

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: P642335

Luminaire Tested: GWS-SA6C-760-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642335
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17778.4 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

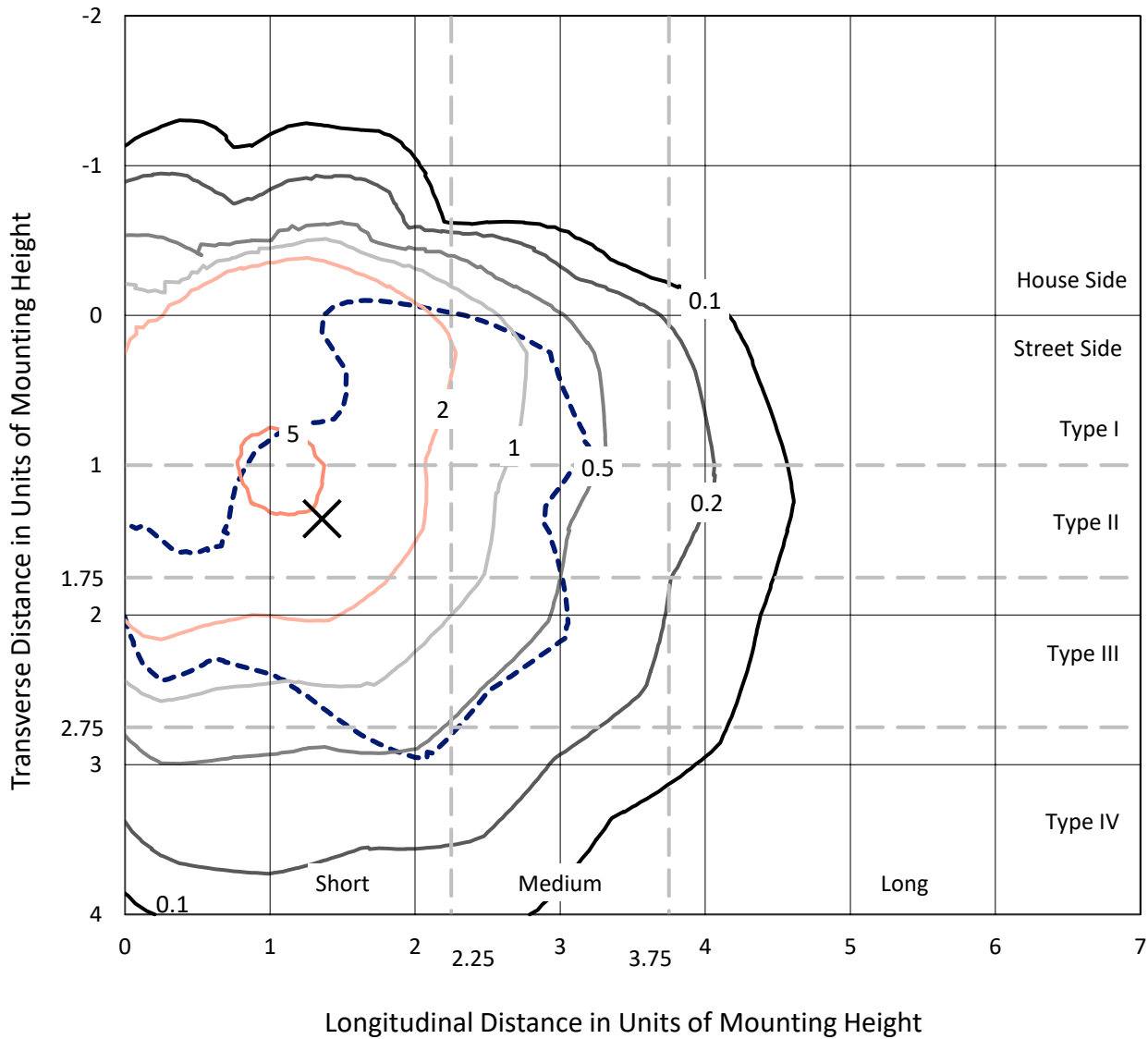
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

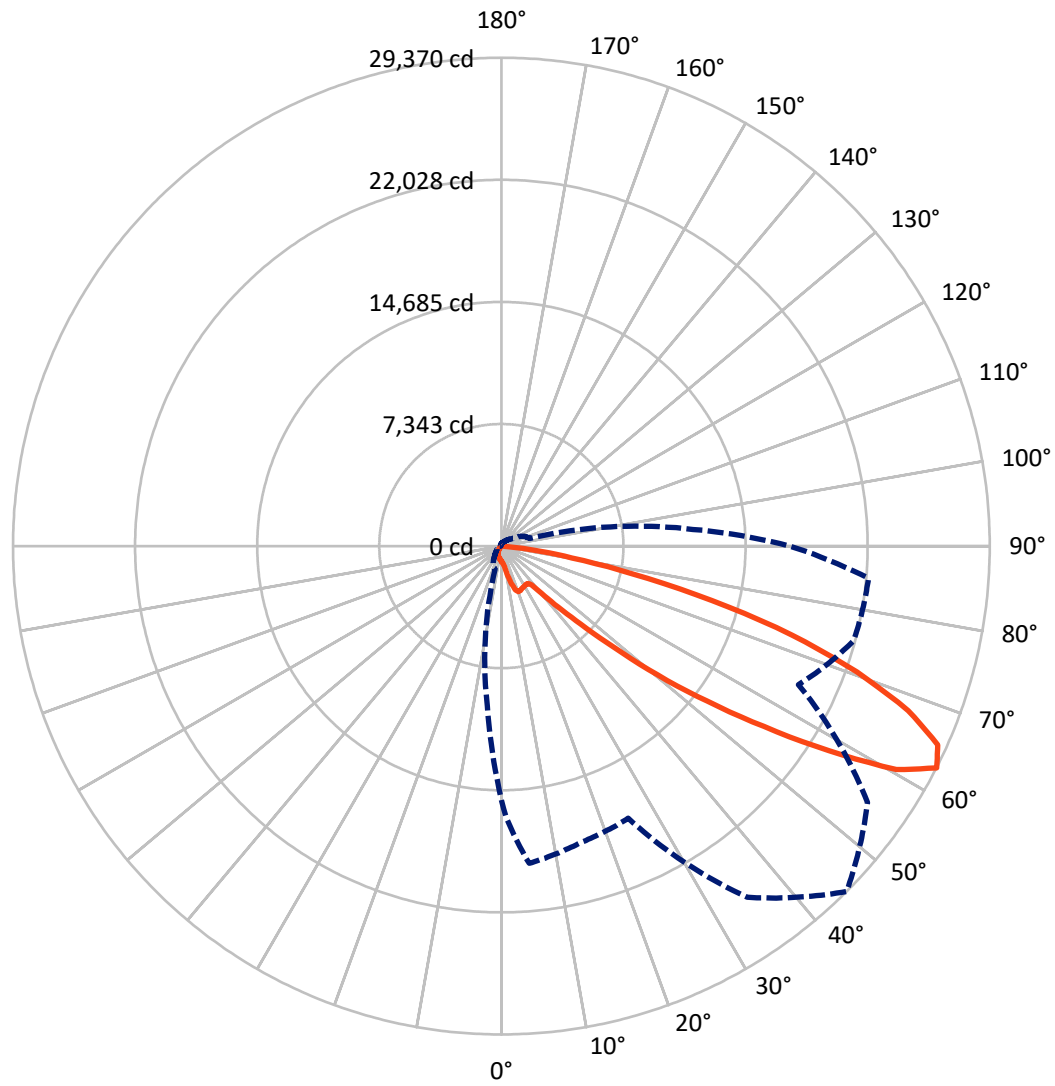
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	2193.8	0.0	2193.8
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	15584.6	0.0	15584.6
	% Fixture	87.7	0.0	87.7
Total	Lumens	17778.4	0.0	17778.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	0.5
10°-20°	310.0	1.7
20°-30°	673.8	3.8
30°-40°	1105.9	6.2
40°-50°	2033.1	11.4
50°-60°	4366.1	24.6
60°-70°	5864.4	33.0
70°-80°	3053.6	17.2
80°-90°	289.5	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°	17778.4	100.0
0°-180°	17778.4	100.0

Coefficient of Utilization



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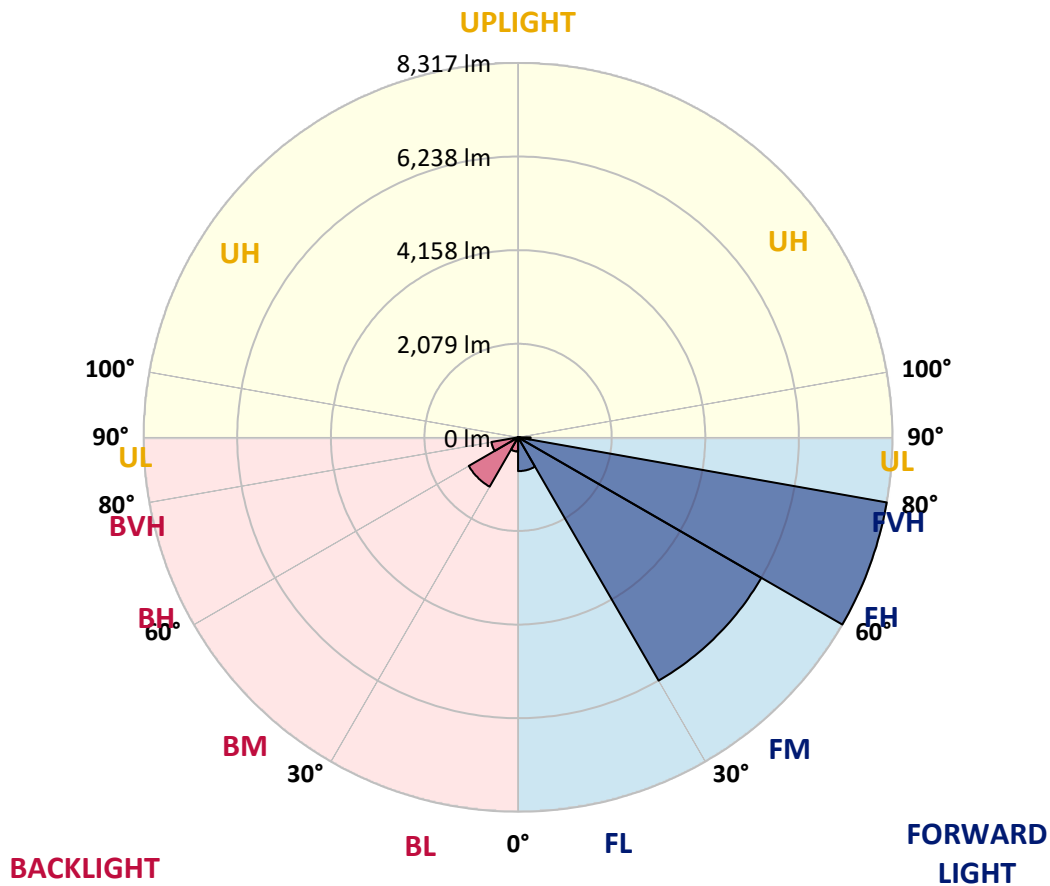
CATALOG NUMBER: GWS-SA6C-760-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	751.0	4.2			
FM (30°-60°)	6240.0	35.1			
FH (60°-80°)	8316.9	46.8			G4/12000
FVH (80°-90°)	276.6	1.6			G3/500
BL (0°-30°)	314.7	1.8	B1/500		
BM (30°-60°)	1265.1	7.1	B2/2500		
BH (60°-80°)	601.1	3.4	B2/1000		G2/1000
BVH (80°-90°)	12.9	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°	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1
2.5°	942.6	946.7	950.8	965.2	975.4	983.7	985.7	979.6	965.2	950.8	930.3
5°	913.8	917.9	932.3	971.3	1010.4	1041.2	1051.4	1045.3	1010.4	965.2	917.9
7.5°	911.8	920.0	954.9	1037.1	1121.2	1184.9	1201.3	1187.0	1121.2	1030.9	934.4
