

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: P634250

Luminaire Tested: GWS-SA3B-735-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634250
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-SA3B-735-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6366.6 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

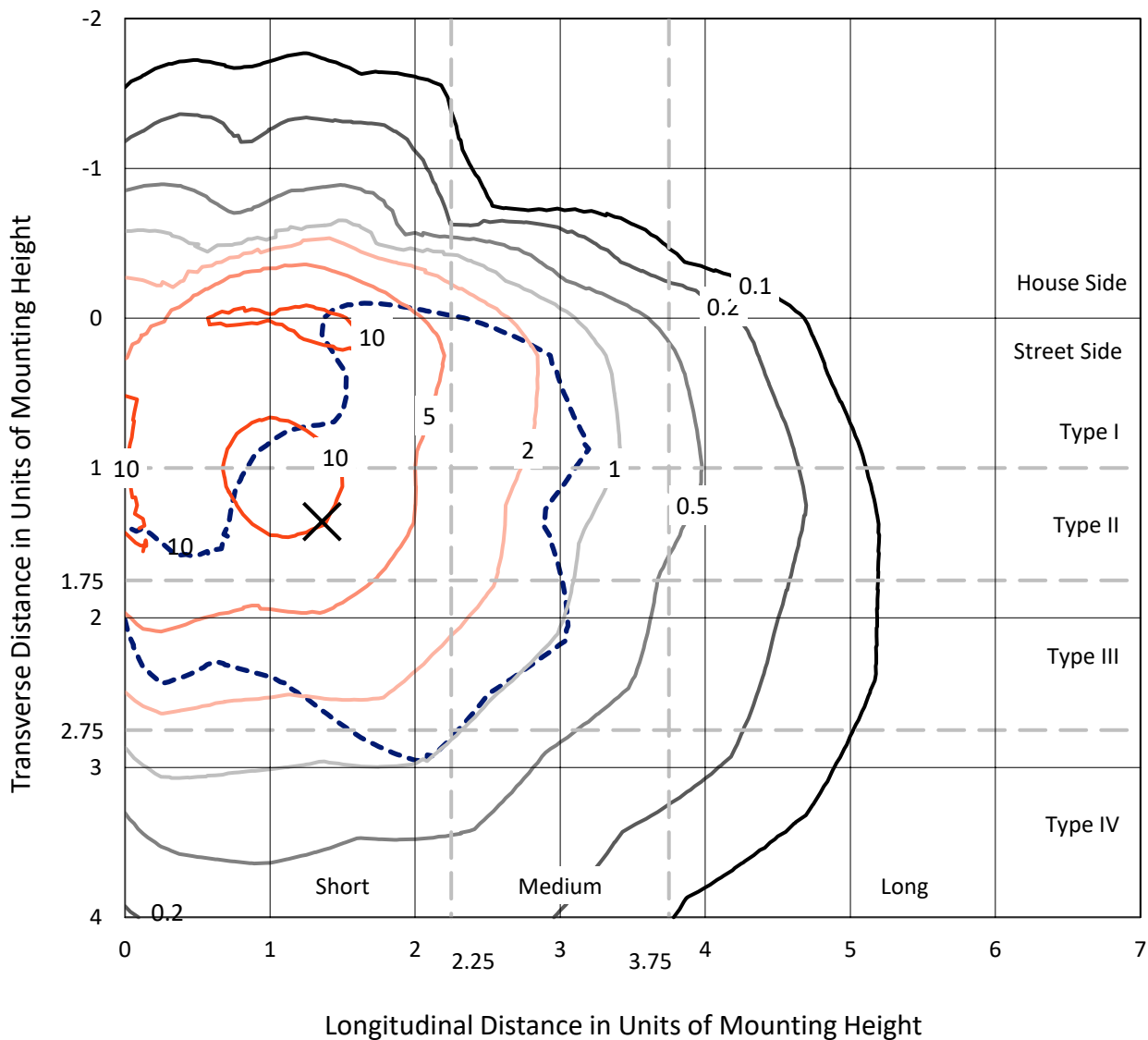
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

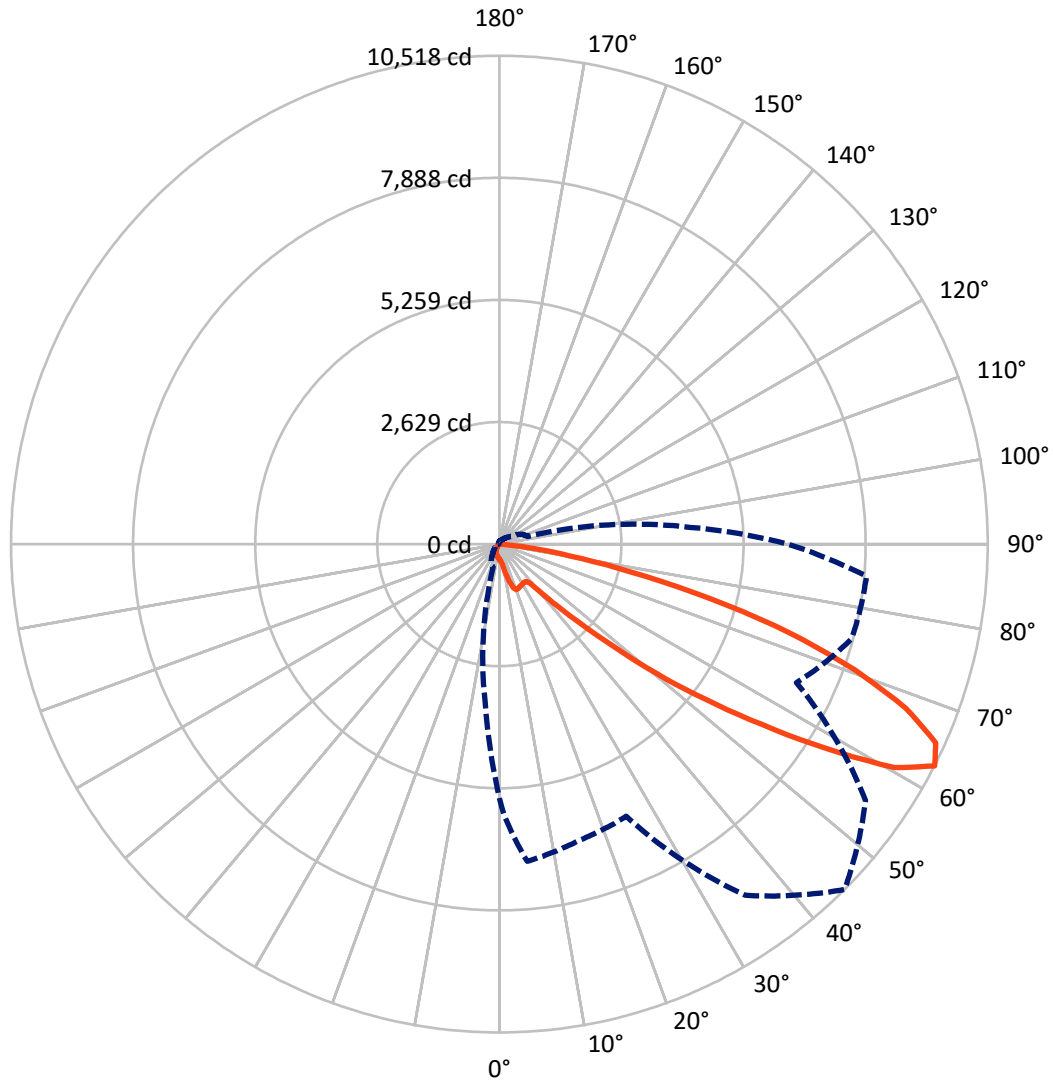
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 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	785.6	0.0	785.6
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	5581.0	0.0	5581.0
	% Fixture	87.7	0.0	87.7
Total	Lumens	6366.6	0.0	6366.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	0.5
10°-20°	111.0	1.7
20°-30°	241.3	3.8
30°-40°	396.0	6.2
40°-50°	728.1	11.4
50°-60°	1563.5	24.6
60°-70°	2100.1	33.0
70°-80°	1093.5	17.2
80°-90°	103.7	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°	6366.6	100.0
0°-180°	6366.6	100.0

Coefficient of Utilization



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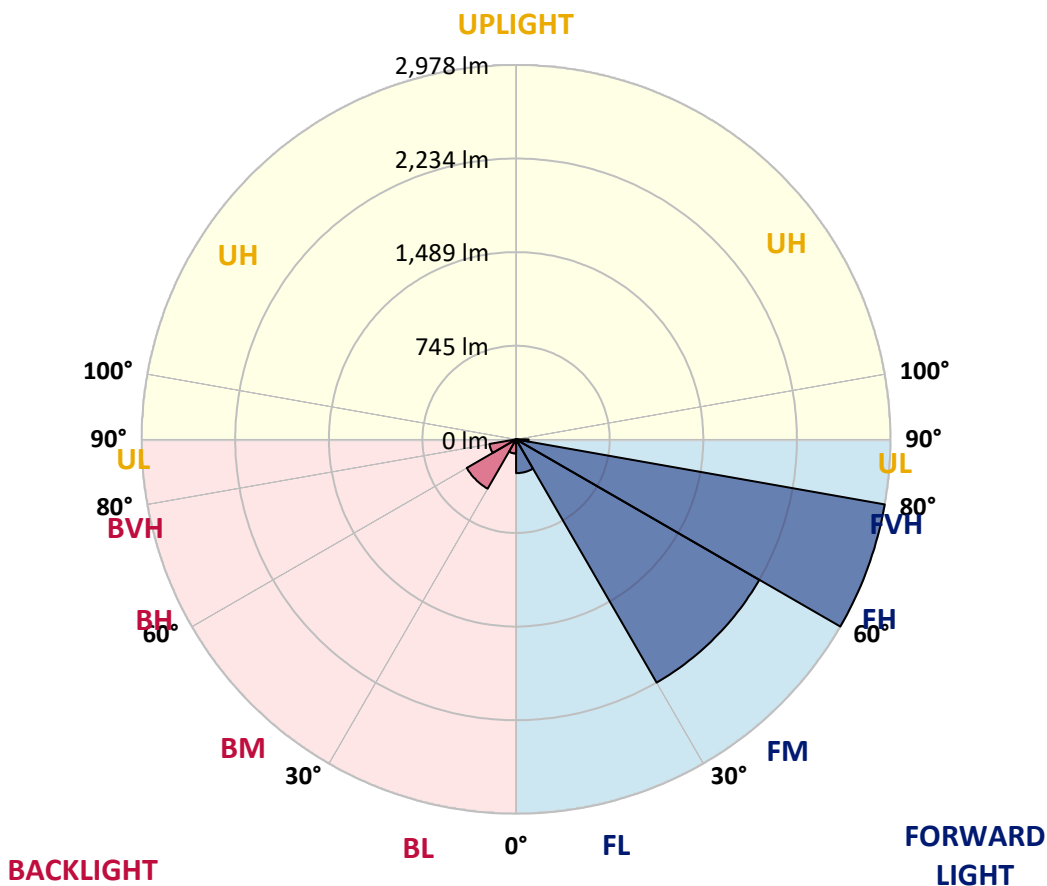
CATALOG NUMBER: GWS-SA3B-735-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.0	4.2			
FM (30°-60°)	2234.6	35.1			
FH (60°-80°)	2978.3	46.8			G2/5000
FVH (80°-90°)	99.1	1.6			G1/100
BL (0°-30°)	112.7	1.8	B1/500		
BM (30°-60°)	453.0	7.1	B1/1000		
BH (60°-80°)	215.3	3.4	B1/500		G1/500
BVH (80°-90°)	4.6	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°	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9
2.5°	337.5	339.0	340.5	345.6	349.3	352.3	353.0	350.8	345.6	340.5	333.1
