

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: P631113

Luminaire Tested: GWS-SA1F-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631113
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3310.7 lumens
Efficiency: N/A
Efficacy: 49.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

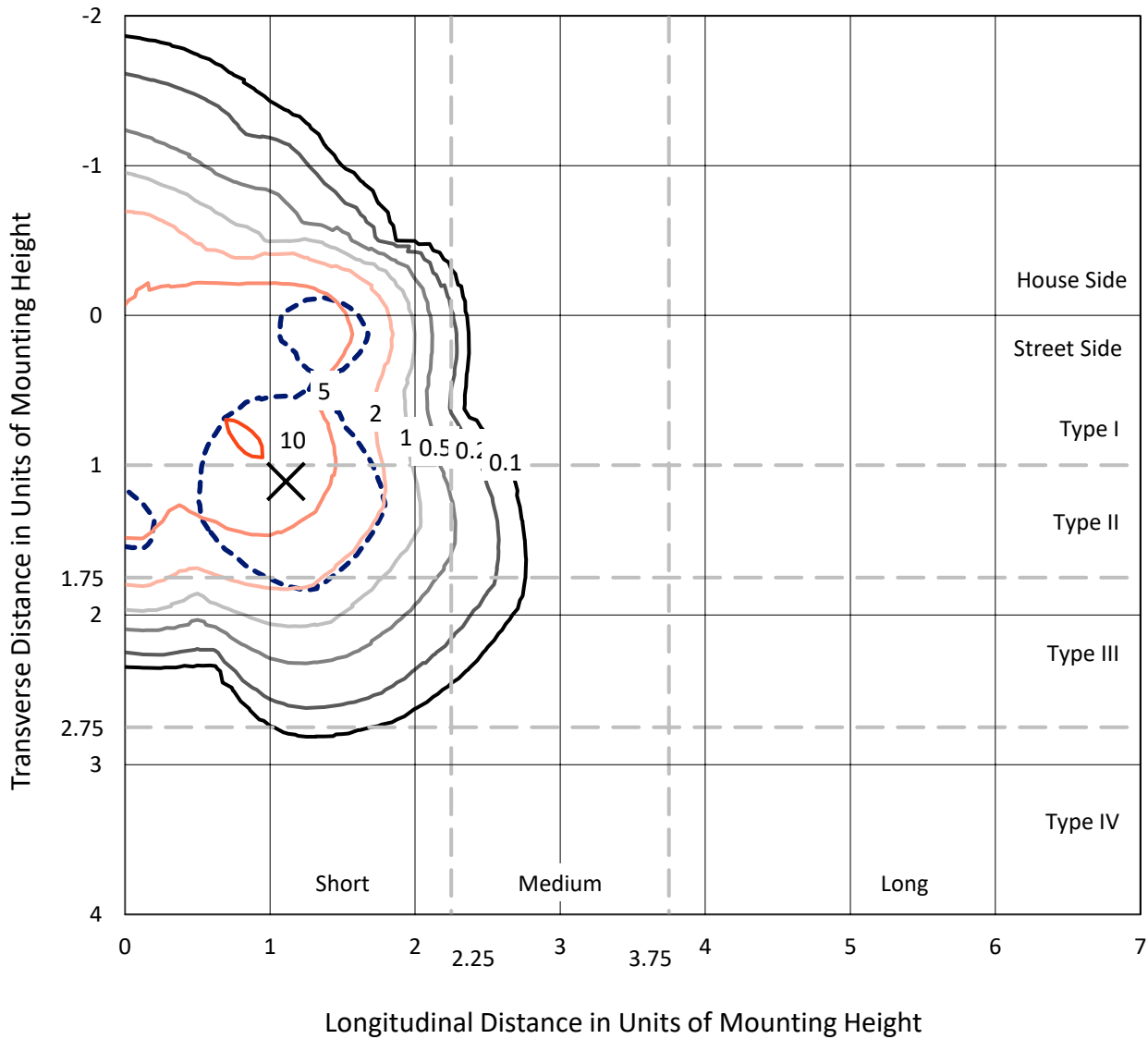
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

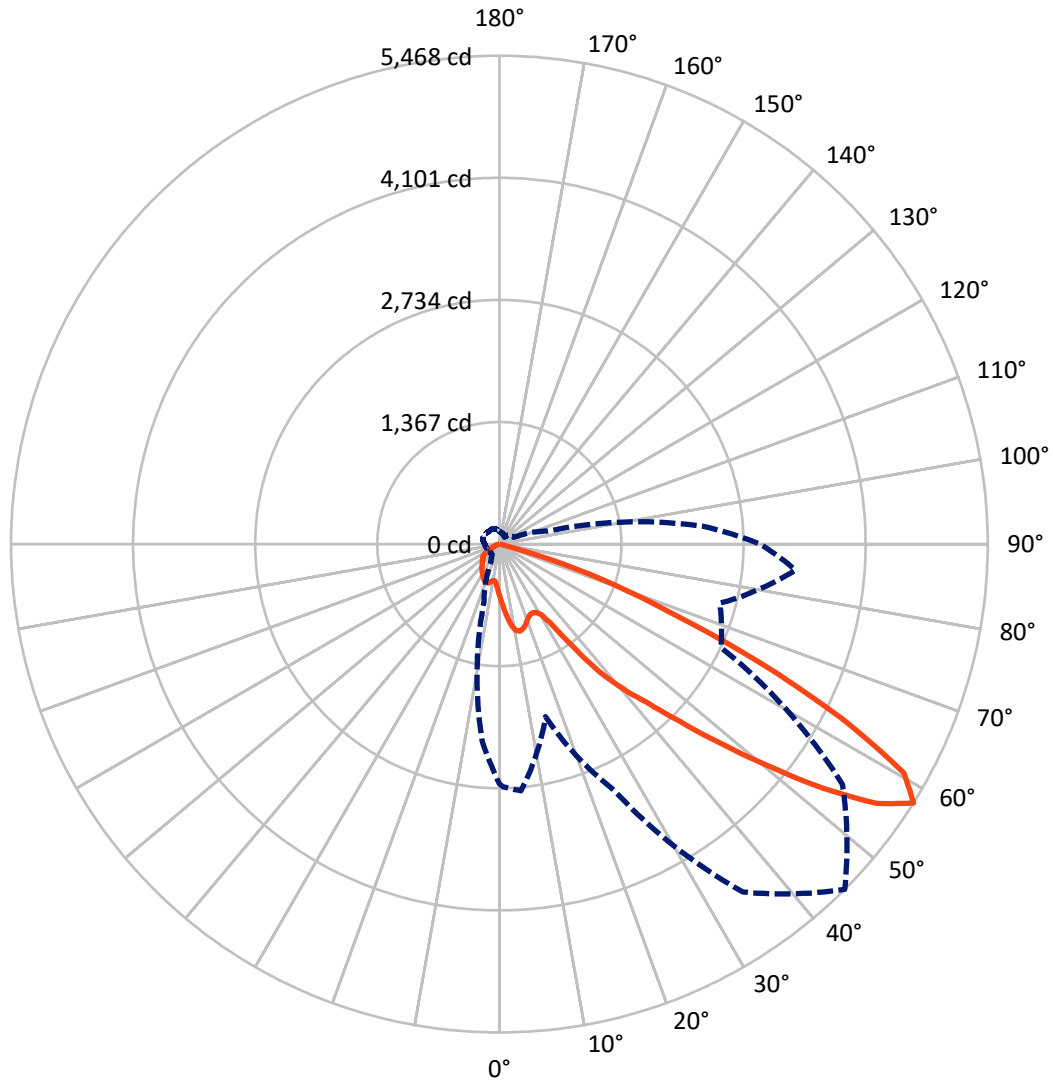
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	741.4	0.0	741.4
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	2569.3	0.0	2569.3
	% Fixture	77.6	0.0	77.6
Total	Lumens	3310.7	0.0	3310.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	1.7
10°-20°	185.2	5.6
20°-30°	300.8	9.1
30°-40°	464.8	14.0
40°-50°	745.3	22.5
50°-60°	1018.7	30.8
60°-70°	493.4	14.9
70°-80°	45.2	1.4
80°-90°	0.1	0.0
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°	3310.7	100.0
0°-180°	3310.7	100.0

Coefficient of Utilization



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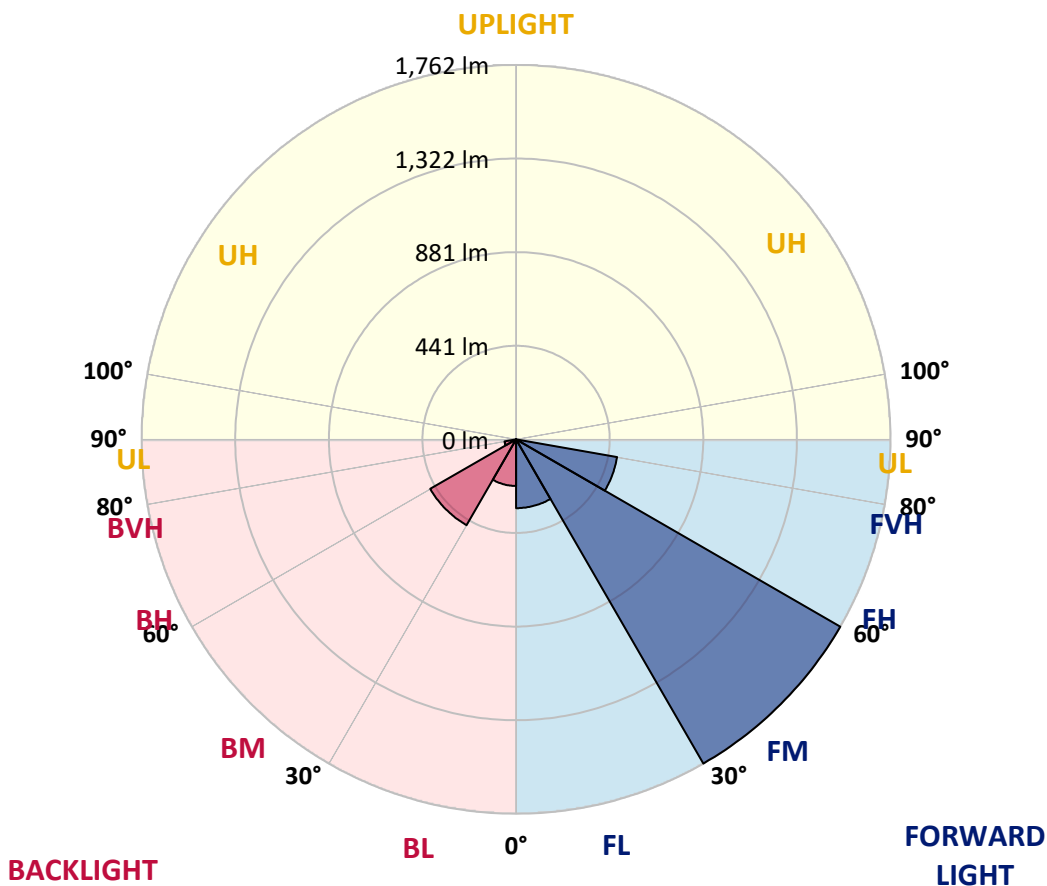
CATALOG NUMBER: GWS-SA1F-722-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.9	9.8			
FM (30°-60°)	1762.4	53.2			
FH (60°-80°)	483.0	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	219.4	6.6	B1/500		
BM (30°-60°)	466.4	14.1	B1/1000		
BH (60°-80°)	55.6	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9
2.5°	630.4	634.4	641.1	655.3	667.3	675.3	678.9	678.0	673.1	669.5	662.4
5°	698.0	698.0	710.9	743.4	768.3	783.9	791.9	787.0	777.2	761.6	737.6
