

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: P629301

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629301
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2765.7 lumens
Efficiency: N/A
Efficacy: 110.6 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

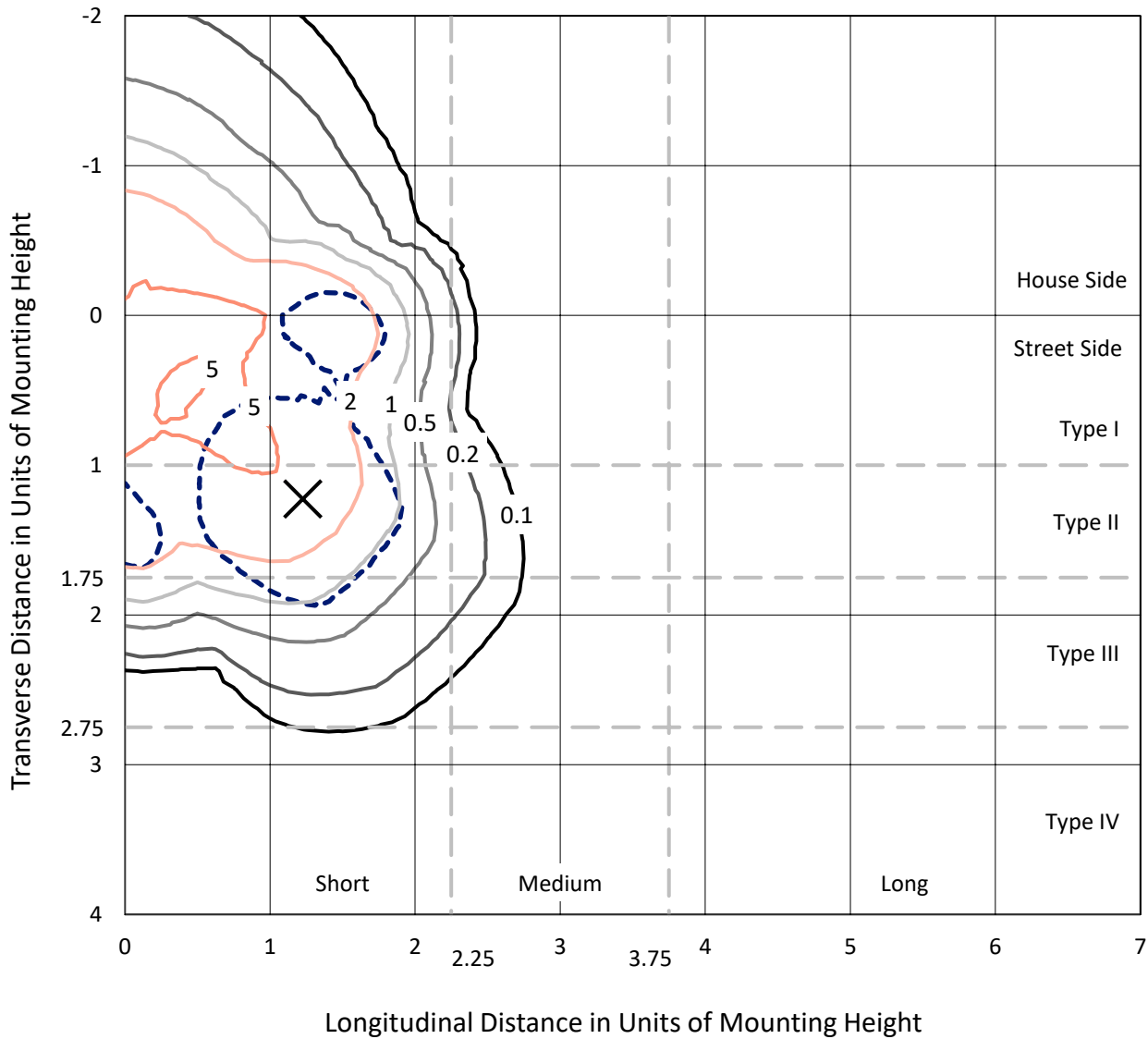
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

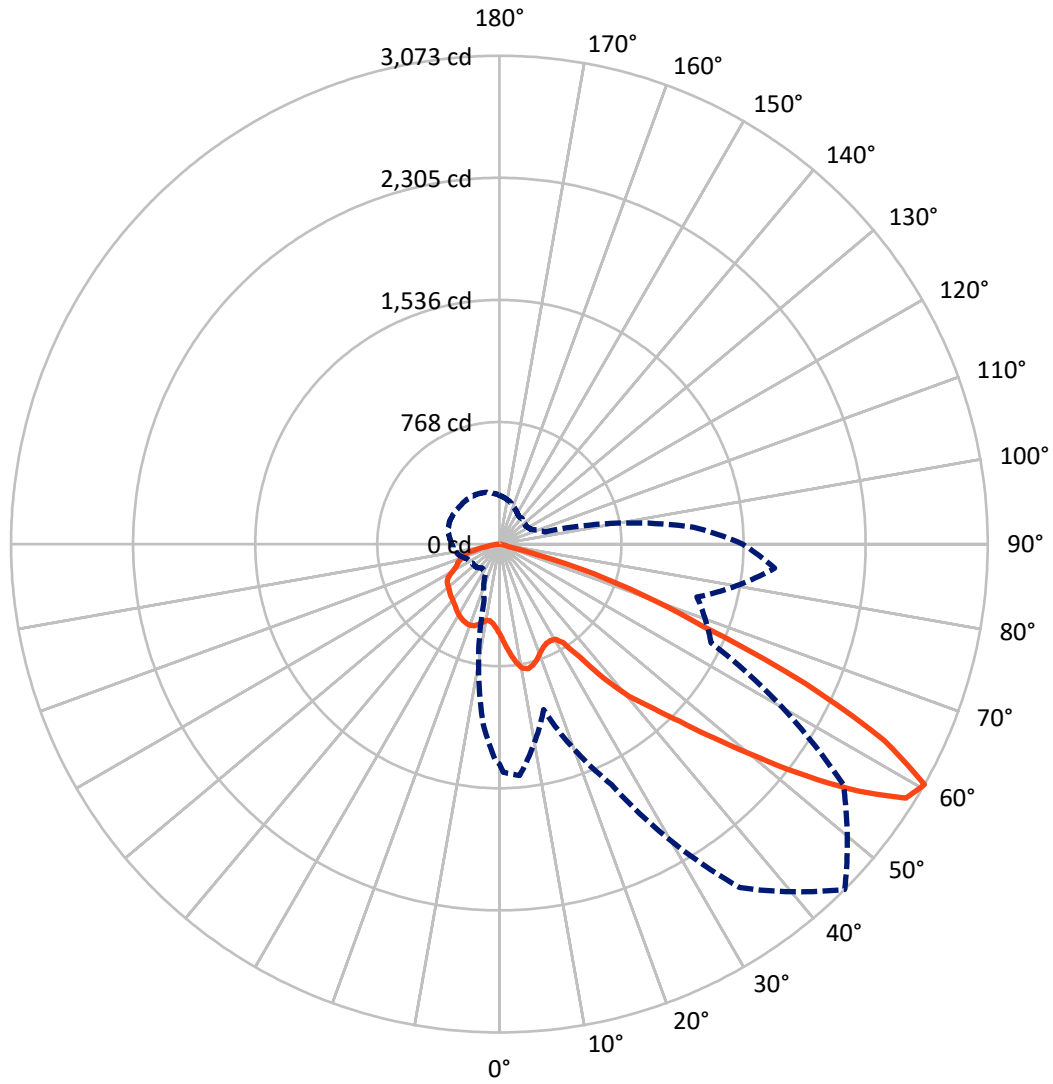
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	969.5	0.0	969.5
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	1796.2	0.0	1796.2
	% Fixture	64.9	0.0	64.9
Total	Lumens	2765.7	0.0	2765.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.4	2.0
10°-20°	175.2	6.3
20°-30°	284.5	10.3
30°-40°	401.3	14.5
40°-50°	554.6	20.1
50°-60°	713.9	25.8
60°-70°	452.3	16.4
70°-80°	116.1	4.2
80°-90°	12.4	0.4
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°	2765.7	100.0
0°-180°	2765.7	100.0

Coefficient of Utilization



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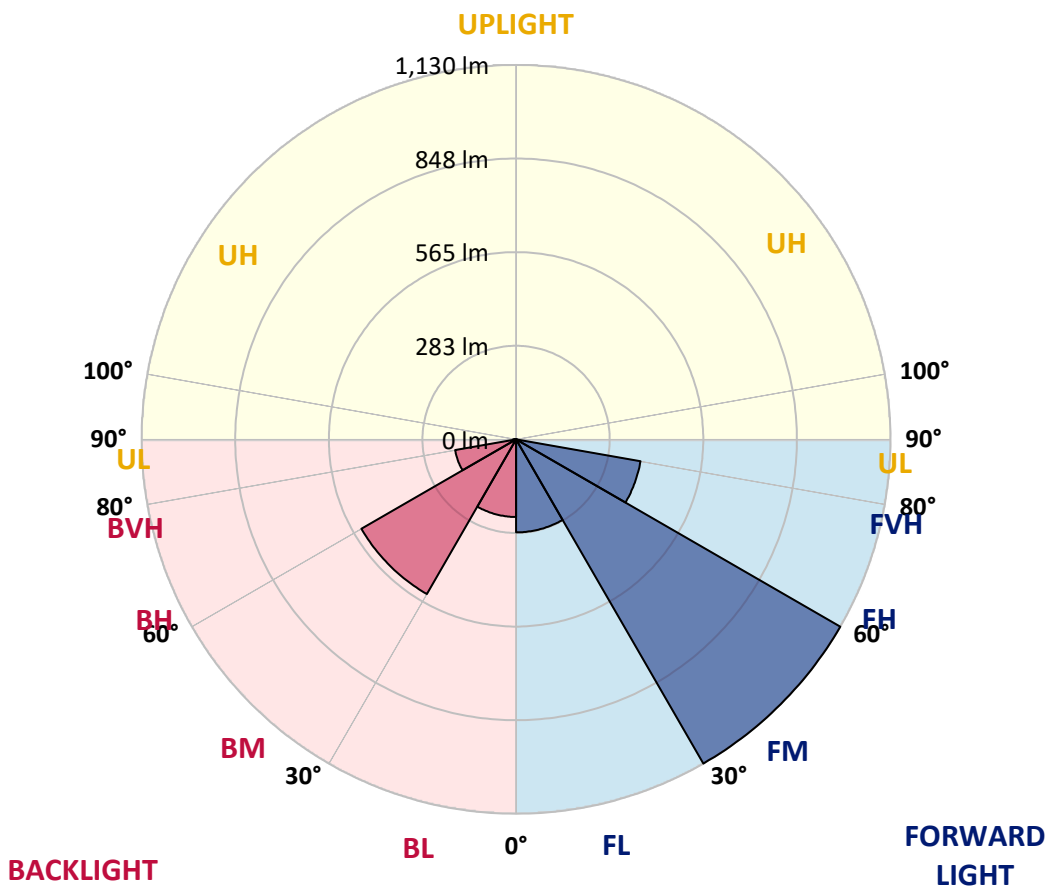
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	280.8	10.2			
FM (30°-60°)	1130.5	40.9			
FH (60°-80°)	381.6	13.8			G0/660
FVH (80°-90°)	3.4	0.1			G0/10
BL (0°-30°)	234.3	8.5	B1/500		
BM (30°-60°)	539.3	19.5	B1/1000		
BH (60°-80°)	186.8	6.8	B1/500		G1/500
BVH (80°-90°)	9.0	0.3			G0/10
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°	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2
2.5°	594.3	598.3	600.8	605.7	614.3	619.1	624.4	618.6	620.1	619.3	610.0
5°	629.5	634.3	640.9	655.1	671.0	679.9	688.3	687.0	679.2	666.0	656.6