5°	327.3	328.7	333.9	347.8	361.8	372.8	376.5	374.3	361.8	345.6	328.7
7.5°	326.5	329.5	342.0	371.4	401.5	424.3	430.2	425.1	401.5	369.2	334.6
10°	353.0	358.1	376.5	429.5	484.6	525.1	541.3	519.2	481.7	422.9	366.2
12.5°	422.1	430.9	466.2	543.5	628.8	682.5	704.5	677.3	618.5	533.2	443.4
15°	531.0	544.2	597.1	712.6	813.4	861.2	868.5	853.1	784.7	690.5	569.9
17.5°	684.7	703.8	786.1	903.8	976.6	993.5	991.3	975.1	925.1	860.4	746.4
20°	868.5	891.3	972.2	1069.3	1076.6	1056.8	1045.7	1036.2	1019.3	1008.2	919.2
22.5°	1053.8	1081.8	1166.3	1190.6	1124.4	1067.1	1039.9	1047.2	1072.2	1126.6	1090.6
25°	1238.4	1264.9	1344.3	1278.9	1146.5	1050.9	1016.3	1034.0	1093.5	1211.2	1257.5
27.5°	1453.9	1473.7	1520.8	1339.2	1150.2	1037.6	1003.8	1031.0	1103.8	1264.2	1440.6
30°	1678.2	1689.9	1667.2	1355.3	1137.7	1017.8	991.3	1031.0	1121.5	1299.5	1578.2
32.5°	1842.9	1845.1	1770.8	1356.8	1131.0	1001.6	979.6	1026.6	1138.4	1328.9	1711.3
35°	2012.8	2001.8	1870.1	1378.9	1148.7	1007.5	988.4	1039.1	1164.9	1363.4	1828.2
37.5°	2184.9	2165.0	1981.2	1414.9	1194.3	1071.5	1059.7	1103.1	1207.5	1411.2	1956.9
40°	2361.4	2334.2	2096.6	1469.3	1295.8	1289.2	1329.6	1324.5	1324.5	1472.3	2089.3
42.5°	2576.8	2545.2	2267.2	1623.0	1532.6	1680.4	1790.7	1722.3	1595.8	1612.7	2261.4
45°	2861.4	2834.2	2562.9	1917.2	1904.0	2243.7	2392.3	2256.9	1942.2	1937.0	2548.9
47.5°	3316.7	3311.5	3034.3	2258.4	2358.4	2960.7	3247.5	2987.2	2337.1	2280.5	3093.1
50°	3956.5	3941.0	3621.8	2658.5	2898.9	3849.1	4360.9	3927.0	2814.4	2681.3	3821.9
52.5°	4677.1	4693.3	4444.8	3095.3	3473.3	4837.5	5550.1	5003.7	3332.8	3190.9	4738.9
55°	5355.9	5448.6	5383.1	3606.4	4034.4	5928.8	6856.1	6184.7	3974.8	3857.9	5767.0
