

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: P642170

Luminaire Tested: GWS-SA6C-735-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642170
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-SA6C-735-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17380.1 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

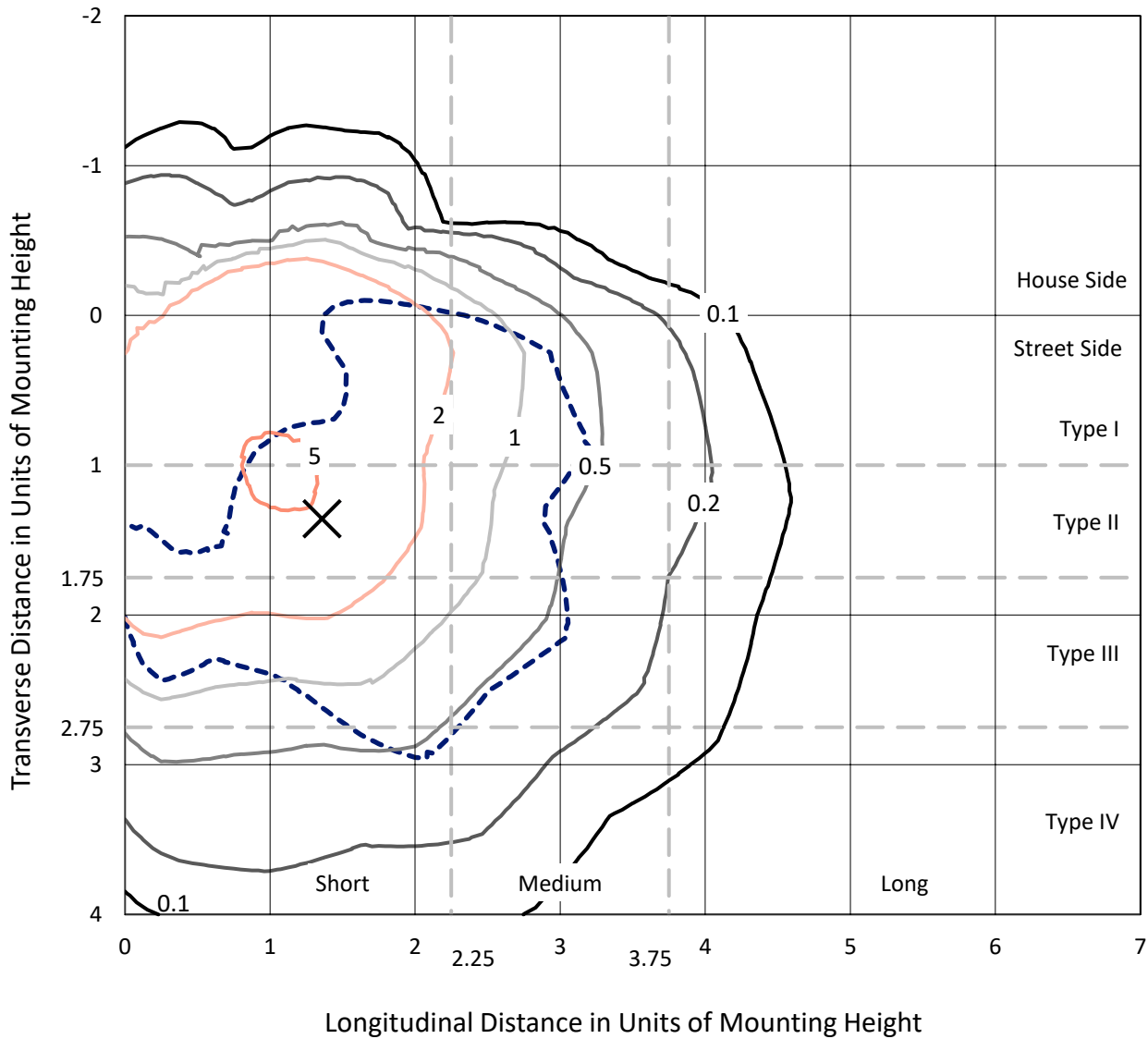
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

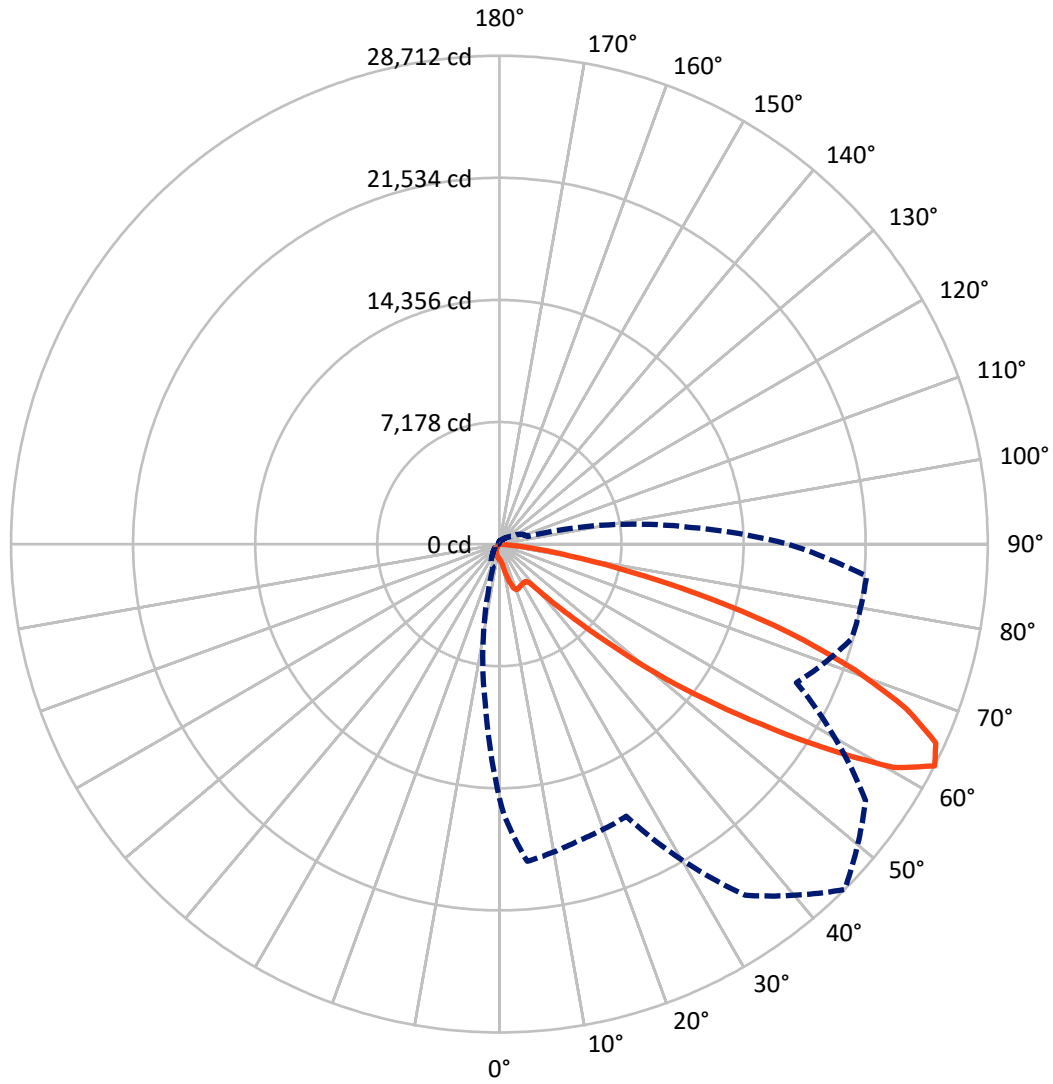
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	2144.7	0.0	2144.7
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	15235.4	0.0	15235.4
	% Fixture	87.7	0.0	87.7
Total	Lumens	17380.1	0.0	17380.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	0.5
10°-20°	303.0	1.7
20°-30°	658.7	3.8
30°-40°	1081.1	6.2
40°-50°	1987.5	11.4
50°-60°	4268.3	24.6
60°-70°	5733.0	33.0
70°-80°	2985.2	17.2
80°-90°	283.0	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°	17380.1	100.0
0°-180°	17380.1	100.0

Coefficient of Utilization

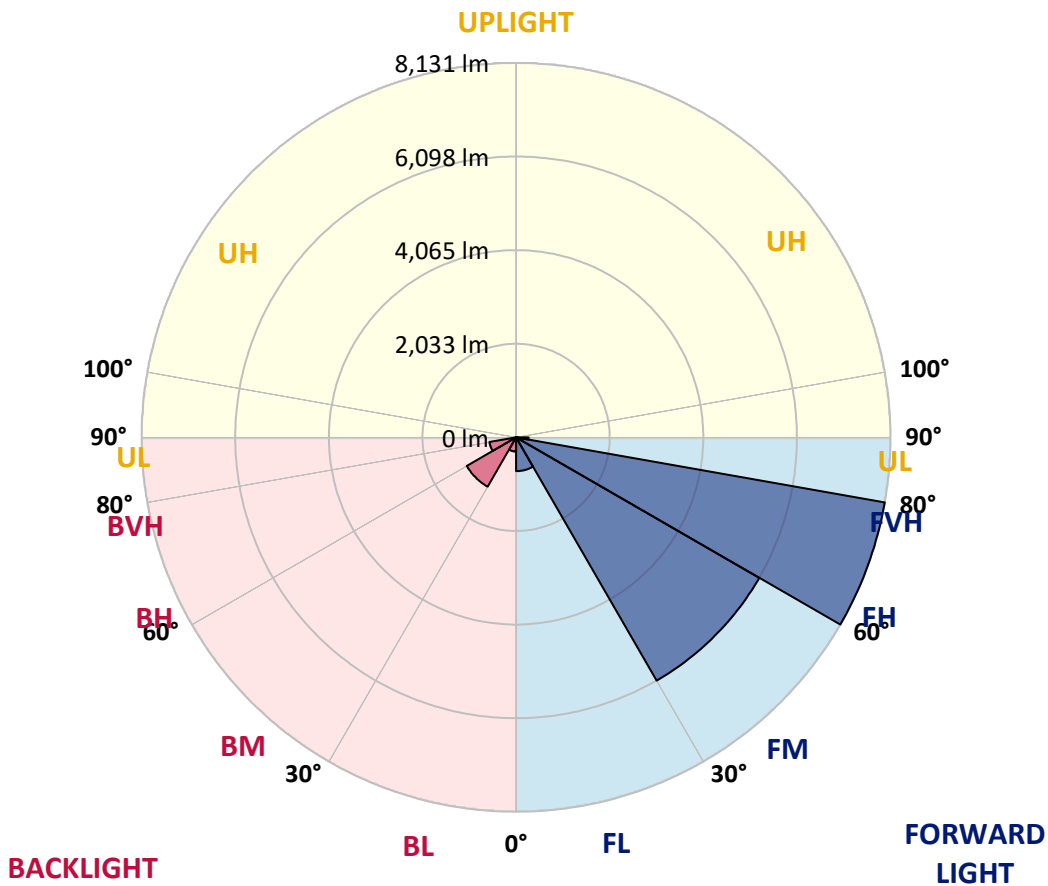


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	734.2	4.2			
FM (30°-60°)	6100.2	35.1			
FH (60°-80°)	8130.6	46.8			G4/12000
FVH (80°-90°)	270.4	1.6			G3/500
BL (0°-30°)	307.6	1.8	B1/500		
BM (30°-60°)	1236.8	7.1	B2/2500		
BH (60°-80°)	587.7	3.4	B2/1000		G2/1000
BVH (80°-90°)	12.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	903.4	903.4	903.4	903.4	903.4	903.4	903.4	903.4	903.4	903.4	903.4
2.5°	921.5	925.5	929.5	943.6	953.6	961.6	963.6	957.6	943.6	929.5	909.4
5°	893.4	897.4	911.4	949.6	987.7	1017.8	1027.9	1021.8	987.7	943.6	897.4
7.5°	891.4	899.4	933.5	1013.8	1096.1	1158.4	1174.4	1160.4	1096.1	1007.8	913.4
10°	963.6	977.7	1027.9	1172.4	1323.0	1433.4	1477.6	1417.3	1315.0	1154.3	999.8
