

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: P642280

Luminaire Tested: GWS-SA6C-750-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642280
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18025.4 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

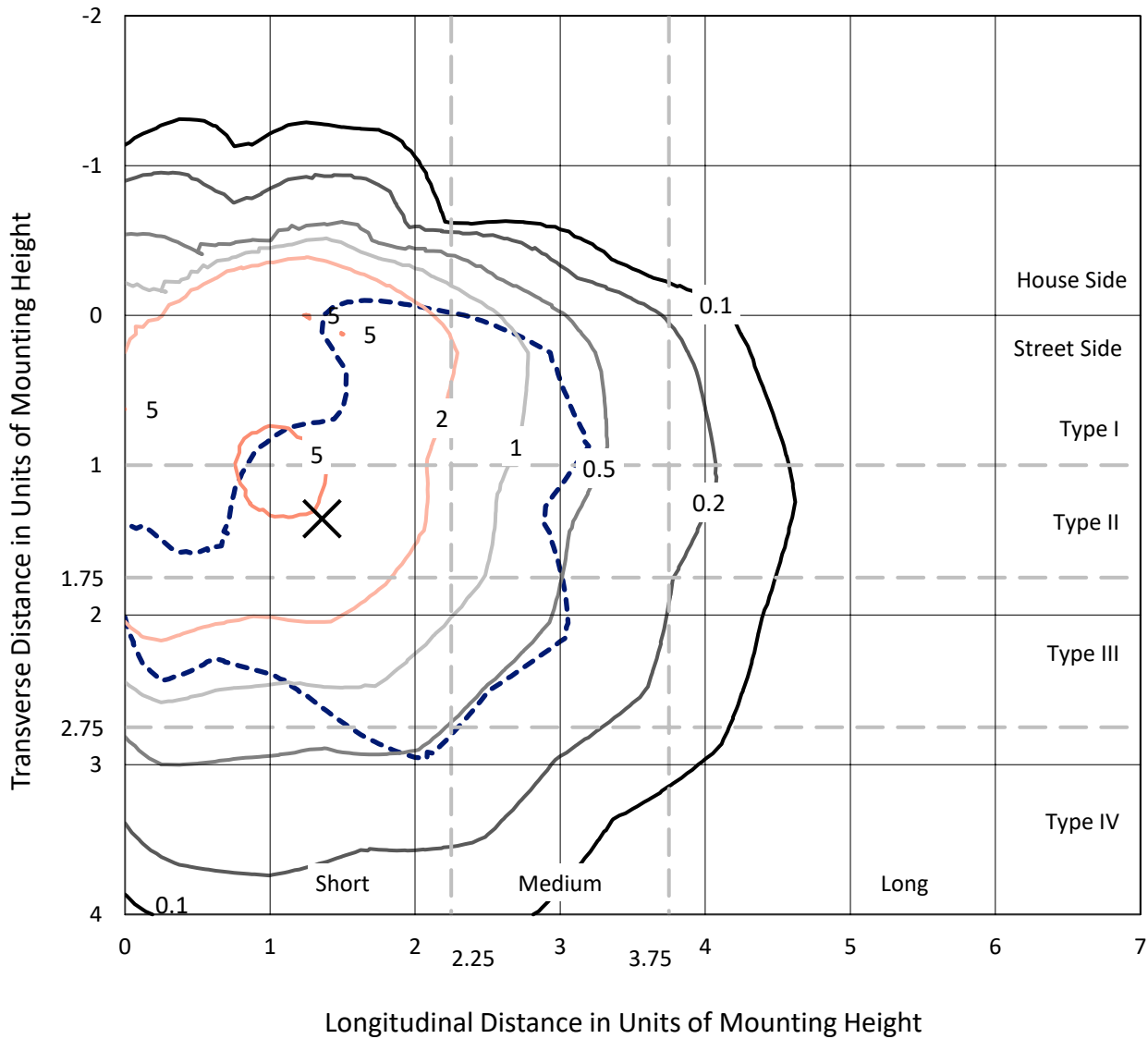
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

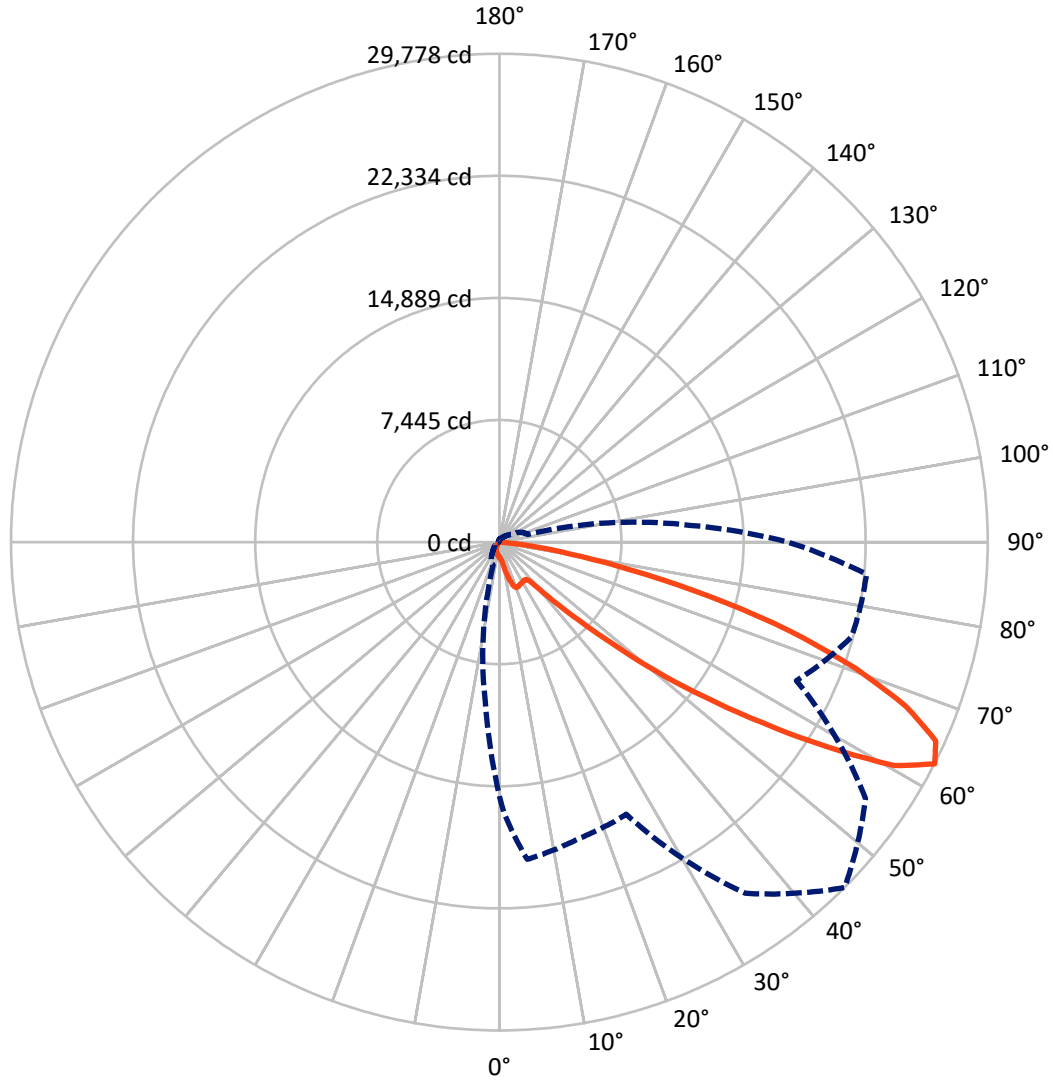
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	2224.3	0.0	2224.3
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	15801.1	0.0	15801.1
	% Fixture	87.7	0.0	87.7
Total	Lumens	18025.4	0.0	18025.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	0.5
10°-20°	314.3	1.7
20°-30°	683.2	3.8
30°-40°	1121.3	6.2
40°-50°	2061.3	11.4
50°-60°	4426.8	24.6
60°-70°	5945.9	33.0
70°-80°	3096.1	17.2
80°-90°	293.6	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°	18025.4	100.0
0°-180°	18025.4	100.0

Coefficient of Utilization



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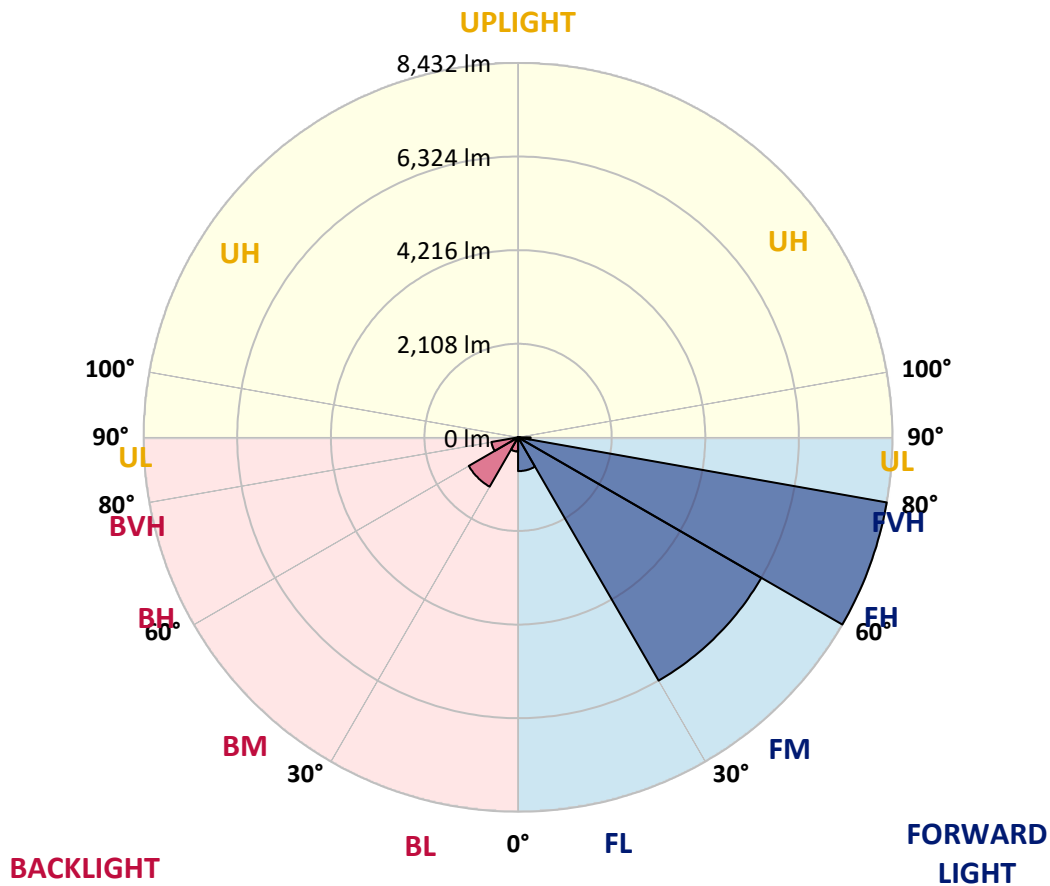
CATALOG NUMBER: GWS-SA6C-750-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	761.5	4.2			
FM (30°-60°)	6326.7	35.1			
FH (60°-80°)	8432.4	46.8			G4/12000
FVH (80°-90°)	280.5	1.6			G3/500
BL (0°-30°)	319.1	1.8	B1/500		
BM (30°-60°)	1282.7	7.1	B2/2500		
BH (60°-80°)	609.5	3.4	B2/1000		G2/1000
BVH (80°-90°)	13.1	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°	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9
2.5°	955.7	959.8	964.0	978.6	989.0	997.3	999.4	993.2	978.6	964.0	943.2
5°	926.5	930.7	945.3	984.8	1024.4	1055.6	1066.0	1059.8	1024.4	978.6	930.7
7.5°	924.5	932.8	968.2	1051.5	1136.8	1201.4	1218.0	1203.5	1136.8	1045.2	947.4
