

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: P630840

Luminaire Tested: GWS-SA1E-740-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630840
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4702.6 lumens
Efficiency: N/A
Efficacy: 80.5 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

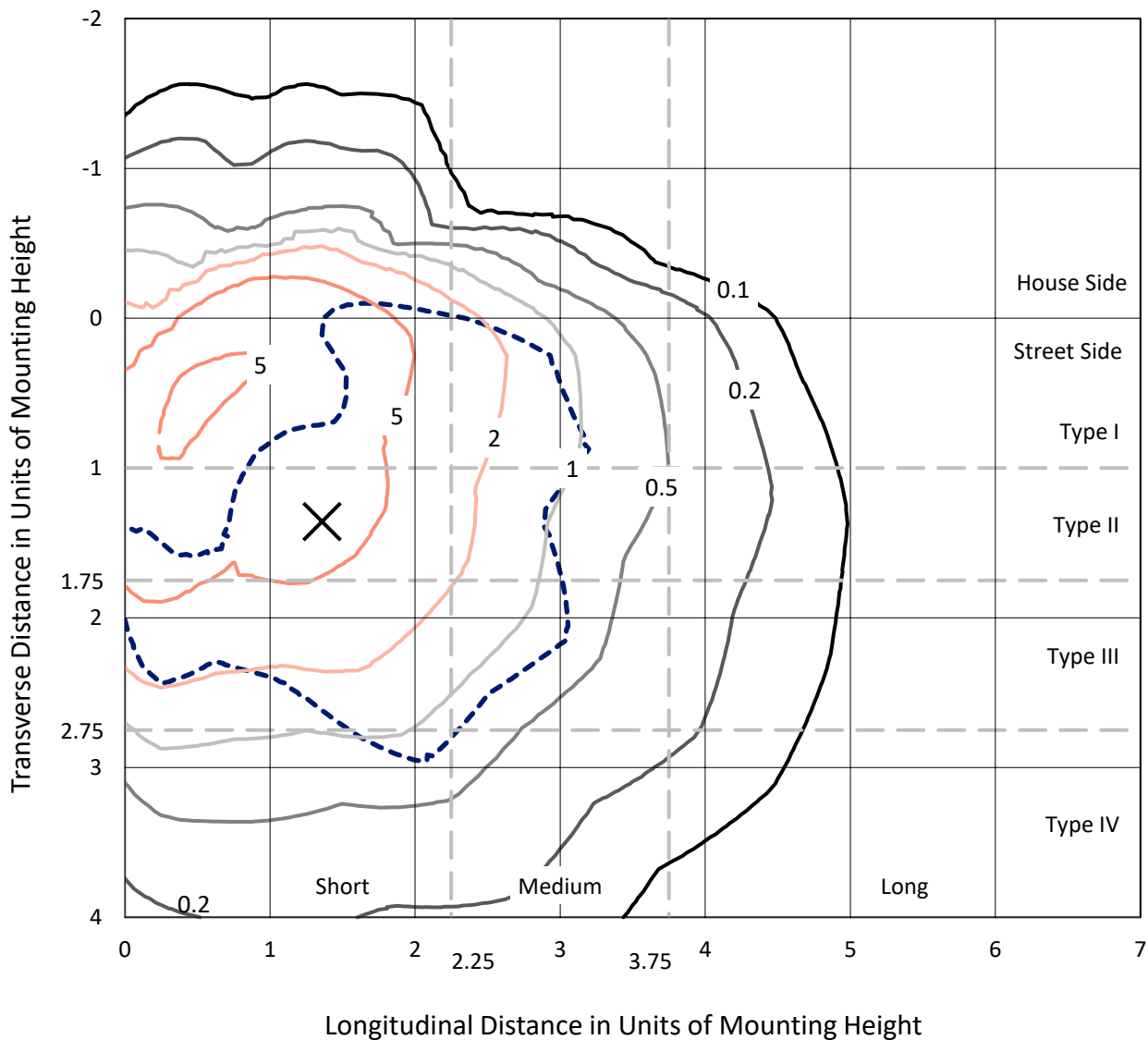
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

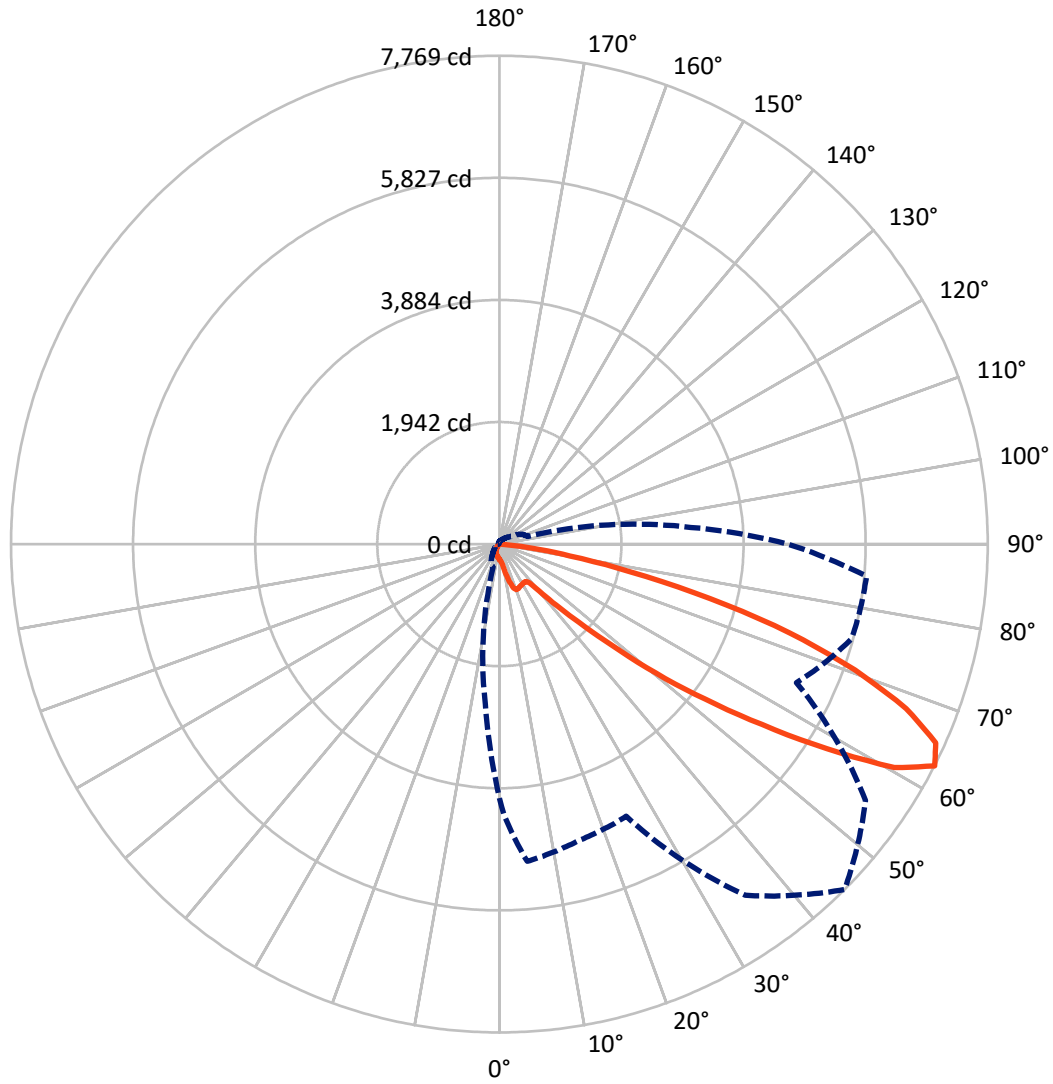
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 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	580.3	0.0	580.3
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	4122.3	0.0	4122.3
	% Fixture	87.7	0.0	87.7
Total	Lumens	4702.6	0.0	4702.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.7	0.5
10°-20°	82.0	1.7
20°-30°	178.2	3.8
30°-40°	292.5	6.2
40°-50°	537.8	11.4
50°-60°	1154.9	24.6
60°-70°	1551.2	33.0
70°-80°	807.7	17.2
80°-90°	76.6	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°	4702.6	100.0
0°-180°	4702.6	100.0

Coefficient of Utilization



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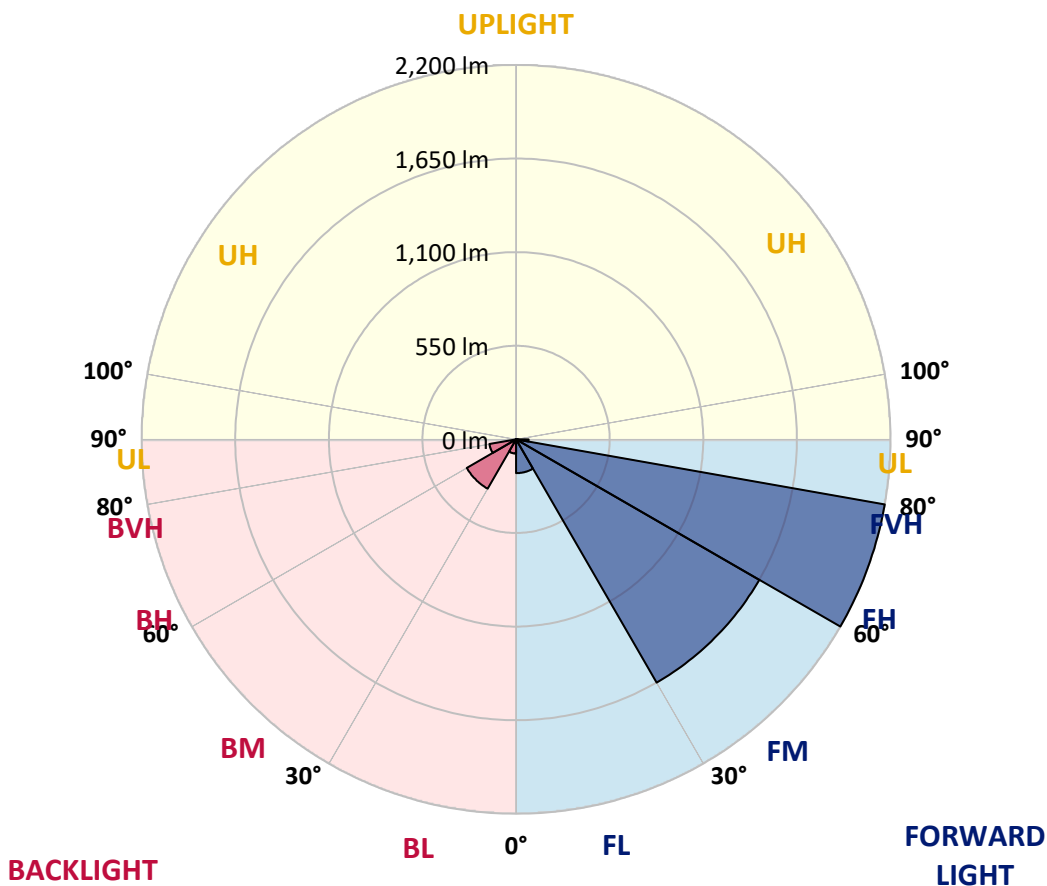
CATALOG NUMBER: GWS-SA1E-740-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	198.7	4.2			
FM (30°-60°)	1650.6	35.1			
FH (60°-80°)	2199.9	46.8			G2/5000
FVH (80°-90°)	73.2	1.6			G1/100
BL (0°-30°)	83.2	1.8	B0/110		
BM (30°-60°)	334.6	7.1	B1/1000		
BH (60°-80°)	159.0	3.4	B1/500		G1/500
BVH (80°-90°)	3.4	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°	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4
2.5°	249.3	250.4	251.5	255.3	258.0	260.2	260.7	259.1	255.3	251.5	246.1