12.5°	1152.3	1176.4	1272.8	1483.6	1716.5	1863.0	1923.2	1849.0	1688.4	1455.5	1210.6
15°	1449.5	1485.6	1630.1	1945.3	2220.4	2350.9	2370.9	2328.8	2142.1	1885.1	1555.9
17.5°	1869.0	1921.2	2146.1	2467.3	2666.0	2712.2	2706.2	2662.0	2525.5	2348.8	2037.7
20°	2370.9	2433.2	2654.0	2919.0	2939.1	2884.9	2854.7	2828.7	2782.5	2752.4	2509.4
22.5°	2876.8	2953.1	3184.0	3250.2	3069.6	2913.0	2838.7	2858.8	2927.0	3075.6	2977.2
25°	3380.7	3453.0	3669.8	3491.1	3129.8	2868.8	2774.4	2822.6	2985.2	3306.4	3432.9
27.5°	3968.9	4023.1	4151.6	3655.8	3139.8	2832.7	2740.3	2814.6	3013.3	3451.0	3932.8
30°	4581.2	4613.4	4551.1	3699.9	3105.7	2778.5	2706.2	2814.6	3061.5	3547.4	4308.2
32.5°	5030.9	5037.0	4834.2	3703.9	3087.6	2734.3	2674.1	2802.6	3107.7	3627.7	4671.6
35°	5494.7	5464.6	5105.2	3764.2	3135.8	2750.4	2698.2	2836.7	3180.0	3722.0	4990.8
37.5°	5964.5	5910.3	5408.4	3862.5	3260.3	2925.0	2892.9	3011.3	3296.4	3852.5	5342.1
40°	6446.3	6372.0	5723.5	4011.1	3537.3	3519.3	3629.7	3615.6	3615.6	4019.1	5703.5
42.5°	7034.5	6948.2	6189.3	4430.7	4183.8	4587.3	4888.4	4701.7	4356.4	4402.6	6173.2
45°	7811.4	7737.1	6996.3	5233.7	5197.6	6125.1	6530.6	6161.2	5302.0	5287.9	6958.2
47.5°	9054.1	9040.0	8283.2	6165.2	6438.2	8082.4	8865.4	8154.7	6380.0	6225.4	8443.8
50°	10800.7	10758.5	9887.2	7257.3	7913.8	10507.6	11904.8	10720.4	7682.9	7319.6	10433.3
52.5°	12768.1	12812.2	12133.7	8449.8	9481.7	13205.7	15151.0	13659.4	9098.3	8710.8	12936.7
55°	14621.0	14874.0	14695.3	9845.1	11013.5	16184.9	18716.5	16883.6	10850.9	10531.7	15743.3
57.5°	16070.5	16783.2	18035.9	11872.7	12814.2	19670.1	22697.5	20378.7	12896.6	13488.8	19563.7
60°	16150.8	17094.4	20003.3	16114.7	15131.0	22659.3	26672.4	23793.6	16112.7	18509.7	22556.9
