

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: P630400

Luminaire Tested: GWS-SA1D-750-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630400
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3849.4 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

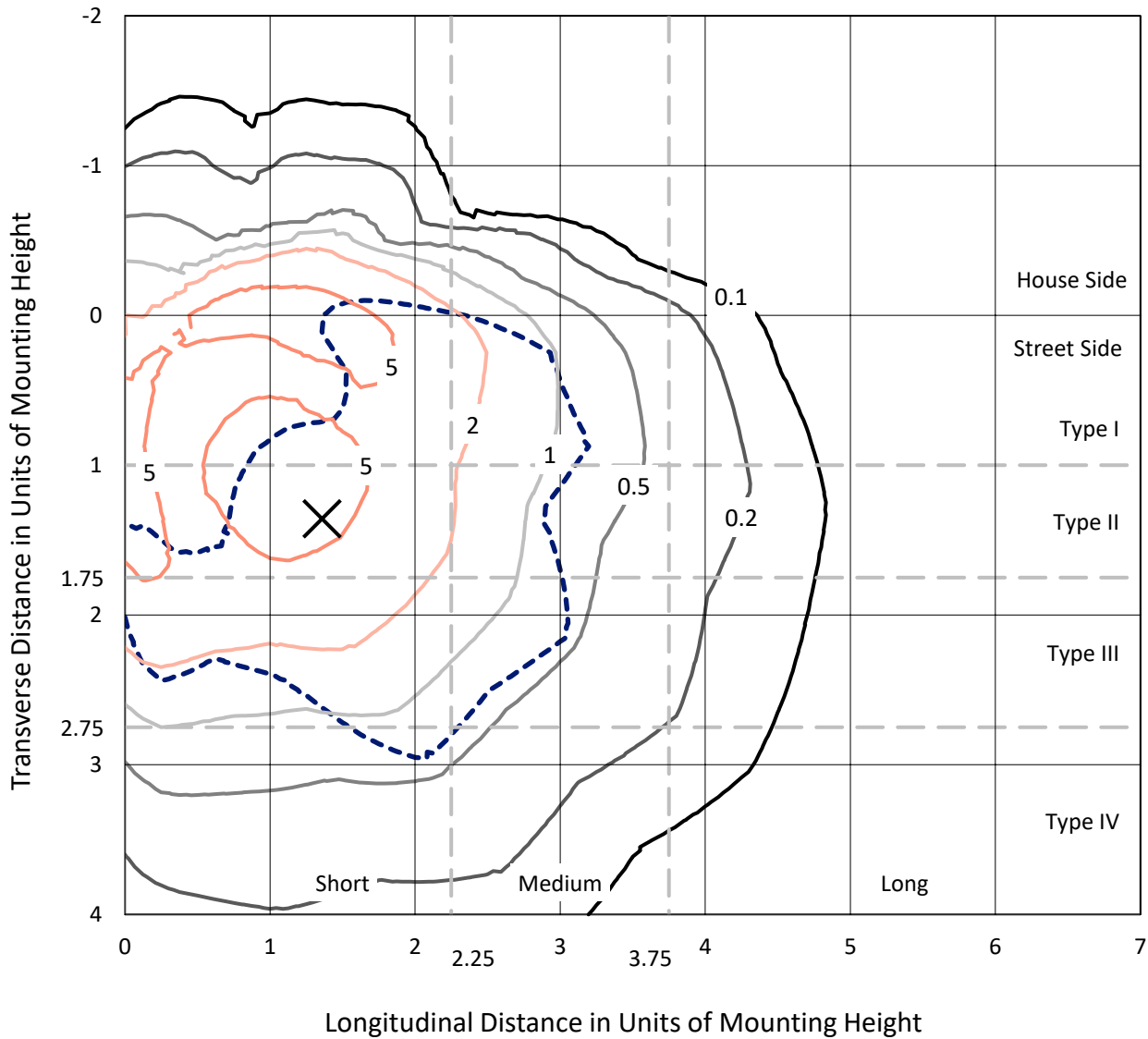
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

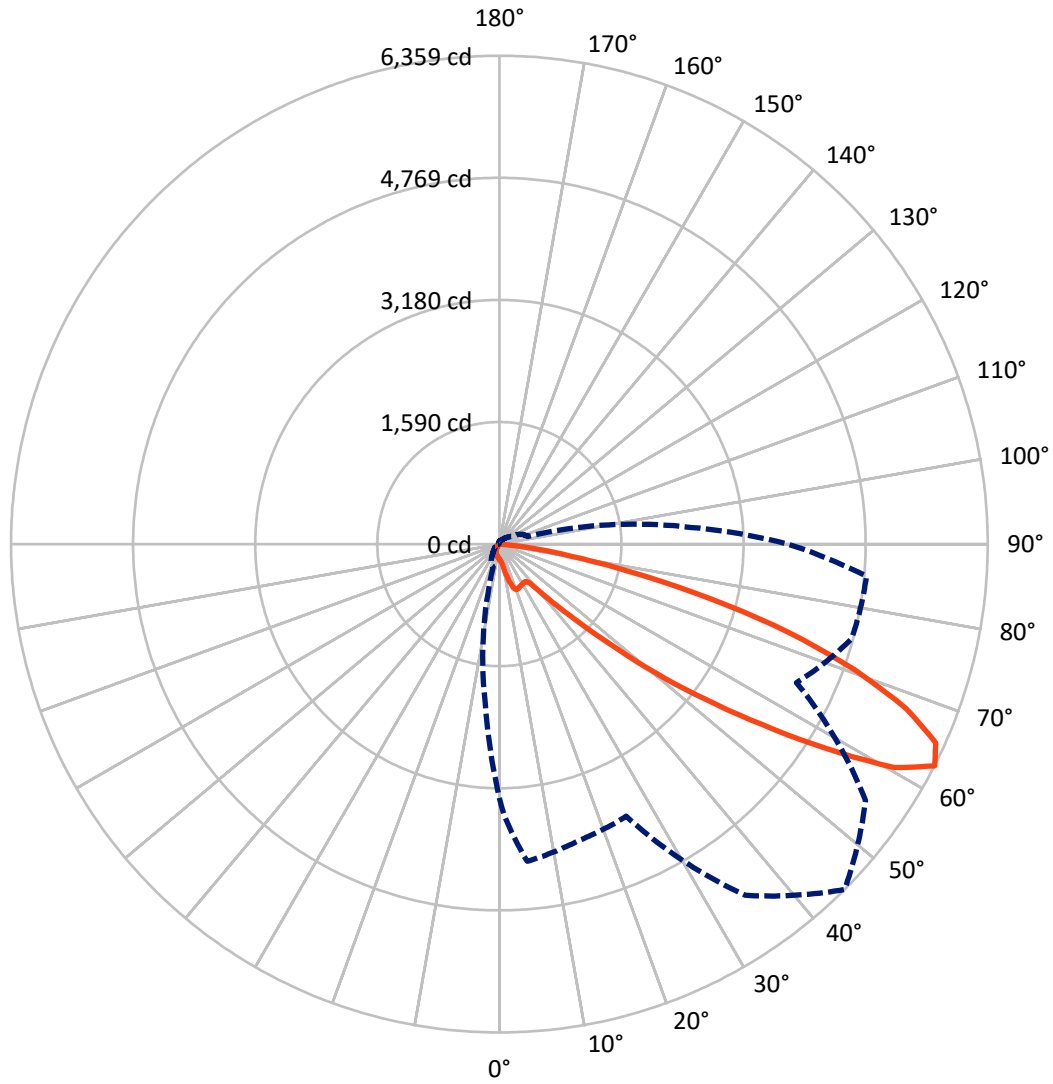
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 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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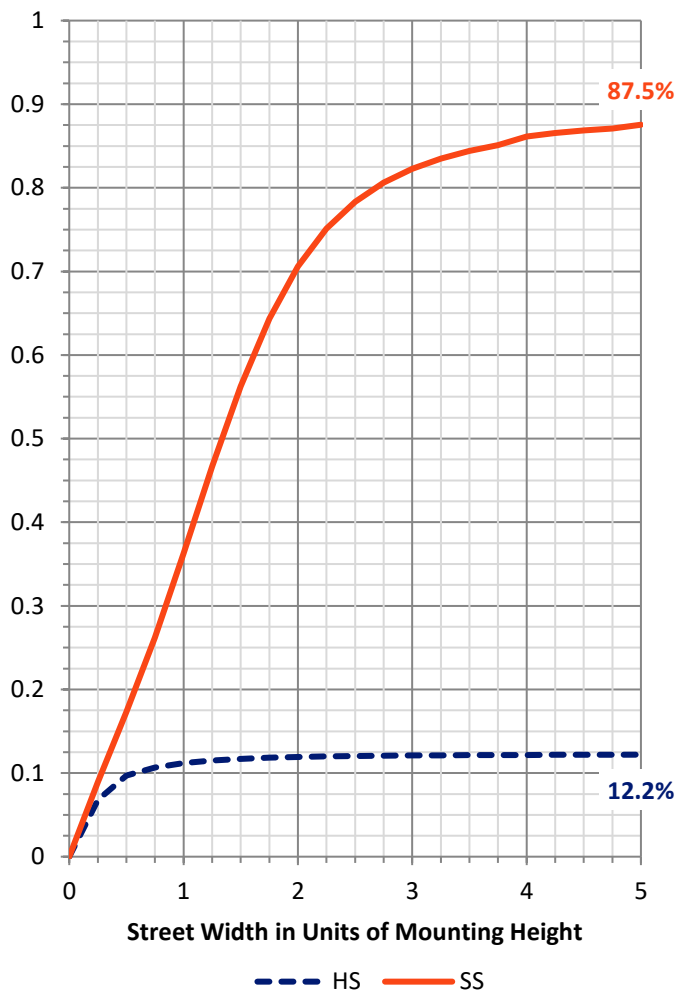
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	475.0	0.0	475.0
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	3374.4	0.0	3374.4
	% Fixture	87.7	0.0	87.7
Total	Lumens	3849.4	0.0	3849.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.8	0.5
10°-20°	67.1	1.7
20°-30°	145.9	3.8
30°-40°	239.5	6.2
40°-50°	440.2	11.4
50°-60°	945.4	24.6
60°-70°	1269.8	33.0
70°-80°	661.2	17.2
80°-90°	62.7	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°	3849.4	100.0
0°-180°	3849.4	100.0

Coefficient of Utilization



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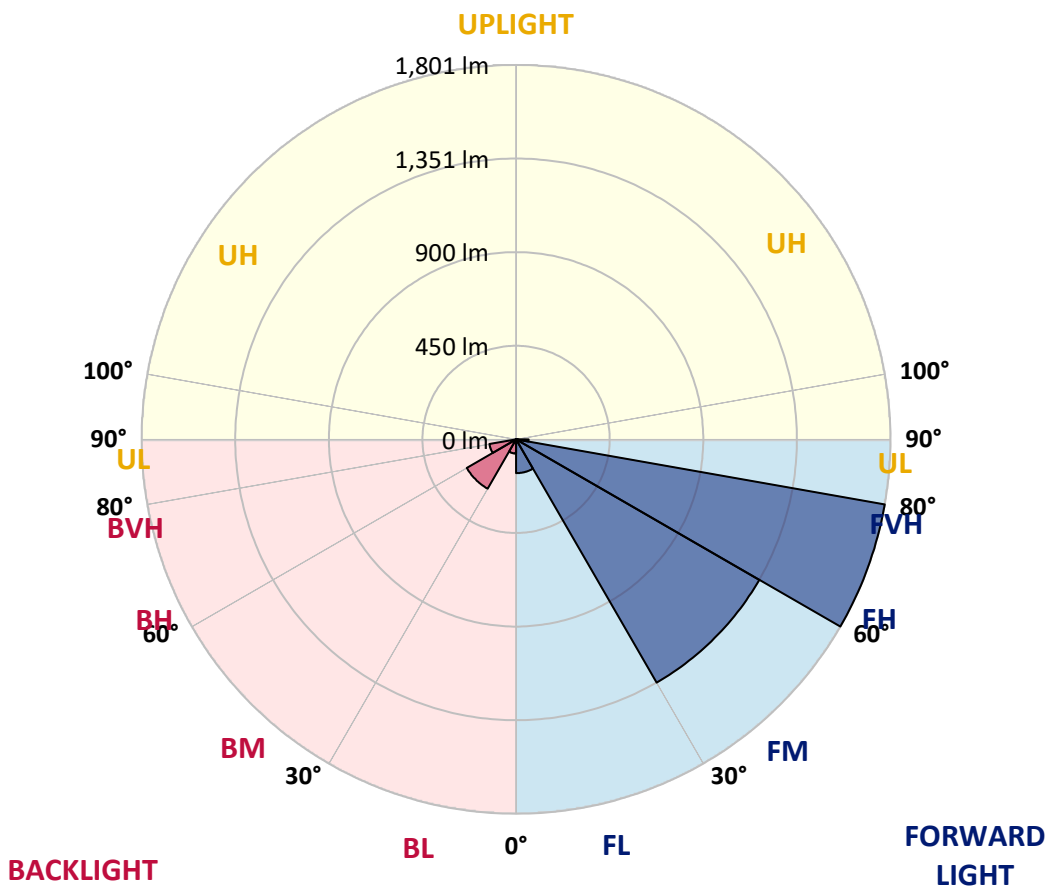
CATALOG NUMBER: GWS-SA1D-750-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	162.6	4.2			
FM (30°-60°)	1351.1	35.1			
FH (60°-80°)	1800.8	46.8			G2/5000
FVH (80°-90°)	59.9	1.6			G1/100