5°	241.7	242.8	246.6	256.9	267.3	275.4	278.1	276.5	267.3	255.3	242.8
7.5°	241.2	243.4	252.6	274.3	296.6	313.4	317.8	314.0	296.6	272.7	247.2
10°	260.7	264.5	278.1	317.2	358.0	387.8	399.8	383.5	355.8	312.3	270.5
12.5°	311.8	318.3	344.4	401.4	464.4	504.1	520.4	500.3	456.8	393.8	327.5
15°	392.2	402.0	441.1	526.4	600.8	636.1	641.5	630.1	579.6	510.1	421.0
17.5°	505.7	519.8	580.7	667.6	721.4	733.9	732.2	720.3	683.3	635.5	551.3
20°	641.5	658.3	718.1	789.8	795.2	780.6	772.4	765.4	752.9	744.7	679.0
22.5°	778.4	799.0	861.5	879.4	830.5	788.2	768.1	773.5	792.0	832.2	805.6
25°	914.7	934.3	993.0	944.6	846.8	776.2	750.7	763.7	807.7	894.6	928.9
27.5°	1073.9	1088.6	1123.3	989.2	849.6	766.4	741.5	761.6	815.3	933.7	1064.1
30°	1239.6	1248.3	1231.4	1001.1	840.3	751.8	732.2	761.6	828.4	959.8	1165.7
32.5°	1361.2	1362.9	1308.0	1002.2	835.4	739.8	723.5	758.3	840.9	981.5	1264.0
35°	1486.7	1478.6	1381.3	1018.5	848.5	744.2	730.1	767.5	860.4	1007.1	1350.4
37.5°	1613.8	1599.2	1463.4	1045.1	882.1	791.4	782.7	814.8	891.9	1042.4	1445.4
40°	1744.2	1724.1	1548.6	1085.3	957.1	952.2	982.1	978.3	978.3	1087.5	1543.2
42.5°	1903.3	1880.0	1674.7	1198.8	1132.0	1241.2	1322.7	1272.2	1178.7	1191.2	1670.3
45°	2113.6	2093.5	1893.0	1416.1	1406.3	1657.3	1767.0	1667.1	1434.6	1430.8	1882.7
47.5°	2449.8	2446.0	2241.2	1668.1	1742.0	2186.9	2398.7	2206.4	1726.3	1684.4	2284.7
50°	2922.4	2911.0	2675.2	1963.6	2141.3	2843.1	3221.1	2900.6	2078.8	1980.5	2823.0
52.5°	3454.7	3466.7	3283.1	2286.3	2565.5	3573.1	4099.5	3695.9	2461.7	2356.9	3500.3
55°	3956.1	4024.5	3976.2	2663.8	2980.0	4379.2	5064.2	4568.3	2936.0	2849.6	4259.7