62.5°	14940.3	15952.1	18722.5	18041.9	17654.5	25202.9	28712.1	26283.0	19276.6	21450.8	21669.6
65°	13555.0	14576.9	17293.1	15855.7	17361.4	25094.5	28194.2	26341.2	19563.7	19451.2	20081.6
67.5°	11461.2	12378.6	14837.9	14034.8	16002.3	23883.9	25801.1	24680.9	18023.9	18192.5	18473.6
70°	8365.5	9248.8	11531.4	11571.6	13974.6	21701.7	22169.5	22014.9	16598.5	16777.2	15974.1
72.5°	6042.8	6787.6	8757.0	9489.7	11156.0	18198.5	17875.3	18471.5	14241.6	14942.3	12830.3
75°	4344.4	4902.5	6424.2	8255.1	8843.3	13514.9	12796.2	14305.9	11427.0	12866.4	9646.3
77.5°	1762.6	1959.4	2527.5	5560.9	5811.9	9092.2	7833.5	10391.1	8146.7	8453.8	4675.6
80°	72.3	80.3	104.4	2870.8	3985.0	5115.3	4191.8	5554.9	5380.3	3404.8	1104.2
82.5°	8.0	8.0	18.1	827.1	1744.6	2822.6	1975.4	3200.0	2724.3	1443.4	501.9
85°	2.0	2.0	4.0	94.4	409.5	451.7	267.0	981.7	1266.8	590.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	18.1	20.1	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°	903.4	903.4	903.4	903.4	903.4	903.4	903.4	903.4	903.4	903.4	903.4
2.5°	909.4	899.4	887.3	875.3	869.3	853.2	847.2	843.2	839.2	841.2	841.2
5°	879.3	857.2	831.1	805.0	791.0	774.9	766.9	762.9	764.9	772.9	772.9
7.5°	875.3	833.1	776.9	742.8	726.7	714.7	706.7	702.6	704.7	714.7	718.7
10°	941.5	867.3	766.9	708.7	690.6	678.6	670.5	664.5	660.5	668.5	670.5
12.5°	1084.1	981.7	815.1	704.7	672.5	656.5	650.4	638.4	632.4	636.4	638.4
15°	1379.2	1202.5	911.4	720.7	656.5	638.4	628.4	618.3	608.3	606.3	608.3
17.5°	1764.6	1511.7	1058.0	758.9	644.4	622.3	608.3	594.2	580.2	578.2	576.2
20°	2242.4	1891.1	1262.8	819.1	634.4	608.3	588.2	568.1	550.1	544.0	544.0
22.5°	2678.1	2348.8	1525.7	893.4	620.3	588.2	564.1	540.0	520.0	509.9	507.9
