

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: P635570

Luminaire Tested: GWS-SA3E-722-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10052.9 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

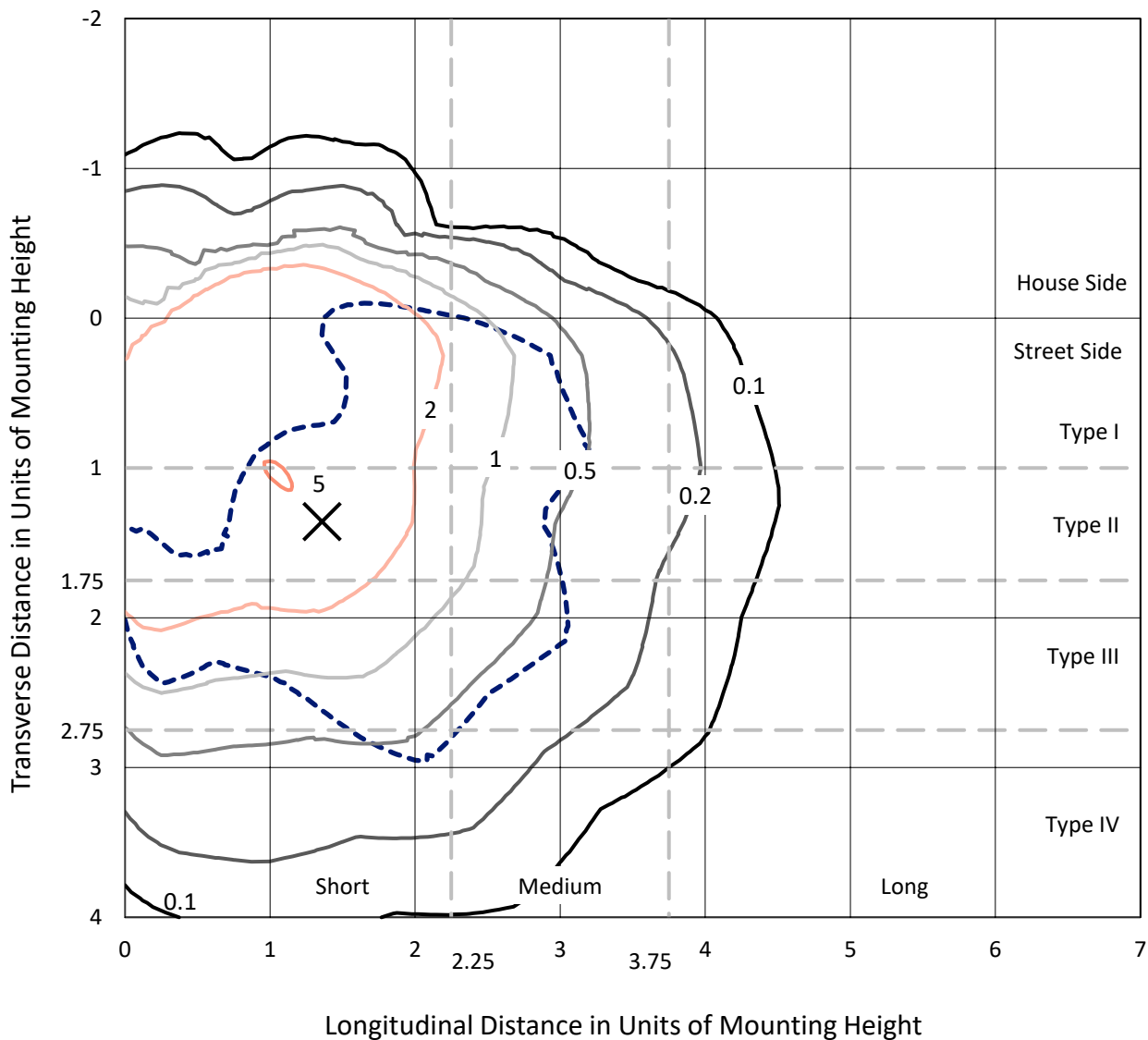
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

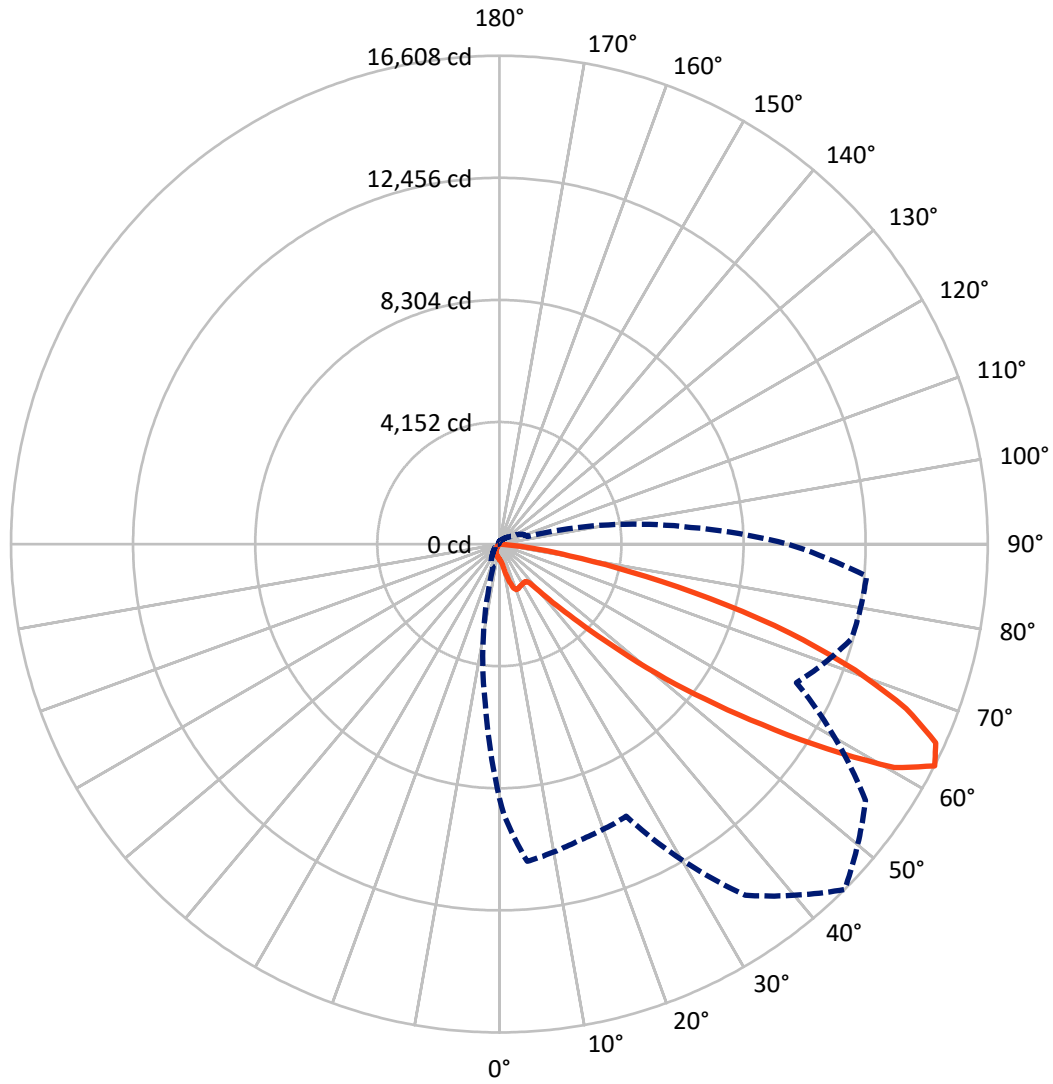
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - 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	1240.5	0.0	1240.5
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	8812.4	0.0	8812.4
	% Fixture	87.7	0.0	87.7
Total	Lumens	10052.9	0.0	10052.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	0.5
10°-20°	175.3	1.7
20°-30°	381.0	3.8
30°-40°	625.4	6.2
40°-50°	1149.6	11.4
50°-60°	2468.8	24.6
60°-70°	3316.0	33.0
70°-80°	1726.7	17.2
80°-90°	163.7	1.6
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°	10052.9	100.0
0°-180°	10052.9	100.0

Coefficient of Utilization



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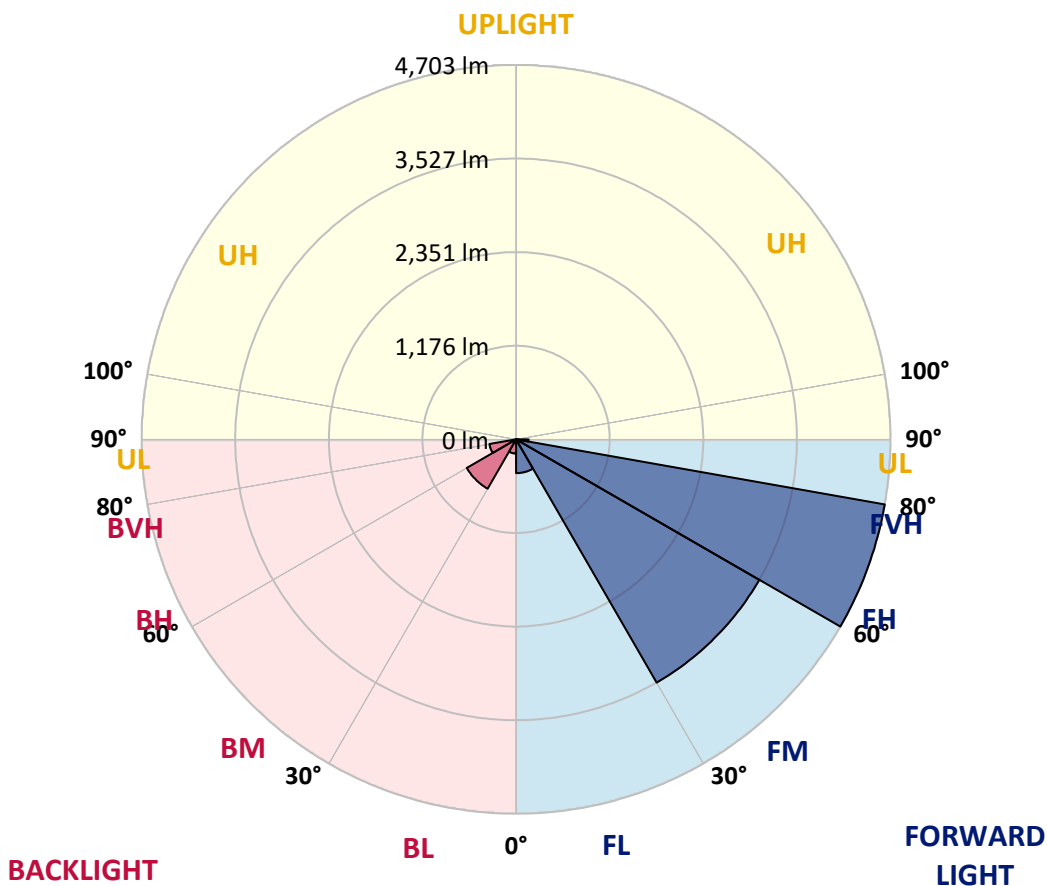
CATALOG NUMBER: GWS-SA3E-722-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	424.7	4.2			
FM (30°-60°)	3528.5	35.1			
FH (60°-80°)	4702.8	46.8			G2/5000
FVH (80°-90°)	156.4	1.6			G2/225
BL (0°-30°)	177.9	1.8	B1/500		
BM (30°-60°)	715.4	7.1	B1/1000		
BH (60°-80°)	339.9	3.4	B1/500		G1/500
BVH (80°-90°)	7.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5
2.5°	533.0	535.3	537.6	545.8	551.6	556.2	557.4	553.9	545.8	537.6	526.0
5°	516.7	519.1	527.2	549.2	571.3	588.7	594.5	591.1	571.3	545.8	519.1
7.5°	515.6	520.2	540.0	586.4	634.0	670.0	679.3	671.2	634.0	582.9	528.3
10°	557.4	565.5	594.5	678.1	765.2	829.1	854.6	819.8	760.6	667.7	578.3