7.5°	662.4	668.0	679.4	702.5	726.0	739.7	749.9	743.3	736.7	715.9	692.3
10°	688.3	691.6	707.0	737.9	765.3	780.8	793.2	791.7	782.5	759.2	727.6
12.5°	712.6	714.9	731.6	762.5	787.1	793.9	804.1	807.4	804.3	786.9	755.7
15°	738.7	743.0	758.5	782.0	793.2	786.1	789.6	798.8	807.4	807.4	778.7
17.5°	763.0	766.8	782.5	792.7	782.0	763.3	764.3	776.0	796.5	818.0	799.8
20°	784.6	788.1	803.6	793.9	760.2	732.9	732.1	746.3	779.5	824.9	822.3
22.5°	808.1	813.2	826.1	795.0	740.0	705.3	705.0	719.7	764.6	831.7	848.2
25°	841.6	849.4	856.0	803.8	729.1	687.3	690.6	704.5	759.7	842.9	886.4
27.5°	891.3	897.6	897.1	822.3	728.6	679.9	686.8	703.0	768.4	862.6	926.7
30°	945.0	948.3	943.0	848.2	740.2	684.5	694.6	713.9	790.1	895.3	986.0
32.5°	1004.5	1008.6	998.5	887.0	767.3	718.2	740.5	749.9	820.8	942.4	1048.9
35°	1073.0	1080.8	1059.8	938.1	847.2	841.1	873.5	861.4	885.9	998.2	1116.0
37.5°	1144.9	1145.2	1115.0	1013.9	1003.8	1014.2	1079.0	1041.0	1024.0	1060.3	1184.5
40°	1206.0	1204.5	1158.1	1116.0	1140.1	1181.4	1259.7	1201.4	1156.8	1143.7	1241.2
42.5°	1267.1	1261.5	1214.6	1180.9	1234.1	1319.0	1407.5	1336.0	1242.0	1219.4	1297.2
45°	1345.1	1343.4	1286.8	1206.8	1319.0	1473.1	1590.4	1474.6	1292.4	1263.5	1390.5
47.5°	1471.1	1462.5	1357.3	1204.7	1398.6	1678.4	1826.6	1649.2	1327.6	1264.5	1541.0
50°	1594.2	1583.6	1441.4	1204.5	1480.7	1891.2	2105.4	1861.3	1363.6	1270.6	1694.1
52.5°	1718.7	1718.7	1579.5	1233.1	1566.9	2128.9	2427.5	2125.6	1425.0	1350.2	1882.4
55°	1792.7	1812.4	1734.9	1281.5	1667.7	2408.7	2746.0	2411.0	1519.7	1493.9	2056.2
57.5°	1698.6	1735.6	1724.5	1247.8	1727.3	2614.2	3016.1	2627.4	1566.6	1510.9	2030.1
60°	1384.2	1435.6	1461.2	1077.5	1668.5	2638.0	3072.7	2641.6	1469.8	1286.6	1738.9
