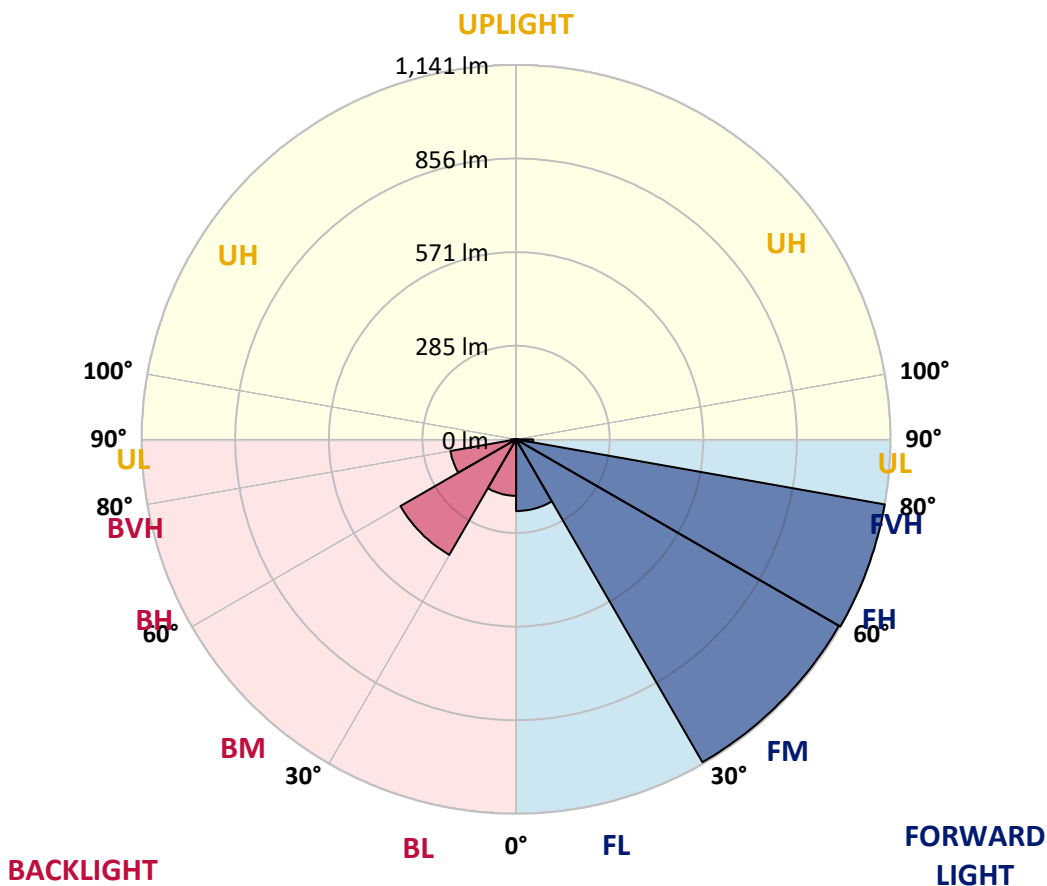
CATALOG NUMBER: GWS-SA1B-735-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	218.5	6.5			
FM (30°-60°)	1136.4	34.0			
FH (60°-80°)	1141.4	34.1			G1/1800
FVH (80°-90°)	52.0	1.6			G1/100
BL (0°-30°)	172.1	5.1	B1/500		
BM (30°-60°)	406.8	12.2	B1/1000		
BH (60°-80°)	203.3	6.1	B1/500		G1/500
BVH (80°-90°)	16.5	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°	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2
2.5°	477.4	477.2	482.0	489.3	496.2	499.2	504.3	503.8	499.7	494.4	492.6
5°	514.9	515.9	524.3	540.5	558.5	566.1	569.4	568.1	560.8	551.4	534.9
7.5°	548.9	550.6	563.6	587.9	610.2	620.3	628.4	626.9	616.3	598.8	574.5
10°	573.7	575.7	591.2	619.8	644.7	653.5	663.9	664.4	655.0	631.5	606.6
12.5°	598.5	600.6	615.0	641.1	657.3	657.6	663.7	667.0	667.5	656.6	631.7
15°	624.4	626.2	639.3	654.0	653.3	639.1	639.1	645.4	659.4	667.2	650.0
17.5°	646.4	648.7	658.8	654.0	631.5	605.9	602.8	611.0	635.3	665.4	663.7
20°	664.7	666.4	672.0	640.1	599.0	565.6	559.8	569.1	602.1	654.5	674.1
22.5°	682.2	683.2	680.1	621.9	564.1	525.8	518.7	528.6	564.1	635.3	682.9
25°	702.9	701.9	687.5	602.8	532.1	494.4	487.0	498.2	535.2	609.7	692.6
27.5°	727.0	723.2	693.8	582.3	507.6	471.1	466.0	477.9	512.4	586.1	700.2
30°	747.5	740.2	694.8	564.1	494.9	461.2	458.2	469.3	501.2	570.2	709.8
32.5°	770.3	760.2	700.7	559.3	502.0	485.0	489.1	489.8	504.3	565.6	724.2
35°	803.0	789.9	716.6	573.2	575.0	603.6	618.3	598.5	550.1	575.7	751.6
37.5°	852.4	835.7	749.1	633.5	725.7	789.9	825.3	780.2	689.5	614.0	792.9
40°	912.5	891.2	790.6	745.0	866.6	969.3	1032.4	966.2	832.9	709.5	850.9
42.5°	996.4	974.1	871.2	854.5	997.1	1149.9	1232.3	1133.7	959.4	832.9	943.9
45°	1142.6	1121.1	1018.9	964.2	1149.9	1372.4	1488.0	1350.9	1087.9	956.8	1117.8
47.5°	1412.7	1387.4	1238.4	1085.8	1324.3	1661.3	1823.0	1623.3	1221.4	1098.8	1409.7
50°	1737.1	1712.8	1513.8	1229.8	1516.9	1970.2	2195.0	1943.3	1375.2	1271.3	1758.6
52.5°	2127.3	2122.8	1906.9	1411.7	1717.3	2299.6	2607.8	2297.9	1543.7	1503.7	2153.9
55°	2479.0	2523.6	2406.1	1689.2	1976.3	2713.4	3032.2	2684.6	1772.3	1887.9	2616.9
57.5°	2668.6	2788.4	2969.1	2255.3	2352.8	3208.1	3556.0	3156.6	2165.1	2527.4	3046.2
