

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: P630895

Luminaire Tested: GWS-SA1E-750-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630895
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-SA1E-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: 4810.4 lumens
Efficiency: N/A
Efficacy: 82.4 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

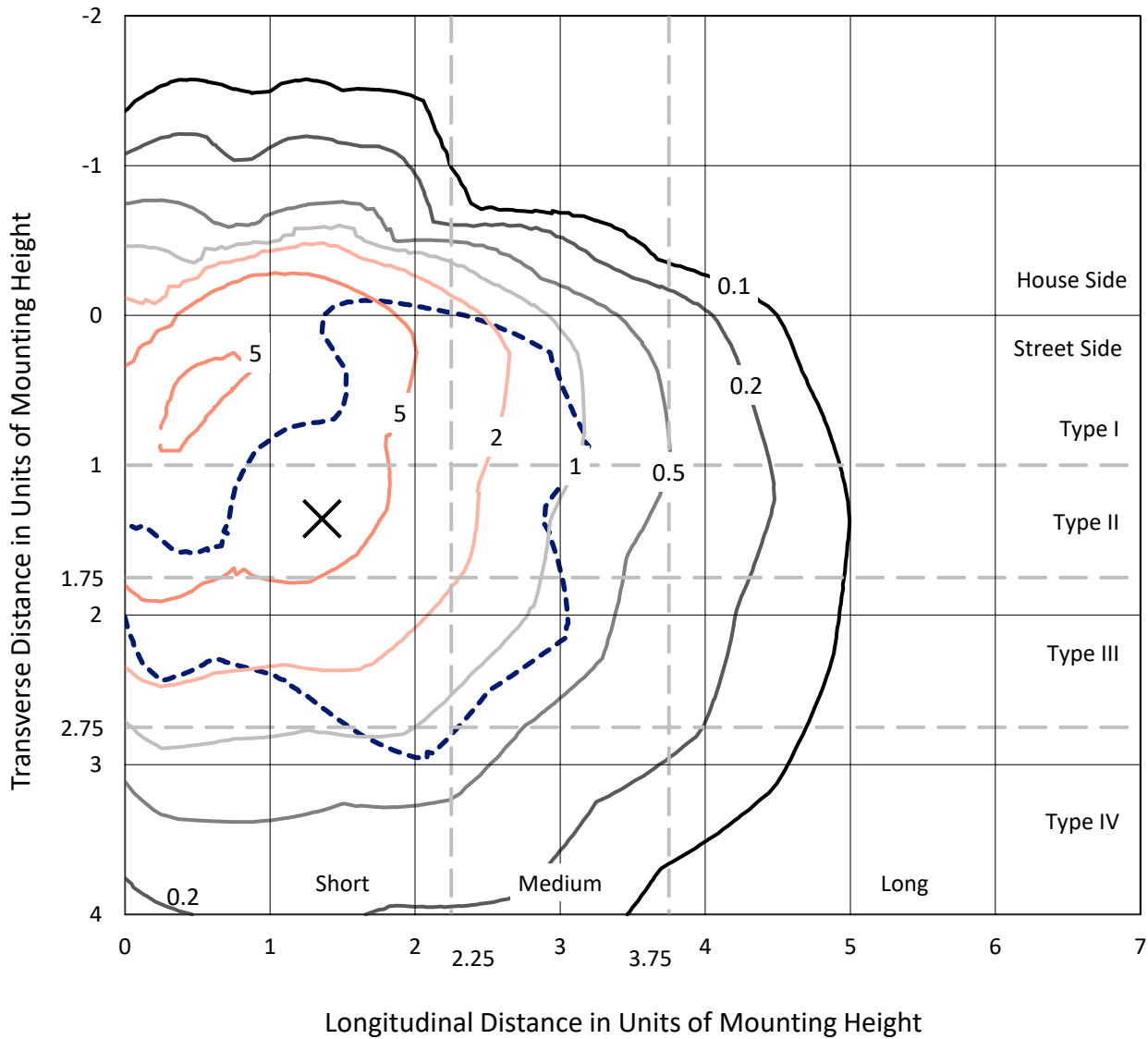
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

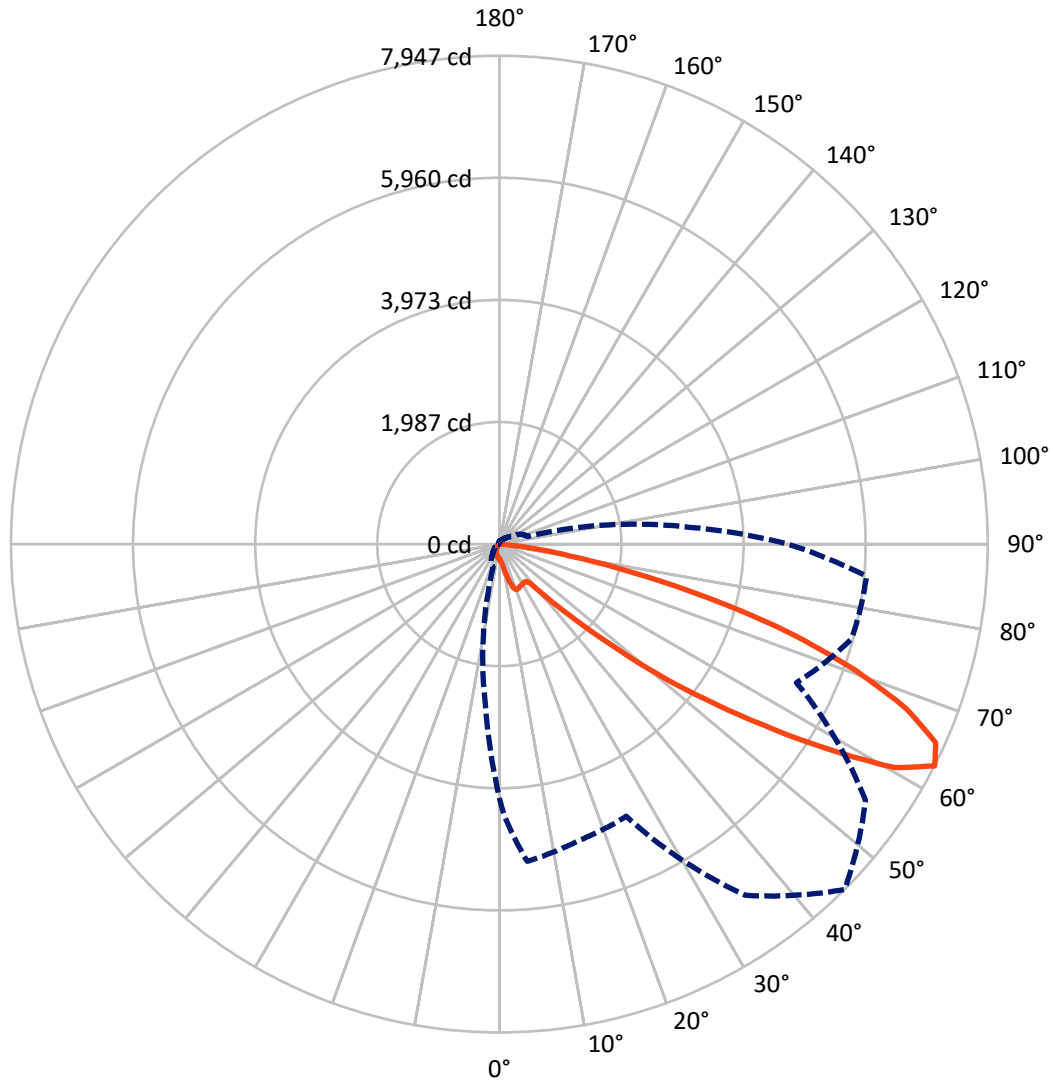
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 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	593.6	0.0	593.6
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	4216.8	0.0	4216.8
	% Fixture	87.7	0.0	87.7
Total	Lumens	4810.4	0.0	4810.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.2	0.5
10°-20°	83.9	1.7
20°-30°	182.3	3.8
30°-40°	299.2	6.2
40°-50°	550.1	11.4
50°-60°	1181.4	24.6
60°-70°	1586.8	33.0
70°-80°	826.2	17.2
80°-90°	78.3	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°	4810.4	100.0
0°-180°	4810.4	100.0

Coefficient of Utilization



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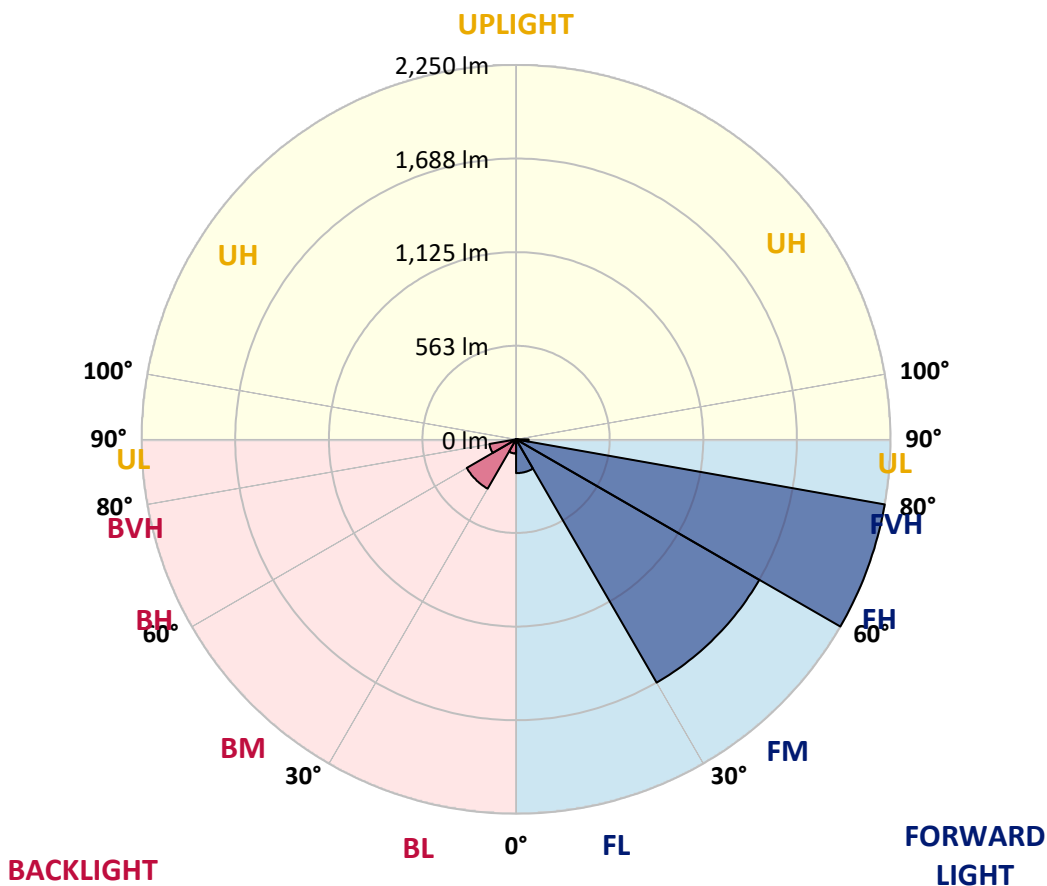
CATALOG NUMBER: GWS-SA1E-750-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	203.2	4.2			
FM (30°-60°)	1688.4	35.1			
FH (60°-80°)	2250.3	46.8			G2/5000
FVH (80°-90°)	74.8	1.6			G1/100
BL (0°-30°)	85.1	1.8	B0/110		
BM (30°-60°)	342.3	7.1	B1/1000		
BH (60°-80°)	162.6	3.4	B1/500		G1/500
BVH (80°-90°)	3.5	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°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	255.0	256.2	257.3	261.2	263.9	266.2	266.7	265.0	261.2	257.3	251.7