BL (0°-30°)	68.1	1.8	B0/110		
BM (30°-60°)	273.9	7.1	B1/1000		
BH (60°-80°)	130.2	3.4	B1/500		G1/500
BVH (80°-90°)	2.8	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°	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1
2.5°	204.1	205.0	205.9	209.0	211.2	213.0	213.4	212.1	209.0	205.9	201.4
5°	197.9	198.8	201.9	210.3	218.8	225.4	227.7	226.3	218.8	209.0	198.8
7.5°	197.4	199.2	206.8	224.5	242.8	256.6	260.1	257.0	242.8	223.2	202.3
10°	213.4	216.5	227.7	259.7	293.0	317.5	327.3	313.9	291.2	255.7	221.4
12.5°	255.2	260.6	281.9	328.6	380.2	412.6	426.0	409.5	373.9	322.4	268.1
15°	321.0	329.0	361.0	430.9	491.8	520.7	525.1	515.8	474.4	417.5	344.6
17.5°	414.0	425.5	475.3	546.5	590.5	600.7	599.4	589.6	559.4	520.2	451.3
20°	525.1	538.9	587.8	646.5	651.0	638.9	632.3	626.5	616.3	609.6	555.8
22.5°	637.2	654.1	705.2	719.9	679.9	645.2	628.7	633.2	648.3	681.2	659.4
25°	748.8	764.8	812.8	773.2	693.2	635.4	614.5	625.2	661.2	732.3	760.3
27.5°	879.1	891.1	919.5	809.7	695.4	627.4	606.9	623.4	667.4	764.3	871.1
30°	1014.7	1021.8	1008.0	819.5	687.9	615.4	599.4	623.4	678.1	785.7	954.2
32.5°	1114.3	1115.6	1070.7	820.4	683.9	605.6	592.3	620.7	688.3	803.5	1034.7
35°	1217.0	1210.3	1130.7	833.7	694.5	609.2	597.6	628.3	704.3	824.4	1105.4
37.5°	1321.0	1309.0	1197.9	855.5	722.1	647.8	640.7	667.0	730.1	853.3	1183.2
40°	1427.7	1411.3	1267.7	888.4	783.5	779.5	803.9	800.8	800.8	890.2	1263.2