57.5°	5886.9	6147.9	6606.8	4349.2	4694.1	7205.4	8314.4	7465.0	4724.2	4941.2	7166.5
60°	5916.3	6261.9	7327.5	5903.1	5542.7	8300.5	9770.5	8716.0	5902.3	6780.4	8263.0
62.5°	5472.8	5843.5	6858.3	6609.0	6467.1	9232.2	10517.7	9627.9	7061.3	7857.7	7937.9
65°	4965.4	5339.7	6334.7	5808.2	6359.7	9192.5	10328.0	9649.2	7166.5	7125.3	7356.2
67.5°	4198.4	4534.5	5435.3	5141.2	5861.9	8749.1	9451.4	9041.0	6602.4	6664.2	6767.1
70°	3064.4	3388.0	4224.1	4238.8	5119.1	7949.7	8121.0	8064.4	6080.3	6145.7	5851.6
72.5°	2213.6	2486.4	3207.8	3476.2	4086.6	6666.4	6548.0	6766.4	5216.9	5473.6	4699.9
75°	1591.4	1795.8	2353.3	3024.0	3239.4	4950.7	4687.4	5240.5	4185.9	4713.2	3533.6
77.5°	645.7	717.8	925.9	2037.1	2129.0	3330.6	2869.5	3806.4	2984.3	3096.8	1712.7
80°	26.5	29.4	38.2	1051.6	1459.8	1873.8	1535.5	2034.9	1970.9	1247.2	404.5
82.5°	2.9	2.9	6.6	303.0	639.1	1034.0	723.6	1172.2	997.9	528.8	183.8
85°	0.7	0.7	1.5	34.6	150.0	165.5	97.8	359.6	464.0	216.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	6.6	7.4	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°	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9
2.5°	333.1	329.5	325.0	320.6	318.4	312.5	310.3	308.9	307.4	308.1	308.1
5°	322.1	314.0	304.5	294.9	289.7	283.9	280.9	279.5	280.2	283.1	283.1
7.5°	320.6	305.2	284.6	272.1	266.2	261.8	258.9	257.4	258.1	261.8	263.3
10°	344.9	317.7	280.9	259.6	253.0	248.6	245.6	243.4	241.9	244.9	245.6
12.5°	397.1	359.6	298.6	258.1	246.4	240.5	238.3	233.9	231.7	233.1	233.9
15°	505.2	440.5	333.9	264.0	240.5	233.9	230.2	226.5	222.8	222.1	222.8
17.5°	646.4	553.8	387.6	278.0	236.1	228.0	222.8	217.7	212.5	211.8	211.1