5°	247.3	248.4	252.3	262.8	273.4	281.7	284.5	282.8	273.4	261.2	248.4
7.5°	246.7	248.9	258.4	280.6	303.4	320.6	325.1	321.2	303.4	278.9	252.8
10°	266.7	270.6	284.5	324.5	366.2	396.7	409.0	392.3	363.9	319.5	276.7
12.5°	318.9	325.6	352.3	410.6	475.1	515.6	532.3	511.7	467.3	402.8	335.1
15°	401.2	411.2	451.2	538.4	614.5	650.7	656.2	644.5	592.9	521.8	430.6
17.5°	517.3	531.8	594.0	682.9	737.9	750.7	749.0	736.8	699.0	650.1	564.0
20°	656.2	673.4	734.6	807.9	813.5	798.5	790.1	782.9	770.1	761.8	694.6
22.5°	796.2	817.4	881.3	899.6	849.6	806.2	785.7	791.2	810.1	851.2	824.0
25°	935.7	955.7	1015.7	966.3	866.3	794.0	767.9	781.2	826.2	915.1	950.2
27.5°	1098.5	1113.5	1149.1	1011.8	869.0	784.0	758.5	779.0	834.0	955.2	1088.5
30°	1268.0	1276.9	1259.6	1024.1	859.6	769.0	749.0	779.0	847.4	981.8	1192.4
32.5°	1392.4	1394.1	1338.0	1025.2	854.6	756.8	740.1	775.7	860.1	1004.0	1293.0
35°	1520.8	1512.5	1413.0	1041.8	867.9	761.2	746.8	785.1	880.1	1030.2	1381.3
37.5°	1650.8	1635.8	1496.9	1069.1	902.4	809.6	800.7	833.5	912.4	1066.3	1478.6
40°	1784.2	1763.6	1584.1	1110.2	979.0	974.0	1004.6	1000.7	1000.7	1112.4	1578.6
42.5°	1947.0	1923.1	1713.1	1226.3	1158.0	1269.6	1353.0	1301.3	1205.7	1218.5	1708.6
45°	2162.0	2141.5	1936.4	1448.6	1438.6	1695.3	1807.5	1705.3	1467.5	1463.6	1925.9
47.5°	2506.0	2502.1	2292.6	1706.4	1782.0	2237.0	2453.7	2257.0	1765.8	1723.1	2337.0
50°	2989.4	2977.7	2736.6	2008.7	2190.4	2908.2	3295.0	2967.1	2126.5	2025.9	2887.7
52.5°	3533.9	3546.1	3358.3	2338.7	2624.3	3655.0	4193.5	3780.6	2518.2	2410.9	3580.6
55°	4046.8	4116.8	4067.3	2724.9	3048.3	4479.6	5180.3	4673.0	3003.3	2914.9	4357.4