10°	985.7	1000.1	1051.4	1199.3	1353.3	1466.2	1511.4	1449.8	1345.1	1180.8	1022.7
12.5°	1178.7	1203.4	1302.0	1517.6	1755.8	1905.7	1967.3	1891.3	1727.0	1488.8	1238.3
15°	1482.7	1519.6	1667.5	1989.9	2271.2	2404.7	2425.3	2382.1	2191.2	1928.3	1591.5
17.5°	1911.9	1965.3	2195.3	2523.8	2727.1	2774.4	2768.2	2723.0	2583.4	2402.7	2084.4
20°	2425.3	2488.9	2714.8	2985.9	3006.4	2951.0	2920.2	2893.5	2846.2	2815.4	2567.0
22.5°	2942.8	3020.8	3257.0	3324.7	3139.9	2979.7	2903.7	2924.3	2994.1	3146.1	3045.4
25°	3458.2	3532.1	3753.9	3571.2	3201.5	2934.5	2838.0	2887.3	3053.7	3382.2	3511.6
27.5°	4059.9	4115.3	4246.8	3739.5	3211.8	2897.6	2803.1	2879.1	3082.4	3530.1	4022.9
30°	4686.2	4719.1	4655.4	3784.7	3176.9	2842.1	2768.2	2879.1	3131.7	3628.7	4407.0
32.5°	5146.2	5152.4	4945.0	3788.8	3158.4	2797.0	2735.3	2866.8	3178.9	3710.8	4778.6
35°	5620.6	5589.8	5222.2	3850.4	3207.7	2813.4	2760.0	2901.7	3252.8	3807.3	5105.2
37.5°	6101.1	6045.7	5532.3	3951.1	3335.0	2992.0	2959.2	3080.3	3372.0	3940.8	5464.5
40°	6594.0	6518.0	5854.7	4103.0	3618.4	3599.9	3712.8	3698.5	3698.5	4111.2	5834.2
42.5°	7195.7	7107.4	6331.1	4532.2	4279.6	4692.4	5000.4	4809.5	4456.2	4503.5	6314.7
45°	7990.4	7914.4	7156.7	5353.6	5316.7	6265.4	6680.3	6302.4	5423.5	5409.1	7117.7
47.5°	9261.6	9247.2	8473.0	6306.5	6585.8	8267.7	9068.5	8341.6	6526.2	6368.1	8637.3
50°	11048.2	11005.1	10113.8	7423.6	8095.2	10748.4	12177.6	10966.0	7859.0	7487.3	10672.4
52.5°	13060.7	13105.9	12411.8	8643.5	9699.0	13508.4	15498.3	13972.5	9306.8	8910.4	13233.2
55°	14956.1	15214.9	15032.1	10070.7	11265.9	16555.8	19145.4	17270.5	11099.5	10773.0	16104.1
57.5°	16438.8	17167.8	18449.2	12144.8	13107.9	20120.8	23217.6	20845.7	13192.1	13797.9	20012.0
60°	16520.9	17486.1	20461.7	16484.0	15477.7	23178.6	27283.7	24338.9	16481.9	18933.9	23073.9