60°	2543.4	2679.2	3006.6	2681.5	2726.4	3604.4	3988.3	3553.5	2550.8	2971.4	3021.8
62.5°	2335.1	2457.0	2748.2	2432.7	2784.1	3691.6	3998.4	3622.6	2704.1	2746.1	2729.7
65°	2088.0	2210.9	2519.3	2123.5	2600.4	3484.5	3703.5	3419.2	2428.6	2481.1	2487.1
67.5°	1759.9	1873.4	2187.4	1888.1	2370.3	3180.7	3250.7	3129.3	2236.5	2320.2	2232.7
70°	1314.9	1417.3	1694.5	1534.4	1998.1	2784.9	2728.4	2746.4	2020.9	2104.0	1865.0
72.5°	898.6	975.6	1213.3	1205.7	1530.0	2229.4	2150.6	2321.2	1687.9	1798.1	1421.8
75°	628.4	688.5	877.0	952.5	1156.5	1652.4	1531.6	1737.3	1318.2	1475.6	1037.4
77.5°	385.7	425.5	553.9	705.7	744.0	1130.9	951.3	1307.3	925.7	1076.2	692.0
80°	192.8	212.1	269.1	443.7	493.4	666.4	525.3	758.9	626.4	666.4	382.9
82.5°	58.3	64.4	78.8	168.5	255.7	383.7	310.4	440.9	342.1	312.4	150.8
85°	15.5	17.5	21.8	49.9	89.7	137.6	104.9	213.6	164.0	115.3	56.8
87.5°	1.3	1.3	1.0	1.0	0.5	0.0	0.0	15.2	30.7	17.5	9.9
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°	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2
2.5°	483.7	482.7	472.3	464.7	455.9	447.3	438.4	430.5	421.7	412.8	410.3
5°	522.8	515.7	493.6	475.1	456.9	440.9	427.0	412.5	400.9	389.5	385.2
7.5°	557.2	544.8	512.9	484.8	459.4	439.7	419.1	398.1	381.6	365.4	361.4
10°	588.4	571.9	531.6	496.2	468.0	445.5	421.4	393.3	369.5	349.7	344.4
12.5°	611.5	593.5	547.9	507.1	475.1	449.8	426.0	401.1	376.0	350.5	344.6
15°	629.7	611.0	561.3	515.4	475.4	442.7	419.6	411.0	403.2	378.1	367.4
17.5°	644.4	624.6	572.9	520.5	468.5	421.2	401.1	413.8	433.8	418.1	398.1
20°	657.8	637.8	581.8	524.0	453.3	391.5	380.4	407.2	437.4	436.9	418.9
22.5°	672.5	653.0	594.7	526.1	432.1	361.4	367.9	397.6	422.2	429.5	418.4
25°	691.3	674.1	612.7	530.6	408.0	340.6	358.8	385.2	405.7	407.5	400.9
27.5°	713.1	700.2	639.6	541.3	384.7	329.9	348.2	367.7	386.4	387.2	379.3
30°	736.9	728.3	664.4	550.1	367.2	326.6	334.5	350.2	362.1	364.1	357.3
32.5°	767.3	759.7	686.5	544.3	356.8	325.9	321.8	329.9	339.8	339.8	334.5
35°	809.1	798.5	709.8	522.0	344.1	322.8	308.4	310.7	315.0	315.7	312.7
37.5°	868.4	850.9	733.3	477.9	323.3	311.9	292.9	290.1	291.7	293.7	292.9