12.5°	666.5	680.5	736.2	858.1	992.8	1077.6	1112.4	1069.5	976.6	841.9	700.2
15°	838.4	859.3	942.9	1125.2	1284.3	1359.8	1371.4	1347.0	1239.0	1090.4	899.9
17.5°	1081.1	1111.3	1241.3	1427.1	1542.1	1568.8	1565.3	1539.8	1460.8	1358.6	1178.6
20°	1371.4	1407.4	1535.1	1688.4	1700.0	1668.6	1651.2	1636.1	1609.4	1592.0	1451.5
22.5°	1664.0	1708.1	1841.7	1880.0	1775.5	1684.9	1641.9	1653.6	1693.0	1779.0	1722.1
25°	1955.5	1997.3	2122.7	2019.3	1810.3	1659.4	1604.8	1632.6	1726.7	1912.5	1985.7
27.5°	2295.7	2327.0	2401.4	2114.5	1816.1	1638.5	1585.0	1628.0	1743.0	1996.1	2274.8
30°	2649.9	2668.4	2632.4	2140.1	1796.4	1607.1	1565.3	1628.0	1770.8	2051.8	2491.9
32.5°	2910.0	2913.5	2796.2	2142.4	1785.9	1581.6	1546.7	1621.0	1797.5	2098.3	2702.1
35°	3178.2	3160.8	2952.9	2177.3	1813.8	1590.8	1560.7	1640.8	1839.3	2152.9	2886.7
37.5°	3449.9	3418.6	3128.3	2234.2	1885.8	1691.9	1673.3	1741.8	1906.7	2228.3	3090.0
40°	3728.6	3685.7	3310.6	2320.1	2046.0	2035.6	2099.5	2091.3	2091.3	2324.7	3299.0
42.5°	4068.8	4018.9	3580.0	2562.8	2419.9	2653.3	2827.5	2719.5	2519.8	2546.5	3570.7
45°	4518.2	4475.3	4046.8	3027.3	3006.3	3542.8	3777.4	3563.7	3066.7	3058.6	4024.7
47.5°	5237.0	5228.9	4791.1	3566.0	3724.0	4675.0	5127.9	4716.8	3690.3	3600.9	4884.0
50°	6247.3	6222.9	5718.9	4197.7	4577.5	6077.7	6885.9	6200.8	4443.9	4233.7	6034.8
52.5°	7385.2	7410.8	7018.3	4887.5	5484.4	7638.4	8763.6	7900.8	5262.6	5038.5	7482.8
55°	8457.0	8603.3	8500.0	5694.5	6370.3	9361.6	10825.9	9765.7	6276.3	6091.7	9106.1
57.5°	9295.4	9707.6	10432.2	6867.3	7411.9	11377.4	13128.5	11787.3	7459.6	7802.1	11315.9
60°	9341.9	9887.6	11570.2	9321.0	8752.0	13106.5	15427.7	13762.6	9319.8	10706.3	13047.3