62.5°	15282.6	16317.6	19151.6	18455.4	18059.1	25780.5	29370.1	26885.3	19718.3	21942.4	22166.2
65°	13865.7	14910.9	17689.4	16219.1	17759.2	25669.6	28840.3	26944.8	20012.0	19897.0	20541.8
67.5°	11723.8	12662.3	15177.9	14356.5	16369.0	24431.3	26392.4	25246.5	18436.9	18609.4	18896.9
70°	8557.2	9460.8	11795.7	11836.8	14294.9	22199.0	22677.5	22519.4	16978.9	17161.7	16340.2
72.5°	6181.2	6943.1	8957.7	9707.2	11411.7	18615.6	18285.0	18894.9	14568.0	15284.7	13124.3
75°	4443.9	5014.8	6571.4	8444.3	9046.0	13824.6	13089.4	14633.7	11688.9	13161.3	9867.4
77.5°	1803.0	2004.3	2585.4	5688.4	5945.1	9300.6	8013.0	10629.3	8333.4	8647.6	4782.8
80°	73.9	82.1	106.8	2936.6	4076.3	5232.5	4287.8	5682.2	5503.6	3482.8	1129.5
82.5°	8.2	8.2	18.5	846.1	1784.5	2887.3	2020.7	3273.4	2786.7	1476.5	513.4
85°	2.1	2.1	4.1	96.5	418.9	462.1	273.1	1004.2	1295.8	603.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	18.5	20.5	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°	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1
2.5°	930.3	920.0	907.7	895.4	889.2	872.8	866.6	862.5	858.4	860.4	860.4
5°	899.5	876.9	850.2	823.5	809.1	792.7	784.5	780.4	782.4	790.6	790.6
7.5°	895.4	852.2	794.7	759.8	743.4	731.1	722.9	718.7	720.8	731.1	735.2
10°	963.1	887.1	784.5	724.9	706.4	694.1	685.9	679.7	675.6	683.8	685.9
12.5°	1108.9	1004.2	833.7	720.8	687.9	671.5	665.4	653.0	646.9	651.0	653.0
15°	1410.8	1230.1	932.3	737.2	671.5	653.0	642.8	632.5	622.2	620.2	622.2
17.5°	1805.1	1546.3	1082.2	776.2	659.2	636.6	622.2	607.9	593.5	591.4	589.4
20°	2293.8	1934.5	1291.7	837.9	648.9	622.2	601.7	581.2	562.7	556.5	556.5
22.5°	2739.5	2402.7	1560.7	913.8	634.6	601.7	577.1	552.4	531.9	521.6	519.6