40°	941.9	913.3	767.8	425.0	298.5	290.9	277.0	271.6	270.4	274.4	276.0
42.5°	1034.4	990.6	804.8	375.5	276.0	266.8	258.2	253.7	251.6	258.5	262.5
45°	1182.1	1109.9	840.3	326.6	263.3	246.3	240.5	237.2	238.2	246.3	251.4
47.5°	1437.3	1292.1	874.0	295.7	262.3	231.6	224.5	225.3	228.1	236.7	242.8
50°	1760.1	1536.1	896.5	282.8	265.3	222.7	213.4	217.4	221.7	230.1	237.2
52.5°	2088.8	1763.4	869.7	275.7	265.1	223.0	203.0	215.1	217.2	225.5	233.1
55°	2314.8	1788.8	751.3	264.8	261.0	233.1	194.9	214.1	215.4	223.0	229.8
57.5°	2401.0	1702.1	572.9	267.8	248.8	241.0	191.3	207.0	216.2	222.7	229.8
60°	2296.8	1538.7	348.2	275.7	229.3	240.5	193.6	194.1	209.8	221.0	228.1
62.5°	2100.5	1328.8	244.5	253.4	215.1	227.0	198.9	178.9	198.7	212.1	218.4
65°	1875.4	1082.0	186.5	218.2	208.3	206.3	200.7	165.5	183.5	196.6	202.2
67.5°	1641.0	841.0	151.5	162.7	188.3	186.5	183.5	153.6	165.5	174.8	181.2
70°	1345.8	588.4	128.0	122.1	161.4	167.2	160.4	138.6	142.4	152.0	157.1
72.5°	984.5	366.7	105.2	100.9	129.7	146.2	142.7	122.1	123.9	133.0	137.1
75°	708.0	209.8	84.4	83.1	99.1	125.2	118.1	105.2	107.2	114.0	116.8
77.5°	450.0	116.8	65.1	66.9	71.0	93.5	100.9	90.0	90.0	94.0	96.3
80°	241.0	66.9	47.6	48.4	49.7	71.5	79.6	69.7	69.7	66.9	69.7
82.5°	98.3	38.5	32.7	30.4	33.2	48.9	55.7	44.3	46.4	41.8	42.8
85°	32.4	19.3	16.2	16.0	15.7	21.5	26.9	22.0	26.4	16.7	17.5
87.5°	4.3	3.5	2.0	1.5	1.8	0.8	1.5	1.8	1.8	1.3	1.3
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°	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2
2.5°	408.5	406.5	399.1	400.9	399.6	397.6	399.6	395.8	398.9	399.9	406.2
5°	381.9	377.1	370.0	366.4	365.7	363.6	363.9	362.1	362.6	366.9	374.0
7.5°	358.1	353.5	347.9	345.4	343.1	340.8	340.6	340.3	342.3	346.1	353.0
10°	340.8	338.3	336.0	337.0	336.0	335.0	333.2	333.2	336.5	343.4	351.7
12.5°	340.8	340.3	340.8	343.9	343.6	343.9	341.6	342.9	352.0	363.6	375.5
15°	359.1	355.0	355.0	356.5	356.0	356.0	356.0	361.4	382.1	400.1	412.8
17.5°	381.4	369.5	364.4	363.6	363.4	363.4	364.4	375.8	408.2	427.2	434.6
20°	396.8	374.3	365.9	362.6	362.9	363.4	366.4	382.1	417.9	427.5	425.7
22.5°	399.6	370.5	360.3	355.5	356.3	356.8	361.4	378.1	404.7	406.2	402.7