62.5°	8641.7	9226.9	10829.4	10435.7	10211.6	14577.7	16607.5	15202.4	11149.9	12407.4	12534.0
65°	7840.4	8431.5	10002.6	9171.2	10042.1	14515.0	16307.9	15236.1	11315.9	11250.9	11615.5
67.5°	6629.3	7160.0	8582.4	8118.0	9255.9	13814.8	14923.8	14275.8	10425.3	10522.8	10685.4
70°	4838.7	5349.7	6669.9	6693.2	8083.1	12552.6	12823.1	12733.7	9600.8	9704.2	9239.7
72.5°	3495.2	3926.0	5065.2	5489.0	6452.8	10526.3	10339.3	10684.2	8237.6	8642.8	7421.2
75°	2512.8	2835.7	3715.8	4774.9	5115.1	7817.2	7401.5	8274.7	6609.6	7442.1	5579.6
77.5°	1019.5	1133.3	1462.0	3216.5	3361.7	5259.1	4531.0	6010.4	4712.2	4889.8	2704.4
80°	41.8	46.4	60.4	1660.5	2305.0	2958.7	2424.6	3213.0	3112.0	1969.4	638.7
82.5°	4.6	4.6	10.5	478.4	1009.1	1632.6	1142.6	1851.0	1575.7	834.9	290.3
85°	1.2	1.2	2.3	54.6	236.9	261.3	154.4	567.8	732.7	341.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	10.5	11.6	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°	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5
2.5°	526.0	520.2	513.3	506.3	502.8	493.5	490.0	487.7	485.4	486.5	486.5
5°	508.6	495.8	480.7	465.6	457.5	448.2	443.6	441.3	442.4	447.1	447.1
7.5°	506.3	481.9	449.4	429.6	420.4	413.4	408.7	406.4	407.6	413.4	415.7
10°	544.6	501.6	443.6	409.9	399.5	392.5	387.8	384.4	382.0	386.7	387.8
12.5°	627.0	567.8	471.4	407.6	389.0	379.7	376.2	369.3	365.8	368.1	369.3
15°	797.7	695.6	527.2	416.9	379.7	369.3	363.5	357.6	351.8	350.7	351.8
17.5°	1020.7	874.4	612.0	438.9	372.7	360.0	351.8	343.7	335.6	334.4	333.3
20°	1297.1	1093.9	730.4	473.8	366.9	351.8	340.2	328.6	318.2	314.7	314.7
22.5°	1549.0	1358.6	882.5	516.7	358.8	340.2	326.3	312.4	300.8	294.9	293.8