7.5°	757.2	759.4	781.2	827.5	865.3	887.5	900.4	897.7	880.4	850.6	802.5
10°	803.4	806.1	835.0	891.5	936.0	958.7	977.8	979.6	960.5	920.9	865.7
12.5°	848.4	851.0	881.3	935.6	974.7	984.1	1001.0	1007.6	1002.7	974.7	917.3
15°	896.9	903.1	928.9	969.4	985.8	974.7	985.8	997.8	1014.3	1011.6	960.0
17.5°	944.5	948.9	975.2	989.4	971.2	942.2	947.6	961.8	999.2	1035.7	1002.3
20°	988.5	994.7	1016.5	997.8	942.7	897.7	898.2	916.9	973.8	1050.3	1045.4
22.5°	1034.8	1044.1	1059.7	1007.2	916.4	862.6	864.8	881.7	953.8	1064.1	1094.4
25°	1095.3	1104.2	1114.4	1030.3	908.0	845.3	853.7	869.3	953.8	1087.7	1154.9
27.5°	1177.1	1183.4	1183.8	1073.5	922.7	847.9	865.7	883.5	982.3	1134.9	1235.9
30°	1279.9	1289.7	1276.8	1140.6	968.5	883.5	909.8	932.0	1043.7	1214.5	1355.1
32.5°	1404.9	1418.7	1401.3	1240.3	1064.1	1006.3	1053.9	1066.8	1141.5	1329.7	1490.3
35°	1551.7	1563.3	1544.6	1378.2	1287.5	1298.1	1384.4	1368.0	1338.2	1471.6	1648.2
37.5°	1712.8	1723.4	1687.4	1587.3	1617.6	1663.8	1801.7	1745.2	1649.1	1654.5	1819.5
40°	1860.4	1872.0	1815.5	1814.6	1876.9	1961.4	2127.8	2050.0	1919.2	1893.8	1980.1
42.5°	2013.5	2021.5	1970.3	1935.6	2077.1	2251.0	2427.2	2322.2	2098.0	2070.4	2181.2
45°	2231.9	2248.8	2157.6	1995.2	2257.3	2584.3	2829.8	2624.7	2219.9	2197.7	2489.1
47.5°	2553.1	2565.6	2379.6	2032.6	2425.0	2999.3	3333.0	3017.1	2327.1	2276.4	2909.9
50°	2818.7	2827.2	2583.8	2073.5	2603.4	3446.9	3906.4	3482.4	2447.7	2406.8	3302.7
52.5°	3014.4	3046.5	2852.1	2157.6	2837.8	3973.1	4541.2	4033.6	2635.9	2658.5	3628.4
