

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: P629631

Luminaire Tested: GWS-SA1C-722-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629631
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-SA1C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2770.1 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

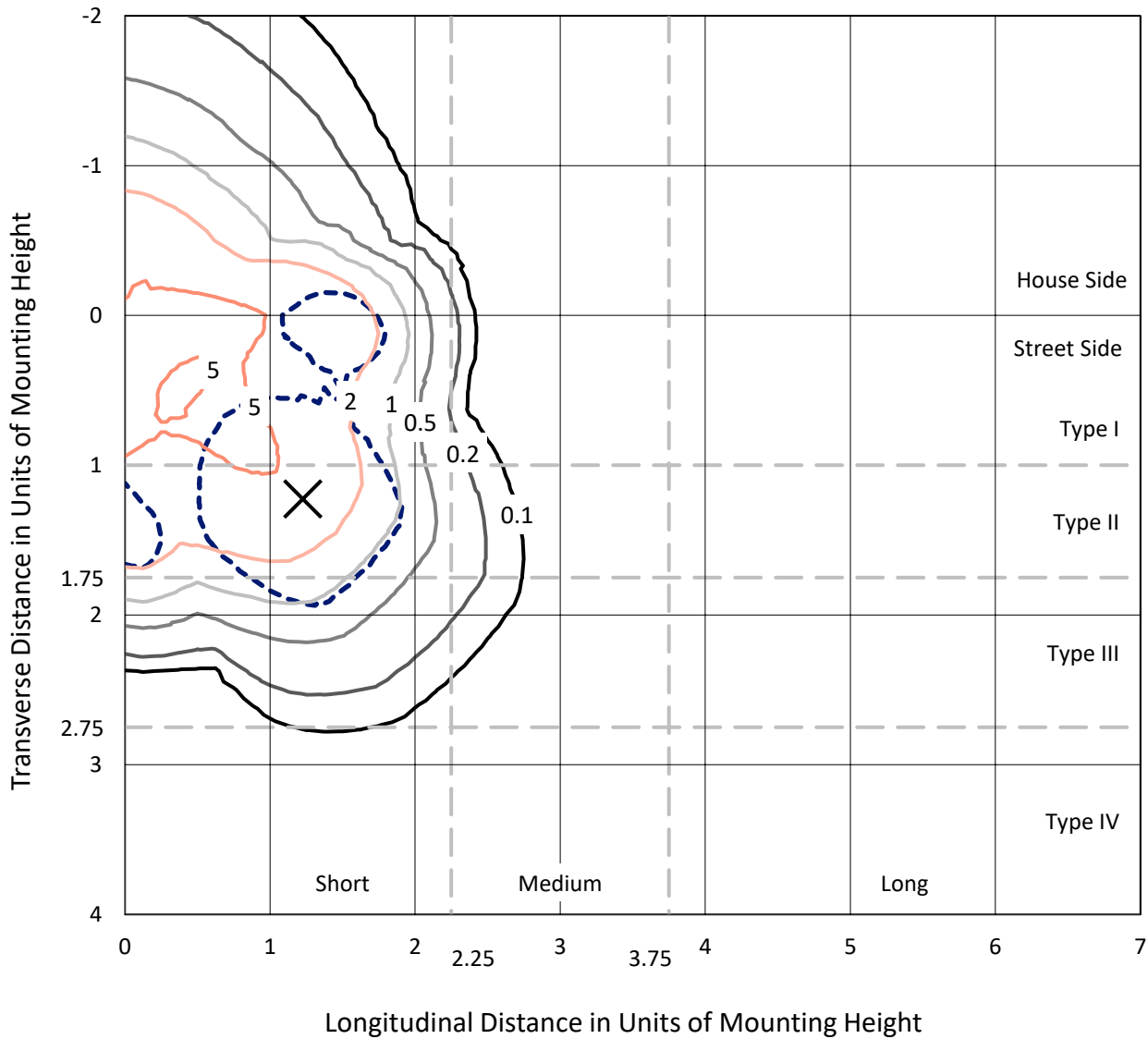
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

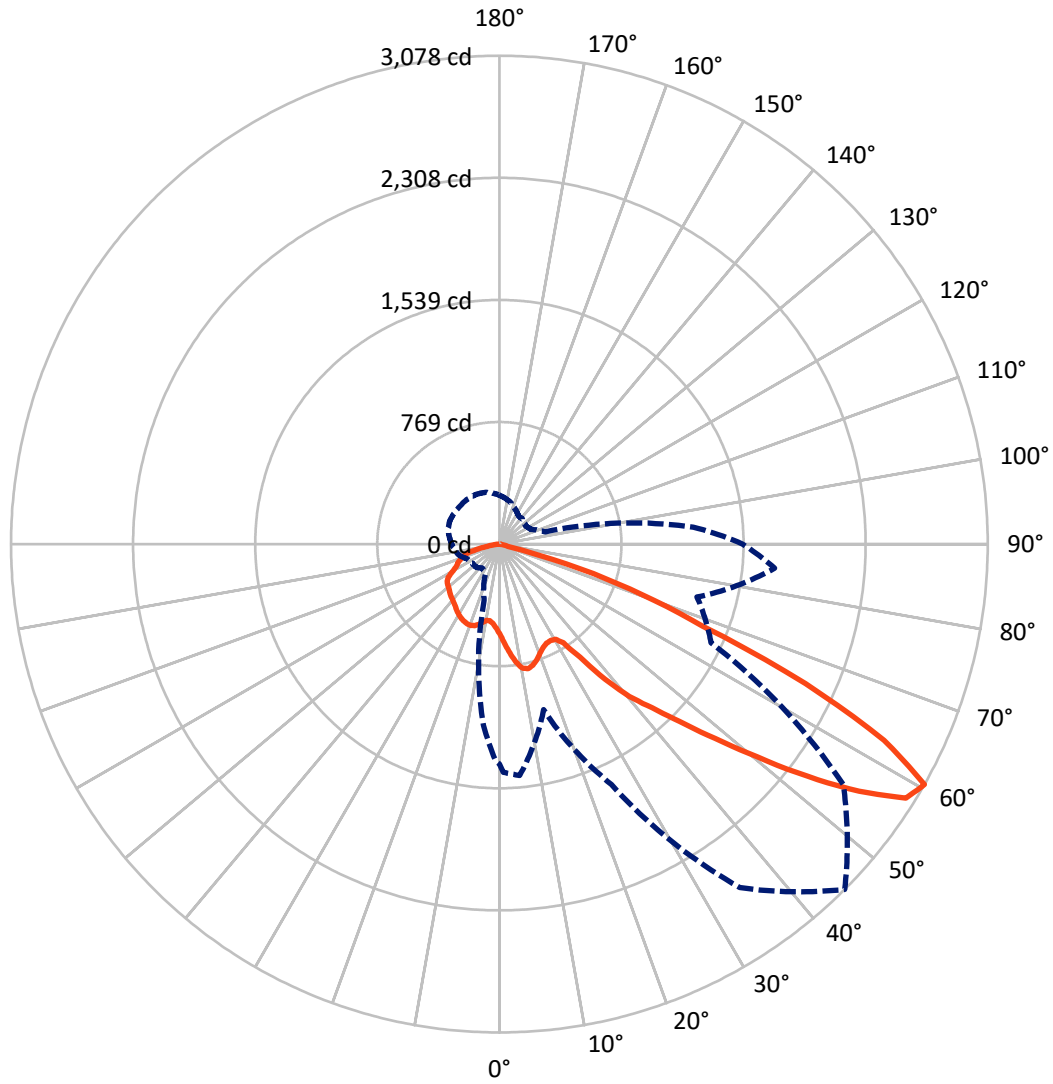
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 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	971.0	0.0	971.0
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	1799.1	0.0	1799.1
	% Fixture	64.9	0.0	64.9
Total	Lumens	2770.1	0.0	2770.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	2.0
10°-20°	175.4	6.3
20°-30°	285.0	10.3
30°-40°	401.9	14.5
40°-50°	555.4	20.1
50°-60°	715.0	25.8
60°-70°	453.0	16.4
70°-80°	116.3	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°	2770.1	100.0
0°-180°	2770.1	100.0

Coefficient of Utilization



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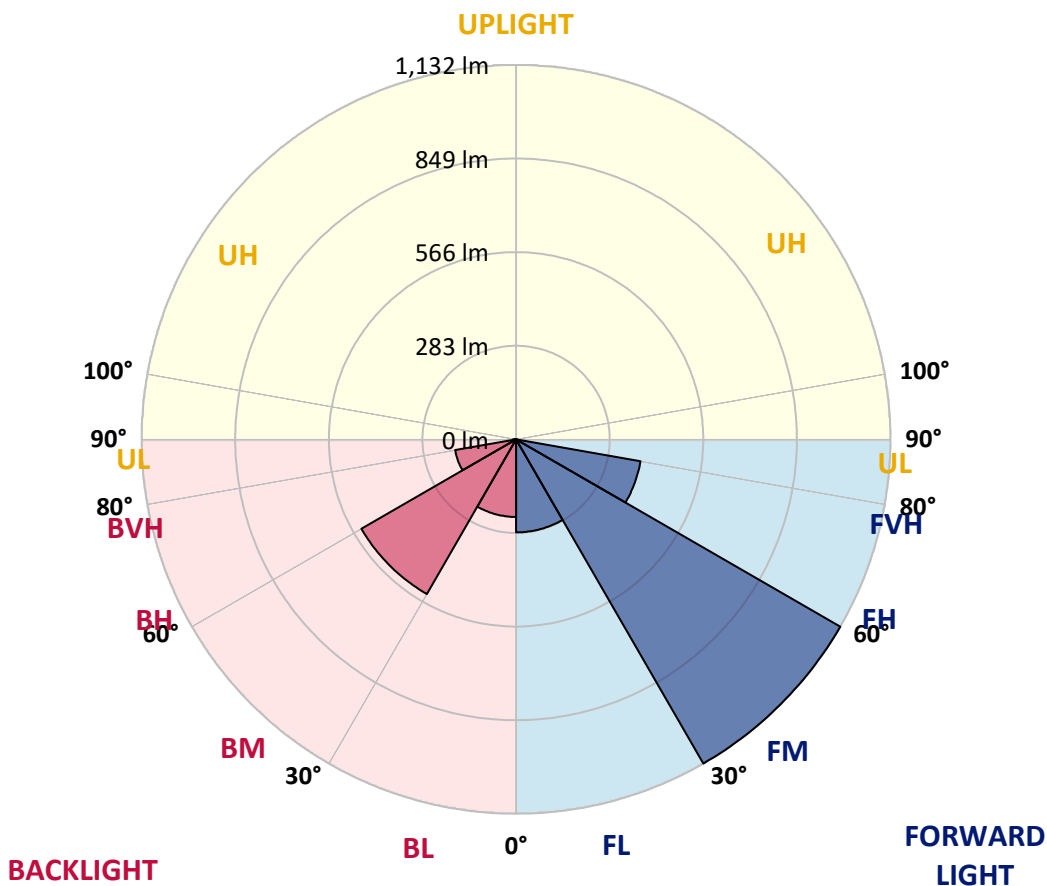
CATALOG NUMBER: GWS-SA1C-722-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	281.3	10.2			
FM (30°-60°)	1132.3	40.9			
FH (60°-80°)	382.2	13.8			G0/660
FVH (80°-90°)	3.4	0.1			G0/10
BL (0°-30°)	234.7	8.5	B1/500		
BM (30°-60°)	540.1	19.5	B1/1000		
BH (60°-80°)	187.1	6.8	B1/500		G1/500
BVH (80°-90°)	9.1	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°	569.1	569.1	569.1	569.1	569.1	569.1	569.1	569.1	569.1	569.1	569.1
2.5°	595.2	599.3	601.8	606.6	615.3	620.1	625.4	619.6	621.1	620.3	610.9