42.5°	1558.0	1538.9	1370.8	981.3	926.6	1016.0	1082.7	1041.3	964.9	975.1	1367.3
45°	1730.1	1713.6	1549.6	1159.2	1151.2	1356.6	1446.4	1364.6	1174.3	1171.2	1541.1
47.5°	2005.3	2002.2	1834.6	1365.5	1426.0	1790.1	1963.5	1806.1	1413.1	1378.8	1870.2
50°	2392.2	2382.8	2189.9	1607.4	1752.8	2327.2	2636.7	2374.4	1701.6	1621.2	2310.8
52.5°	2827.9	2837.7	2687.4	1871.5	2100.0	2924.8	3355.7	3025.3	2015.1	1929.3	2865.3
55°	3238.3	3294.3	3254.8	2180.5	2439.3	3584.7	4145.4	3739.4	2403.3	2332.6	3486.9
57.5°	3559.3	3717.2	3994.7	2629.6	2838.1	4356.6	5027.1	4513.5	2856.4	2987.5	4333.0
60°	3577.1	3786.1	4430.4	3569.1	3351.3	5018.7	5907.5	5269.9	3568.7	4099.6	4996.0
62.5°	3309.0	3533.1	4146.7	3996.0	3910.2	5582.0	6359.2	5821.2	4269.4	4751.0	4799.4
65°	3002.2	3228.5	3830.1	3511.8	3845.3	5558.0	6244.5	5834.1	4333.0	4308.1	4447.7
67.5°	2538.5	2741.7	3286.3	3108.5	3544.2	5289.9	5714.5	5466.4	3992.0	4029.3	4091.6
70°	1852.8	2048.5	2554.0	2562.9	3095.1	4806.6	4910.2	4875.9	3676.3	3715.9	3538.0
72.5°	1338.4	1503.3	1939.5	2101.8	2470.9	4030.7	3959.1	4091.1	3154.3	3309.5	2841.7
75°	962.2	1085.8	1422.8	1828.4	1958.6	2993.3	2834.1	3168.5	2530.9	2849.7	2136.5
77.5°	390.4	434.0	559.8	1231.7	1287.2	2013.8	1735.0	2301.5	1804.4	1872.4	1035.6
80°	16.0	17.8	23.1	635.8	882.6	1132.9	928.4	1230.3	1191.6	754.1	244.6
82.5°	1.8	1.8	4.0	183.2	386.4	625.2	437.5	708.8	603.4	319.7	111.2