62.5°	920.1	962.5	1001.5	769.9	1444.5	2373.2	2717.6	2374.0	1227.5	960.2	1204.7
65°	451.3	482.8	524.8	455.1	1128.5	1983.0	2118.8	1918.3	888.0	537.5	614.5
67.5°	118.1	127.0	132.8	176.6	808.4	1424.7	1381.9	1403.2	570.4	175.6	160.7
70°	61.3	61.8	61.6	73.0	546.4	905.5	952.3	881.1	398.1	73.5	63.4
72.5°	43.8	44.1	43.3	49.2	263.8	518.7	537.5	531.7	208.6	43.6	43.3
75°	28.6	28.9	28.4	28.9	39.8	59.0	54.5	57.3	34.7	27.6	27.6
77.5°	17.0	17.2	17.0	17.5	17.0	17.0	15.7	15.7	15.0	15.0	15.2
80°	11.4	11.4	11.2	11.7	10.6	10.6	10.1	9.9	9.1	8.9	8.9
82.5°	6.8	7.1	6.8	6.8	6.3	6.3	5.8	5.6	4.8	4.8	4.6
85°	3.5	3.5	3.3	3.3	2.8	2.5	2.0	2.0	1.5	1.3	1.3
87.5°	0.5	0.5	0.3	0.3	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°	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2
2.5°	607.4	602.4	594.8	587.4	580.6	573.5	565.4	557.0	549.9	542.6	538.8
5°	644.2	633.8	614.0	596.5	580.8	567.9	554.0	542.1	530.9	521.8	517.2
7.5°	677.4	661.2	631.3	603.6	582.3	564.6	545.3	527.6	512.7	501.5	497.2
10°	708.0	688.8	649.5	614.5	589.7	569.9	546.4	522.3	502.5	487.8	484.3
12.5°	732.9	710.8	663.9	623.4	594.0	572.7	551.9	531.2	511.6	492.6	489.6
15°	754.9	728.8	674.8	629.0	592.5	565.4	547.9	545.3	545.3	523.8	517.7
17.5°	773.9	745.3	683.7	631.5	582.9	543.6	532.9	555.0	579.8	564.4	550.7
20°	795.7	761.0	691.1	631.5	565.1	516.0	514.9	552.4	589.2	589.4	575.0
22.5°	817.8	779.3	699.7	629.2	540.8	484.0	502.8	542.3	575.0	588.9	579.1
25°	853.5	804.6	713.4	627.5	512.4	462.2	491.9	528.9	556.5	571.2	564.9
27.5°	898.9	838.0	734.1	630.2	484.3	449.3	480.2	511.4	536.5	549.4	544.8
30°	949.5	876.6	756.4	635.1	464.0	442.7	466.3	491.4	513.7	526.6	524.6