10°	999.4	1014.0	1066.0	1215.9	1372.1	1486.6	1532.4	1470.0	1363.8	1197.2	1036.9
12.5°	1195.1	1220.1	1320.0	1538.7	1780.2	1932.2	1994.6	1917.6	1751.0	1509.5	1255.5
15°	1503.3	1540.8	1690.7	2017.6	2302.8	2438.1	2459.0	2415.2	2221.6	1955.1	1613.6
17.5°	1938.4	1992.6	2225.8	2558.9	2765.0	2812.9	2806.7	2760.9	2619.3	2436.1	2113.3
20°	2459.0	2523.5	2752.5	3027.4	3048.2	2992.0	2960.7	2933.7	2885.8	2854.6	2602.6
22.5°	2983.6	3062.8	3302.2	3370.9	3183.5	3021.1	2944.1	2964.9	3035.7	3189.8	3087.7
25°	3506.3	3581.2	3806.1	3620.8	3246.0	2975.3	2877.5	2927.4	3096.1	3429.2	3560.4
27.5°	4116.3	4172.5	4305.8	3791.5	3256.4	2937.8	2842.1	2919.1	3125.2	3579.1	4078.8
30°	4751.3	4784.7	4720.1	3837.3	3221.0	2881.6	2806.7	2919.1	3175.2	3679.1	4468.2
32.5°	5217.7	5224.0	5013.7	3841.5	3202.3	2835.8	2773.4	2906.6	3223.1	3762.3	4845.0
35°	5698.7	5667.5	5294.8	3903.9	3252.2	2852.5	2798.3	2942.0	3298.0	3860.2	5176.1
37.5°	6185.9	6129.7	5609.2	4006.0	3381.3	3033.6	3000.3	3123.1	3418.8	3995.5	5540.5
40°	6685.6	6608.6	5936.1	4160.0	3668.7	3649.9	3764.4	3749.9	3749.9	4168.4	5915.2
42.5°	7295.7	7206.1	6419.1	4595.2	4339.1	4757.6	5069.9	4876.3	4518.1	4566.0	6402.4
45°	8101.4	8024.4	7256.1	5428.0	5390.5	6352.5	6773.1	6390.0	5498.8	5484.2	7216.5
47.5°	9390.3	9375.7	8590.7	6394.1	6677.3	8382.5	9194.5	8457.5	6616.9	6456.6	8757.3
50°	11201.7	11158.0	10254.3	7526.8	8207.6	10897.7	12346.8	11118.4	7968.2	7591.3	10820.7
52.5°	13242.1	13287.9	12584.2	8763.5	9833.7	13696.0	15713.6	14166.6	9436.1	9034.2	13417.0
55°	15163.9	15426.3	15240.9	10210.6	11422.4	16785.9	19411.4	17510.4	11253.7	10922.7	16327.8
57.5°	16667.2	17406.3	18705.6	12313.5	13290.0	20400.4	23540.2	21135.4	13375.4	13989.6	20290.0
60°	16750.5	17729.1	20746.0	16713.0	15692.8	23500.6	27662.7	24677.0	16710.9	19196.9	23394.4
