

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: P630290

Luminaire Tested: GWS-SA1D-735-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630290
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-SA1D-735-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3711.6 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

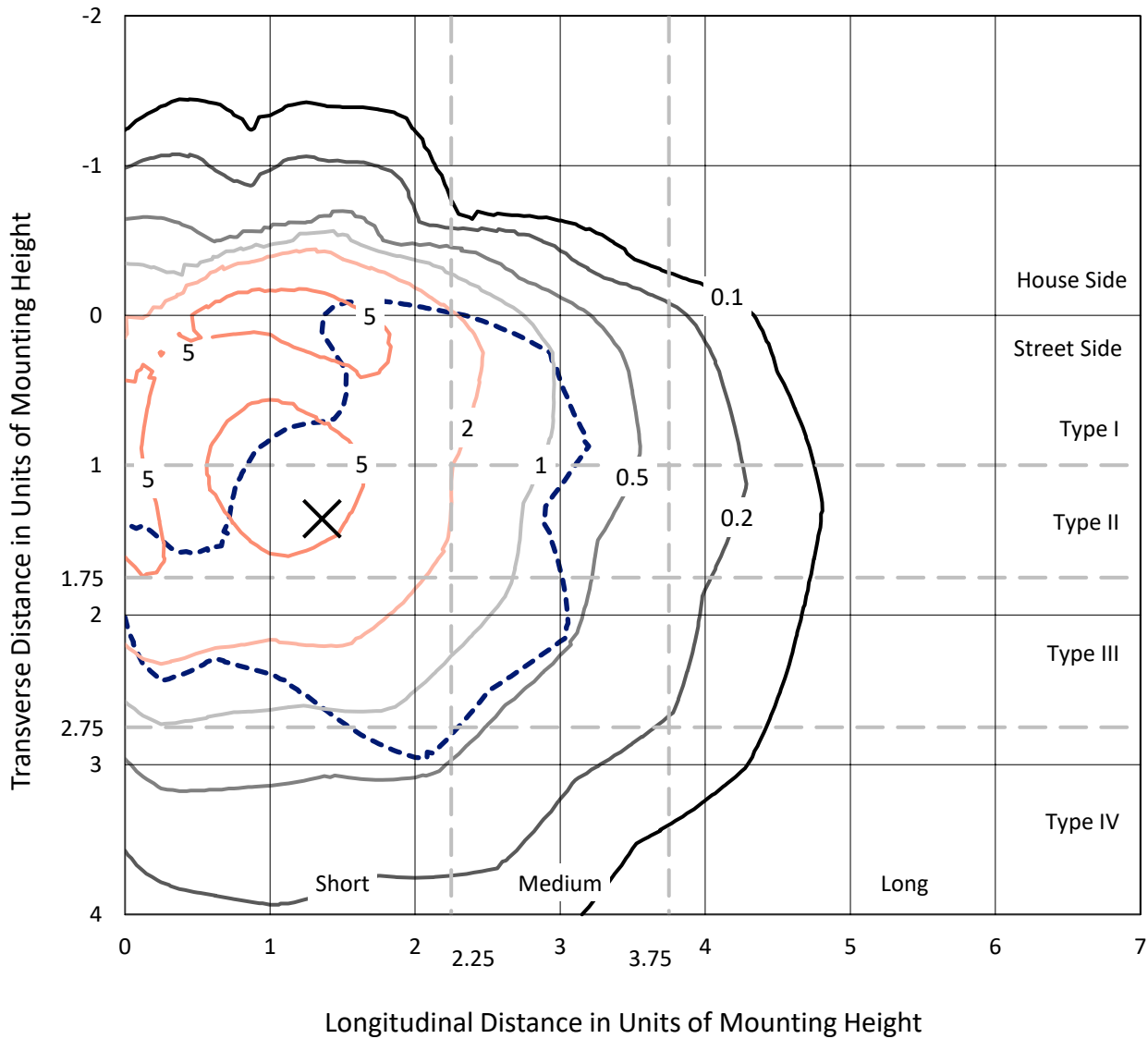
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

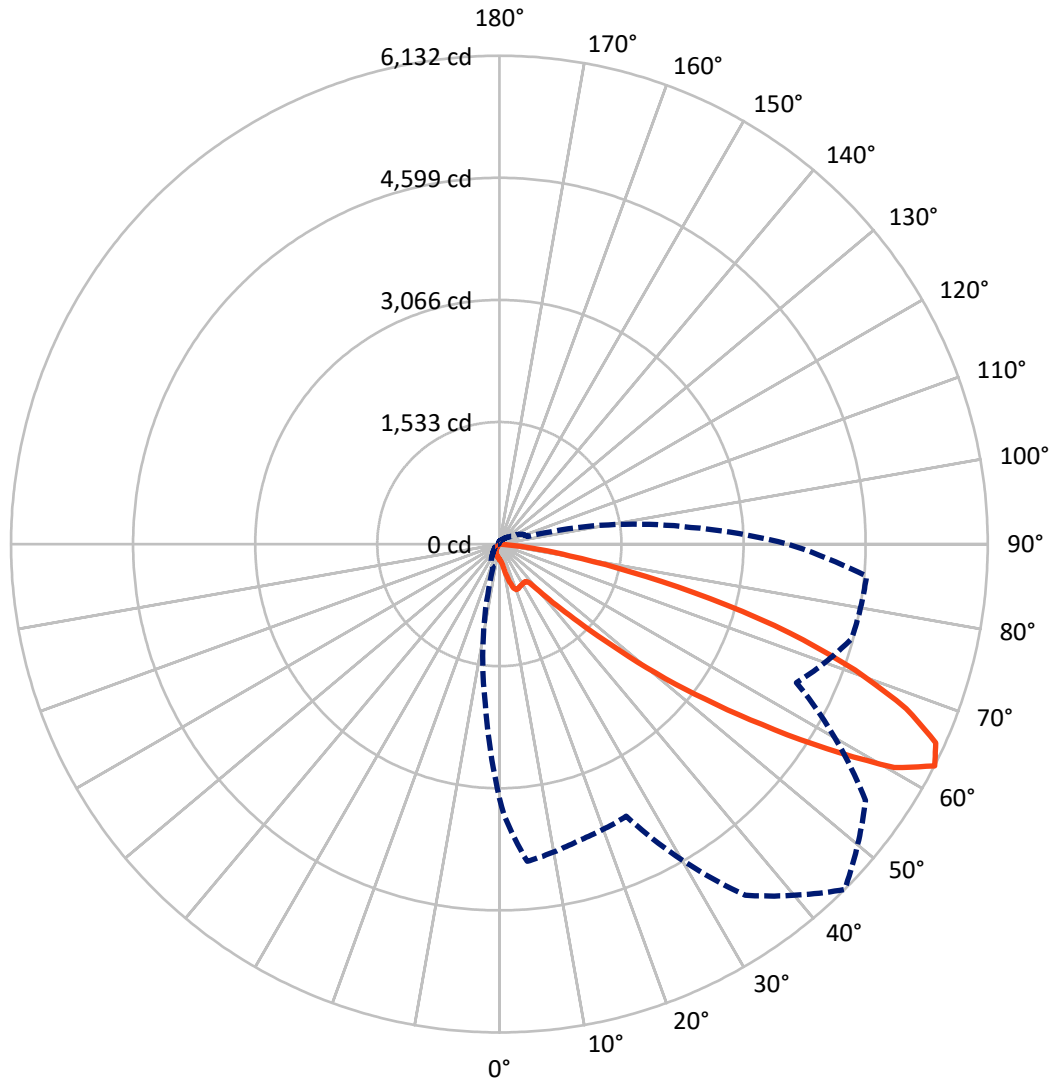
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 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	458.0	0.0	458.0
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	3253.6	0.0	3253.6
	% Fixture	87.7	0.0	87.7
Total	Lumens	3711.6	0.0	3711.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	0.5
10°-20°	64.7	1.7
20°-30°	140.7	3.8
30°-40°	230.9	6.2
40°-50°	424.4	11.4
50°-60°	911.5	24.6
60°-70°	1224.3	33.0
70°-80°	637.5	17.2
80°-90°	60.4	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°	3711.6	100.0
0°-180°	3711.6	100.0

Coefficient of Utilization

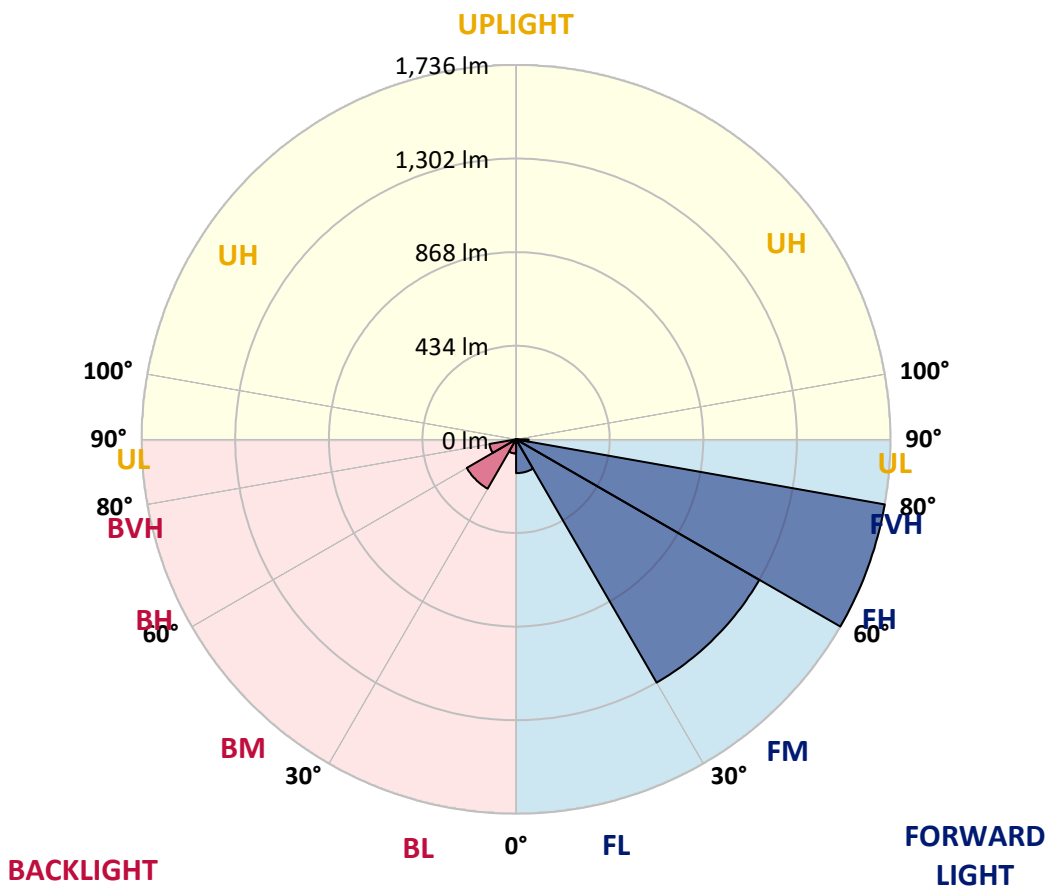


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	156.8	4.2			
FM (30°-60°)	1302.7	35.1			
FH (60°-80°)	1736.3	46.8			G1/1800
FVH (80°-90°)	57.8	1.6			G1/100
BL (0°-30°)	65.7	1.8	B0/110		
BM (30°-60°)	264.1	7.1	B1/1000		
BH (60°-80°)	125.5	3.4	B1/500		G1/500
BVH (80°-90°)	2.7	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-G1
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9
2.5°	196.8	197.6	198.5	201.5	203.6	205.4	205.8	204.5	201.5	198.5	194.2
