

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: P632270

Luminaire Tested: GWS-SA2C-735-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632270
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-SA2C-735-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5665.1 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

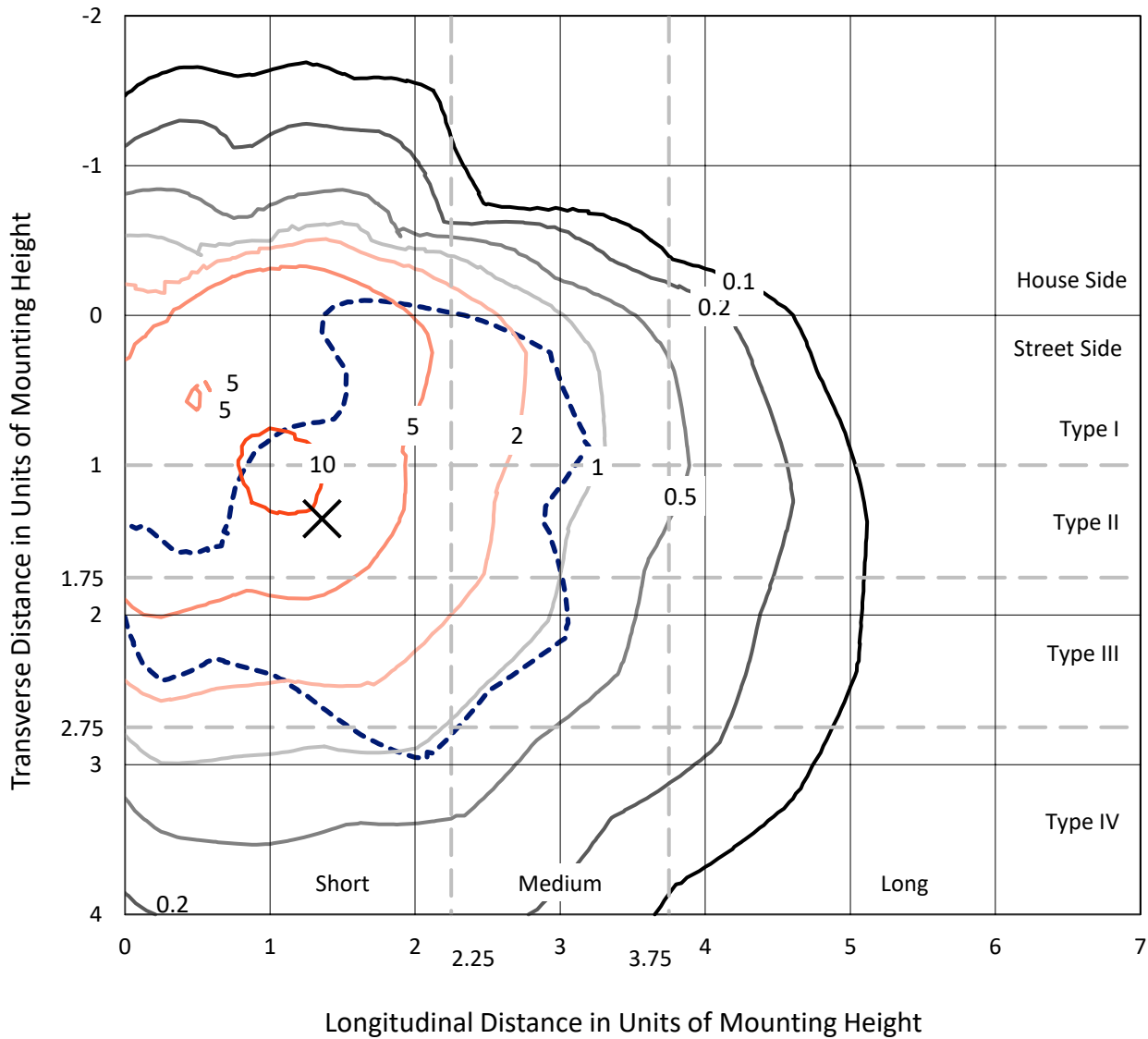
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

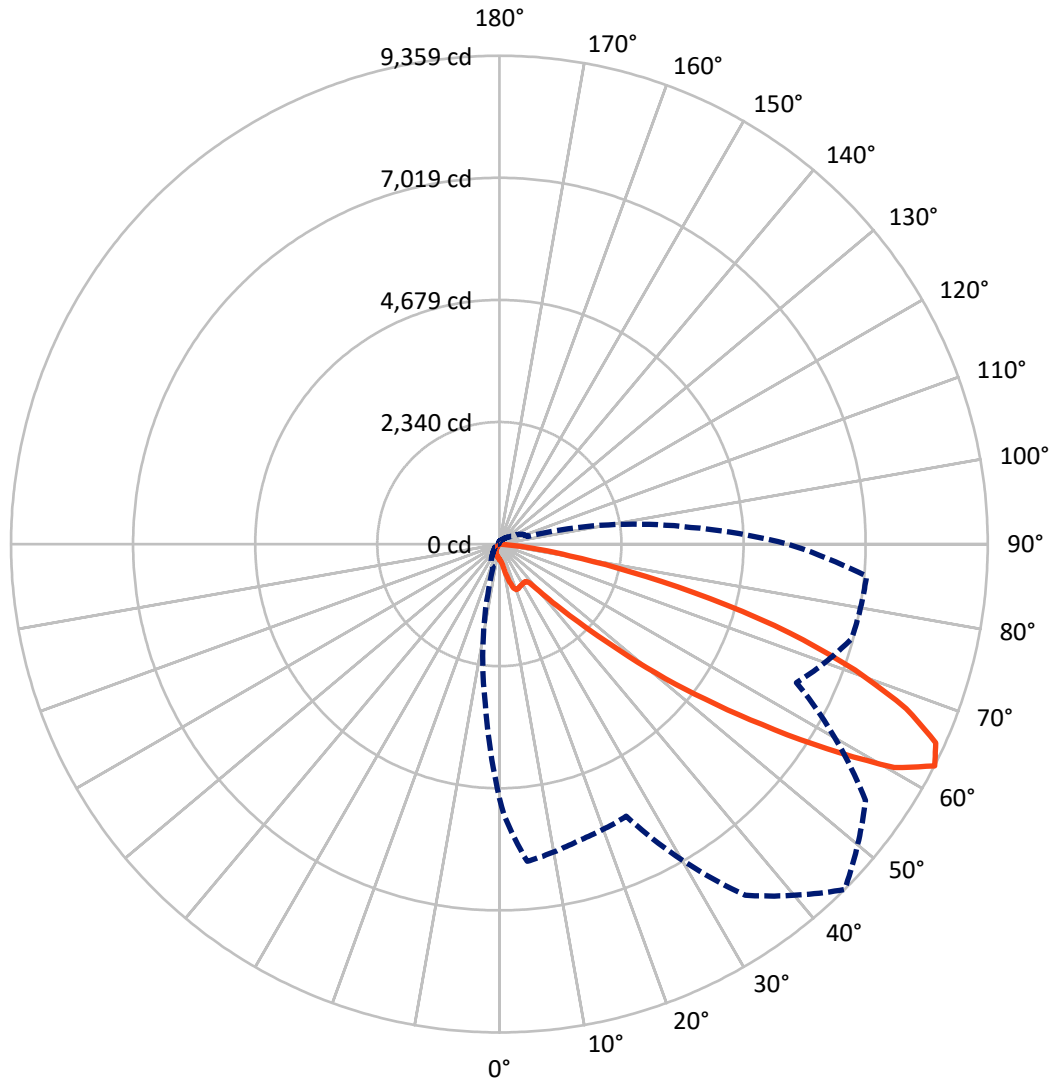
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 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	699.1	0.0	699.1
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	4966.0	0.0	4966.0
	% Fixture	87.7	0.0	87.7
Total	Lumens	5665.1	0.0	5665.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.1	0.5
10°-20°	98.8	1.7
20°-30°	214.7	3.8
30°-40°	352.4	6.2
40°-50°	647.8	11.4
50°-60°	1391.3	24.6
60°-70°	1868.7	33.0
70°-80°	973.0	17.2
80°-90°	92.3	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°	5665.1	100.0
0°-180°	5665.1	100.0

Coefficient of Utilization



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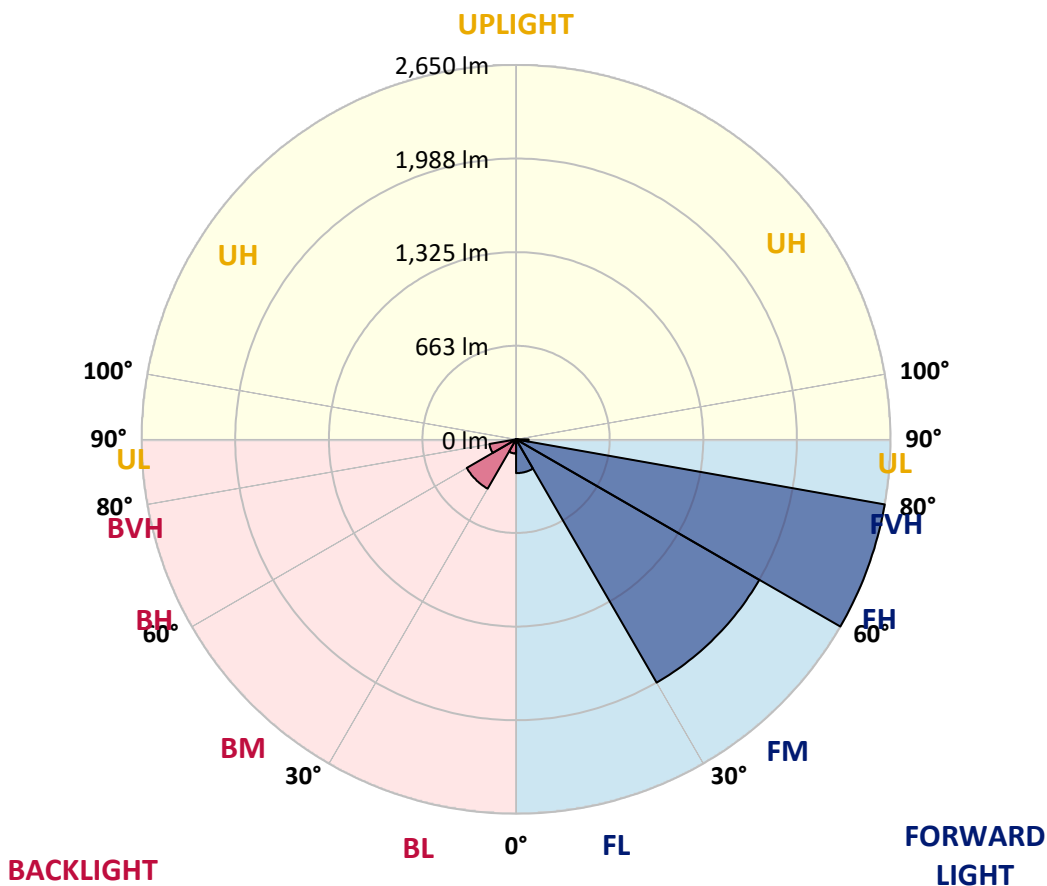
CATALOG NUMBER: GWS-SA2C-735-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.3	4.2			
FM (30°-60°)	1988.4	35.1			
FH (60°-80°)	2650.2	46.8			G2/5000
FVH (80°-90°)	88.1	1.6			G1/100
BL (0°-30°)	100.3	1.8	B0/110		
BM (30°-60°)	403.1	7.1	B1/1000		
BH (60°-80°)	191.5	3.4	B1/500		G1/500
BVH (80°-90°)	4.1	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°	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5
2.5°	300.4	301.7	303.0	307.6	310.8	313.4	314.1	312.1	307.6	303.0	296.4