57.5°	4447.9	4645.2	4991.9	3286.1	3546.7	5444.2	6282.1	5640.3	3569.5	3733.4	5414.8
60°	4470.2	4731.3	5536.4	4460.2	4187.9	6271.6	7382.3	6585.5	4459.6	5123.0	6243.2
62.5°	4135.1	4415.2	5181.9	4993.6	4886.3	6975.6	7946.8	7274.5	5335.3	5937.1	5997.6
65°	3751.7	4034.5	4786.3	4388.5	4805.2	6945.6	7803.5	7290.6	5414.8	5383.6	5558.1
67.5°	3172.2	3426.1	4106.8	3884.5	4429.0	6610.5	7141.1	6831.1	4988.6	5035.3	5113.0
70°	2315.4	2559.9	3191.6	3202.7	3867.8	6006.5	6136.0	6093.2	4594.1	4643.5	4421.3
72.5°	1672.5	1878.6	2423.7	2626.5	3087.7	5036.9	4947.5	5112.5	3941.7	4135.7	3551.1
75°	1202.4	1356.9	1778.1	2284.8	2447.6	3740.6	3541.7	3959.5	3162.7	3561.1	2669.9
77.5°	487.9	542.3	699.6	1539.1	1608.6	2516.5	2168.1	2876.0	2254.8	2339.8	1294.1
80°	20.0	22.2	28.9	794.6	1103.0	1415.8	1160.2	1537.5	1489.1	942.4	305.6
82.5°	2.2	2.2	5.0	228.9	482.9	781.2	546.8	885.7	754.0	399.5	138.9
85°	0.6	0.6	1.1	26.1	113.4	125.0	73.9	271.7	350.6	163.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	5.0	5.6	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°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	251.7	248.9	245.6	242.3	240.6	236.1	234.5	233.4	232.3	232.8	232.8
5°	243.4	237.3	230.0	222.8	218.9	214.5	212.3	211.1	211.7	213.9	213.9
7.5°	242.3	230.6	215.0	205.6	201.1	197.8	195.6	194.5	195.0	197.8	198.9
10°	260.6	240.0	212.3	196.1	191.1	187.8	185.6	183.9	182.8	185.0	185.6
12.5°	300.0	271.7	225.6	195.0	186.1	181.7	180.0	176.7	175.0	176.1	176.7
15°	381.7	332.8	252.3	199.5	181.7	176.7	173.9	171.1	168.4	167.8	168.4
17.5°	488.4	418.4	292.8	210.0	178.4	172.2	168.4	164.5	160.6	160.0	159.5