57.5°	4348.3	4541.1	4880.0	3212.4	3467.2	5322.2	6141.3	5514.0	3489.5	3649.7	5293.4
60°	4370.0	4625.3	5412.4	4360.2	4094.0	6131.0	7216.9	6437.9	4359.7	5008.2	6103.3
62.5°	4042.4	4316.2	5065.8	4881.7	4776.8	6819.2	7768.7	7111.5	5215.7	5804.0	5863.2
65°	3667.6	3944.1	4679.1	4290.1	4697.5	6789.9	7628.6	7127.2	5293.4	5263.0	5433.6
67.5°	3101.1	3349.3	4014.7	3797.5	4329.8	6462.4	6981.1	6678.0	4876.8	4922.4	4998.5
70°	2263.5	2502.5	3120.1	3131.0	3781.2	5871.9	5998.5	5956.7	4491.1	4539.5	4322.2
72.5°	1635.0	1836.5	2369.4	2567.7	3018.5	4924.0	4836.6	4997.9	3853.4	4043.0	3471.5
75°	1175.5	1326.5	1738.2	2233.6	2392.8	3656.8	3462.3	3870.8	3091.9	3481.3	2610.0
77.5°	476.9	530.2	683.9	1504.6	1572.5	2460.1	2119.5	2811.6	2204.3	2287.4	1265.1
80°	19.6	21.7	28.2	776.8	1078.2	1384.1	1134.2	1503.0	1455.8	921.3	298.8
82.5°	2.2	2.2	4.9	223.8	472.0	763.7	534.5	865.8	737.1	390.6	135.8
85°	0.5	0.5	1.1	25.5	110.8	122.2	72.2	265.6	342.8	159.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	4.9	5.4	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°	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4
2.5°	246.1	243.4	240.1	236.8	235.2	230.9	229.2	228.1	227.1	227.6	227.6
5°	237.9	231.9	224.9	217.8	214.0	209.7	207.5	206.4	207.0	209.1	209.1
7.5°	236.8	225.4	210.2	201.0	196.6	193.4	191.2	190.1	190.7	193.4	194.5
10°	254.8	234.7	207.5	191.7	186.9	183.6	181.4	179.8	178.7	180.9	181.4
12.5°	293.3	265.6	220.5	190.7	182.0	177.6	176.0	172.7	171.1	172.2	172.7
15°	373.2	325.4	246.6	195.0	177.6	172.7	170.0	167.3	164.6	164.0	164.6
17.5°	477.5	409.0	286.3	205.3	174.4	168.4	164.6	160.8	157.0	156.4	155.9