5°	291.2	292.5	297.1	309.5	322.0	331.8	335.0	333.1	322.0	307.6	292.5
7.5°	290.5	293.2	304.3	330.5	357.3	377.6	382.8	378.2	357.3	328.5	297.7
10°	314.1	318.7	335.0	382.2	431.2	467.2	481.6	462.0	428.6	376.3	325.9
12.5°	375.6	383.5	414.9	483.6	559.5	607.3	626.9	602.7	550.3	474.4	394.6
15°	472.5	484.2	531.3	634.1	723.7	766.3	772.8	759.1	698.2	614.5	507.1
17.5°	609.2	626.2	699.5	804.2	869.0	884.1	882.1	867.7	823.2	765.6	664.2
20°	772.8	793.1	865.1	951.5	958.0	940.3	930.5	922.0	907.0	897.1	818.0
22.5°	937.7	962.6	1037.8	1059.4	1000.5	949.5	925.3	931.8	954.1	1002.5	970.4
25°	1102.0	1125.5	1196.2	1137.9	1020.2	935.1	904.3	920.0	973.0	1077.7	1119.0
27.5°	1293.7	1311.4	1353.2	1191.6	1023.4	923.3	893.2	917.4	982.2	1124.9	1281.9
30°	1493.3	1503.7	1483.5	1206.0	1012.3	905.6	882.1	917.4	997.9	1156.3	1404.3
32.5°	1639.9	1641.8	1575.7	1207.3	1006.4	891.3	871.6	913.5	1013.0	1182.4	1522.7
35°	1791.0	1781.2	1664.1	1226.9	1022.1	896.5	879.5	924.6	1036.5	1213.2	1626.8
37.5°	1944.1	1926.5	1762.9	1259.0	1062.7	953.4	942.9	981.6	1074.5	1255.7	1741.3
40°	2101.2	2077.0	1865.6	1307.4	1153.0	1147.1	1183.1	1178.5	1178.5	1310.0	1859.1
42.5°	2292.9	2264.8	2017.4	1444.2	1363.7	1495.2	1593.4	1532.5	1420.0	1435.0	2012.2
45°	2546.2	2521.9	2280.5	1705.9	1694.2	1996.5	2128.7	2008.3	1728.2	1723.6	2268.0
47.5°	2951.2	2946.6	2699.9	2009.6	2098.6	2634.5	2889.7	2658.1	2079.6	2029.2	2752.3
50°	3520.5	3506.8	3222.8	2365.5	2579.5	3425.0	3880.4	3494.3	2504.3	2385.8	3400.8
52.5°	4161.8	4176.2	3955.0	2754.2	3090.6	4304.4	4938.5	4452.3	2965.6	2839.3	4216.8
55°	4765.8	4848.2	4790.0	3209.0	3589.9	5275.5	6100.7	5503.3	3536.9	3432.8	5131.6