5°	630.5	635.3	641.9	656.1	672.1	681.0	689.4	688.1	680.2	667.0	657.6
7.5°	663.5	669.1	680.5	703.6	727.2	740.9	751.0	744.4	737.8	717.0	693.4
10°	689.4	692.7	708.2	739.1	766.5	782.0	794.5	792.9	783.8	760.4	728.7
12.5°	713.7	716.0	732.8	763.7	788.4	795.2	805.4	808.7	805.6	788.1	756.9
15°	739.9	744.2	759.7	783.3	794.5	787.3	790.9	800.0	808.7	808.7	780.0
17.5°	764.2	768.1	783.8	793.9	783.3	764.5	765.5	777.2	797.7	819.3	801.0
20°	785.8	789.4	804.9	795.2	761.5	734.0	733.3	747.5	780.7	826.2	823.6
22.5°	809.4	814.5	827.4	796.2	741.1	706.4	706.1	720.8	765.8	833.0	849.5
25°	842.9	850.8	857.4	805.1	730.2	688.4	691.7	705.6	760.9	844.2	887.9
27.5°	892.7	899.0	898.5	823.6	729.7	681.0	687.8	704.1	769.6	864.0	928.2
30°	946.5	949.8	944.5	849.5	741.4	685.6	695.7	715.0	791.4	896.7	987.6
32.5°	1006.1	1010.2	1000.0	888.4	768.6	719.3	741.7	751.0	822.1	943.9	1050.6
35°	1074.7	1082.5	1061.5	939.6	848.5	842.4	874.9	862.7	887.3	999.8	1117.8
37.5°	1146.7	1147.0	1116.8	1015.5	1005.4	1015.8	1080.8	1042.7	1025.7	1062.0	1186.3
40°	1207.9	1206.4	1159.9	1117.8	1141.9	1183.3	1261.7	1203.4	1158.7	1145.5	1243.2
42.5°	1269.1	1263.5	1216.5	1182.8	1236.1	1321.1	1409.7	1338.1	1244.0	1221.4	1299.3
45°	1347.3	1345.5	1288.9	1208.7	1321.1	1475.4	1593.0	1477.0	1294.5	1265.5	1392.7
47.5°	1473.4	1464.8	1359.4	1206.7	1400.8	1681.0	1829.5	1651.8	1329.8	1266.6	1543.5
50°	1596.8	1586.1	1443.7	1206.4	1483.1	1894.2	2108.7	1864.3	1365.8	1272.6	1696.8
52.5°	1721.4	1721.4	1582.0	1235.1	1569.4	2132.3	2431.3	2129.0	1427.2	1352.3	1885.4
55°	1795.5	1815.3	1737.6	1283.6	1670.4	2412.5	2750.4	2414.8	1522.1	1496.3	2059.5