20°	620.7	523.4	349.5	226.7	175.6	168.4	162.8	157.2	152.2	150.6	150.6
22.5°	741.2	650.1	422.3	247.3	171.7	162.8	156.1	149.5	143.9	141.1	140.6
25°	888.5	784.6	509.5	271.2	166.1	155.6	148.4	141.7	136.1	132.8	131.7
27.5°	1036.8	926.3	608.4	302.3	159.5	148.4	141.7	135.6	129.5	125.6	124.5
30°	1180.7	1079.1	719.6	341.2	154.5	141.1	135.6	129.5	123.9	117.8	116.1
32.5°	1335.2	1235.2	844.0	384.5	150.6	136.1	130.0	124.5	117.2	111.7	108.9
35°	1484.1	1396.3	981.3	426.7	146.7	131.7	125.0	119.5	111.7	105.6	101.7
37.5°	1634.2	1560.3	1124.6	452.3	141.1	125.6	119.5	115.0	106.1	98.9	94.5
40°	1793.1	1729.7	1279.6	441.7	136.1	118.9	115.6	110.6	100.6	92.2	86.7
42.5°	1967.5	1891.4	1437.5	401.2	131.7	113.4	110.0	105.0	95.6	85.6	78.3
45°	2187.0	2068.7	1566.9	340.1	133.9	107.8	101.1	100.0	91.1	78.3	69.5
47.5°	2564.3	2340.9	1667.5	300.6	148.9	101.7	93.9	96.7	87.2	71.1	61.1
50°	3141.6	2792.1	1761.4	297.8	171.7	98.9	87.2	94.5	83.3	63.9	53.9
52.5°	3691.7	3250.5	1821.4	322.3	191.7	106.1	80.6	91.7	80.6	58.9	48.9
55°	4217.9	3515.0	1714.2	340.1	210.6	127.8	75.6	87.2	77.2	56.1	47.2
57.5°	4785.2	3632.8	1349.7	376.2	223.9	146.1	76.7	80.6	72.8	54.5	46.7
60°	4954.7	3482.2	814.6	423.4	216.7	151.7	85.0	71.7	66.7	51.1	45.0
62.5°	4691.3	3124.9	480.6	385.6	210.6	143.4	97.2	66.1	60.6	46.7	41.7
65°	4297.4	2639.9	313.4	325.6	223.4	127.8	103.3	63.3	55.0	42.2	36.7
67.5°	3847.3	2126.5	219.5	192.3	206.1	115.0	87.2	62.8	49.5	35.6	30.0
70°	3240.5	1592.5	154.5	127.2	171.7	102.2	67.8	61.1	43.3	28.9	23.3
72.5°	2503.7	996.8	115.0	82.2	122.2	83.3	53.9	51.7	35.0	23.9	17.8
75°	1846.4	568.4	81.1	59.5	80.6	63.3	40.0	36.7	30.0	22.8	16.1