62.5°	15495.0	16544.3	19417.6	18711.8	18310.0	26138.6	29778.1	27258.8	19992.3	22247.2	22474.2
65°	14058.3	15118.1	17935.2	16444.4	18006.0	26026.2	29241.0	27319.2	20290.0	20173.4	20827.2
67.5°	11886.7	12838.2	15388.8	14555.9	16596.4	24770.7	26759.1	25597.3	18693.1	18868.0	19159.5
70°	8676.1	9592.2	11959.6	12001.2	14493.5	22507.5	22992.6	22832.3	17214.8	17400.1	16567.2
72.5°	6267.1	7039.6	9082.1	9842.1	11570.2	18874.2	18539.0	19157.4	14770.4	15497.0	13306.7
75°	4505.7	5084.5	6662.7	8561.6	9171.6	14016.7	13271.3	14837.0	11851.3	13344.2	10004.5
77.5°	1828.1	2032.1	2621.4	5767.4	6027.7	9429.8	8124.3	10776.9	8449.1	8767.7	4849.2
80°	75.0	83.3	108.3	2977.4	4133.0	5305.2	4347.4	5761.2	5580.0	3531.2	1145.2
82.5°	8.3	8.3	18.7	857.8	1809.3	2927.4	2048.8	3318.9	2825.4	1497.0	520.5
85°	2.1	2.1	4.2	97.9	424.7	468.5	276.9	1018.1	1313.8	612.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	18.7	20.8	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°	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9
2.5°	943.2	932.8	920.3	907.8	901.5	884.9	878.6	874.5	870.3	872.4	872.4
5°	912.0	889.1	862.0	834.9	820.3	803.7	795.4	791.2	793.3	801.6	801.6
7.5°	907.8	864.1	805.8	770.4	753.7	741.2	732.9	728.7	730.8	741.2	745.4
10°	976.5	899.5	795.4	735.0	716.2	703.7	695.4	689.2	685.0	693.3	695.4
12.5°	1124.3	1018.1	845.3	730.8	697.5	680.8	674.6	662.1	655.9	660.0	662.1
15°	1430.4	1247.2	945.3	747.5	680.8	662.1	651.7	641.3	630.9	628.8	630.9
17.5°	1830.2	1567.8	1097.3	787.0	668.4	645.4	630.9	616.3	601.7	599.6	597.6
20°	2325.7	1961.3	1309.6	849.5	657.9	630.9	610.1	589.2	570.5	564.2	564.2
22.5°	2777.5	2436.1	1582.4	926.5	643.4	610.1	585.1	560.1	539.3	528.9	526.8