57.5°	1701.3	1738.4	1727.2	1249.8	1730.0	2618.4	3020.9	2631.6	1569.1	1513.3	2033.3
60°	1386.4	1437.9	1463.5	1079.2	1671.1	2642.2	3077.5	2645.8	1472.1	1288.6	1741.7
62.5°	921.6	964.0	1003.1	771.1	1446.8	2377.0	2721.9	2377.8	1229.5	961.7	1206.7
65°	452.0	483.5	525.7	455.9	1130.3	1986.1	2122.2	1921.4	889.4	538.3	615.5
67.5°	118.3	127.2	133.0	176.9	809.7	1427.0	1384.1	1405.4	571.3	175.9	160.9
70°	61.4	61.9	61.7	73.1	547.2	906.9	953.8	882.5	398.7	73.6	63.5
72.5°	43.9	44.2	43.4	49.2	264.2	519.6	538.3	532.5	208.9	43.7	43.4
75°	28.7	28.9	28.4	28.9	39.8	59.1	54.6	57.4	34.8	27.7	27.7
77.5°	17.0	17.3	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	10.7	10.7	10.2	9.9	9.1	8.9	8.9
82.5°	6.9	7.1	6.9	6.9	6.3	6.3	5.8	5.6	4.8	4.8	4.6
85°	3.6	3.6	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°	569.1	569.1	569.1	569.1	569.1	569.1	569.1	569.1	569.1	569.1	569.1
2.5°	608.4	603.3	595.7	588.3	581.5	574.4	566.3	557.9	550.8	543.4	539.6
5°	645.2	634.8	615.0	597.5	581.8	568.8	554.8	542.9	531.7	522.6	518.0
7.5°	678.5	662.2	632.3	604.6	583.3	565.5	546.2	528.4	513.5	502.3	498.0
10°	709.2	689.9	650.5	615.5	590.6	570.8	547.2	523.1	503.3	488.6	485.0
12.5°	734.0	712.0	665.0	624.4	594.9	573.6	552.8	532.0	512.5	493.4	490.4
15°	756.1	730.0	675.9	630.0	593.4	566.3	548.8	546.2	546.2	524.6	518.5
17.5°	775.2	746.5	684.8	632.5	583.8	544.4	533.8	555.9	580.7	565.3	551.5
20°	797.0	762.2	692.2	632.5	566.0	516.8	515.8	553.3	590.1	590.4	575.9
22.5°	819.1	780.5	700.8	630.2	541.6	484.8	503.6	543.2	575.9	589.9	580.0
25°	854.9	805.9	714.5	628.5	513.2	463.0	492.7	529.7	557.4	572.1	565.8
27.5°	900.3	839.4	735.3	631.2	485.0	450.0	481.0	512.2	537.3	550.3	545.7