32.5°	1014.2	918.4	775.7	628.5	452.6	439.4	451.6	469.6	491.1	499.2	501.0
35°	1091.5	964.5	790.4	602.6	442.2	435.9	435.6	446.8	462.0	474.9	476.2
37.5°	1162.7	1018.5	806.6	558.3	423.5	427.0	416.9	423.5	438.4	451.3	456.4
40°	1233.1	1073.2	829.2	501.8	398.9	407.2	395.3	399.9	411.8	428.8	436.9
42.5°	1301.5	1122.6	853.0	444.0	374.3	379.6	370.7	375.3	387.7	409.0	418.1
45°	1376.0	1189.5	871.5	389.5	353.0	350.7	343.6	350.2	369.0	392.3	403.2
47.5°	1516.9	1294.9	883.7	353.3	341.6	325.1	317.0	331.2	352.5	376.1	389.2
50°	1689.0	1447.5	880.1	330.2	331.7	298.8	296.0	314.7	337.5	362.1	376.6
52.5°	1825.3	1597.3	839.8	308.2	312.5	282.1	273.9	301.3	323.1	348.2	363.1
55°	1929.5	1647.7	716.2	282.1	281.0	269.9	252.9	287.4	308.7	332.0	348.2
57.5°	1844.6	1535.4	530.9	246.1	240.0	245.8	229.3	263.8	290.9	314.0	328.4
60°	1530.9	1224.2	295.7	217.9	200.7	214.9	212.4	239.0	271.7	296.0	308.4
62.5°	1039.3	815.2	175.4	172.3	162.7	183.0	196.4	213.9	246.1	265.8	277.5
65°	518.0	396.1	116.6	129.0	130.3	150.5	175.9	195.1	222.0	242.3	253.9
67.5°	150.3	123.2	88.7	98.6	112.3	128.5	148.8	171.6	197.7	221.7	235.4
70°	64.9	65.6	70.4	82.1	95.5	112.3	132.5	154.8	176.9	195.4	205.8
72.5°	45.9	47.6	53.0	64.9	77.5	93.5	113.8	135.3	151.3	170.0	180.9
75°	29.4	30.7	35.0	44.1	53.5	68.9	88.2	108.0	124.4	137.9	148.2
77.5°	16.2	16.5	20.0	25.3	31.7	41.6	55.8	71.2	83.4	91.0	100.4
80°	9.4	9.4	11.2	14.4	18.2	24.3	32.2	39.8	47.1	52.0	56.5
82.5°	5.1	5.1	5.8	7.9	9.9	13.4	18.0	21.8	26.4	28.9	31.9
85°	1.5	1.5	2.0	2.8	3.5	5.1	7.1	9.1	11.2	12.9	14.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2