55°	3054.9	3098.5	3035.4	2209.2	3044.3	4509.2	5127.6	4527.0	2823.6	2849.4	3737.8
57.5°	2684.8	2719.5	2772.0	2001.0	3039.4	4754.8	5467.9	4690.7	2738.2	2555.3	3328.1
60°	2011.3	2035.3	2130.5	1529.5	2795.1	4537.7	5202.8	4412.2	2394.3	1949.9	2535.8
62.5°	1192.7	1203.4	1323.9	990.7	2320.0	3907.7	4314.8	3807.2	1892.0	1311.5	1553.0
65°	457.8	453.3	545.4	488.9	1706.1	3112.8	3209.3	2902.3	1298.1	601.0	592.1
67.5°	70.7	67.6	91.2	144.6	1230.5	2157.2	2117.6	2091.8	813.2	140.1	122.3
70°	16.0	16.0	19.6	42.7	751.8	1267.4	1356.4	1293.2	520.5	29.8	16.0
72.5°	7.6	7.6	9.3	18.2	272.3	522.3	608.6	599.2	169.1	9.8	5.8
75°	2.7	3.1	3.1	4.0	16.5	27.1	62.3	44.5	10.7	0.0	0.0
77.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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°	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9
2.5°	646.8	643.7	632.2	616.6	601.5	588.1	574.3	557.9	545.9	532.1	527.6
5°	718.9	699.3	667.8	634.8	604.6	578.8	553.9	527.2	507.6	488.0	481.4
7.5°	779.9	750.9	699.8	650.4	609.0	572.5	536.5	500.0	471.6	448.4	441.3
10°	834.6	801.2	732.7	671.8	619.7	577.4	533.8	488.0	451.1	423.5	416.8
12.5°	881.7	843.0	760.7	687.8	624.2	575.7	533.4	496.9	463.6	432.0	423.5
15°	921.3	878.6	784.3	698.4	617.5	553.4	516.5	510.7	508.0	473.3	456.9
17.5°	960.0	912.0	803.4	703.3	598.8	514.3	487.6	513.8	541.9	519.2	498.3
20°	1000.5	945.8	823.0	704.2	567.7	470.2	465.8	507.2	542.7	535.6	516.1
22.5°	1048.1	988.1	847.5	703.8	528.5	432.9	449.8	494.3	523.2	522.7	507.2
25°	1117.1	1041.4	880.4	706.5	485.8	403.9	432.0	472.5	496.0	495.1	482.2