25°	3210.1	2834.7	1840.9	979.7	600.3	562.1	536.0	511.9	491.9	479.8	475.8
27.5°	3746.1	3346.6	2198.3	1092.1	576.2	536.0	511.9	489.8	467.8	453.7	449.7
30°	4266.1	3898.7	2599.8	1232.6	558.1	509.9	489.8	467.8	447.7	425.6	419.6
32.5°	4824.2	4462.8	3049.5	1389.2	544.0	491.9	469.8	449.7	423.6	403.5	393.5
35°	5362.2	5045.0	3545.3	1541.8	530.0	475.8	451.7	431.6	403.5	381.4	367.4
37.5°	5904.2	5637.2	4063.3	1634.2	509.9	453.7	431.6	415.6	383.4	357.3	341.3
40°	6478.4	6249.5	4623.4	1596.0	491.9	429.6	417.6	399.5	363.4	333.3	313.2
42.5°	7108.8	6833.7	5193.6	1449.5	475.8	409.5	397.5	379.4	345.3	309.2	283.1
45°	7901.8	7474.1	5661.3	1228.6	483.8	389.5	365.4	361.4	329.2	283.1	250.9
47.5°	9264.9	8457.8	6024.7	1086.1	538.0	367.4	339.3	349.3	315.2	257.0	220.8
50°	11350.7	10088.0	6364.0	1076.1	620.3	357.3	315.2	341.3	301.1	230.9	194.7
52.5°	13338.2	11744.2	6580.8	1164.4	692.6	383.4	291.1	331.2	291.1	212.8	176.7
55°	15239.4	12699.8	6193.3	1228.6	760.9	461.7	273.0	315.2	279.1	202.8	170.6
57.5°	17289.1	13125.4	4876.4	1359.1	809.0	528.0	277.0	291.1	263.0	196.7	168.6
60°	17901.4	12581.4	2943.1	1529.8	782.9	548.1	307.2	259.0	240.9	184.7	162.6
62.5°	16949.8	11290.5	1736.5	1393.2	760.9	518.0	351.3	238.9	218.8	168.6	150.6
65°	15526.5	9537.9	1132.3	1176.4	807.0	461.7	373.4	228.9	198.7	152.6	132.5
67.5°	13900.3	7682.9	793.0	694.6	744.8	415.6	315.2	226.9	178.7	128.5	108.4
70°	11708.1	5753.7	558.1	459.7	620.3	369.4	244.9	220.8	156.6	104.4	84.3
72.5°	9046.1	3601.6	415.6	297.1	441.7	301.1	194.7	186.7	126.5	86.3	64.2
75°	6671.1	2053.7	293.1	214.8	291.1	228.9	144.5	132.5	108.4	82.3	58.2
77.5°	3483.1	1027.9	182.7	164.6	166.6	142.5	104.4	96.4	100.4	82.3	54.2
80°	668.5	204.8	110.4	120.5	90.3	90.3	76.3	80.3	88.3	66.2	46.2
82.5°	279.1	44.2	60.2	68.3	56.2	62.2	62.2	64.2	62.2	48.2	34.1