5°	190.8	191.6	194.6	202.8	210.9	217.4	219.5	218.2	210.9	201.5	191.6
7.5°	190.4	192.1	199.4	216.5	234.1	247.4	250.8	247.8	234.1	215.2	195.1
10°	205.8	208.8	219.5	250.4	282.5	306.1	315.5	302.7	280.8	246.5	213.5
12.5°	246.1	251.2	271.8	316.8	366.6	397.9	410.7	394.9	360.6	310.8	258.5
15°	309.5	317.3	348.1	415.4	474.2	502.0	506.3	497.3	457.4	402.6	332.3
17.5°	399.1	410.3	458.3	526.9	569.3	579.2	577.9	568.5	539.3	501.6	435.2
20°	506.3	519.6	566.8	623.4	627.7	616.1	609.6	604.1	594.2	587.8	535.9
22.5°	614.4	630.7	680.0	694.1	655.5	622.1	606.2	610.5	625.1	656.8	635.8
25°	722.0	737.4	783.7	745.5	668.4	612.6	592.5	602.8	637.5	706.1	733.1
27.5°	847.6	859.2	886.6	780.7	670.5	604.9	585.2	601.1	643.5	737.0	839.9
30°	978.3	985.2	971.9	790.1	663.2	593.4	577.9	601.1	653.8	757.6	920.0
32.5°	1074.4	1075.7	1032.4	791.0	659.4	583.9	571.1	598.5	663.7	774.7	997.6
35°	1173.4	1167.0	1090.2	803.9	669.7	587.4	576.2	605.8	679.1	794.9	1065.8
37.5°	1273.7	1262.2	1155.0	824.9	696.2	624.6	617.8	643.1	704.0	822.7	1140.8
40°	1376.6	1360.8	1222.3	856.6	755.4	751.6	775.1	772.1	772.1	858.3	1218.0
42.5°	1502.2	1483.8	1321.8	946.2	893.5	979.6	1043.9	1004.1	930.3	940.2	1318.3
45°	1668.2	1652.3	1494.1	1117.7	1110.0	1308.0	1394.6	1315.8	1132.3	1129.3	1486.0
47.5°	1933.5	1930.5	1768.9	1316.6	1374.9	1726.0	1893.2	1741.5	1362.5	1329.5	1803.2
50°	2306.5	2297.5	2111.5	1549.8	1690.0	2243.9	2542.3	2289.4	1640.7	1563.1	2228.1
52.5°	2726.7	2736.1	2591.2	1804.5	2024.9	2820.1	3235.6	2917.0	1943.0	1860.2	2762.7
55°	3122.4	3176.4	3138.3	2102.5	2352.0	3456.4	3997.0	3605.6	2317.2	2249.1	3362.0