25°	1856.8	1639.6	1064.8	566.7	347.2	325.1	310.0	296.1	284.5	277.5	275.2
27.5°	2166.8	1935.7	1271.5	631.7	333.3	310.0	296.1	283.3	270.6	262.4	260.1
30°	2467.6	2255.1	1503.8	713.0	322.8	294.9	283.3	270.6	258.9	246.2	242.7
32.5°	2790.4	2581.3	1763.9	803.6	314.7	284.5	271.7	260.1	245.0	233.4	227.6
35°	3101.6	2918.1	2050.7	891.8	306.6	275.2	261.3	249.7	233.4	220.6	212.5
37.5°	3415.1	3260.7	2350.3	945.2	294.9	262.4	249.7	240.4	221.8	206.7	197.4
40°	3747.2	3614.8	2674.2	923.2	284.5	248.5	241.5	231.1	210.2	192.8	181.1
42.5°	4111.8	3952.7	3004.0	838.4	275.2	236.9	229.9	219.5	199.7	178.8	163.7
45°	4570.5	4323.2	3274.6	710.7	279.8	225.3	211.3	209.0	190.4	163.7	145.2
47.5°	5358.9	4892.1	3484.8	628.2	311.2	212.5	196.2	202.0	182.3	148.6	127.7
50°	6565.4	5835.0	3681.0	622.4	358.8	206.7	182.3	197.4	174.2	133.5	112.6
52.5°	7715.0	6793.0	3806.4	673.5	400.6	221.8	168.4	191.6	168.4	123.1	102.2
55°	8814.7	7345.8	3582.3	710.7	440.1	267.1	157.9	182.3	161.4	117.3	98.7
57.5°	10000.3	7591.9	2820.6	786.1	468.0	305.4	160.2	168.4	152.1	113.8	97.5
60°	10354.4	7277.2	1702.3	884.8	452.9	317.0	177.7	149.8	139.3	106.8	94.1
62.5°	9804.0	6530.6	1004.4	805.9	440.1	299.6	203.2	138.2	126.6	97.5	87.1
65°	8980.7	5516.9	654.9	680.5	466.8	267.1	216.0	132.4	115.0	88.3	76.6
67.5°	8040.2	4443.9	458.7	401.8	430.8	240.4	182.3	131.2	103.3	74.3	62.7
70°	6772.1	3328.0	322.8	265.9	358.8	213.7	141.7	127.7	90.6	60.4	48.8
72.5°	5232.4	2083.2	240.4	171.9	255.5	174.2	112.6	108.0	73.2	49.9	37.2
75°	3858.7	1187.9	169.5	124.2	168.4	132.4	83.6	76.6	62.7	47.6	33.7
77.5°	2014.7	594.5	105.7	95.2	96.4	82.4	60.4	55.7	58.1	47.6	31.4
80°	386.7	118.4	63.9	69.7	52.3	52.3	44.1	46.4	51.1	38.3	26.7