25°	386.7	359.8	348.9	345.1	346.1	345.9	349.9	362.1	381.1	380.6	378.6
27.5°	367.4	342.9	334.7	332.2	334.0	332.0	333.2	342.6	357.3	356.8	356.0
30°	347.7	326.4	319.0	317.8	320.0	317.0	317.3	325.1	335.3	334.7	334.5
32.5°	327.9	309.9	303.3	303.3	305.6	302.3	302.8	309.7	316.5	314.5	314.5
35°	309.2	296.5	291.2	290.1	291.9	289.6	290.7	297.0	299.5	296.7	295.0
37.5°	292.7	287.1	281.8	278.2	278.5	278.7	281.8	286.6	285.1	281.0	278.7
40°	277.5	277.5	272.4	265.8	265.1	266.8	271.9	277.2	272.9	268.4	265.6
42.5°	266.6	268.9	264.0	257.5	255.9	259.0	264.6	268.4	263.3	258.2	254.4
45°	256.4	262.0	258.7	251.4	249.3	252.9	260.0	261.5	254.7	249.9	247.1
47.5°	249.3	257.0	254.7	247.6	244.5	249.6	257.0	256.7	248.1	243.0	240.7
50°	244.3	253.9	253.7	247.6	244.3	250.6	257.2	253.9	244.5	239.2	236.9
52.5°	240.2	253.7	255.4	251.9	249.6	255.2	259.2	252.9	242.0	236.4	234.7
55°	238.5	254.7	255.9	252.6	250.6	255.7	259.2	254.9	242.0	236.9	235.4
57.5°	239.0	253.4	253.7	249.1	245.5	251.9	257.5	256.2	244.8	239.0	237.2
60°	235.9	246.6	247.1	240.0	235.9	243.5	253.4	252.6	243.5	237.4	234.1
62.5°	225.8	235.2	235.4	228.8	223.0	233.9	244.8	244.5	236.2	230.1	226.3
65°	208.8	218.7	221.2	214.9	210.3	222.0	233.4	232.9	224.5	218.9	215.1
67.5°	187.8	198.4	203.2	198.9	197.1	207.8	218.4	218.2	211.3	206.0	202.7
70°	162.2	171.0	179.2	179.2	177.9	190.1	201.5	200.4	194.1	190.1	187.5
72.5°	140.9	147.7	150.3	152.8	156.6	169.3	178.9	179.7	175.1	173.1	175.1
75°	119.9	124.2	126.4	124.4	131.0	144.2	156.9	158.1	153.3	150.0	150.8
77.5°	98.6	103.4	105.7	101.1	100.6	117.3	132.8	135.6	131.5	126.4	128.0
80°	71.2	77.5	81.3	78.3	77.3	84.6	105.9	109.0	105.2	101.1	103.4
82.5°	43.6	47.1	48.1	51.2	57.5	60.6	68.2	78.3	75.5	72.0	78.3
85°	17.2	20.5	22.8	25.8	30.2	35.7	42.1	50.2	45.6	44.1	51.9
87.5°	1.0	0.3	0.0	0.5	4.3	8.4	18.0	24.8	20.8	22.3	26.9
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°	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2
2.5°	411.3	417.9	426.7	434.1	443.5	452.3	461.4	470.6	475.4	477.4
5°	382.1	394.3	408.5	424.2	442.4	461.7	481.2	501.2	513.9	514.9
7.5°	364.6	382.1	401.6	421.4	444.0	470.6	501.5	532.4	545.3	548.9
10°	370.2	389.7	405.2	423.7	448.5	481.7	518.2	554.4	569.4	573.7