57.5°	3431.9	3584.1	3851.7	2535.5	2736.5	4200.6	4847.1	4352.0	2754.1	2880.6	4177.9
60°	3449.1	3650.6	4271.8	3441.4	3231.3	4839.0	5696.0	5081.2	3440.9	3952.8	4817.1
62.5°	3190.6	3406.6	3998.3	3852.9	3770.2	5382.2	6131.6	5612.8	4116.6	4580.9	4627.6
65°	2894.7	3113.0	3693.0	3386.1	3707.6	5359.0	6021.0	5625.3	4177.9	4153.9	4288.5
67.5°	2447.6	2643.5	3168.7	2997.2	3417.4	5100.5	5510.0	5270.7	3849.1	3885.1	3945.1
70°	1786.5	1975.1	2462.6	2471.2	2984.3	4634.5	4734.4	4701.4	3544.7	3582.8	3411.4
72.5°	1290.5	1449.5	1870.1	2026.6	2382.4	3886.4	3817.4	3944.7	3041.4	3191.0	2740.0
75°	927.8	1046.9	1371.9	1762.9	1888.5	2886.2	2732.7	3055.1	2440.3	2747.7	2060.0
77.5°	376.4	418.4	539.8	1187.6	1241.2	1941.7	1672.9	2219.1	1739.8	1805.4	998.5
80°	15.4	17.1	22.3	613.1	851.0	1092.4	895.2	1186.3	1149.0	727.1	235.8
82.5°	1.7	1.7	3.9	176.6	372.6	602.8	421.9	683.4	581.8	308.3	107.2
85°	0.4	0.4	0.9	20.1	87.5	96.5	57.0	209.6	270.5	126.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	3.9	4.3	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°	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9
2.5°	194.2	192.1	189.5	186.9	185.6	182.2	180.9	180.1	179.2	179.6	179.6
5°	187.8	183.1	177.5	171.9	168.9	165.5	163.8	162.9	163.3	165.1	165.1
7.5°	186.9	177.9	165.9	158.6	155.2	152.6	150.9	150.1	150.5	152.6	153.5
10°	201.1	185.2	163.8	151.3	147.5	144.9	143.2	141.9	141.0	142.8	143.2
12.5°	231.5	209.6	174.1	150.5	143.6	140.2	138.9	136.3	135.0	135.9	136.3
15°	294.5	256.8	194.6	153.9	140.2	136.3	134.2	132.0	129.9	129.5	129.9
17.5°	376.8	322.8	225.9	162.1	137.6	132.9	129.9	126.9	123.9	123.5	123.0
