

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: P628638

Luminaire Tested: GWS-SA1A-722-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628638
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1268.3 lumens
Efficiency: N/A
Efficacy: 64.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

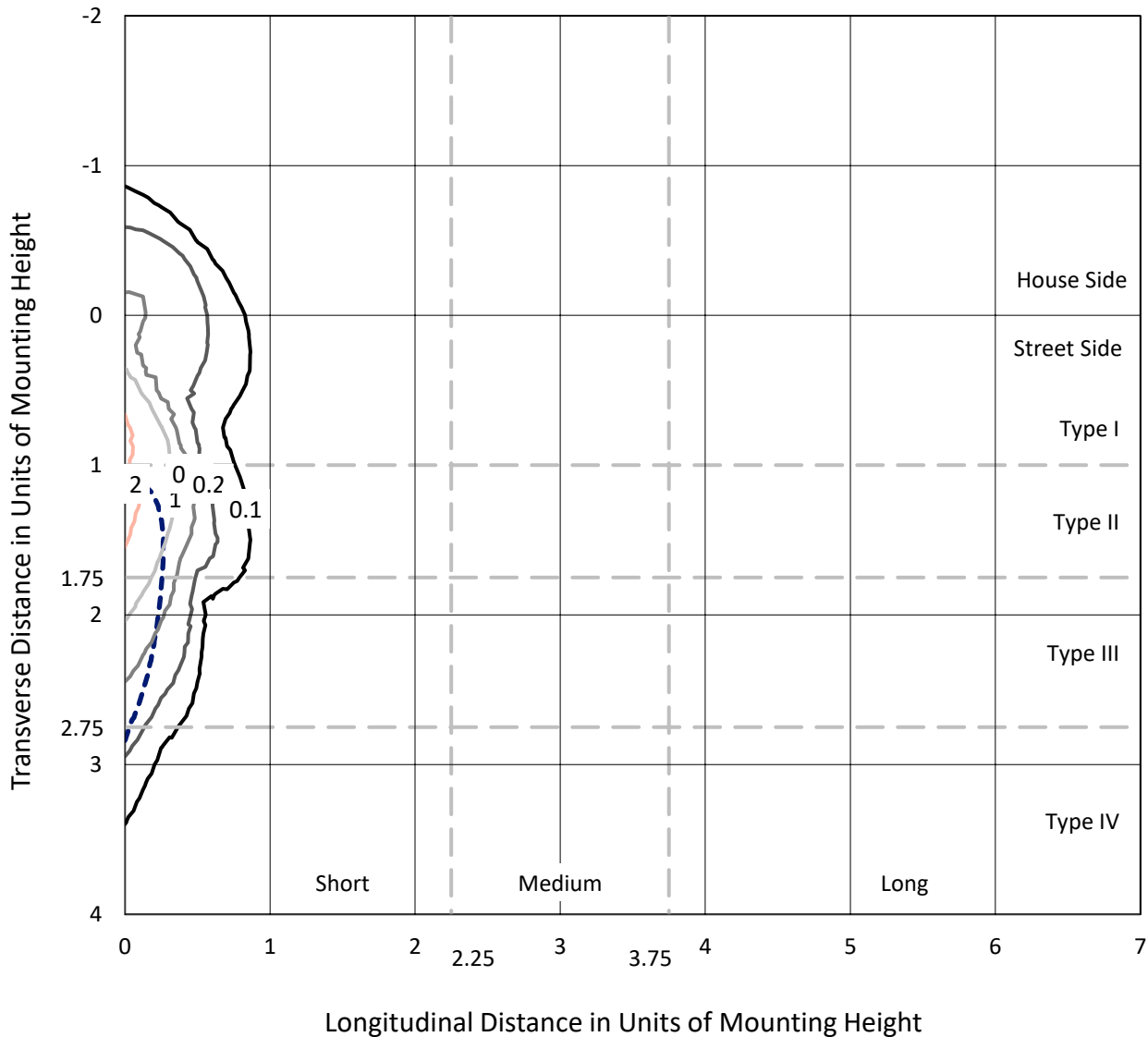
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