20°	606.7	511.7	341.7	221.6	171.6	164.6	159.2	153.7	148.8	147.2	147.2
22.5°	724.6	635.5	412.8	241.7	167.8	159.2	152.6	146.1	140.7	138.0	137.4
25°	868.6	767.0	498.1	265.1	162.4	152.1	145.0	138.5	133.1	129.8	128.7
27.5°	1013.6	905.5	594.8	295.5	155.9	145.0	138.5	132.5	126.6	122.8	121.7
30°	1154.3	1054.9	703.4	333.5	151.0	138.0	132.5	126.6	121.1	115.2	113.5
32.5°	1305.3	1207.5	825.1	375.9	147.2	133.1	127.1	121.7	114.6	109.2	106.5
35°	1450.9	1365.0	959.3	417.2	143.4	128.7	122.2	116.8	109.2	103.2	99.4
37.5°	1597.5	1525.3	1099.4	442.2	138.0	122.8	116.8	112.4	103.7	96.7	92.3
40°	1752.9	1691.0	1251.0	431.8	133.1	116.2	113.0	108.1	98.3	90.2	84.7
42.5°	1923.4	1849.0	1405.2	392.2	128.7	110.8	107.6	102.7	93.4	83.7	76.6
45°	2138.0	2022.3	1531.8	332.4	130.9	105.4	98.9	97.8	89.1	76.6	67.9
47.5°	2506.8	2288.5	1630.1	293.9	145.6	99.4	91.8	94.5	85.3	69.5	59.8
50°	3071.2	2729.5	1721.9	291.2	167.8	96.7	85.3	92.3	81.5	62.5	52.7
52.5°	3609.0	3177.7	1780.6	315.1	187.4	103.7	78.8	89.6	78.8	57.6	47.8
55°	4123.4	3436.2	1675.7	332.4	205.9	124.9	73.9	85.3	75.5	54.9	46.2
57.5°	4678.0	3551.4	1319.4	367.7	218.9	142.9	75.0	78.8	71.2	53.2	45.6
60°	4843.7	3404.2	796.3	413.9	211.8	148.3	83.1	70.1	65.2	50.0	44.0
62.5°	4586.2	3054.9	469.9	377.0	205.9	140.1	95.1	64.6	59.2	45.6	40.7
65°	4201.1	2580.7	306.4	318.3	218.4	124.9	101.0	61.9	53.8	41.3	35.9
67.5°	3761.1	2078.8	214.6	187.9	201.5	112.4	85.3	61.4	48.3	34.8	29.3
70°	3167.9	1556.8	151.0	124.4	167.8	99.9	66.3	59.8	42.4	28.2	22.8
72.5°	2447.6	974.5	112.4	80.4	119.5	81.5	52.7	50.5	34.2	23.4	17.4
75°	1805.0	555.7	79.3	58.1	78.8	61.9	39.1	35.9	29.3	22.3	15.8
77.5°	942.4	278.1	49.4	44.5	45.1	38.6	28.2	26.1	27.2	22.3	14.7