20°	821.4	692.7	462.6	300.0	232.4	222.8	215.5	208.1	201.5	199.3	199.3
22.5°	981.0	860.4	558.9	327.3	227.2	215.5	206.6	197.8	190.5	186.8	186.1
25°	1175.9	1038.4	674.4	358.9	219.9	205.9	196.4	187.5	180.2	175.8	174.3
27.5°	1372.3	1225.9	805.3	400.1	211.1	196.4	187.5	179.4	171.3	166.2	164.7
30°	1562.7	1428.1	952.3	451.5	204.4	186.8	179.4	171.3	164.0	155.9	153.7
32.5°	1767.2	1634.8	1117.1	508.9	199.3	180.2	172.1	164.7	155.2	147.8	144.1
35°	1964.3	1848.1	1298.7	564.8	194.1	174.3	165.5	158.1	147.8	139.7	134.6
37.5°	2162.8	2065.0	1488.4	598.6	186.8	166.2	158.1	152.2	140.5	130.9	125.0
40°	2373.1	2289.3	1693.6	584.6	180.2	157.4	153.0	146.3	133.1	122.1	114.7
42.5°	2604.1	2503.3	1902.5	531.0	174.3	150.0	145.6	139.0	126.5	113.3	103.7
45°	2894.5	2737.9	2073.8	450.1	177.2	142.7	133.8	132.4	120.6	103.7	91.9
47.5°	3393.9	3098.2	2206.9	397.9	197.1	134.6	124.3	128.0	115.5	94.1	80.9
50°	4158.0	3695.4	2331.2	394.2	227.2	130.9	115.5	125.0	110.3	84.6	71.3
52.5°	4886.0	4302.1	2410.6	426.5	253.7	140.5	106.6	121.3	106.6	78.0	64.7
55°	5582.4	4652.1	2268.7	450.1	278.7	169.1	100.0	115.5	102.2	74.3	62.5
57.5°	6333.3	4808.0	1786.3	497.9	296.4	193.4	101.5	106.6	96.3	72.1	61.8
60°	6557.6	4608.8	1078.1	560.4	286.8	200.8	112.5	94.9	88.2	67.7	59.6
62.5°	6209.0	4135.9	636.1	510.4	278.7	189.7	128.7	87.5	80.2	61.8	55.2
65°	5687.6	3493.9	414.8	430.9	295.6	169.1	136.8	83.8	72.8	55.9	48.5
67.5°	5091.9	2814.4	290.5	254.4	272.8	152.2	115.5	83.1	65.5	47.1	39.7
70°	4288.9	2107.7	204.4	168.4	227.2	135.3	89.7	80.9	57.4	38.2	30.9
72.5°	3313.7	1319.3	152.2	108.8	161.8	110.3	71.3	68.4	46.3	31.6	23.5
75°	2443.7	752.3	107.4	78.7	106.6	83.8	52.9	48.5	39.7	30.2	21.3