30°	951.1	878.0	757.6	636.1	464.7	443.4	467.0	492.2	514.5	527.4	525.4
32.5°	1015.8	919.8	776.9	629.5	453.3	440.1	452.3	470.3	491.9	500.0	501.8
35°	1093.2	966.0	791.7	603.6	442.9	436.6	436.3	447.5	462.7	475.7	476.9
37.5°	1164.5	1020.1	807.9	559.2	424.1	427.7	417.5	424.1	439.1	452.0	457.1
40°	1235.1	1074.9	830.5	502.6	399.5	407.9	396.0	400.5	412.5	429.5	437.6
42.5°	1303.6	1124.4	854.4	444.7	374.9	380.2	371.3	375.9	388.3	409.7	418.8
45°	1378.2	1191.4	872.9	390.1	353.6	351.3	344.2	350.8	369.6	392.9	403.8
47.5°	1519.4	1297.0	885.1	353.8	342.1	325.6	317.5	331.7	353.1	376.7	389.9
50°	1691.7	1449.8	881.5	330.7	332.2	299.3	296.5	315.2	338.1	362.7	377.2
52.5°	1828.3	1599.8	841.2	308.6	313.0	282.5	274.4	301.8	323.6	348.7	363.7
55°	1932.6	1650.3	717.3	282.5	281.5	270.3	253.3	287.8	309.2	332.5	348.7
57.5°	1847.5	1537.9	531.7	246.5	240.4	246.2	229.7	264.2	291.4	314.5	328.9
60°	1533.3	1226.2	296.2	218.3	201.0	215.2	212.7	239.4	272.1	296.5	308.9
62.5°	1040.9	816.5	175.6	172.6	163.0	183.3	196.7	214.2	246.5	266.3	277.9
65°	518.8	396.7	116.8	129.2	130.5	150.8	176.1	195.4	222.3	242.6	254.3
67.5°	150.5	123.4	88.8	98.7	112.4	128.7	149.0	171.8	198.0	222.1	235.8
70°	65.0	65.7	70.6	82.2	95.7	112.4	132.7	155.1	177.2	195.7	206.1
72.5°	45.9	47.7	53.0	65.0	77.7	93.7	114.0	135.5	151.5	170.3	181.2
75°	29.4	30.7	35.0	44.2	53.6	69.0	88.3	108.1	124.6	138.1	148.5
77.5°	16.2	16.5	20.1	25.4	31.7	41.6	55.8	71.3	83.5	91.1	100.5
80°	9.4	9.4	11.2	14.5	18.3	24.4	32.2	39.8	47.2	52.0	56.6
82.5°	5.1	5.1	5.8	7.9	9.9	13.5	18.0	21.8	26.4	28.9	32.0