57.5°	5238.2	5470.5	5878.9	3869.9	4176.8	6411.5	7398.3	6642.5	4203.7	4396.7	6376.8
60°	5264.4	5572.0	6520.1	5252.6	4932.0	7385.9	8694.0	7755.6	5252.0	6033.3	7352.5
62.5°	4869.8	5199.6	6102.7	5880.8	5754.5	8215.0	9358.8	8567.0	6283.3	6991.9	7063.3
65°	4418.3	4751.4	5636.7	5168.2	5659.0	8179.6	9190.0	8586.0	6376.8	6340.2	6545.7
67.5°	3735.8	4034.8	4836.5	4574.7	5216.0	7785.0	8410.0	8044.8	5874.9	5929.9	6021.5
70°	2726.8	3014.7	3758.7	3771.8	4555.1	7073.7	7226.2	7175.8	5410.3	5468.6	5206.8
72.5°	1969.7	2212.4	2854.4	3093.2	3636.3	5931.9	5826.5	6020.9	4642.1	4870.5	4182.1
75°	1416.1	1598.0	2094.0	2690.8	2882.5	4405.2	4171.0	4663.0	3724.7	4193.9	3144.2
77.5°	574.5	638.7	823.9	1812.6	1894.4	2963.6	2553.4	3387.0	2655.4	2755.6	1524.0
80°	23.6	26.2	34.0	935.7	1298.9	1667.3	1366.3	1810.6	1753.7	1109.8	359.9
82.5°	2.6	2.6	5.9	269.6	568.6	920.0	643.9	1043.1	888.0	470.5	163.6
85°	0.7	0.7	1.3	30.8	133.5	147.2	87.0	320.0	412.9	192.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	5.9	6.5	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°	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5
2.5°	296.4	293.2	289.2	285.3	283.3	278.1	276.1	274.8	273.5	274.2	274.2
5°	286.6	279.4	270.9	262.4	257.8	252.6	250.0	248.7	249.3	251.9	251.9
7.5°	285.3	271.6	253.2	242.1	236.9	233.0	230.3	229.0	229.7	233.0	234.3
10°	306.9	282.7	250.0	231.0	225.1	221.2	218.6	216.6	215.3	217.9	218.6
12.5°	353.4	320.0	265.7	229.7	219.2	214.0	212.0	208.1	206.1	207.4	208.1
15°	449.6	392.0	297.1	234.9	214.0	208.1	204.8	201.5	198.3	197.6	198.3
17.5°	575.2	492.7	344.9	247.4	210.1	202.9	198.3	193.7	189.1	188.5	187.8
20°	730.9	616.4	411.6	267.0	206.8	198.3	191.7	185.2	179.3	177.3	177.3