20°	478.9	403.9	269.7	174.9	135.5	129.9	125.6	121.3	117.5	116.2	116.2
22.5°	571.9	501.6	325.8	190.8	132.5	125.6	120.5	115.3	111.0	108.9	108.5
25°	685.5	605.4	393.1	209.2	128.2	120.0	114.5	109.3	105.0	102.5	101.6
27.5°	800.0	714.7	469.5	233.2	123.0	114.5	109.3	104.6	99.9	96.9	96.0
30°	911.0	832.6	555.2	263.2	119.2	108.9	104.6	99.9	95.6	90.9	89.6
32.5°	1030.2	953.1	651.2	296.7	116.2	105.0	100.3	96.0	90.5	86.2	84.0
35°	1145.1	1077.4	757.1	329.3	113.2	101.6	96.5	92.2	86.2	81.5	78.5
37.5°	1260.9	1203.9	867.7	349.0	108.9	96.9	92.2	88.7	81.9	76.3	72.9
40°	1383.5	1334.6	987.3	340.8	105.0	91.7	89.2	85.3	77.6	71.2	66.9
42.5°	1518.1	1459.4	1109.1	309.5	101.6	87.5	84.9	81.0	73.7	66.0	60.4
45°	1687.5	1596.1	1209.0	262.4	103.3	83.2	78.0	77.2	70.3	60.4	53.6
47.5°	1978.6	1806.2	1286.6	231.9	114.9	78.5	72.5	74.6	67.3	54.9	47.2
50°	2424.0	2154.3	1359.1	229.8	132.5	76.3	67.3	72.9	64.3	49.3	41.6
52.5°	2848.4	2508.0	1405.4	248.7	147.9	81.9	62.2	70.7	62.2	45.4	37.7
55°	3254.4	2712.1	1322.6	262.4	162.5	98.6	58.3	67.3	59.6	43.3	36.4
57.5°	3692.2	2803.0	1041.4	290.2	172.8	112.8	59.2	62.2	56.2	42.0	36.0
60°	3822.9	2686.8	628.5	326.7	167.2	117.0	65.6	55.3	51.4	39.4	34.7
62.5°	3619.7	2411.1	370.8	297.5	162.5	110.6	75.0	51.0	46.7	36.0	32.2
65°	3315.7	2036.9	241.8	251.2	172.3	98.6	79.7	48.9	42.4	32.6	28.3
67.5°	2968.5	1640.7	169.3	148.3	159.1	88.7	67.3	48.4	38.2	27.4	23.2
70°	2500.3	1228.7	119.2	98.2	132.5	78.9	52.3	47.2	33.4	22.3	18.0
72.5°	1931.8	769.1	88.7	63.5	94.3	64.3	41.6	39.9	27.0	18.4	13.7
75°	1424.6	438.6	62.6	45.9	62.2	48.9	30.9	28.3	23.2	17.6	12.4
77.5°	743.8	219.5	39.0	35.2	35.6	30.4	22.3	20.6	21.4	17.6	11.6