85°	1.5	1.5	2.0	2.8	3.6	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°	569.1	569.1	569.1	569.1	569.1	569.1	569.1	569.1	569.1	569.1	569.1
2.5°	538.9	535.3	533.3	530.7	531.5	529.2	527.9	528.7	524.1	528.7	533.3
5°	516.3	511.2	507.1	503.8	502.3	499.3	497.5	497.5	494.7	499.3	504.8
7.5°	496.5	492.4	490.4	488.3	486.1	483.3	480.2	479.2	477.4	482.3	487.1
10°	483.3	483.8	485.0	487.8	487.3	485.6	481.0	478.4	478.4	484.0	491.4
12.5°	489.4	494.7	497.7	502.8	503.8	502.3	497.7	495.7	500.8	509.2	521.3
15°	513.0	516.5	519.1	523.1	522.9	521.6	518.0	519.6	536.3	552.6	563.5
17.5°	538.6	534.5	534.0	536.6	537.3	535.8	533.8	540.6	568.3	583.5	589.1
20°	557.1	543.2	540.1	541.1	543.2	542.4	542.4	553.6	582.3	589.4	582.3
22.5°	562.7	542.9	538.3	538.6	541.4	541.6	542.9	554.6	571.3	571.6	560.7
25°	553.8	534.8	531.5	532.0	535.3	535.0	535.6	542.2	549.5	546.5	538.3
27.5°	537.1	520.6	519.6	522.4	526.7	524.4	522.9	524.6	528.2	524.4	517.3
30°	518.0	504.1	504.6	509.9	514.5	510.7	506.9	507.9	508.1	504.1	496.0
32.5°	498.0	487.6	489.4	494.9	500.3	496.2	492.2	491.6	486.8	482.0	474.1
35°	477.9	473.9	476.2	480.7	485.3	482.0	479.5	477.9	467.5	460.4	453.8
37.5°	459.7	462.7	466.8	469.6	471.1	470.8	469.3	465.8	452.0	443.7	435.0
40°	443.4	452.8	457.1	458.4	460.7	460.2	459.9	454.8	436.8	427.9	418.0
42.5°	428.7	441.9	449.3	450.5	451.8	452.0	451.3	443.9	423.4	413.0	403.6
45°	414.5	431.7	441.1	439.9	441.6	441.6	442.4	432.8	410.2	399.5	389.6
47.5°	402.0	422.4	431.0	429.5	430.5	431.2	432.0	420.8	395.7	385.5	375.4
50°	390.6	412.2	419.6	420.1	420.1	421.8	421.6	410.7	383.5	372.6	362.5
52.5°	378.4	401.8	409.7	413.0	414.0	414.7	411.2	398.5	371.1	357.9	348.5
55°	364.2	391.1	398.2	402.6	404.6	404.1	399.3	386.3	358.4	345.2	334.5