80°	180.9	55.4	29.9	32.6	24.4	24.4	20.6	21.7	23.9	17.9	12.5
82.5°	75.5	12.0	16.3	18.5	15.2	16.8	16.8	17.4	16.8	13.0	9.2
85°	0.0	0.0	7.1	7.6	10.3	10.3	8.7	8.7	8.7	7.6	5.4
87.5°	0.0	0.0	0.0	0.0	0.5	1.6	3.3	3.8	4.3	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°	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4
2.5°	227.1	226.0	227.6	228.7	229.8	229.8	228.7	227.6	226.0	227.6	226.0
5°	209.7	211.3	214.0	215.1	216.2	214.0	212.9	209.7	207.0	207.5	206.4
7.5°	196.1	197.7	201.0	203.2	203.2	202.1	198.8	195.5	191.2	191.2	190.7
10°	183.6	185.8	189.6	192.3	193.4	192.3	189.0	184.7	180.9	180.9	179.3
12.5°	173.3	176.0	180.3	184.1	185.2	184.1	180.9	176.5	172.2	172.2	171.1
15°	164.6	167.8	172.7	177.1	178.7	177.1	173.3	167.8	163.5	164.0	162.4
17.5°	156.4	159.2	165.7	170.6	172.2	170.6	165.7	158.6	154.3	155.4	154.3
20°	147.2	150.5	157.0	162.4	164.0	162.4	157.0	149.4	145.0	145.0	145.6
22.5°	137.4	140.7	147.2	151.0	153.2	151.6	146.1	139.1	134.7	134.7	135.3
25°	128.7	130.4	135.3	139.1	139.6	138.0	133.6	128.2	124.9	126.6	127.1
27.5°	120.6	120.6	122.8	124.9	124.4	122.8	121.1	116.8	116.2	117.9	119.5
30°	111.9	109.2	108.1	106.5	105.9	105.4	107.0	107.0	108.1	110.3	111.9
32.5°	104.3	98.9	94.0	89.1	86.4	88.5	92.9	96.7	100.5	103.7	105.4
35°	95.6	86.9	78.8	72.2	67.9	71.2	78.2	85.3	91.8	96.1	98.9
37.5°	86.9	74.4	64.6	56.5	53.2	55.9	63.6	73.3	83.1	88.5	92.3
40°	77.7	61.9	50.5	44.0	40.7	43.5	51.1	60.8	73.9	80.9	85.8
42.5°	68.4	51.1	40.7	34.2	32.6	34.2	40.2	50.0	64.1	72.8	79.3
45°	59.2	42.4	32.6	27.7	26.1	27.7	32.6	40.7	54.9	64.6	72.2
47.5°	51.1	35.9	27.2	22.8	21.7	23.4	27.2	34.2	46.2	55.9	64.6