80°	142.8	43.7	23.6	25.7	19.3	19.3	16.3	17.1	18.9	14.1	9.9
82.5°	59.6	9.4	12.9	14.6	12.0	13.3	13.3	13.7	13.3	10.3	7.3
85°	0.0	0.0	5.6	6.0	8.1	8.1	6.9	6.9	6.9	6.0	4.3
87.5°	0.0	0.0	0.0	0.0	0.4	1.3	2.6	3.0	3.4	2.6	1.7
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°	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9
2.5°	179.2	178.3	179.6	180.5	181.3	181.3	180.5	179.6	178.3	179.6	178.3
5°	165.5	166.8	168.9	169.8	170.6	168.9	168.1	165.5	163.3	163.8	162.9
7.5°	154.8	156.1	158.6	160.3	160.3	159.5	156.9	154.3	150.9	150.9	150.5
10°	144.9	146.6	149.6	151.8	152.6	151.8	149.2	145.8	142.8	142.8	141.5
12.5°	136.8	138.9	142.3	145.3	146.2	145.3	142.8	139.3	135.9	135.9	135.0
15°	129.9	132.5	136.3	139.8	141.0	139.8	136.8	132.5	129.0	129.5	128.2
17.5°	123.5	125.6	130.8	134.6	135.9	134.6	130.8	125.2	121.8	122.6	121.8
20°	116.2	118.8	123.9	128.2	129.5	128.2	123.9	117.9	114.5	114.5	114.9
22.5°	108.5	111.0	116.2	119.2	120.9	119.6	115.3	109.8	106.3	106.3	106.8
25°	101.6	102.9	106.8	109.8	110.2	108.9	105.5	101.2	98.6	99.9	100.3
27.5°	95.2	95.2	96.9	98.6	98.2	96.9	95.6	92.2	91.7	93.0	94.3
30°	88.3	86.2	85.3	84.0	83.6	83.2	84.5	84.5	85.3	87.0	88.3
32.5°	82.3	78.0	74.2	70.3	68.2	69.9	73.3	76.3	79.3	81.9	83.2
35°	75.5	68.6	62.2	57.0	53.6	56.2	61.7	67.3	72.5	75.9	78.0
37.5°	68.6	58.7	51.0	44.6	42.0	44.2	50.2	57.9	65.6	69.9	72.9
40°	61.3	48.9	39.9	34.7	32.2	34.3	40.3	48.0	58.3	63.9	67.7
42.5°	54.0	40.3	32.2	27.0	25.7	27.0	31.7	39.4	50.6	57.4	62.6
45°	46.7	33.4	25.7	21.9	20.6	21.9	25.7	32.2	43.3	51.0	57.0
47.5°	40.3	28.3	21.4	18.0	17.1	18.4	21.4	27.0	36.4	44.2	51.0