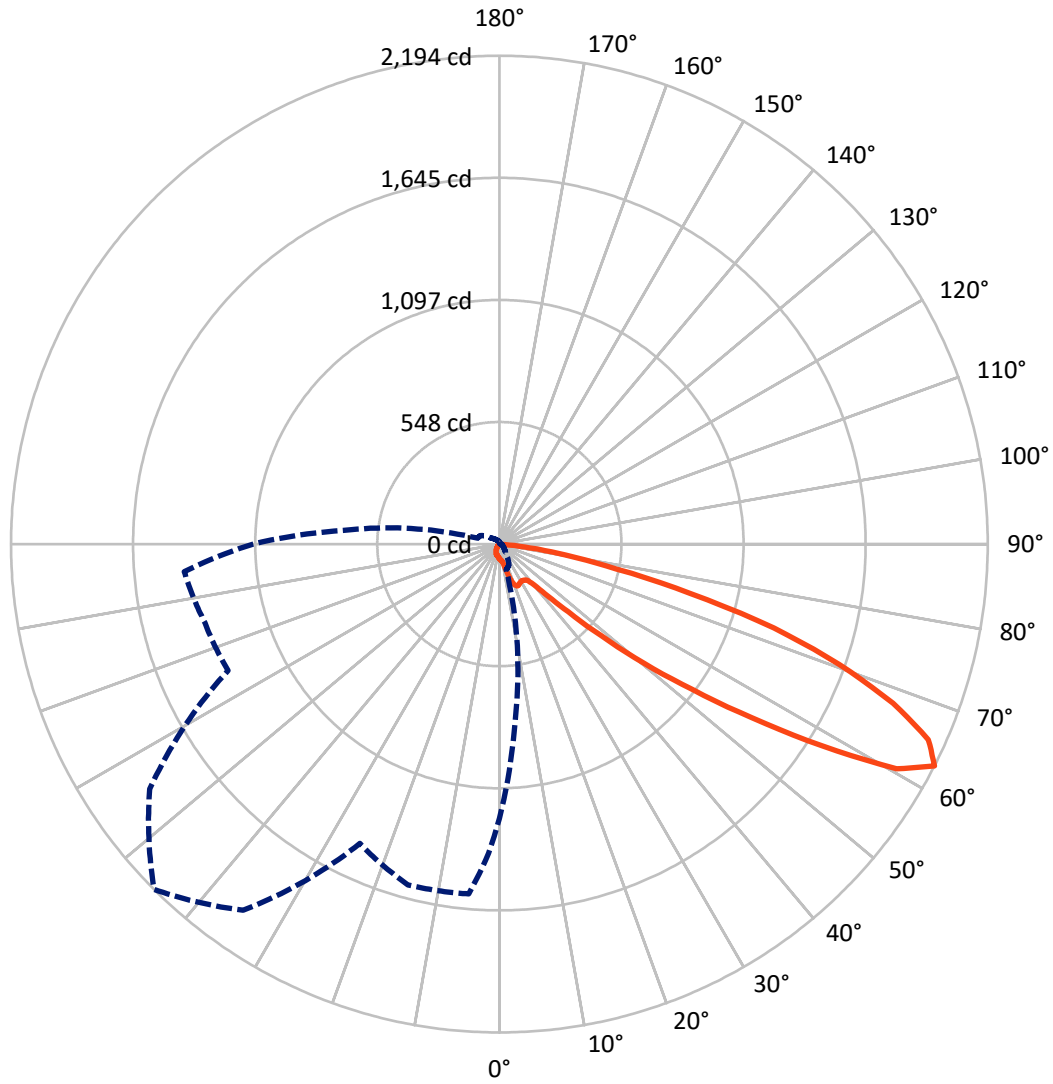
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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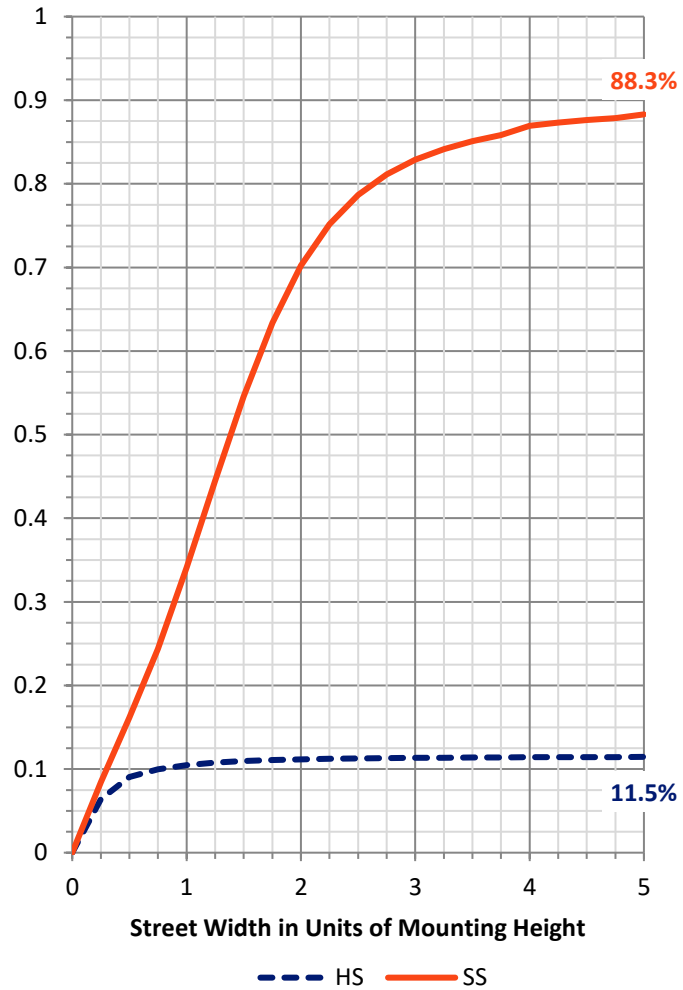
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	147.4	0.0	147.4
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	1121.0	0.0	1121.0
	% Fixture	88.4	0.0	88.4
Total	Lumens	1268.3	0.0	1268.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.4
10°-20°	19.5	1.5
20°-30°	44.0	3.5
30°-40°	75.8	6.0
40°-50°	142.9	11.3
50°-60°	319.1	25.2
60°-70°	426.8	33.7
70°-80°	214.0	16.9
80°-90°	20.5	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°	1268.3	100.0
0°-180°	1268.3	100.0