82.5°	161.4	25.5	34.8	39.5	32.5	36.0	36.0	37.2	36.0	27.9	19.7
85°	0.0	0.0	15.1	16.3	22.1	22.1	18.6	18.6	18.6	16.3	11.6
87.5°	0.0	0.0	0.0	0.0	1.2	3.5	7.0	8.1	9.3	7.0	4.6
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°	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5
2.5°	485.4	483.1	486.5	488.9	491.2	491.2	488.9	486.5	483.1	486.5	483.1
5°	448.2	451.7	457.5	459.8	462.2	457.5	455.2	448.2	442.4	443.6	441.3
7.5°	419.2	422.7	429.6	434.3	434.3	432.0	425.0	418.0	408.7	408.7	407.6
10°	392.5	397.1	405.3	411.1	413.4	411.1	404.1	394.8	386.7	386.7	383.2
12.5°	370.4	376.2	385.5	393.6	396.0	393.6	386.7	377.4	368.1	368.1	365.8
15°	351.8	358.8	369.3	378.6	382.0	378.6	370.4	358.8	349.5	350.7	347.2
17.5°	334.4	340.2	354.2	364.6	368.1	364.6	354.2	339.1	329.8	332.1	329.8
20°	314.7	321.7	335.6	347.2	350.7	347.2	335.6	319.3	310.0	310.0	311.2
22.5°	293.8	300.8	314.7	322.8	327.5	324.0	312.4	297.3	288.0	288.0	289.1
25°	275.2	278.7	289.1	297.3	298.4	294.9	285.7	274.0	267.1	270.6	271.7
27.5°	257.8	257.8	262.4	267.1	265.9	262.4	258.9	249.7	248.5	252.0	255.5
30°	239.2	233.4	231.1	227.6	226.4	225.3	228.8	228.8	231.1	235.7	239.2
32.5°	223.0	211.3	200.9	190.4	184.6	189.3	198.6	206.7	214.8	221.8	225.3
35°	204.4	185.8	168.4	154.4	145.2	152.1	167.2	182.3	196.2	205.5	211.3
37.5°	185.8	159.1	138.2	120.8	113.8	119.6	135.9	156.8	177.7	189.3	197.4
40°	166.1	132.4	108.0	94.1	87.1	92.9	109.2	130.1	157.9	173.0	183.5
42.5°	146.3	109.2	87.1	73.2	69.7	73.2	85.9	106.8	137.0	155.6	169.5
45°	126.6	90.6	69.7	59.2	55.7	59.2	69.7	87.1	117.3	138.2	154.4
47.5°	109.2	76.6	58.1	48.8	46.4	49.9	58.1	73.2	98.7	119.6	138.2