25°	3329.3	2939.9	1909.3	1016.1	622.5	583.0	555.9	530.9	510.1	497.6	493.5
27.5°	3885.2	3470.9	2279.9	1132.7	597.6	555.9	530.9	508.0	485.1	470.6	466.4
30°	4424.5	4043.4	2696.3	1278.4	578.8	528.9	508.0	485.1	464.3	441.4	435.2
32.5°	5003.3	4628.5	3162.7	1440.8	564.2	510.1	487.2	466.4	439.3	418.5	408.1
35°	5561.3	5232.3	3677.0	1599.1	549.7	493.5	468.5	447.7	418.5	395.6	381.0
37.5°	6123.4	5846.5	4214.2	1694.8	528.9	470.6	447.7	431.0	397.7	370.6	354.0
40°	6718.9	6481.6	4795.1	1655.3	510.1	445.6	433.1	414.3	376.9	345.6	324.8
42.5°	7372.7	7087.5	5386.4	1503.3	493.5	424.7	412.3	393.5	358.1	320.6	293.6
45°	8195.1	7751.6	5871.5	1274.2	501.8	403.9	378.9	374.8	341.5	293.6	260.3
47.5°	9608.9	8771.9	6248.4	1126.4	558.0	381.0	351.9	362.3	326.9	266.5	229.0
50°	11772.2	10462.5	6600.2	1116.0	643.4	370.6	326.9	354.0	312.3	239.4	202.0
52.5°	13833.5	12180.3	6825.1	1207.6	718.3	397.7	301.9	343.5	301.9	220.7	183.2
55°	15805.2	13171.3	6423.3	1274.2	789.1	478.9	283.2	326.9	289.4	210.3	177.0
57.5°	17931.0	13612.7	5057.4	1409.6	839.1	547.6	287.3	301.9	272.8	204.0	174.9
60°	18566.1	13048.5	3052.4	1586.6	812.0	568.4	318.6	268.6	249.9	191.6	168.6
62.5°	17579.1	11709.7	1801.0	1445.0	789.1	537.2	364.4	247.8	226.9	174.9	156.2
65°	16102.9	9892.0	1174.3	1220.1	837.0	478.9	387.3	237.4	206.1	158.2	137.4
67.5°	14416.4	7968.2	822.4	720.4	772.5	431.0	326.9	235.3	185.3	133.3	112.4
70°	12142.8	5967.3	578.8	476.8	643.4	383.1	254.0	229.0	162.4	108.3	87.4
72.5°	9381.9	3735.3	431.0	308.2	458.1	312.3	202.0	193.6	131.2	89.5	66.6
75°	6918.8	2130.0	304.0	222.8	301.9	237.4	149.9	137.4	112.4	85.4	60.4
77.5°	3612.4	1066.0	189.5	170.7	172.8	147.8	108.3	99.9	104.1	85.4	56.2
80°	693.3	212.4	114.5	124.9	93.7	93.7	79.1	83.3	91.6	68.7	47.9