25°	3283.7	2899.6	1883.1	1002.1	614.0	575.0	548.3	523.7	503.1	490.8	486.7
27.5°	3832.0	3423.3	2248.7	1117.1	589.4	548.3	523.7	501.1	478.5	464.1	460.0
30°	4363.8	3988.0	2659.4	1260.9	570.9	521.6	501.1	478.5	457.9	435.4	429.2
32.5°	4934.7	4565.1	3119.4	1421.1	556.5	503.1	480.5	460.0	433.3	412.8	402.5
35°	5485.1	5160.6	3626.6	1577.1	542.1	486.7	462.1	441.5	412.8	390.2	375.8
37.5°	6039.5	5766.4	4156.4	1671.6	521.6	464.1	441.5	425.1	392.2	365.5	349.1
40°	6626.9	6392.8	4729.4	1632.6	503.1	439.5	427.1	408.7	371.7	340.9	320.4
42.5°	7271.7	6990.3	5312.6	1482.7	486.7	418.9	406.6	388.1	353.2	316.2	289.6
45°	8082.8	7645.4	5791.1	1256.8	494.9	398.4	373.7	369.6	336.8	289.6	256.7
47.5°	9477.2	8651.7	6162.8	1111.0	550.4	375.8	347.1	357.3	322.4	262.9	225.9
50°	11610.9	10319.2	6509.8	1100.7	634.6	365.5	322.4	349.1	308.0	236.2	199.2
52.5°	13643.9	12013.4	6731.6	1191.1	708.5	392.2	297.8	338.8	297.8	217.7	180.7
55°	15588.6	12990.9	6335.3	1256.8	778.3	472.3	279.3	322.4	285.4	207.4	174.6
57.5°	17685.3	13426.2	4988.1	1390.3	827.6	540.1	283.4	297.8	269.0	201.2	172.5
60°	18311.6	12869.7	3010.5	1564.8	800.9	560.6	314.2	264.9	246.4	188.9	166.3
62.5°	17338.3	11549.3	1776.3	1425.2	778.3	529.8	359.4	244.4	223.8	172.5	154.0
65°	15882.3	9756.5	1158.2	1203.4	825.5	472.3	382.0	234.1	203.3	156.1	135.5
67.5°	14218.9	7859.0	811.2	710.5	761.9	425.1	322.4	232.1	182.8	131.4	110.9
70°	11976.4	5885.5	570.9	470.3	634.6	377.9	250.5	225.9	160.2	106.8	86.2
72.5°	9253.4	3684.1	425.1	303.9	451.8	308.0	199.2	191.0	129.4	88.3	65.7
75°	6824.0	2100.8	299.8	219.7	297.8	234.1	147.9	135.5	110.9	84.2	59.6
77.5°	3562.9	1051.4	186.9	168.4	170.4	145.8	106.8	98.6	102.7	84.2	55.4
80°	683.8	209.5	112.9	123.2	92.4	92.4	78.0	82.1	90.4	67.8	47.2