85°	0.4	0.4	0.9	20.9	90.7	100.0	59.1	217.4	280.6	130.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.0	4.4	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°	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1
2.5°	201.4	199.2	196.5	193.9	192.5	189.0	187.6	186.7	185.9	186.3	186.3
5°	194.8	189.9	184.1	178.3	175.2	171.6	169.9	169.0	169.4	171.2	171.2
7.5°	193.9	184.5	172.1	164.5	161.0	158.3	156.5	155.6	156.1	158.3	159.2
10°	208.5	192.1	169.9	157.0	153.0	150.3	148.5	147.2	146.3	148.1	148.5
12.5°	240.1	217.4	180.5	156.1	149.0	145.4	144.1	141.4	140.1	141.0	141.4
15°	305.5	266.3	201.9	159.6	145.4	141.4	139.2	136.9	134.7	134.3	134.7
17.5°	390.8	334.8	234.3	168.1	142.7	137.8	134.7	131.6	128.5	128.1	127.6
20°	496.7	418.9	279.7	181.4	140.5	134.7	130.3	125.8	121.8	120.5	120.5
22.5°	593.2	520.2	337.9	197.9	137.4	130.3	124.9	119.6	115.2	112.9	112.5
25°	711.0	627.8	407.7	217.0	132.9	124.5	118.7	113.4	108.9	106.3	105.4
27.5°	829.7	741.2	486.9	241.9	127.6	118.7	113.4	108.5	103.6	100.5	99.6
30°	944.9	863.5	575.8	273.0	123.6	112.9	108.5	103.6	99.2	94.3	92.9
32.5°	1068.5	988.4	675.4	307.7	120.5	108.9	104.0	99.6	93.8	89.4	87.1
35°	1187.6	1117.4	785.2	341.5	117.4	105.4	100.0	95.6	89.4	84.5	81.4
37.5°	1307.7	1248.6	900.0	361.9	112.9	100.5	95.6	92.0	84.9	79.1	75.6
40°	1434.9	1384.2	1024.0	353.5	108.9	95.2	92.5	88.5	80.5	73.8	69.4
42.5°	1574.5	1513.6	1150.3	321.0	105.4	90.7	88.0	84.0	76.5	68.5	62.7
45°	1750.1	1655.4	1253.9	272.1	107.2	86.3	80.9	80.0	72.9	62.7	55.6