85°	0.0	0.0	26.1	28.1	38.1	38.1	32.1	32.1	32.1	28.1	20.1
87.5°	0.0	0.0	0.0	0.0	2.0	6.0	12.0	14.1	16.1	12.0	8.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	903.4	903.4	903.4	903.4	903.4	903.4	903.4	903.4	903.4	903.4	903.4
2.5°	839.2	835.1	841.2	845.2	849.2	849.2	845.2	841.2	835.1	841.2	835.1
5°	774.9	780.9	791.0	795.0	799.0	791.0	787.0	774.9	764.9	766.9	762.9
7.5°	724.7	730.8	742.8	750.8	750.8	746.8	734.8	722.7	706.7	706.7	704.7
10°	678.6	686.6	700.6	710.7	714.7	710.7	698.6	682.6	668.5	668.5	662.5
12.5°	640.4	650.4	666.5	680.6	684.6	680.6	668.5	652.5	636.4	636.4	632.4
15°	608.3	620.3	638.4	654.5	660.5	654.5	640.4	620.3	604.3	606.3	600.3
17.5°	578.2	588.2	612.3	630.4	636.4	630.4	612.3	586.2	570.1	574.2	570.1
20°	544.0	556.1	580.2	600.3	606.3	600.3	580.2	552.1	536.0	536.0	538.0
22.5°	507.9	520.0	544.0	558.1	566.1	560.1	540.0	513.9	497.9	497.9	499.9
25°	475.8	481.8	499.9	513.9	515.9	509.9	493.9	473.8	461.7	467.8	469.8
27.5°	445.7	445.7	453.7	461.7	459.7	453.7	447.7	431.6	429.6	435.6	441.7
30°	413.6	403.5	399.5	393.5	391.5	389.5	395.5	395.5	399.5	407.5	413.6
32.5°	385.5	365.4	347.3	329.2	319.2	327.2	343.3	357.3	371.4	383.4	389.5
35°	353.3	321.2	291.1	267.0	250.9	263.0	289.1	315.2	339.3	355.3	365.4
37.5°	321.2	275.0	238.9	208.8	196.7	206.8	234.9	271.0	307.2	327.2	341.3
40°	287.1	228.9	186.7	162.6	150.6	160.6	188.7	224.8	273.0	299.1	317.2
42.5°	253.0	188.7	150.6	126.5	120.5	126.5	148.6	184.7	236.9	269.0	293.1
45°	218.8	156.6	120.5	102.4	96.4	102.4	120.5	150.6	202.8	238.9	267.0
47.5°	188.7	132.5	100.4	84.3	80.3	86.3	100.4	126.5	170.6	206.8	238.9
50°	164.6	116.4	86.3	72.3	68.3	74.3	86.3	106.4	144.5	176.7	210.8
52.5°	148.6	108.4	76.3	62.2	60.2	64.2	74.3	90.3	122.5	150.6	182.7