82.5°	289.4	45.8	62.5	70.8	58.3	64.5	64.5	66.6	64.5	50.0	35.4
85°	0.0	0.0	27.1	29.1	39.6	39.6	33.3	33.3	33.3	29.1	20.8
87.5°	0.0	0.0	0.0	0.0	2.1	6.2	12.5	14.6	16.7	12.5	8.3
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°	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9
2.5°	870.3	866.2	872.4	876.6	880.7	880.7	876.6	872.4	866.2	872.4	866.2
5°	803.7	809.9	820.3	824.5	828.7	820.3	816.2	803.7	793.3	795.4	791.2
7.5°	751.6	757.9	770.4	778.7	778.7	774.5	762.0	749.6	732.9	732.9	730.8
10°	703.7	712.1	726.7	737.1	741.2	737.1	724.6	707.9	693.3	693.3	687.1
12.5°	664.2	674.6	691.3	705.8	710.0	705.8	693.3	676.7	660.0	660.0	655.9
15°	630.9	643.4	662.1	678.8	685.0	678.8	664.2	643.4	626.7	628.8	622.5
17.5°	599.6	610.1	635.0	653.8	660.0	653.8	635.0	608.0	591.3	595.5	591.3
20°	564.2	576.7	601.7	622.5	628.8	622.5	601.7	572.6	555.9	555.9	558.0
22.5°	526.8	539.3	564.2	578.8	587.2	580.9	560.1	533.0	516.4	516.4	518.4
25°	493.5	499.7	518.4	533.0	535.1	528.9	512.2	491.4	478.9	485.1	487.2
27.5°	462.2	462.2	470.6	478.9	476.8	470.6	464.3	447.7	445.6	451.8	458.1
30°	428.9	418.5	414.3	408.1	406.0	403.9	410.2	410.2	414.3	422.7	428.9
32.5°	399.8	378.9	360.2	341.5	331.1	339.4	356.0	370.6	385.2	397.7	403.9
35°	366.4	333.1	301.9	276.9	260.3	272.8	299.8	326.9	351.9	368.5	378.9
37.5°	333.1	285.2	247.8	216.5	204.0	214.5	243.6	281.1	318.6	339.4	354.0
40°	297.7	237.4	193.6	168.6	156.2	166.6	195.7	233.2	283.2	310.2	329.0
42.5°	262.3	195.7	156.2	131.2	124.9	131.2	154.1	191.6	245.7	279.0	304.0
45°	226.9	162.4	124.9	106.2	99.9	106.2	124.9	156.2	210.3	247.8	276.9
47.5°	195.7	137.4	104.1	87.4	83.3	89.5	104.1	131.2	177.0	214.5	247.8
50°	170.7	120.8	89.5	75.0	70.8	77.0	89.5	110.4	149.9	183.2	218.6
52.5°	154.1	112.4	79.1	64.5	62.5	66.6	77.0	93.7	127.0	156.2	189.5