77.5°	1275.9	376.5	66.9	60.3	61.0	52.2	38.2	35.3	36.8	30.2	19.9
80°	244.9	75.0	40.4	44.1	33.1	33.1	27.9	29.4	32.4	24.3	16.9
82.5°	102.2	16.2	22.1	25.0	20.6	22.8	22.8	23.5	22.8	17.6	12.5
85°	0.0	0.0	9.6	10.3	14.0	14.0	11.8	11.8	11.8	10.3	7.4
87.5°	0.0	0.0	0.0	0.0	0.7	2.2	4.4	5.1	5.9	4.4	2.9
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°	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9
2.5°	307.4	305.9	308.1	309.6	311.1	311.1	309.6	308.1	305.9	308.1	305.9
5°	283.9	286.1	289.7	291.2	292.7	289.7	288.3	283.9	280.2	280.9	279.5
7.5°	265.5	267.7	272.1	275.0	275.0	273.6	269.2	264.7	258.9	258.9	258.1
10°	248.6	251.5	256.7	260.3	261.8	260.3	255.9	250.0	244.9	244.9	242.7
12.5°	234.6	238.3	244.2	249.3	250.8	249.3	244.9	239.0	233.1	233.1	231.7
15°	222.8	227.2	233.9	239.7	241.9	239.7	234.6	227.2	221.4	222.1	219.9
17.5°	211.8	215.5	224.3	230.9	233.1	230.9	224.3	214.7	208.9	210.3	208.9
20°	199.3	203.7	212.5	219.9	222.1	219.9	212.5	202.2	196.4	196.4	197.1
22.5°	186.1	190.5	199.3	204.4	207.4	205.2	197.8	188.3	182.4	182.4	183.1
25°	174.3	176.5	183.1	188.3	189.0	186.8	180.9	173.6	169.1	171.3	172.1
27.5°	163.3	163.3	166.2	169.1	168.4	166.2	164.0	158.1	157.4	159.6	161.8
30°	151.5	147.8	146.3	144.1	143.4	142.7	144.9	144.9	146.3	149.3	151.5
32.5°	141.2	133.8	127.2	120.6	116.9	119.9	125.8	130.9	136.0	140.5	142.7
35°	129.4	117.7	106.6	97.8	91.9	96.3	105.9	115.5	124.3	130.2	133.8
37.5°	117.7	100.7	87.5	76.5	72.1	75.7	86.0	99.3	112.5	119.9	125.0
40°	105.2	83.8	68.4	59.6	55.2	58.8	69.1	82.4	100.0	109.6	116.2
42.5°	92.7	69.1	55.2	46.3	44.1	46.3	54.4	67.7	86.8	98.5	107.4
45°	80.2	57.4	44.1	37.5	35.3	37.5	44.1	55.2	74.3	87.5	97.8