22.5°	872.9	765.6	497.3	291.2	202.2	191.7	183.9	176.0	169.5	166.2	165.6
25°	1046.3	924.0	600.1	319.3	195.7	183.2	174.7	166.9	160.3	156.4	155.1
27.5°	1221.1	1090.8	716.5	356.0	187.8	174.7	166.9	159.7	152.5	147.9	146.6
30°	1390.5	1270.8	847.4	401.8	181.9	166.2	159.7	152.5	145.9	138.7	136.8
32.5°	1572.5	1454.7	994.0	452.8	177.3	160.3	153.1	146.6	138.1	131.5	128.3
35°	1747.8	1644.4	1155.6	502.6	172.8	155.1	147.2	140.7	131.5	124.3	119.7
37.5°	1924.5	1837.5	1324.4	532.7	166.2	147.9	140.7	135.5	125.0	116.5	111.2
40°	2111.7	2037.1	1507.0	520.2	160.3	140.0	136.1	130.2	118.4	108.6	102.1
42.5°	2317.1	2227.5	1692.9	472.5	155.1	133.5	129.6	123.7	112.6	100.8	92.3
45°	2575.6	2436.2	1845.3	400.5	157.7	126.9	119.1	117.8	107.3	92.3	81.8
47.5°	3019.9	2756.9	1963.8	354.0	175.4	119.7	110.6	113.9	102.7	83.8	72.0
50°	3699.8	3288.2	2074.4	350.7	202.2	116.5	102.7	111.2	98.2	75.3	63.5
52.5°	4347.6	3828.1	2145.0	379.5	225.8	125.0	94.9	108.0	94.9	69.4	57.6
55°	4967.3	4139.5	2018.7	400.5	248.0	150.5	89.0	102.7	91.0	66.1	55.6
57.5°	5635.4	4278.3	1589.5	443.0	263.7	172.1	90.3	94.9	85.7	64.1	55.0
60°	5835.0	4100.9	959.3	498.6	255.2	178.6	100.1	84.4	78.5	60.2	53.0
62.5°	5524.8	3680.2	566.0	454.1	248.0	168.8	114.5	77.9	71.3	55.0	49.1
65°	5060.9	3108.9	369.1	383.5	263.1	150.5	121.7	74.6	64.8	49.7	43.2
67.5°	4530.9	2504.3	258.5	226.4	242.8	135.5	102.7	73.9	58.2	41.9	35.3
70°	3816.3	1875.4	181.9	149.9	202.2	120.4	79.8	72.0	51.0	34.0	27.5
72.5°	2948.6	1173.9	135.5	96.8	144.0	98.2	63.5	60.9	41.2	28.1	20.9
75°	2174.5	669.4	95.5	70.0	94.9	74.6	47.1	43.2	35.3	26.8	19.0
77.5°	1135.3	335.0	59.5	53.7	54.3	46.5	34.0	31.4	32.7	26.8	17.7