82.5°	285.4	45.2	61.6	69.8	57.5	63.7	63.7	65.7	63.7	49.3	34.9
85°	0.0	0.0	26.7	28.7	39.0	39.0	32.9	32.9	32.9	28.7	20.5
87.5°	0.0	0.0	0.0	0.0	2.1	6.2	12.3	14.4	16.4	12.3	8.2
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°	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1
2.5°	858.4	854.3	860.4	864.6	868.7	868.7	864.6	860.4	854.3	860.4	854.3
5°	792.7	798.8	809.1	813.2	817.3	809.1	805.0	792.7	782.4	784.5	780.4
7.5°	741.3	747.5	759.8	768.0	768.0	763.9	751.6	739.3	722.9	722.9	720.8
10°	694.1	702.3	716.7	727.0	731.1	727.0	714.6	698.2	683.8	683.8	677.7
12.5°	655.1	665.4	681.8	696.2	700.3	696.2	683.8	667.4	651.0	651.0	646.9
15°	622.2	634.6	653.0	669.5	675.6	669.5	655.1	634.6	618.1	620.2	614.0
17.5°	591.4	601.7	626.3	644.8	651.0	644.8	626.3	599.6	583.2	587.3	583.2
20°	556.5	568.8	593.5	614.0	620.2	614.0	593.5	564.7	548.3	548.3	550.4
22.5°	519.6	531.9	556.5	570.9	579.1	572.9	552.4	525.7	509.3	509.3	511.3
25°	486.7	492.9	511.3	525.7	527.8	521.6	505.2	484.6	472.3	478.5	480.5
27.5°	455.9	455.9	464.1	472.3	470.3	464.1	457.9	441.5	439.5	445.6	451.8
30°	423.0	412.8	408.7	402.5	400.4	398.4	404.6	404.6	408.7	416.9	423.0
32.5°	394.3	373.7	355.3	336.8	326.5	334.7	351.2	365.5	379.9	392.2	398.4
35°	361.4	328.6	297.8	273.1	256.7	269.0	295.7	322.4	347.1	363.5	373.7
37.5°	328.6	281.3	244.4	213.6	201.2	211.5	240.3	277.2	314.2	334.7	349.1
40°	293.7	234.1	191.0	166.3	154.0	164.3	193.0	230.0	279.3	306.0	324.5
42.5°	258.7	193.0	154.0	129.4	123.2	129.4	152.0	188.9	242.3	275.2	299.8
45°	223.8	160.2	123.2	104.7	98.6	104.7	123.2	154.0	207.4	244.4	273.1
47.5°	193.0	135.5	102.7	86.2	82.1	88.3	102.7	129.4	174.6	211.5	244.4
50°	168.4	119.1	88.3	73.9	69.8	76.0	88.3	108.8	147.9	180.7	215.6
52.5°	152.0	110.9	78.0	63.7	61.6	65.7	76.0	92.4	125.3	154.0	186.9