2.5°	538.0	534.5	532.4	529.9	530.7	528.4	527.1	527.9	523.3	527.9	532.4
5°	515.4	510.4	506.3	503.0	501.5	498.5	496.7	496.7	493.9	498.5	504.0
7.5°	495.7	491.6	489.6	487.6	485.3	482.5	479.5	478.4	476.7	481.5	486.3
10°	482.5	483.0	484.3	487.1	486.6	484.8	480.2	477.7	477.7	483.3	490.6
12.5°	488.6	493.9	496.9	502.0	503.0	501.5	496.9	494.9	500.0	508.3	520.5
15°	512.2	515.7	518.2	522.3	522.0	520.8	517.2	518.7	535.5	551.7	562.6
17.5°	537.7	533.7	533.2	535.7	536.5	535.0	532.9	539.8	567.4	582.6	588.2
20°	556.2	542.3	539.3	540.3	542.3	541.5	541.5	552.7	581.3	588.4	581.3
22.5°	561.8	542.1	537.5	537.7	540.5	540.8	542.1	553.7	570.4	570.7	559.8
25°	553.0	533.9	530.7	531.2	534.5	534.2	534.7	541.3	548.6	545.6	537.5
27.5°	536.2	519.8	518.7	521.5	525.8	523.6	522.0	523.8	527.4	523.6	516.5
30°	517.2	503.3	503.8	509.1	513.7	509.9	506.1	507.1	507.3	503.3	495.2
32.5°	497.2	486.8	488.6	494.2	499.5	495.4	491.4	490.9	486.0	481.2	473.4
35°	477.2	473.1	475.4	480.0	484.5	481.2	478.7	477.2	466.8	459.7	453.1
37.5°	458.9	462.0	466.0	468.8	470.3	470.1	468.6	465.0	451.3	443.0	434.4
40°	442.7	452.1	456.4	457.7	459.9	459.4	459.2	454.1	436.1	427.3	417.4
42.5°	428.0	441.2	448.5	449.8	451.1	451.3	450.6	443.2	422.7	412.3	402.9
45°	413.8	431.1	440.4	439.2	440.9	440.9	441.7	432.1	409.5	398.9	389.0
47.5°	401.4	421.7	430.3	428.8	429.8	430.6	431.3	420.2	395.1	384.9	374.8
50°	390.0	411.5	418.9	419.4	419.4	421.2	420.9	410.0	382.9	372.0	361.9
52.5°	377.8	401.2	409.0	412.3	413.3	414.1	410.5	397.9	370.5	357.3	347.9
55°	363.7	390.5	397.6	401.9	403.9	403.4	398.6	385.7	357.8	344.6	334.0
57.5°	342.1	367.7	377.8	379.9	383.2	381.1	375.6	364.7	337.5	324.4	313.5