57.5°	342.7	368.3	378.4	380.5	383.8	381.7	376.2	365.2	338.1	324.9	314.0
60°	319.0	337.6	345.7	347.5	344.9	345.7	344.9	334.5	310.9	300.5	289.4
62.5°	288.1	304.6	313.2	315.5	311.2	314.0	313.0	300.0	276.4	265.5	255.6
65°	264.7	282.8	292.9	294.2	292.9	294.2	290.6	274.9	252.5	241.4	231.2
67.5°	246.5	265.0	275.6	279.2	277.9	277.7	272.1	253.8	230.7	218.5	205.6
70°	215.0	231.2	244.9	253.6	253.6	248.7	238.1	221.1	202.5	192.1	182.0
72.5°	190.4	210.9	224.4	233.3	235.0	232.2	217.3	199.2	177.9	167.5	156.9
75°	156.9	176.9	191.4	203.1	205.3	202.3	185.0	167.3	147.5	137.3	126.7
77.5°	104.8	116.8	128.4	139.1	136.8	138.8	127.2	113.7	101.5	93.9	89.1
80°	59.1	67.0	70.6	76.4	76.4	76.4	68.8	62.4	55.6	51.3	46.4
82.5°	33.5	38.6	40.1	44.9	46.2	46.4	41.4	37.3	33.0	30.7	27.4
85°	15.5	18.3	18.5	21.3	22.3	24.4	22.1	19.3	16.8	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°	569.1	569.1	569.1	569.1	569.1	569.1	569.1	569.1	569.1	569.1
2.5°	538.9	544.9	552.1	557.1	566.3	573.9	581.8	590.4	596.7	595.2
5°	511.7	521.8	534.8	546.7	563.7	581.0	600.0	619.6	631.0	630.5
7.5°	496.5	510.9	526.7	542.7	562.7	587.6	616.8	647.2	662.7	663.5
10°	504.6	520.1	530.7	544.2	565.3	596.5	631.5	668.0	685.8	689.4
12.5°	530.2	529.0	528.2	537.8	563.2	602.8	645.7	689.4	709.4	713.7
15°	554.6	528.4	512.7	519.3	554.1	606.9	659.7	712.7	735.3	739.9
17.5°	559.2	519.6	490.4	494.9	539.6	608.1	673.1	735.6	759.9	764.2
20°	546.5	508.1	474.1	467.8	521.3	604.8	681.5	754.6	781.3	785.8
22.5°	530.5	498.0	461.9	445.5	499.0	601.5	690.9	774.7	805.4	809.4
25°	513.7	485.0	450.5	425.4	473.6	599.5	706.6	801.0	838.1	842.9