27.5°	1190.9	1105.1	923.1	713.1	449.3	387.0	411.1	442.6	463.1	462.2	451.1
30°	1294.6	1178.5	964.0	713.6	423.1	378.1	387.9	409.7	429.3	427.1	418.6
32.5°	1420.5	1261.2	998.3	688.2	406.6	369.7	363.9	375.0	390.2	387.0	384.8
35°	1572.6	1359.5	1027.7	632.6	381.3	352.8	337.2	339.4	350.1	351.9	351.0
37.5°	1746.1	1476.5	1064.1	559.2	347.0	328.3	307.4	305.6	311.9	317.6	322.1
40°	1917.4	1608.2	1113.5	484.9	315.9	297.2	277.2	272.7	275.4	285.6	294.9
42.5°	2110.0	1760.8	1166.9	421.3	294.5	262.9	243.8	235.3	242.9	259.4	270.5
45°	2387.6	1974.8	1218.9	370.6	285.6	232.7	206.9	206.0	214.4	235.8	248.2
47.5°	2777.3	2251.5	1253.2	331.0	285.2	209.1	178.4	183.7	193.5	214.4	228.7
50°	3157.2	2598.0	1215.4	300.7	275.8	193.5	157.0	167.7	177.5	195.7	210.4
52.5°	3386.4	2784.4	1068.1	272.3	246.9	186.4	136.1	154.8	156.6	173.1	188.6
55°	3362.3	2663.9	818.1	228.2	204.2	176.2	114.3	139.7	140.6	153.0	166.4
57.5°	2918.4	2287.1	561.9	185.1	153.5	145.5	94.3	117.9	126.3	133.9	143.7
60°	2175.0	1668.7	250.5	150.4	97.4	98.3	80.5	89.0	101.9	110.8	119.2
62.5°	1281.7	960.0	101.9	90.3	53.8	61.8	65.0	65.0	73.0	79.6	85.0
65°	484.5	335.9	41.4	45.4	28.0	28.9	38.3	47.2	53.4	59.2	66.3
67.5°	85.0	58.7	21.4	16.9	16.5	14.7	19.6	30.7	34.3	38.7	41.8
70°	14.2	12.0	8.9	8.5	7.6	8.0	12.9	21.8	24.0	25.4	26.7
72.5°	4.0	3.6	2.7	2.2	1.8	2.2	8.0	16.9	17.8	18.7	20.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	12.0	12.9	13.3	14.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	3.6	4.4	3.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9