77.5°	964.0	284.5	50.6	45.6	46.1	39.5	28.9	26.7	27.8	22.8	15.0
80°	185.0	56.7	30.6	33.3	25.0	25.0	21.1	22.2	24.4	18.3	12.8
82.5°	77.2	12.2	16.7	18.9	15.6	17.2	17.2	17.8	17.2	13.3	9.4
85°	0.0	0.0	7.2	7.8	10.6	10.6	8.9	8.9	8.9	7.8	5.6
87.5°	0.0	0.0	0.0	0.0	0.6	1.7	3.3	3.9	4.4	3.3	2.2
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°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	232.3	231.1	232.8	233.9	235.0	235.0	233.9	232.8	231.1	232.8	231.1
5°	214.5	216.1	218.9	220.0	221.1	218.9	217.8	214.5	211.7	212.3	211.1
7.5°	200.6	202.3	205.6	207.8	207.8	206.7	203.4	200.0	195.6	195.6	195.0
10°	187.8	190.0	193.9	196.7	197.8	196.7	193.4	188.9	185.0	185.0	183.4
12.5°	177.3	180.0	184.5	188.4	189.5	188.4	185.0	180.6	176.1	176.1	175.0
15°	168.4	171.7	176.7	181.1	182.8	181.1	177.3	171.7	167.2	167.8	166.1
17.5°	160.0	162.8	169.5	174.5	176.1	174.5	169.5	162.2	157.8	158.9	157.8
20°	150.6	153.9	160.6	166.1	167.8	166.1	160.6	152.8	148.4	148.4	148.9
22.5°	140.6	143.9	150.6	154.5	156.7	155.0	149.5	142.2	137.8	137.8	138.4
25°	131.7	133.4	138.4	142.2	142.8	141.1	136.7	131.1	127.8	129.5	130.0
27.5°	123.4	123.4	125.6	127.8	127.2	125.6	123.9	119.5	118.9	120.6	122.2
30°	114.5	111.7	110.6	108.9	108.4	107.8	109.5	109.5	110.6	112.8	114.5
32.5°	106.7	101.1	96.1	91.1	88.3	90.6	95.0	98.9	102.8	106.1	107.8
35°	97.8	88.9	80.6	73.9	69.5	72.8	80.0	87.2	93.9	98.3	101.1
37.5°	88.9	76.1	66.1	57.8	54.5	57.2	65.0	75.0	85.0	90.6	94.5
40°	79.5	63.3	51.7	45.0	41.7	44.5	52.2	62.2	75.6	82.8	87.8
42.5°	70.0	52.2	41.7	35.0	33.3	35.0	41.1	51.1	65.6	74.5	81.1
45°	60.6	43.3	33.3	28.3	26.7	28.3	33.3	41.7	56.1	66.1	73.9