50°	35.2	24.9	18.4	15.4	14.6	15.9	18.4	22.7	30.9	37.7	45.0
52.5°	31.7	23.2	16.3	13.3	12.9	13.7	15.9	19.3	26.2	32.2	39.0
55°	30.9	23.2	15.0	12.0	11.6	12.4	14.1	16.7	22.7	27.9	33.9
57.5°	31.7	24.9	14.1	10.3	9.9	10.7	12.4	14.6	19.7	24.0	29.6
60°	31.7	25.3	12.4	8.1	7.7	8.6	10.3	12.9	17.6	21.0	25.7
62.5°	28.7	23.2	10.3	6.4	5.6	6.4	8.6	10.7	15.4	18.9	22.7
65°	24.9	19.7	8.6	4.7	3.9	4.7	6.9	9.0	13.3	16.3	20.6
67.5°	20.1	15.0	6.4	3.4	2.6	3.4	5.1	7.3	11.1	14.1	18.4
70°	15.0	10.7	5.1	3.0	2.6	3.0	4.7	6.9	9.9	12.9	17.1
72.5°	11.1	7.3	4.3	3.0	2.1	3.0	4.3	6.4	9.4	12.4	16.3
75°	9.4	6.0	3.9	2.6	2.1	2.6	3.9	6.0	8.6	11.6	15.4
77.5°	9.0	5.6	3.4	2.1	1.7	2.1	3.4	5.1	7.7	10.7	15.0
80°	7.7	4.7	3.0	1.7	1.3	1.7	3.0	4.3	6.0	8.1	11.6
82.5°	6.0	3.9	2.1	0.9	0.4	0.9	2.1	2.6	3.9	4.7	6.9
85°	3.9	2.1	0.9	0.0	0.0	0.0	0.9	1.7	1.7	2.1	3.4
87.5°	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9
2.5°	180.9	181.3	182.2	183.5	186.5	189.1	191.6	195.1	196.8	196.8
5°	163.8	164.2	164.6	166.3	170.6	174.1	179.6	186.5	189.9	190.8
7.5°	150.5	151.3	152.2	153.5	157.8	162.5	169.8	182.6	189.1	190.4
10°	142.8	144.1	145.8	148.3	152.2	157.3	169.8	192.9	203.6	205.8
12.5°	136.8	138.9	140.6	143.6	148.3	156.5	181.3	222.1	240.9	246.1
15°	130.8	133.3	135.9	138.9	144.1	159.5	203.6	274.4	305.7	309.5
17.5°	124.8	127.8	131.2	134.6	141.0	166.8	238.8	346.8	390.6	399.1
20°	117.9	121.8	126.5	130.8	138.0	178.3	287.7	433.0	487.9	506.3
22.5°	110.6	115.3	120.9	126.5	134.6	192.5	346.8	525.6	602.4	614.4
25°	104.6	109.3	114.5	120.0	129.0	209.6	418.4	640.5	710.4	722.0
27.5°	99.0	103.8	108.5	113.6	123.5	231.9	504.6	762.7	835.6	847.6