47.5°	69.1	48.5	36.8	30.9	29.4	31.6	36.8	46.3	62.5	75.7	87.5
50°	60.3	42.7	31.6	26.5	25.0	27.2	31.6	39.0	52.9	64.7	77.2
52.5°	54.4	39.7	27.9	22.8	22.1	23.5	27.2	33.1	44.9	55.2	66.9
55°	52.9	39.7	25.7	20.6	19.9	21.3	24.3	28.7	39.0	47.8	58.1
57.5°	54.4	42.7	24.3	17.6	16.9	18.4	21.3	25.0	33.8	41.2	50.7
60°	54.4	43.4	21.3	14.0	13.2	14.7	17.6	22.1	30.2	36.0	44.1
62.5°	49.3	39.7	17.6	11.0	9.6	11.0	14.7	18.4	26.5	32.4	39.0
65°	42.7	33.8	14.7	8.1	6.6	8.1	11.8	15.4	22.8	27.9	35.3
67.5°	34.6	25.7	11.0	5.9	4.4	5.9	8.8	12.5	19.1	24.3	31.6
70°	25.7	18.4	8.8	5.1	4.4	5.1	8.1	11.8	16.9	22.1	29.4
72.5°	19.1	12.5	7.4	5.1	3.7	5.1	7.4	11.0	16.2	21.3	27.9
75°	16.2	10.3	6.6	4.4	3.7	4.4	6.6	10.3	14.7	19.9	26.5
77.5°	15.4	9.6	5.9	3.7	2.9	3.7	5.9	8.8	13.2	18.4	25.7
80°	13.2	8.1	5.1	2.9	2.2	2.9	5.1	7.4	10.3	14.0	19.9
82.5°	10.3	6.6	3.7	1.5	0.7	1.5	3.7	4.4	6.6	8.1	11.8
85°	6.6	3.7	1.5	0.0	0.0	0.0	1.5	2.9	2.9	3.7	5.9
87.5°	2.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9
2.5°	310.3	311.1	312.5	314.8	319.9	324.3	328.7	334.6	337.5	337.5
5°	280.9	281.7	282.4	285.3	292.7	298.6	308.1	319.9	325.8	327.3
7.5°	258.1	259.6	261.1	263.3	270.6	278.7	291.2	313.3	324.3	326.5
10°	244.9	247.1	250.0	254.4	261.1	269.9	291.2	330.9	349.3	353.0
12.5°	234.6	238.3	241.2	246.4	254.4	268.4	311.1	380.9	413.3	422.1
15°	224.3	228.7	233.1	238.3	247.1	273.6	349.3	470.7	524.3	531.0
17.5°	214.0	219.1	225.0	230.9	241.9	286.1	409.6	594.9	669.9	684.7
20°	202.2	208.9	216.9	224.3	236.8	305.9	493.5	742.8	836.9	868.5
22.5°	189.7	197.8	207.4	216.9	230.9	330.2	594.9	901.6	1033.2	1053.8
25°	179.4	187.5	196.4	205.9	221.4	359.6	717.8	1098.7	1218.6	1238.4
27.5°	169.9	178.0	186.1	194.9	211.8	397.9	865.6	1308.3	1433.3	1453.9