47.5°	2052.0	1873.3	1334.4	240.6	119.2	81.4	75.1	77.4	69.8	56.9	48.9
50°	2514.0	2234.3	1409.5	238.3	137.4	79.1	69.8	75.6	66.7	51.1	43.1
52.5°	2954.2	2601.1	1457.5	257.9	153.4	84.9	64.5	73.4	64.5	47.1	39.1
55°	3375.3	2812.8	1371.7	272.1	168.5	102.3	60.5	69.8	61.8	44.9	37.8
57.5°	3829.2	2907.1	1080.0	301.0	179.2	116.9	61.4	64.5	58.2	43.6	37.3
60°	3964.9	2786.6	651.8	338.8	173.4	121.4	68.0	57.4	53.4	40.9	36.0
62.5°	3754.1	2500.7	384.6	308.6	168.5	114.7	77.8	52.9	48.5	37.3	33.3
65°	3438.8	2112.5	250.8	260.6	178.7	102.3	82.7	50.7	44.0	33.8	29.3
67.5°	3078.7	1701.6	175.6	153.8	165.0	92.0	69.8	50.2	39.6	28.5	24.0
70°	2593.1	1274.3	123.6	101.8	137.4	81.8	54.2	48.9	34.7	23.1	18.7
72.5°	2003.6	797.7	92.0	65.8	97.8	66.7	43.1	41.4	28.0	19.1	14.2
75°	1477.5	454.9	64.9	47.6	64.5	50.7	32.0	29.3	24.0	18.2	12.9
77.5°	771.5	227.7	40.5	36.5	36.9	31.6	23.1	21.3	22.2	18.2	12.0
80°	148.1	45.4	24.5	26.7	20.0	20.0	16.9	17.8	19.6	14.7	10.2
82.5°	61.8	9.8	13.3	15.1	12.4	13.8	13.8	14.2	13.8	10.7	7.6
85°	0.0	0.0	5.8	6.2	8.4	8.4	7.1	7.1	7.1	6.2	4.4
87.5°	0.0	0.0	0.0	0.0	0.4	1.3	2.7	3.1	3.6	2.7	1.8
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°	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1
2.5°	185.9	185.0	186.3	187.2	188.1	188.1	187.2	186.3	185.0	186.3	185.0
5°	171.6	173.0	175.2	176.1	177.0	175.2	174.3	171.6	169.4	169.9	169.0
7.5°	160.5	161.8	164.5	166.3	166.3	165.4	162.7	160.1	156.5	156.5	156.1