55°	149.9	112.4	72.9	58.3	56.2	60.4	68.7	81.2	110.4	135.3	164.5
57.5°	154.1	120.8	68.7	50.0	47.9	52.1	60.4	70.8	95.8	116.6	143.7
60°	154.1	122.8	60.4	39.6	37.5	41.6	50.0	62.5	85.4	102.0	124.9
62.5°	139.5	112.4	50.0	31.2	27.1	31.2	41.6	52.1	75.0	91.6	110.4
65°	120.8	95.8	41.6	22.9	18.7	22.9	33.3	43.7	64.5	79.1	99.9
67.5°	97.9	72.9	31.2	16.7	12.5	16.7	25.0	35.4	54.1	68.7	89.5
70°	72.9	52.1	25.0	14.6	12.5	14.6	22.9	33.3	47.9	62.5	83.3
72.5°	54.1	35.4	20.8	14.6	10.4	14.6	20.8	31.2	45.8	60.4	79.1
75°	45.8	29.1	18.7	12.5	10.4	12.5	18.7	29.1	41.6	56.2	75.0
77.5°	43.7	27.1	16.7	10.4	8.3	10.4	16.7	25.0	37.5	52.1	72.9
80°	37.5	22.9	14.6	8.3	6.2	8.3	14.6	20.8	29.1	39.6	56.2
82.5°	29.1	18.7	10.4	4.2	2.1	4.2	10.4	12.5	18.7	22.9	33.3
85°	18.7	10.4	4.2	0.0	0.0	0.0	4.2	8.3	8.3	10.4	16.7
87.5°	8.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	6.2
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°	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9
2.5°	878.6	880.7	884.9	891.1	905.7	918.2	930.7	947.4	955.7	955.7
5°	795.4	797.4	799.5	807.9	828.7	845.3	872.4	905.7	922.4	926.5
7.5°	730.8	735.0	739.1	745.4	766.2	789.1	824.5	887.0	918.2	924.5
10°	693.3	699.6	707.9	720.4	739.1	764.1	824.5	936.9	989.0	999.4
12.5°	664.2	674.6	682.9	697.5	720.4	760.0	880.7	1078.5	1170.1	1195.1
15°	635.0	647.5	660.0	674.6	699.6	774.5	989.0	1332.5	1484.5	1503.3
17.5°	605.9	620.5	637.1	653.8	685.0	809.9	1159.7	1684.4	1896.8	1938.4
20°	572.6	591.3	614.2	635.0	670.4	866.2	1397.1	2102.9	2369.4	2459.0
22.5°	537.2	560.1	587.2	614.2	653.8	934.9	1684.4	2552.7	2925.3	2983.6
25°	508.0	530.9	555.9	583.0	626.7	1018.1	2032.1	3110.7	3450.0	3506.3
27.5°	481.0	503.9	526.8	551.8	599.6	1126.4	2450.6	3704.0	4058.0	4116.3