55°	147.9	110.9	71.9	57.5	55.4	59.6	67.8	80.1	108.8	133.5	162.2
57.5°	152.0	119.1	67.8	49.3	47.2	51.3	59.6	69.8	94.5	115.0	141.7
60°	152.0	121.2	59.6	39.0	37.0	41.1	49.3	61.6	84.2	100.6	123.2
62.5°	137.6	110.9	49.3	30.8	26.7	30.8	41.1	51.3	73.9	90.4	108.8
65°	119.1	94.5	41.1	22.6	18.5	22.6	32.9	43.1	63.7	78.0	98.6
67.5°	96.5	71.9	30.8	16.4	12.3	16.4	24.6	34.9	53.4	67.8	88.3
70°	71.9	51.3	24.6	14.4	12.3	14.4	22.6	32.9	47.2	61.6	82.1
72.5°	53.4	34.9	20.5	14.4	10.3	14.4	20.5	30.8	45.2	59.6	78.0
75°	45.2	28.7	18.5	12.3	10.3	12.3	18.5	28.7	41.1	55.4	73.9
77.5°	43.1	26.7	16.4	10.3	8.2	10.3	16.4	24.6	37.0	51.3	71.9
80°	37.0	22.6	14.4	8.2	6.2	8.2	14.4	20.5	28.7	39.0	55.4
82.5°	28.7	18.5	10.3	4.1	2.1	4.1	10.3	12.3	18.5	22.6	32.9
85°	18.5	10.3	4.1	0.0	0.0	0.0	4.1	8.2	8.2	10.3	16.4
87.5°	8.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	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°	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1
2.5°	866.6	868.7	872.8	878.9	893.3	905.6	917.9	934.4	942.6	942.6
5°	784.5	786.5	788.6	796.8	817.3	833.7	860.4	893.3	909.7	913.8
7.5°	720.8	724.9	729.0	735.2	755.7	778.3	813.2	874.8	905.6	911.8
10°	683.8	690.0	698.2	710.5	729.0	753.7	813.2	924.1	975.4	985.7
12.5°	655.1	665.4	673.6	687.9	710.5	749.6	868.7	1063.7	1154.1	1178.7
15°	626.3	638.7	651.0	665.4	690.0	763.9	975.4	1314.3	1464.2	1482.7
17.5°	597.6	612.0	628.4	644.8	675.6	798.8	1143.8	1661.3	1870.8	1911.9
20°	564.7	583.2	605.8	626.3	661.2	854.3	1377.9	2074.1	2337.0	2425.3
22.5°	529.8	552.4	579.1	605.8	644.8	922.1	1661.3	2517.7	2885.3	2942.8
25°	501.1	523.7	548.3	575.0	618.1	1004.2	2004.3	3068.0	3402.8	3458.2
27.5°	474.4	497.0	519.6	544.2	591.4	1111.0	2417.0	3653.3	4002.4	4059.9