2.5°	524.9	516.1	511.2	508.5	508.5	504.9	500.9	499.6	505.4	505.4	515.2
5°	472.9	465.8	457.8	452.9	445.3	446.7	442.2	441.8	447.5	450.2	460.4
7.5°	436.9	428.0	423.1	420.0	416.0	414.2	410.2	408.8	412.0	416.4	426.2
10°	412.8	411.5	411.1	413.3	413.3	411.1	407.5	405.3	406.2	414.6	425.7
12.5°	419.1	421.7	422.6	426.2	428.0	426.2	423.5	424.4	430.2	445.8	462.2
15°	446.2	444.0	443.1	444.9	446.2	444.4	443.5	450.2	470.2	492.5	511.2
17.5°	475.1	460.9	454.7	454.7	455.5	454.7	455.5	468.4	500.9	523.2	537.0
20°	489.8	463.6	453.8	451.5	453.3	453.8	456.9	471.6	507.2	522.7	525.8
22.5°	485.4	452.4	441.3	439.5	441.3	443.1	446.2	458.7	492.0	500.0	498.7
25°	463.1	430.6	421.7	421.7	425.7	425.3	426.6	435.5	463.1	468.0	465.8
27.5°	435.1	404.4	396.8	401.3	404.8	403.9	404.4	412.0	432.4	433.7	431.5
30°	406.6	379.9	372.8	378.1	383.0	382.1	382.6	390.2	403.1	401.7	398.6
32.5°	377.7	358.1	352.8	355.9	363.5	362.6	364.3	372.4	377.3	371.5	367.9
35°	351.0	340.8	336.8	338.5	344.3	345.7	348.8	354.1	354.1	347.0	340.8
37.5°	326.1	324.8	322.1	319.9	325.2	329.2	333.7	339.9	331.0	320.8	315.0
40°	303.0	308.7	305.2	299.4	302.5	308.3	317.2	322.1	311.4	301.2	291.4
42.5°	281.6	291.4	290.1	282.9	285.6	290.9	301.2	305.2	292.7	281.2	271.8
45°	261.1	274.9	275.8	266.9	269.6	274.9	286.9	288.3	272.3	259.8	253.1
47.5°	243.3	258.5	258.9	252.2	253.1	260.7	271.8	272.3	254.0	242.5	234.0
50°	226.4	243.8	245.1	239.3	240.2	249.1	258.5	256.7	237.1	225.1	217.5
52.5°	206.0	229.6	232.7	230.0	233.6	240.7	246.5	240.2	217.5	205.5	198.9