27.5°	496.0	469.3	440.6	415.8	450.3	602.1	729.0	843.7	885.8	892.7
30°	476.9	453.6	434.3	412.5	434.3	604.3	753.6	887.3	936.8	946.5
32.5°	457.1	439.1	427.7	414.0	424.4	599.0	775.2	936.3	997.8	1006.1
35°	437.3	424.4	419.3	416.8	411.2	579.5	792.7	985.8	1067.3	1074.7
37.5°	418.8	409.2	407.6	410.4	390.9	547.5	813.0	1048.8	1135.6	1146.7
40°	401.5	392.7	392.4	391.9	368.5	503.8	840.4	1112.7	1202.8	1207.9
42.5°	385.5	374.4	376.4	370.3	350.3	456.6	866.3	1167.3	1265.5	1269.1
45°	371.3	356.6	358.9	351.3	341.6	407.1	889.1	1231.8	1345.0	1347.3
47.5°	357.6	341.9	335.5	335.0	340.1	361.4	911.5	1355.9	1469.4	1473.4
50°	344.9	327.9	309.9	321.1	330.7	327.2	939.4	1488.9	1597.8	1596.8
52.5°	332.8	310.4	284.8	306.4	306.4	301.8	931.5	1569.6	1703.9	1721.4
55°	318.8	282.2	258.6	281.7	270.6	278.9	792.2	1596.0	1770.6	1795.5
57.5°	291.1	247.5	226.9	239.4	222.6	258.6	569.1	1465.0	1657.2	1701.3
60°	264.5	221.8	208.4	206.1	184.3	210.9	368.8	1147.0	1364.0	1386.4
62.5°	233.3	199.8	188.3	170.8	148.2	153.6	223.4	754.9	916.5	921.6
65°	209.7	181.0	159.1	138.3	121.3	111.4	132.0	364.0	458.1	452.0
67.5°	180.0	155.1	134.3	119.3	105.3	92.9	87.8	108.1	122.3	118.3
70°	160.2	136.3	116.2	102.0	89.1	76.7	67.8	63.7	62.4	61.4
72.5°	138.1	117.3	96.5	82.7	70.6	59.1	51.0	46.2	44.9	43.9
75°	110.2	90.6	71.6	58.6	48.0	39.8	34.5	30.5	29.7	28.7
77.5°	72.8	58.1	42.6	34.8	28.4	24.1	20.6	18.0	17.5	17.0
80°	40.1	33.5	26.1	21.1	17.0	14.7	13.5	11.9	11.7	11.4
82.5°	23.9	20.1	15.0	11.9	9.9	8.9	8.1	7.4	7.1	6.9
85°	11.9	9.4	6.6	5.6	5.1	4.6	4.6	3.8	3.6	3.6
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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