55°	144.5	108.4	70.3	56.2	54.2	58.2	66.2	78.3	106.4	130.5	158.6
57.5°	148.6	116.4	66.2	48.2	46.2	50.2	58.2	68.3	92.3	112.4	138.5
60°	148.6	118.4	58.2	38.1	36.1	40.2	48.2	60.2	82.3	98.4	120.5
62.5°	134.5	108.4	48.2	30.1	26.1	30.1	40.2	50.2	72.3	88.3	106.4
65°	116.4	92.3	40.2	22.1	18.1	22.1	32.1	42.2	62.2	76.3	96.4
67.5°	94.4	70.3	30.1	16.1	12.0	16.1	24.1	34.1	52.2	66.2	86.3
70°	70.3	50.2	24.1	14.1	12.0	14.1	22.1	32.1	46.2	60.2	80.3
72.5°	52.2	34.1	20.1	14.1	10.0	14.1	20.1	30.1	44.2	58.2	76.3
75°	44.2	28.1	18.1	12.0	10.0	12.0	18.1	28.1	40.2	54.2	72.3
77.5°	42.2	26.1	16.1	10.0	8.0	10.0	16.1	24.1	36.1	50.2	70.3
80°	36.1	22.1	14.1	8.0	6.0	8.0	14.1	20.1	28.1	38.1	54.2
82.5°	28.1	18.1	10.0	4.0	2.0	4.0	10.0	12.0	18.1	22.1	32.1
85°	18.1	10.0	4.0	0.0	0.0	0.0	4.0	8.0	8.0	10.0	16.1
87.5°	8.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	6.0
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°	903.4	903.4	903.4	903.4	903.4	903.4	903.4	903.4	903.4	903.4
2.5°	847.2	849.2	853.2	859.2	873.3	885.3	897.4	913.4	921.5	921.5
5°	766.9	768.9	770.9	778.9	799.0	815.1	841.2	873.3	889.3	893.4
7.5°	704.7	708.7	712.7	718.7	738.8	760.9	795.0	855.2	885.3	891.4
10°	668.5	674.5	682.6	694.6	712.7	736.8	795.0	903.4	953.6	963.6
12.5°	640.4	650.4	658.5	672.5	694.6	732.8	849.2	1039.9	1128.2	1152.3
15°	612.3	624.4	636.4	650.4	674.5	746.8	953.6	1284.8	1431.4	1449.5
17.5°	584.2	598.3	614.3	630.4	660.5	780.9	1118.2	1624.1	1828.9	1869.0
20°	552.1	570.1	592.2	612.3	646.4	835.1	1347.1	2027.6	2284.6	2370.9
22.5°	518.0	540.0	566.1	592.2	630.4	901.4	1624.1	2461.3	2820.6	2876.8
25°	489.8	511.9	536.0	562.1	604.3	981.7	1959.4	2999.3	3326.5	3380.7
27.5°	463.7	485.8	507.9	532.0	578.2	1086.1	2362.9	3571.4	3912.7	3968.9