47.5°	52.2	36.7	27.8	23.3	22.2	23.9	27.8	35.0	47.2	57.2	66.1
50°	45.6	32.2	23.9	20.0	18.9	20.6	23.9	29.4	40.0	48.9	58.3
52.5°	41.1	30.0	21.1	17.2	16.7	17.8	20.6	25.0	33.9	41.7	50.6
55°	40.0	30.0	19.4	15.6	15.0	16.1	18.3	21.7	29.4	36.1	43.9
57.5°	41.1	32.2	18.3	13.3	12.8	13.9	16.1	18.9	25.6	31.1	38.3
60°	41.1	32.8	16.1	10.6	10.0	11.1	13.3	16.7	22.8	27.2	33.3
62.5°	37.2	30.0	13.3	8.3	7.2	8.3	11.1	13.9	20.0	24.4	29.4
65°	32.2	25.6	11.1	6.1	5.0	6.1	8.9	11.7	17.2	21.1	26.7
67.5°	26.1	19.4	8.3	4.4	3.3	4.4	6.7	9.4	14.4	18.3	23.9
70°	19.4	13.9	6.7	3.9	3.3	3.9	6.1	8.9	12.8	16.7	22.2
72.5°	14.4	9.4	5.6	3.9	2.8	3.9	5.6	8.3	12.2	16.1	21.1
75°	12.2	7.8	5.0	3.3	2.8	3.3	5.0	7.8	11.1	15.0	20.0
77.5°	11.7	7.2	4.4	2.8	2.2	2.8	4.4	6.7	10.0	13.9	19.4
80°	10.0	6.1	3.9	2.2	1.7	2.2	3.9	5.6	7.8	10.6	15.0
82.5°	7.8	5.0	2.8	1.1	0.6	1.1	2.8	3.3	5.0	6.1	8.9
85°	5.0	2.8	1.1	0.0	0.0	0.0	1.1	2.2	2.2	2.8	4.4
87.5°	2.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	234.5	235.0	236.1	237.8	241.7	245.0	248.4	252.8	255.0	255.0
5°	212.3	212.8	213.4	215.6	221.1	225.6	232.8	241.7	246.2	247.3
7.5°	195.0	196.1	197.3	198.9	204.5	210.6	220.0	236.7	245.0	246.7
10°	185.0	186.7	188.9	192.3	197.3	203.9	220.0	250.0	263.9	266.7
12.5°	177.3	180.0	182.3	186.1	192.3	202.8	235.0	287.8	312.3	318.9
15°	169.5	172.8	176.1	180.0	186.7	206.7	263.9	355.6	396.2	401.2
17.5°	161.7	165.6	170.0	174.5	182.8	216.1	309.5	449.5	506.2	517.3
20°	152.8	157.8	163.9	169.5	178.9	231.1	372.8	561.2	632.3	656.2
22.5°	143.4	149.5	156.7	163.9	174.5	249.5	449.5	681.2	780.7	796.2
25°	135.6	141.7	148.4	155.6	167.2	271.7	542.3	830.1	920.7	935.7
27.5°	128.4	134.5	140.6	147.2	160.0	300.6	654.0	988.5	1083.0	1098.5