30°	451.8	478.9	501.8	526.8	574.7	1259.7	2933.7	4362.0	4697.2	4751.3
32.5°	426.8	453.9	476.8	501.8	555.9	1405.4	3441.7	4945.0	5217.7	5217.7
35°	406.0	435.2	451.8	485.1	541.3	1499.1	3922.7	5500.9	5707.0	5698.7
37.5°	383.1	418.5	431.0	453.9	522.6	1509.5	4374.5	6088.1	6240.0	6185.9
40°	360.2	397.7	416.4	428.9	501.8	1424.2	4870.0	6627.3	6756.4	6685.6
42.5°	339.4	368.5	395.6	410.2	489.3	1274.2	5267.7	7204.1	7358.1	7295.7
45°	318.6	343.5	360.2	387.3	497.6	1170.1	5609.2	7876.6	8147.2	8101.4
47.5°	297.7	318.6	329.0	370.6	553.8	1122.3	5817.4	8917.6	9427.7	9390.3
50°	274.8	299.8	299.8	366.4	637.1	1138.9	5998.5	10425.1	11214.2	11201.7
52.5°	251.9	279.0	274.8	397.7	701.7	1215.9	6204.6	11755.5	13127.6	13242.1
55°	229.0	254.0	258.2	460.1	739.1	1282.6	5407.2	12315.6	14762.1	15163.9
57.5°	204.0	218.6	268.6	508.0	726.7	1476.2	3704.0	12417.6	15805.2	16667.2
60°	177.0	189.5	304.0	497.6	687.1	1363.8	2331.9	11501.5	15657.4	16750.5
62.5°	154.1	174.9	320.6	439.3	699.6	1182.6	1486.6	9802.5	14247.8	15495.0
65°	135.3	168.6	291.5	397.7	707.9	801.6	1003.6	7974.4	12871.5	14058.3
67.5°	120.8	187.4	239.4	354.0	608.0	564.2	689.2	6196.3	10822.7	11886.7
70°	110.4	191.6	195.7	304.0	470.6	362.3	453.9	4170.4	7460.2	8676.1
72.5°	99.9	141.6	147.8	243.6	304.0	220.7	293.6	2386.1	5438.4	6267.1
75°	95.8	95.8	102.0	158.2	168.6	160.3	189.5	1424.2	3899.8	4505.7
77.5°	89.5	72.9	64.5	102.0	91.6	114.5	112.4	633.0	1690.7	1828.1
80°	70.8	52.1	43.7	64.5	62.5	77.0	66.6	52.1	77.0	75.0
82.5°	43.7	33.3	31.2	39.6	35.4	39.6	31.2	8.3	8.3	8.3
85°	20.8	18.7	16.7	16.7	18.7	16.7	12.5	4.2	2.1	2.1
87.5°	10.4	10.4	8.3	6.2	8.3	8.3	6.2	2.1	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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