55°	183.7	214.4	221.1	219.3	223.3	229.1	230.4	226.4	198.0	186.0	179.7
57.5°	157.9	176.6	188.2	184.6	187.7	193.5	197.5	194.4	173.1	163.7	158.4
60°	130.8	143.2	145.9	140.1	137.5	147.7	157.0	153.0	134.8	129.0	122.8
62.5°	95.6	109.9	111.7	104.1	101.0	112.1	120.1	116.1	96.1	89.9	85.0
65°	76.5	89.9	93.4	86.3	84.5	93.0	97.9	88.1	73.8	67.2	61.8
67.5°	50.3	60.9	70.3	69.8	66.3	69.0	65.4	57.4	47.2	43.6	40.0
70°	31.1	37.4	43.2	45.4	44.9	44.0	39.1	33.4	30.3	28.9	27.1
72.5°	24.0	30.3	34.7	36.0	36.5	35.1	31.1	25.8	22.7	20.9	19.6
75°	17.8	22.7	26.2	28.0	28.9	28.0	24.0	20.5	17.3	16.0	14.7
77.5°	6.2	7.6	9.3	10.2	9.8	9.3	8.5	8.5	6.7	6.2	5.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9
2.5°	526.3	534.3	549.0	562.3	576.6	591.2	607.2	623.7	631.3	630.4
5°	476.0	493.4	517.4	543.6	573.0	604.6	639.7	675.8	691.3	698.0
7.5°	444.4	468.9	500.5	533.8	572.5	617.5	670.4	726.9	749.6	757.2
10°	448.4	476.9	503.1	535.6	577.0	635.3	701.1	768.3	795.0	803.4
12.5°	480.9	487.1	494.3	520.9	573.0	648.6	729.1	809.2	839.9	848.4
15°	510.3	481.4	468.0	492.5	558.8	658.0	757.6	853.3	887.1	896.9
17.5°	511.6	468.0	438.2	457.3	535.6	662.0	785.6	898.2	935.1	944.5
20°	495.1	453.3	415.1	415.5	504.0	661.1	808.8	938.7	980.1	988.5
22.5°	471.1	436.0	396.4	382.6	470.2	659.3	834.1	981.8	1026.8	1034.8
25°	444.4	413.7	378.6	357.7	436.4	661.1	869.7	1038.3	1087.7	1095.3
27.5°	415.5	389.3	364.8	347.9	407.9	667.8	912.4	1110.4	1169.1	1177.1
30°	385.3	365.7	355.9	345.7	390.2	669.5	958.7	1194.5	1268.8	1279.9