60°	318.5	337.0	345.2	346.9	344.4	345.2	344.4	334.0	310.4	300.0	288.9
62.5°	287.6	304.1	312.7	315.0	310.7	313.5	312.5	299.5	276.0	265.1	255.2
65°	264.3	282.3	292.4	293.7	292.4	293.7	290.2	274.4	252.1	241.0	230.9
67.5°	246.1	264.6	275.2	278.8	277.5	277.2	271.7	253.4	230.4	218.2	205.3
70°	214.6	230.9	244.5	253.2	253.2	248.3	237.7	220.7	202.2	191.8	181.7
72.5°	190.1	210.6	224.0	232.9	234.7	231.9	216.9	198.9	177.6	167.3	156.6
75°	156.6	176.6	191.1	202.7	205.0	202.0	184.7	167.0	147.2	137.1	126.5
77.5°	104.7	116.6	128.2	138.9	136.6	138.6	127.0	113.5	101.4	93.8	88.9
80°	59.0	66.9	70.4	76.3	76.3	76.3	68.7	62.3	55.5	51.2	46.4
82.5°	33.5	38.5	40.0	44.9	46.1	46.4	41.3	37.3	32.9	30.7	27.4
85°	15.5	18.2	18.5	21.3	22.3	24.3	22.0	19.3	16.7	15.7	13.7
87.5°	0.5	1.5	2.0	3.8	5.1	5.8	6.3	6.3	5.3	4.8	4.1
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°	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2
2.5°	538.0	544.1	551.2	556.2	565.4	573.0	580.8	589.4	595.8	594.3
5°	510.9	521.0	533.9	545.9	562.8	580.1	599.1	618.6	630.0	629.5
7.5°	495.7	510.1	525.8	541.8	561.8	586.7	615.8	646.2	661.7	662.4
10°	503.8	519.2	529.9	543.3	564.4	595.5	630.5	667.0	684.7	688.3
12.5°	529.4	528.1	527.4	537.0	562.3	601.9	644.7	688.3	708.3	712.6
15°	553.7	527.6	511.9	518.5	553.2	605.9	658.6	711.6	734.1	738.7
17.5°	558.3	518.7	489.6	494.2	538.8	607.2	672.1	734.4	758.7	763.0
20°	545.6	507.3	473.4	467.0	520.5	603.9	680.4	753.4	780.0	784.6
22.5°	529.6	497.2	461.2	444.7	498.2	600.6	689.8	773.4	804.1	808.1
25°	512.9	484.3	449.8	424.7	472.9	598.6	705.5	799.8	836.8	841.6
27.5°	495.2	468.6	439.9	415.1	449.6	601.1	727.8	842.4	884.4	891.3