50°	95.2	67.3	49.9	41.8	39.5	43.0	49.9	61.5	83.6	102.2	121.9
52.5°	85.9	62.7	44.1	36.0	34.8	37.2	43.0	52.3	70.8	87.1	105.7
55°	83.6	62.7	40.6	32.5	31.4	33.7	38.3	45.3	61.5	75.5	91.7
57.5°	85.9	67.3	38.3	27.9	26.7	29.0	33.7	39.5	53.4	65.0	80.1
60°	85.9	68.5	33.7	22.1	20.9	23.2	27.9	34.8	47.6	56.9	69.7
62.5°	77.8	62.7	27.9	17.4	15.1	17.4	23.2	29.0	41.8	51.1	61.5
65°	67.3	53.4	23.2	12.8	10.5	12.8	18.6	24.4	36.0	44.1	55.7
67.5°	54.6	40.6	17.4	9.3	7.0	9.3	13.9	19.7	30.2	38.3	49.9
70°	40.6	29.0	13.9	8.1	7.0	8.1	12.8	18.6	26.7	34.8	46.4
72.5°	30.2	19.7	11.6	8.1	5.8	8.1	11.6	17.4	25.5	33.7	44.1
75°	25.5	16.3	10.5	7.0	5.8	7.0	10.5	16.3	23.2	31.4	41.8
77.5°	24.4	15.1	9.3	5.8	4.6	5.8	9.3	13.9	20.9	29.0	40.6
80°	20.9	12.8	8.1	4.6	3.5	4.6	8.1	11.6	16.3	22.1	31.4
82.5°	16.3	10.5	5.8	2.3	1.2	2.3	5.8	7.0	10.5	12.8	18.6
85°	10.5	5.8	2.3	0.0	0.0	0.0	2.3	4.6	4.6	5.8	9.3
87.5°	4.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5
2.5°	490.0	491.2	493.5	497.0	505.1	512.1	519.1	528.3	533.0	533.0
5°	443.6	444.7	445.9	450.5	462.2	471.4	486.5	505.1	514.4	516.7
7.5°	407.6	409.9	412.2	415.7	427.3	440.1	459.8	494.7	512.1	515.6
10°	386.7	390.2	394.8	401.8	412.2	426.2	459.8	522.5	551.6	557.4
12.5°	370.4	376.2	380.9	389.0	401.8	423.8	491.2	601.5	652.6	666.5
15°	354.2	361.1	368.1	376.2	390.2	432.0	551.6	743.2	827.9	838.4
17.5°	337.9	346.0	355.3	364.6	382.0	451.7	646.8	939.4	1057.9	1081.1
20°	319.3	329.8	342.6	354.2	373.9	483.1	779.2	1172.8	1321.4	1371.4
22.5°	299.6	312.4	327.5	342.6	364.6	521.4	939.4	1423.6	1631.5	1664.0
25°	283.3	296.1	310.0	325.1	349.5	567.8	1133.3	1734.8	1924.1	1955.5
27.5°	268.2	281.0	293.8	307.7	334.4	628.2	1366.7	2065.8	2263.2	2295.7