30°	159.6	169.1	177.2	186.1	203.0	444.9	1036.2	1540.7	1659.1	1678.2
32.5°	150.8	160.3	168.4	177.2	196.4	496.4	1215.6	1746.6	1842.9	1842.9
35°	143.4	153.7	159.6	171.3	191.2	529.5	1385.5	1942.9	2015.7	2012.8
37.5°	135.3	147.8	152.2	160.3	184.6	533.2	1545.1	2150.3	2204.0	2184.9
40°	127.2	140.5	147.1	151.5	177.2	503.0	1720.1	2340.8	2386.4	2361.4
42.5°	119.9	130.2	139.7	144.9	172.8	450.1	1860.6	2544.5	2598.9	2576.8
45°	112.5	121.3	127.2	136.8	175.8	413.3	1981.2	2782.0	2877.6	2861.4
47.5°	105.2	112.5	116.2	130.9	195.6	396.4	2054.7	3149.7	3329.9	3316.7
50°	97.1	105.9	105.9	129.4	225.0	402.3	2118.7	3682.1	3960.9	3956.5
52.5°	89.0	98.5	97.1	140.5	247.8	429.5	2191.5	4152.1	4636.7	4677.1
55°	80.9	89.7	91.2	162.5	261.1	453.0	1909.8	4349.9	5214.0	5355.9
57.5°	72.1	77.2	94.9	179.4	256.7	521.4	1308.3	4385.9	5582.4	5886.9
60°	62.5	66.9	107.4	175.8	242.7	481.7	823.6	4062.3	5530.2	5916.3
62.5°	54.4	61.8	113.3	155.2	247.1	417.7	525.1	3462.3	5032.3	5472.8
65°	47.8	59.6	103.0	140.5	250.0	283.1	354.5	2816.6	4546.2	4965.4
67.5°	42.7	66.2	84.6	125.0	214.7	199.3	243.4	2188.5	3822.6	4198.4
70°	39.0	67.7	69.1	107.4	166.2	128.0	160.3	1473.0	2634.9	3064.4
72.5°	35.3	50.0	52.2	86.0	107.4	78.0	103.7	842.8	1920.9	2213.6
75°	33.8	33.8	36.0	55.9	59.6	56.6	66.9	503.0	1377.4	1591.4
77.5°	31.6	25.7	22.8	36.0	32.4	40.4	39.7	223.6	597.1	645.7
80°	25.0	18.4	15.4	22.8	22.1	27.2	23.5	18.4	27.2	26.5
82.5°	15.4	11.8	11.0	14.0	12.5	14.0	11.0	2.9	2.9	2.9
85°	7.4	6.6	5.9	5.9	6.6	5.9	4.4	1.5	0.7	0.7
87.5°	3.7	3.7	2.9	2.2	2.9	2.9	2.2	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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