80°	217.9	66.7	36.0	39.3	29.4	29.4	24.9	26.2	28.8	21.6	15.1
82.5°	91.0	14.4	19.6	22.2	18.3	20.3	20.3	20.9	20.3	15.7	11.1
85°	0.0	0.0	8.5	9.2	12.4	12.4	10.5	10.5	10.5	9.2	6.5
87.5°	0.0	0.0	0.0	0.0	0.7	2.0	3.9	4.6	5.2	3.9	2.6
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°	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5
2.5°	273.5	272.2	274.2	275.5	276.8	276.8	275.5	274.2	272.2	274.2	272.2
5°	252.6	254.6	257.8	259.1	260.4	257.8	256.5	252.6	249.3	250.0	248.7
7.5°	236.2	238.2	242.1	244.7	244.7	243.4	239.5	235.6	230.3	230.3	229.7
10°	221.2	223.8	228.4	231.6	233.0	231.6	227.7	222.5	217.9	217.9	215.9
12.5°	208.7	212.0	217.3	221.8	223.1	221.8	217.9	212.7	207.4	207.4	206.1
15°	198.3	202.2	208.1	213.3	215.3	213.3	208.7	202.2	197.0	197.6	195.7
17.5°	188.5	191.7	199.6	205.5	207.4	205.5	199.6	191.1	185.8	187.1	185.8
20°	177.3	181.3	189.1	195.7	197.6	195.7	189.1	180.0	174.7	174.7	175.4
22.5°	165.6	169.5	177.3	181.9	184.5	182.6	176.0	167.5	162.3	162.3	162.9
25°	155.1	157.0	162.9	167.5	168.2	166.2	161.0	154.4	150.5	152.5	153.1
27.5°	145.3	145.3	147.9	150.5	149.9	147.9	145.9	140.7	140.0	142.0	144.0
30°	134.8	131.5	130.2	128.3	127.6	126.9	128.9	128.9	130.2	132.8	134.8
32.5°	125.6	119.1	113.2	107.3	104.0	106.7	111.9	116.5	121.1	125.0	126.9
35°	115.2	104.7	94.9	87.0	81.8	85.7	94.2	102.7	110.6	115.8	119.1
37.5°	104.7	89.6	77.9	68.1	64.1	67.4	76.6	88.3	100.1	106.7	111.2
40°	93.6	74.6	60.9	53.0	49.1	52.3	61.5	73.3	89.0	97.5	103.4
42.5°	82.5	61.5	49.1	41.2	39.3	41.2	48.4	60.2	77.2	87.7	95.5
45°	71.3	51.0	39.3	33.4	31.4	33.4	39.3	49.1	66.1	77.9	87.0
47.5°	61.5	43.2	32.7	27.5	26.2	28.1	32.7	41.2	55.6	67.4	77.9