30°	445.6	472.3	494.9	519.6	566.8	1242.4	2893.5	4302.2	4632.8	4686.2
32.5°	421.0	447.7	470.3	494.9	548.3	1386.2	3394.5	4877.2	5146.2	5146.2
35°	400.4	429.2	445.6	478.5	533.9	1478.6	3868.9	5425.5	5628.8	5620.6
37.5°	377.9	412.8	425.1	447.7	515.4	1488.8	4314.5	6004.6	6154.5	6101.1
40°	355.3	392.2	410.7	423.0	494.9	1404.6	4803.3	6536.5	6663.8	6594.0
42.5°	334.7	363.5	390.2	404.6	482.6	1256.8	5195.5	7105.3	7257.3	7195.7
45°	314.2	338.8	355.3	382.0	490.8	1154.1	5532.3	7768.6	8035.6	7990.4
47.5°	293.7	314.2	324.5	365.5	546.2	1106.9	5737.7	8795.4	9298.5	9261.6
50°	271.1	295.7	295.7	361.4	628.4	1123.3	5916.3	10282.2	11060.5	11048.2
52.5°	248.5	275.2	271.1	392.2	692.1	1199.3	6119.6	11594.4	12947.7	13060.7
55°	225.9	250.5	254.6	453.8	729.0	1265.0	5333.1	12146.8	14559.8	14956.1
57.5°	201.2	215.6	264.9	501.1	716.7	1456.0	3653.3	12247.5	15588.6	16438.8
60°	174.6	186.9	299.8	490.8	677.7	1345.1	2300.0	11343.9	15442.8	16520.9
62.5°	152.0	172.5	316.2	433.3	690.0	1166.4	1466.2	9668.2	14052.6	15282.6
65°	133.5	166.3	287.5	392.2	698.2	790.6	989.8	7865.2	12695.1	13865.7
67.5°	119.1	184.8	236.2	349.1	599.6	556.5	679.7	6111.4	10674.4	11723.8
70°	108.8	188.9	193.0	299.8	464.1	357.3	447.7	4113.3	7357.9	8557.2
72.5°	98.6	139.6	145.8	240.3	299.8	217.7	289.6	2353.4	5363.9	6181.2
75°	94.5	94.5	100.6	156.1	166.3	158.1	186.9	1404.6	3846.3	4443.9
77.5°	88.3	71.9	63.7	100.6	90.4	112.9	110.9	624.3	1667.5	1803.0
80°	69.8	51.3	43.1	63.7	61.6	76.0	65.7	51.3	76.0	73.9
82.5°	43.1	32.9	30.8	39.0	34.9	39.0	30.8	8.2	8.2	8.2
85°	20.5	18.5	16.4	16.4	18.5	16.4	12.3	4.1	2.1	2.1
87.5°	10.3	10.3	8.2	6.2	8.2	8.2	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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