10°	150.3	152.1	155.2	157.4	158.3	157.4	154.7	151.2	148.1	148.1	146.7
12.5°	141.8	144.1	147.6	150.7	151.6	150.7	148.1	144.5	141.0	141.0	140.1
15°	134.7	137.4	141.4	145.0	146.3	145.0	141.8	137.4	133.8	134.3	132.9
17.5°	128.1	130.3	135.6	139.6	141.0	139.6	135.6	129.8	126.3	127.2	126.3
20°	120.5	123.2	128.5	132.9	134.3	132.9	128.5	122.3	118.7	118.7	119.2
22.5°	112.5	115.2	120.5	123.6	125.4	124.1	119.6	113.8	110.3	110.3	110.7
25°	105.4	106.7	110.7	113.8	114.3	112.9	109.4	104.9	102.3	103.6	104.0
27.5°	98.7	98.7	100.5	102.3	101.8	100.5	99.2	95.6	95.2	96.5	97.8
30°	91.6	89.4	88.5	87.1	86.7	86.3	87.6	87.6	88.5	90.3	91.6
32.5°	85.4	80.9	76.9	72.9	70.7	72.5	76.0	79.1	82.3	84.9	86.3
35°	78.3	71.1	64.5	59.1	55.6	58.2	64.0	69.8	75.1	78.7	80.9
37.5°	71.1	60.9	52.9	46.2	43.6	45.8	52.0	60.0	68.0	72.5	75.6
40°	63.6	50.7	41.4	36.0	33.3	35.6	41.8	49.8	60.5	66.3	70.3
42.5°	56.0	41.8	33.3	28.0	26.7	28.0	32.9	40.9	52.5	59.6	64.9
45°	48.5	34.7	26.7	22.7	21.3	22.7	26.7	33.3	44.9	52.9	59.1
47.5°	41.8	29.3	22.2	18.7	17.8	19.1	22.2	28.0	37.8	45.8	52.9
50°	36.5	25.8	19.1	16.0	15.1	16.5	19.1	23.6	32.0	39.1	46.7
52.5°	32.9	24.0	16.9	13.8	13.3	14.2	16.5	20.0	27.1	33.3	40.5
55°	32.0	24.0	15.6	12.4	12.0	12.9	14.7	17.3	23.6	28.9	35.1
57.5°	32.9	25.8	14.7	10.7	10.2	11.1	12.9	15.1	20.5	24.9	30.7
60°	32.9	26.2	12.9	8.4	8.0	8.9	10.7	13.3	18.2	21.8	26.7
62.5°	29.8	24.0	10.7	6.7	5.8	6.7	8.9	11.1	16.0	19.6	23.6
65°	25.8	20.5	8.9	4.9	4.0	4.9	7.1	9.3	13.8	16.9	21.3