50°	44.5	31.5	23.4	19.6	18.5	20.1	23.4	28.8	39.1	47.8	57.0
52.5°	40.2	29.3	20.6	16.8	16.3	17.4	20.1	24.4	33.1	40.7	49.4
55°	39.1	29.3	19.0	15.2	14.7	15.8	17.9	21.2	28.8	35.3	42.9
57.5°	40.2	31.5	17.9	13.0	12.5	13.6	15.8	18.5	25.0	30.4	37.5
60°	40.2	32.0	15.8	10.3	9.8	10.9	13.0	16.3	22.3	26.6	32.6
62.5°	36.4	29.3	13.0	8.1	7.1	8.1	10.9	13.6	19.6	23.9	28.8
65°	31.5	25.0	10.9	6.0	4.9	6.0	8.7	11.4	16.8	20.6	26.1
67.5°	25.5	19.0	8.1	4.3	3.3	4.3	6.5	9.2	14.1	17.9	23.4
70°	19.0	13.6	6.5	3.8	3.3	3.8	6.0	8.7	12.5	16.3	21.7
72.5°	14.1	9.2	5.4	3.8	2.7	3.8	5.4	8.1	12.0	15.8	20.6
75°	12.0	7.6	4.9	3.3	2.7	3.3	4.9	7.6	10.9	14.7	19.6
77.5°	11.4	7.1	4.3	2.7	2.2	2.7	4.3	6.5	9.8	13.6	19.0
80°	9.8	6.0	3.8	2.2	1.6	2.2	3.8	5.4	7.6	10.3	14.7
82.5°	7.6	4.9	2.7	1.1	0.5	1.1	2.7	3.3	4.9	6.0	8.7
85°	4.9	2.7	1.1	0.0	0.0	0.0	1.1	2.2	2.2	2.7	4.3
87.5°	2.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4
2.5°	229.2	229.8	230.9	232.5	236.3	239.5	242.8	247.2	249.3	249.3
5°	207.5	208.0	208.6	210.8	216.2	220.5	227.6	236.3	240.6	241.7
7.5°	190.7	191.7	192.8	194.5	199.9	205.9	215.1	231.4	239.5	241.2
10°	180.9	182.5	184.7	187.9	192.8	199.4	215.1	244.4	258.0	260.7
12.5°	173.3	176.0	178.2	182.0	187.9	198.3	229.8	281.4	305.3	311.8
15°	165.7	168.9	172.2	176.0	182.5	202.1	258.0	347.6	387.3	392.2
17.5°	158.1	161.9	166.2	170.6	178.7	211.3	302.6	439.4	494.8	505.7
20°	149.4	154.3	160.2	165.7	174.9	226.0	364.5	548.6	618.2	641.5
22.5°	140.1	146.1	153.2	160.2	170.6	243.9	439.4	666.0	763.2	778.4
25°	132.5	138.5	145.0	152.1	163.5	265.6	530.2	811.5	900.1	914.7
27.5°	125.5	131.5	137.4	143.9	156.4	293.9	639.3	966.3	1058.7	1073.9