30°	120.6	127.8	133.9	140.6	153.4	336.2	782.9	1164.1	1253.5	1268.0
32.5°	113.9	121.1	127.2	133.9	148.4	375.1	918.5	1319.7	1392.4	1392.4
35°	108.4	116.1	120.6	129.5	144.5	400.1	1046.8	1468.0	1523.0	1520.8
37.5°	102.2	111.7	115.0	121.1	139.5	402.8	1167.4	1624.7	1665.3	1650.8
40°	96.1	106.1	111.1	114.5	133.9	380.1	1299.7	1768.6	1803.1	1784.2
42.5°	90.6	98.3	105.6	109.5	130.6	340.1	1405.8	1922.5	1963.6	1947.0
45°	85.0	91.7	96.1	103.3	132.8	312.3	1496.9	2102.0	2174.2	2162.0
47.5°	79.5	85.0	87.8	98.9	147.8	299.5	1552.5	2379.8	2516.0	2506.0
50°	73.3	80.0	80.0	97.8	170.0	303.9	1600.8	2782.1	2992.7	2989.4
52.5°	67.2	74.5	73.3	106.1	187.3	324.5	1655.8	3137.2	3503.3	3533.9
55°	61.1	67.8	68.9	122.8	197.3	342.3	1443.0	3286.6	3939.5	4046.8
57.5°	54.5	58.3	71.7	135.6	193.9	394.0	988.5	3313.9	4217.9	4447.9
60°	47.2	50.6	81.1	132.8	183.4	363.9	622.3	3069.4	4178.4	4470.2
62.5°	41.1	46.7	85.6	117.2	186.7	315.6	396.7	2616.0	3802.3	4135.1
65°	36.1	45.0	77.8	106.1	188.9	213.9	267.8	2128.1	3435.0	3751.7
67.5°	32.2	50.0	63.9	94.5	162.2	150.6	183.9	1653.6	2888.2	3172.2
70°	29.4	51.1	52.2	81.1	125.6	96.7	121.1	1113.0	1990.9	2315.4
72.5°	26.7	37.8	39.5	65.0	81.1	58.9	78.3	636.8	1451.3	1672.5
75°	25.6	25.6	27.2	42.2	45.0	42.8	50.6	380.1	1040.7	1202.4
77.5°	23.9	19.4	17.2	27.2	24.4	30.6	30.0	168.9	451.2	487.9
80°	18.9	13.9	11.7	17.2	16.7	20.6	17.8	13.9	20.6	20.0
82.5°	11.7	8.9	8.3	10.6	9.4	10.6	8.3	2.2	2.2	2.2
85°	5.6	5.0	4.4	4.4	5.0	4.4	3.3	1.1	0.6	0.6
87.5°	2.8	2.8	2.2	1.7	2.2	2.2	1.7	0.6	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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