30°	435.6	461.7	483.8	507.9	554.1	1214.6	2828.7	4205.8	4529.1	4581.2
32.5°	411.5	437.6	459.7	483.8	536.0	1355.1	3318.5	4768.0	5030.9	5030.9
35°	391.5	419.6	435.6	467.8	522.0	1445.4	3782.2	5304.0	5502.7	5494.7
37.5°	369.4	403.5	415.6	437.6	503.9	1455.5	4217.9	5870.1	6016.7	5964.5
40°	347.3	383.4	401.5	413.6	483.8	1373.2	4695.7	6390.1	6514.5	6446.3
42.5°	327.2	355.3	381.4	395.5	471.8	1228.6	5079.1	6946.2	7094.7	7034.5
45°	307.2	331.2	347.3	373.4	479.8	1128.2	5408.4	7594.6	7855.6	7811.4
47.5°	287.1	307.2	317.2	357.3	534.0	1082.1	5609.1	8598.4	9090.2	9054.1
50°	265.0	289.1	289.1	353.3	614.3	1098.1	5783.8	10051.8	10812.7	10800.7
52.5°	242.9	269.0	265.0	383.4	676.5	1172.4	5982.5	11334.7	12657.7	12768.1
55°	220.8	244.9	248.9	443.7	712.7	1236.7	5213.6	11874.7	14233.6	14621.0
57.5°	196.7	210.8	259.0	489.8	700.6	1423.4	3571.4	11973.1	15239.4	16070.5
60°	170.6	182.7	293.1	479.8	662.5	1315.0	2248.5	11089.8	15096.8	16150.8
62.5°	148.6	168.6	309.2	423.6	674.5	1140.3	1433.4	9451.6	13737.7	14940.3
65°	130.5	162.6	281.1	383.4	682.6	772.9	967.6	7688.9	12410.7	13555.0
67.5°	116.4	180.7	230.9	341.3	586.2	544.0	664.5	5974.5	10435.3	11461.2
70°	106.4	184.7	188.7	293.1	453.7	349.3	437.6	4021.1	7193.1	8365.5
72.5°	96.4	136.5	142.5	234.9	293.1	212.8	283.1	2300.7	5243.7	6042.8
75°	92.3	92.3	98.4	152.6	162.6	154.6	182.7	1373.2	3760.2	4344.4
77.5°	86.3	70.3	62.2	98.4	88.3	110.4	108.4	610.3	1630.1	1762.6
80°	68.3	50.2	42.2	62.2	60.2	74.3	64.2	50.2	74.3	72.3
82.5°	42.2	32.1	30.1	38.1	34.1	38.1	30.1	8.0	8.0	8.0
85°	20.1	18.1	16.1	16.1	18.1	16.1	12.0	4.0	2.0	2.0
87.5°	10.0	10.0	8.0	6.0	8.0	8.0	6.0	2.0	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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