30°	117.9	124.9	130.9	137.4	149.9	328.6	765.4	1138.0	1225.4	1239.6
32.5°	111.4	118.4	124.4	130.9	145.0	366.7	897.9	1290.1	1361.2	1361.2
35°	105.9	113.5	117.9	126.6	141.2	391.1	1023.4	1435.1	1488.9	1486.7
37.5°	99.9	109.2	112.4	118.4	136.3	393.8	1141.2	1588.3	1627.9	1613.8
40°	94.0	103.7	108.6	111.9	130.9	371.5	1270.5	1729.0	1762.7	1744.2
42.5°	88.5	96.1	103.2	107.0	127.7	332.4	1374.3	1879.4	1919.6	1903.3
45°	83.1	89.6	94.0	101.0	129.8	305.3	1463.4	2054.9	2125.5	2113.6
47.5°	77.7	83.1	85.8	96.7	144.5	292.8	1517.7	2326.5	2459.6	2449.8
50°	71.7	78.2	78.2	95.6	166.2	297.1	1564.9	2719.8	2925.6	2922.4
52.5°	65.7	72.8	71.7	103.7	183.1	317.2	1618.7	3066.9	3424.8	3454.7
55°	59.8	66.3	67.4	120.0	192.8	334.6	1410.7	3213.0	3851.2	3956.1
57.5°	53.2	57.0	70.1	132.5	189.6	385.1	966.3	3239.6	4123.4	4348.3
60°	46.2	49.4	79.3	129.8	179.3	355.8	608.4	3000.6	4084.8	4370.0
62.5°	40.2	45.6	83.7	114.6	182.5	308.5	387.8	2557.4	3717.1	4042.4
65°	35.3	44.0	76.0	103.7	184.7	209.1	261.8	2080.4	3358.0	3667.6
67.5°	31.5	48.9	62.5	92.3	158.6	147.2	179.8	1616.5	2823.5	3101.1
70°	28.8	50.0	51.1	79.3	122.8	94.5	118.4	1088.0	1946.3	2263.5
72.5°	26.1	36.9	38.6	63.6	79.3	57.6	76.6	622.5	1418.8	1635.0
75°	25.0	25.0	26.6	41.3	44.0	41.8	49.4	371.5	1017.4	1175.5
77.5°	23.4	19.0	16.8	26.6	23.9	29.9	29.3	165.1	441.1	476.9
80°	18.5	13.6	11.4	16.8	16.3	20.1	17.4	13.6	20.1	19.6
82.5°	11.4	8.7	8.1	10.3	9.2	10.3	8.1	2.2	2.2	2.2
85°	5.4	4.9	4.3	4.3	4.9	4.3	3.3	1.1	0.5	0.5
87.5°	2.7	2.7	2.2	1.6	2.2	2.2	1.6	0.5	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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