12.5°	392.5	396.3	401.1	418.1	448.5	491.3	535.4	578.5	594.5	598.5
15°	411.0	392.8	384.2	402.2	442.4	499.7	553.7	601.3	620.6	624.4
17.5°	412.5	381.1	362.4	378.6	431.8	505.5	571.2	626.7	642.9	646.4
20°	397.1	368.7	344.4	354.3	417.4	508.1	583.8	645.2	661.1	664.7
22.5°	379.6	358.6	332.2	331.7	399.9	510.9	599.0	662.6	679.9	682.2
25°	363.1	344.6	322.3	315.2	379.6	516.2	619.6	689.0	702.2	702.9
27.5°	343.9	329.7	314.5	307.6	361.9	526.3	650.0	720.4	728.3	727.0
30°	326.4	315.7	308.9	306.9	350.7	533.9	678.9	751.3	751.8	747.5
32.5°	307.9	303.8	303.8	310.4	341.6	532.1	702.4	781.5	776.7	770.3
35°	291.4	292.2	297.5	313.0	326.4	514.4	725.0	819.3	812.2	803.0
37.5°	275.7	281.5	289.1	304.1	306.4	488.1	751.3	872.7	863.9	852.4
40°	262.3	271.1	280.0	287.4	285.1	450.6	788.1	935.6	925.7	912.5
42.5°	251.6	260.2	270.1	270.9	271.6	411.5	827.1	1012.6	1010.8	996.4
45°	244.8	250.4	259.7	258.5	270.9	368.4	863.1	1130.2	1153.5	1142.6
47.5°	240.2	244.5	245.5	250.9	277.5	329.9	909.5	1360.3	1425.1	1412.7
50°	237.7	242.0	230.6	251.4	278.5	305.1	973.6	1649.1	1753.5	1737.1
52.5°	237.4	236.4	219.2	256.7	272.9	289.9	1007.0	1860.0	2091.6	2127.3
55°	237.9	225.3	213.4	258.2	261.8	284.3	895.0	1961.3	2403.5	2479.0
57.5°	233.4	213.1	216.7	252.1	240.7	299.3	661.6	1925.1	2528.2	2668.6
60°	224.8	201.5	222.7	235.7	219.2	273.7	455.6	1763.4	2399.0	2543.4
62.5°	212.4	193.3	222.0	214.4	211.3	224.0	313.2	1537.1	2194.0	2335.1
65°	198.4	186.8	210.1	193.9	195.6	172.3	221.5	1281.7	1949.2	2088.0
67.5°	183.5	182.7	192.6	172.6	165.2	136.6	161.4	1027.3	1634.7	1759.9
70°	166.5	172.1	175.1	153.3	134.1	107.2	119.9	718.4	1205.9	1314.9
72.5°	149.5	150.0	154.3	133.3	100.3	85.9	90.0	435.1	819.3	898.6
75°	132.3	127.5	131.5	108.5	74.8	70.4	69.4	268.9	565.8	628.4
77.5°	113.8	108.5	103.1	81.6	60.1	54.5	53.2	150.8	347.2	385.7
80°	92.5	85.4	77.0	59.8	43.8	39.0	38.8	73.5	173.1	192.8
82.5°	72.0	58.5	56.3	37.3	27.1	23.8	25.3	28.1	52.2	58.3
85°	50.4	42.6	29.9	15.0	12.2	9.9	9.6	8.4	13.9	15.5
87.5°	28.1	18.5	9.6	1.8	2.0	2.3	1.8	1.3	1.3	1.3
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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