67.5°	20.9	15.6	6.7	3.6	2.7	3.6	5.3	7.6	11.6	14.7	19.1
70°	15.6	11.1	5.3	3.1	2.7	3.1	4.9	7.1	10.2	13.3	17.8
72.5°	11.6	7.6	4.4	3.1	2.2	3.1	4.4	6.7	9.8	12.9	16.9
75°	9.8	6.2	4.0	2.7	2.2	2.7	4.0	6.2	8.9	12.0	16.0
77.5°	9.3	5.8	3.6	2.2	1.8	2.2	3.6	5.3	8.0	11.1	15.6
80°	8.0	4.9	3.1	1.8	1.3	1.8	3.1	4.4	6.2	8.4	12.0
82.5°	6.2	4.0	2.2	0.9	0.4	0.9	2.2	2.7	4.0	4.9	7.1
85°	4.0	2.2	0.9	0.0	0.0	0.0	0.9	1.8	1.8	2.2	3.6
87.5°	1.8	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°	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1
2.5°	187.6	188.1	189.0	190.3	193.4	196.1	198.8	202.3	204.1	204.1
5°	169.9	170.3	170.7	172.5	177.0	180.5	186.3	193.4	197.0	197.9
7.5°	156.1	157.0	157.8	159.2	163.6	168.5	176.1	189.4	196.1	197.4
10°	148.1	149.4	151.2	153.8	157.8	163.2	176.1	200.1	211.2	213.4
12.5°	141.8	144.1	145.8	149.0	153.8	162.3	188.1	230.3	249.9	255.2
15°	135.6	138.3	141.0	144.1	149.4	165.4	211.2	284.6	317.0	321.0
17.5°	129.4	132.5	136.1	139.6	146.3	173.0	247.7	359.7	405.1	414.0
20°	122.3	126.3	131.2	135.6	143.2	185.0	298.4	449.1	506.0	525.1
22.5°	114.7	119.6	125.4	131.2	139.6	199.6	359.7	545.1	624.7	637.2
25°	108.5	113.4	118.7	124.5	133.8	217.4	434.0	664.3	736.8	748.8
27.5°	102.7	107.6	112.5	117.8	128.1	240.6	523.3	791.0	866.6	879.1
30°	96.5	102.3	107.2	112.5	122.7	269.0	626.5	931.5	1003.1	1014.7
32.5°	91.2	96.9	101.8	107.2	118.7	300.1	735.0	1056.0	1114.3	1114.3