50°	53.7	38.0	28.1	23.6	22.2	24.2	28.1	34.7	47.1	57.6	68.7
52.5°	48.4	35.3	24.9	20.3	19.6	20.9	24.2	29.4	39.9	49.1	59.5
55°	47.1	35.3	22.9	18.3	17.7	19.0	21.6	25.5	34.7	42.5	51.7
57.5°	48.4	38.0	21.6	15.7	15.1	16.4	19.0	22.2	30.1	36.6	45.2
60°	48.4	38.6	19.0	12.4	11.8	13.1	15.7	19.6	26.8	32.1	39.3
62.5°	43.8	35.3	15.7	9.8	8.5	9.8	13.1	16.4	23.6	28.8	34.7
65°	38.0	30.1	13.1	7.2	5.9	7.2	10.5	13.7	20.3	24.9	31.4
67.5°	30.8	22.9	9.8	5.2	3.9	5.2	7.9	11.1	17.0	21.6	28.1
70°	22.9	16.4	7.9	4.6	3.9	4.6	7.2	10.5	15.1	19.6	26.2
72.5°	17.0	11.1	6.5	4.6	3.3	4.6	6.5	9.8	14.4	19.0	24.9
75°	14.4	9.2	5.9	3.9	3.3	3.9	5.9	9.2	13.1	17.7	23.6
77.5°	13.7	8.5	5.2	3.3	2.6	3.3	5.2	7.9	11.8	16.4	22.9
80°	11.8	7.2	4.6	2.6	2.0	2.6	4.6	6.5	9.2	12.4	17.7
82.5°	9.2	5.9	3.3	1.3	0.7	1.3	3.3	3.9	5.9	7.2	10.5
85°	5.9	3.3	1.3	0.0	0.0	0.0	1.3	2.6	2.6	3.3	5.2
87.5°	2.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.5
2.5°	276.1	276.8	278.1	280.1	284.7	288.6	292.5	297.7	300.4	300.4
5°	250.0	250.6	251.3	253.9	260.4	265.7	274.2	284.7	289.9	291.2
7.5°	229.7	231.0	232.3	234.3	240.8	248.0	259.1	278.8	288.6	290.5
10°	217.9	219.9	222.5	226.4	232.3	240.2	259.1	294.5	310.8	314.1
12.5°	208.7	212.0	214.6	219.2	226.4	238.8	276.8	339.0	367.8	375.6
15°	199.6	203.5	207.4	212.0	219.9	243.4	310.8	418.8	466.6	472.5
17.5°	190.4	195.0	200.2	205.5	215.3	254.6	364.5	529.4	596.1	609.2
20°	180.0	185.8	193.0	199.6	210.7	272.2	439.1	660.9	744.7	772.8
22.5°	168.8	176.0	184.5	193.0	205.5	293.8	529.4	802.3	919.4	937.7
25°	159.7	166.9	174.7	183.2	197.0	320.0	638.7	977.6	1084.3	1102.0
27.5°	151.2	158.4	165.6	173.4	188.5	354.0	770.2	1164.1	1275.4	1293.7