32.5°	355.5	344.8	345.2	347.0	373.2	657.1	1001.0	1287.9	1387.1	1404.9
35°	327.9	324.8	333.7	342.6	348.8	625.0	1037.9	1398.2	1533.5	1551.7
37.5°	304.3	307.0	318.1	327.0	322.1	579.7	1086.8	1536.1	1697.2	1712.8
40°	281.6	288.3	301.2	305.2	301.6	526.7	1145.5	1669.2	1839.1	1860.4
42.5°	260.7	265.6	283.8	284.7	295.8	472.9	1202.0	1812.4	2002.4	2013.5
45°	243.8	242.9	261.6	267.4	303.4	413.3	1257.2	2003.3	2215.9	2231.9
47.5°	227.3	226.4	230.9	257.1	306.5	358.1	1311.9	2282.6	2525.5	2553.1
50°	211.8	213.1	199.3	252.2	289.6	315.9	1336.8	2541.1	2807.1	2818.7
52.5°	198.0	193.1	169.1	236.2	253.6	275.8	1266.1	2658.5	2981.5	3014.4
55°	178.4	151.3	139.2	191.7	200.2	240.7	1037.0	2590.5	2996.7	3054.9
57.5°	152.6	118.8	118.3	141.5	141.5	223.3	664.2	2213.2	2582.5	2684.8
60°	117.4	92.1	97.9	98.3	90.8	162.8	372.8	1603.3	1909.4	2011.3
62.5°	83.6	70.3	73.8	58.7	52.0	81.4	178.8	923.1	1178.5	1192.7
65°	56.1	47.6	38.7	32.5	32.0	34.7	73.8	333.7	405.7	457.8
67.5°	36.9	28.9	20.5	20.5	23.1	23.1	28.0	55.2	77.4	70.7
70°	24.0	20.0	12.9	12.5	15.1	15.1	14.2	15.1	16.0	16.0
72.5°	17.8	15.1	7.6	6.7	8.5	8.9	8.0	7.6	7.6	7.6
75°	13.3	10.7	4.4	3.1	4.0	5.3	4.4	3.1	3.1	2.7
77.5°	5.3	4.0	1.8	1.3	2.2	3.1	2.7	1.3	0.9	0.9
80°	0.4	0.9	0.9	0.9	1.3	1.8	2.2	0.9	0.4	0.4
82.5°	0.0	0.4	0.4	0.4	0.9	1.3	1.8	0.9	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.9	1.3	0.9	0.4	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.4	1.3	0.9	0.4	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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