30°	93.0	98.6	103.3	108.5	118.3	259.4	604.1	898.2	967.2	978.3
32.5°	87.9	93.5	98.2	103.3	114.5	289.4	708.7	1018.2	1074.4	1074.4
35°	83.6	89.6	93.0	99.9	111.5	308.7	807.7	1132.7	1175.1	1173.4
37.5°	78.9	86.2	88.7	93.5	107.6	310.8	900.7	1253.6	1284.9	1273.7
40°	74.2	81.9	85.7	88.3	103.3	293.2	1002.8	1364.6	1391.2	1376.6
42.5°	69.9	75.9	81.5	84.5	100.7	262.4	1084.7	1483.4	1515.1	1502.2
45°	65.6	70.7	74.2	79.7	102.5	240.9	1155.0	1621.9	1677.6	1668.2
47.5°	61.3	65.6	67.7	76.3	114.0	231.1	1197.9	1836.2	1941.3	1933.5
50°	56.6	61.7	61.7	75.5	131.2	234.5	1235.2	2146.6	2309.1	2306.5
52.5°	51.9	57.4	56.6	81.9	144.5	250.4	1277.6	2420.6	2703.1	2726.7
55°	47.2	52.3	53.2	94.7	152.2	264.1	1113.4	2535.9	3039.6	3122.4
57.5°	42.0	45.0	55.3	104.6	149.6	304.0	762.7	2556.9	3254.4	3431.9
60°	36.4	39.0	62.6	102.5	141.5	280.8	480.2	2368.3	3224.0	3449.1
62.5°	31.7	36.0	66.0	90.5	144.1	243.5	306.1	2018.4	2933.8	3190.6
65°	27.9	34.7	60.0	81.9	145.8	165.1	206.6	1642.0	2650.4	2894.7
67.5°	24.9	38.6	49.3	72.9	125.2	116.2	141.9	1275.9	2228.5	2447.6
70°	22.7	39.4	40.3	62.6	96.9	74.6	93.5	858.7	1536.1	1786.5
72.5°	20.6	29.2	30.4	50.2	62.6	45.4	60.4	491.3	1119.8	1290.5
75°	19.7	19.7	21.0	32.6	34.7	33.0	39.0	293.2	803.0	927.8
77.5°	18.4	15.0	13.3	21.0	18.9	23.6	23.2	130.3	348.1	376.4
80°	14.6	10.7	9.0	13.3	12.9	15.9	13.7	10.7	15.9	15.4
82.5°	9.0	6.9	6.4	8.1	7.3	8.1	6.4	1.7	1.7	1.7
85°	4.3	3.9	3.4	3.4	3.9	3.4	2.6	0.9	0.4	0.4
87.5°	2.1	2.1	1.7	1.3	1.7	1.7	1.3	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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