30°	142.0	150.5	157.7	165.6	180.6	395.9	922.0	1370.9	1476.3	1493.3
32.5°	134.1	142.7	149.9	157.7	174.7	441.7	1081.7	1554.1	1639.9	1639.9
35°	127.6	136.8	142.0	152.5	170.1	471.1	1232.8	1728.8	1793.6	1791.0
37.5°	120.4	131.5	135.5	142.7	164.2	474.4	1374.8	1913.4	1961.1	1944.1
40°	113.2	125.0	130.9	134.8	157.7	447.6	1530.6	2082.9	2123.4	2101.2
42.5°	106.7	115.8	124.3	128.9	153.8	400.5	1655.6	2264.1	2312.5	2292.9
45°	100.1	108.0	113.2	121.7	156.4	367.8	1762.9	2475.5	2560.6	2546.2
47.5°	93.6	100.1	103.4	116.5	174.1	352.7	1828.3	2802.7	2963.0	2951.2
50°	86.4	94.2	94.2	115.2	200.2	357.9	1885.2	3276.4	3524.4	3520.5
52.5°	79.2	87.7	86.4	125.0	220.5	382.2	1950.0	3694.6	4125.8	4161.8
55°	72.0	79.8	81.1	144.6	232.3	403.1	1699.4	3870.6	4639.5	4765.8
57.5°	64.1	68.7	84.4	159.7	228.4	463.9	1164.1	3902.7	4967.3	5238.2
60°	55.6	59.5	95.5	156.4	215.9	428.6	732.9	3614.7	4920.9	5264.4
62.5°	48.4	55.0	100.8	138.1	219.9	371.7	467.2	3080.8	4477.9	4869.8
65°	42.5	53.0	91.6	125.0	222.5	251.9	315.4	2506.2	4045.3	4418.3
67.5°	38.0	58.9	75.3	111.2	191.1	177.3	216.6	1947.4	3401.4	3735.8
70°	34.7	60.2	61.5	95.5	147.9	113.9	142.7	1310.7	2344.6	2726.8
72.5°	31.4	44.5	46.5	76.6	95.5	69.4	92.3	749.9	1709.2	1969.7
75°	30.1	30.1	32.1	49.7	53.0	50.4	59.5	447.6	1225.6	1416.1
77.5°	28.1	22.9	20.3	32.1	28.8	36.0	35.3	198.9	531.3	574.5
80°	22.2	16.4	13.7	20.3	19.6	24.2	20.9	16.4	24.2	23.6
82.5°	13.7	10.5	9.8	12.4	11.1	12.4	9.8	2.6	2.6	2.6
85°	6.5	5.9	5.2	5.2	5.9	5.2	3.9	1.3	0.7	0.7
87.5°	3.3	3.3	2.6	2.0	2.6	2.6	2.0	0.7	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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