30°	252.0	267.1	279.8	293.8	320.5	702.5	1636.1	2432.7	2619.7	2649.9
32.5°	238.0	253.1	265.9	279.8	310.0	783.8	1919.5	2757.9	2910.0	2910.0
35°	226.4	242.7	252.0	270.6	301.9	836.1	2187.7	3067.9	3182.9	3178.2
37.5°	213.7	233.4	240.4	253.1	291.5	841.9	2439.7	3395.4	3480.1	3449.9
40°	200.9	221.8	232.2	239.2	279.8	794.3	2716.0	3696.1	3768.1	3728.6
42.5°	189.3	205.5	220.6	228.8	272.9	710.7	2937.8	4017.8	4103.7	4068.8
45°	177.7	191.6	200.9	216.0	277.5	652.6	3128.3	4392.8	4543.8	4518.2
47.5°	166.1	177.7	183.5	206.7	308.9	625.9	3244.4	4973.4	5257.9	5237.0
50°	153.3	167.2	167.2	204.4	355.3	635.2	3345.4	5814.1	6254.2	6247.3
52.5°	140.5	155.6	153.3	221.8	391.3	678.1	3460.4	6556.1	7321.4	7385.2
55°	127.7	141.7	144.0	256.6	412.2	715.3	3015.6	6868.5	8232.9	8457.0
57.5°	113.8	121.9	149.8	283.3	405.3	823.3	2065.8	6925.4	8814.7	9295.4
60°	98.7	105.7	169.5	277.5	383.2	760.6	1300.5	6414.5	8732.2	9341.9
62.5°	85.9	97.5	178.8	245.0	390.2	659.6	829.1	5466.9	7946.1	8641.7
65°	75.5	94.1	162.6	221.8	394.8	447.1	559.7	4447.4	7178.5	7840.4
67.5°	67.3	104.5	133.5	197.4	339.1	314.7	384.4	3455.7	6035.9	6629.3
70°	61.5	106.8	109.2	169.5	262.4	202.0	253.1	2325.9	4160.6	4838.7
72.5°	55.7	79.0	82.4	135.9	169.5	123.1	163.7	1330.7	3033.1	3495.2
75°	53.4	53.4	56.9	88.3	94.1	89.4	105.7	794.3	2174.9	2512.8
77.5°	49.9	40.6	36.0	56.9	51.1	63.9	62.7	353.0	942.9	1019.5
80°	39.5	29.0	24.4	36.0	34.8	43.0	37.2	29.0	43.0	41.8
82.5°	24.4	18.6	17.4	22.1	19.7	22.1	17.4	4.6	4.6	4.6
85°	11.6	10.5	9.3	9.3	10.5	9.3	7.0	2.3	1.2	1.2
87.5°	5.8	5.8	4.6	3.5	4.6	4.6	3.5	1.2	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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