30°	476.2	452.9	433.6	411.8	433.6	603.4	752.4	885.9	935.4	945.0
32.5°	456.4	438.4	427.0	413.3	423.7	598.1	773.9	934.8	996.2	1004.5
35°	436.6	423.7	418.6	416.1	410.5	578.5	791.4	984.3	1065.6	1073.0
37.5°	418.1	408.5	407.0	409.8	390.3	546.6	811.7	1047.1	1133.8	1144.9
40°	400.9	392.0	391.8	391.3	368.0	503.0	839.1	1111.0	1200.9	1206.0
42.5°	384.9	373.8	375.8	369.7	349.7	455.9	864.9	1165.5	1263.5	1267.1
45°	370.7	356.0	358.3	350.7	341.1	406.5	887.7	1229.8	1342.8	1345.1
47.5°	357.1	341.3	335.0	334.5	339.6	360.9	910.0	1353.7	1467.0	1471.1
50°	344.4	327.4	309.4	320.6	330.2	326.7	937.9	1486.5	1595.2	1594.2
52.5°	332.2	309.9	284.3	305.9	305.9	301.3	930.0	1567.1	1701.2	1718.7
55°	318.3	281.8	258.2	281.3	270.1	278.5	790.9	1593.5	1767.8	1792.7
57.5°	290.7	247.1	226.6	239.0	222.2	258.2	568.2	1462.7	1654.5	1698.6
60°	264.1	221.5	208.1	205.8	184.0	210.6	368.2	1145.2	1361.9	1384.2
62.5°	232.9	199.4	188.0	170.5	148.0	153.3	223.0	753.7	915.1	920.1
65°	209.3	180.7	158.9	138.1	121.1	111.2	131.8	363.4	457.4	451.3
67.5°	179.7	154.8	134.1	119.1	105.2	92.7	87.7	108.0	122.1	118.1
70°	159.9	136.1	116.1	101.9	88.9	76.5	67.7	63.6	62.3	61.3
72.5°	137.9	117.1	96.3	82.6	70.4	59.0	50.9	46.1	44.9	43.8
75°	110.0	90.5	71.5	58.5	47.9	39.8	34.5	30.4	29.6	28.6
77.5°	72.7	58.0	42.6	34.7	28.4	24.1	20.5	18.0	17.5	17.0
80°	40.0	33.5	26.1	21.0	17.0	14.7	13.4	11.9	11.7	11.4
82.5°	23.8	20.0	15.0	11.9	9.9	8.9	8.1	7.3	7.1	6.8
85°	11.9	9.4	6.6	5.6	5.1	4.6	4.6	3.8	3.5	3.5
87.5°	3.0	2.5	1.5	1.3	1.3	1.3	1.0	0.8	0.8	0.5
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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