35°	86.7	92.9	96.5	103.6	115.6	320.1	837.7	1174.7	1218.8	1217.0
37.5°	81.8	89.4	92.0	96.9	111.6	322.4	934.2	1300.1	1332.6	1321.0
40°	76.9	84.9	88.9	91.6	107.2	304.1	1040.0	1415.3	1442.9	1427.7
42.5°	72.5	78.7	84.5	87.6	104.5	272.1	1124.9	1538.5	1571.4	1558.0
45°	68.0	73.4	76.9	82.7	106.3	249.9	1197.9	1682.1	1739.9	1730.1
47.5°	63.6	68.0	70.3	79.1	118.3	239.7	1242.3	1904.4	2013.3	2005.3
50°	58.7	64.0	64.0	78.3	136.1	243.2	1281.0	2226.3	2394.8	2392.2
52.5°	53.8	59.6	58.7	84.9	149.8	259.7	1325.0	2510.4	2803.5	2827.9
55°	48.9	54.2	55.1	98.3	157.8	273.9	1154.7	2630.0	3152.5	3238.3
57.5°	43.6	46.7	57.4	108.5	155.2	315.3	791.0	2651.8	3375.3	3559.3
60°	37.8	40.5	64.9	106.3	146.7	291.2	498.0	2456.2	3343.7	3577.1
62.5°	32.9	37.3	68.5	93.8	149.4	252.6	317.5	2093.4	3042.7	3309.0
65°	28.9	36.0	62.2	84.9	151.2	171.2	214.3	1703.0	2748.8	3002.2
67.5°	25.8	40.0	51.1	75.6	129.8	120.5	147.2	1323.3	2311.2	2538.5
70°	23.6	40.9	41.8	64.9	100.5	77.4	96.9	890.6	1593.1	1852.8
72.5°	21.3	30.2	31.6	52.0	64.9	47.1	62.7	509.6	1161.4	1338.4
75°	20.5	20.5	21.8	33.8	36.0	34.2	40.5	304.1	832.8	962.2
77.5°	19.1	15.6	13.8	21.8	19.6	24.5	24.0	135.2	361.0	390.4
80°	15.1	11.1	9.3	13.8	13.3	16.5	14.2	11.1	16.5	16.0
82.5°	9.3	7.1	6.7	8.4	7.6	8.4	6.7	1.8	1.8	1.8
85°	4.4	4.0	3.6	3.6	4.0	3.6	2.7	0.9	0.4	0.4
87.5°	2.2	2.2	1.8	1.3	1.8	1.8	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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