Coefficient of Utilization



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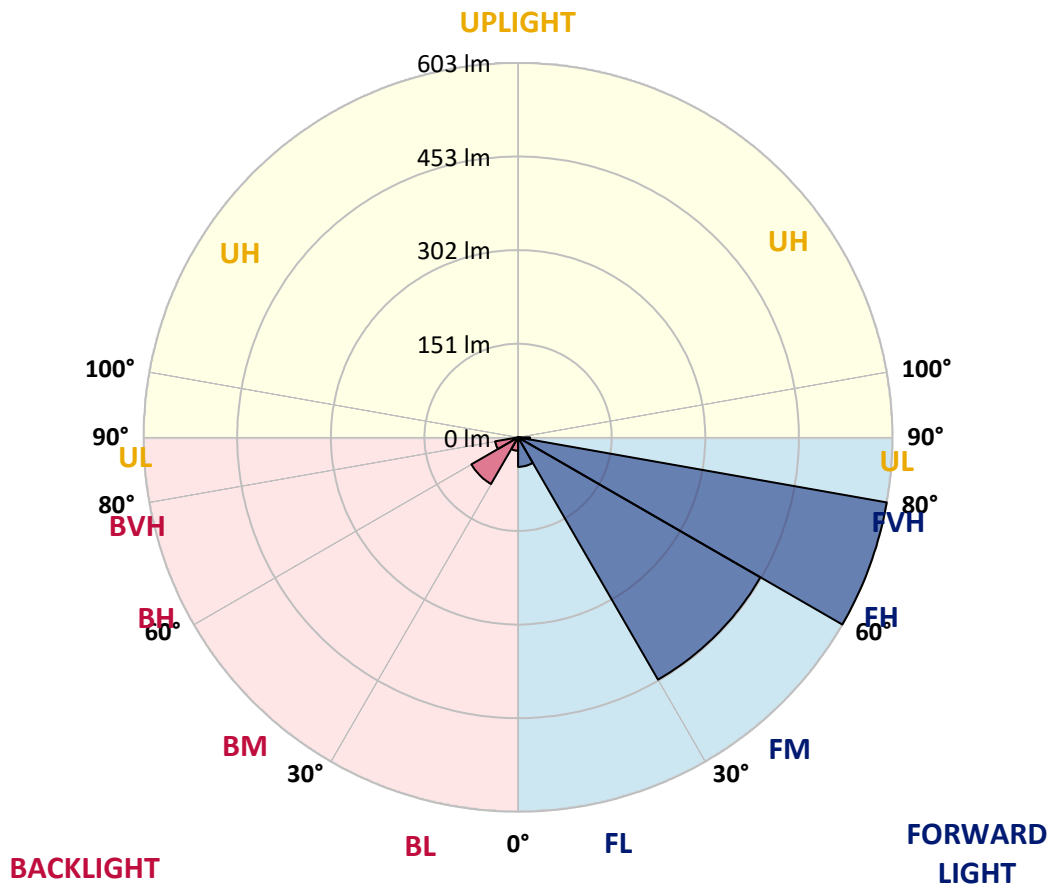
CATALOG NUMBER: GWS-SA1A-722-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	47.5	3.7			
FM (30°-60°)	450.9	35.6			
FH (60°-80°)	603.4	47.6			G0/660
FVH (80°-90°)	19.2	1.5			G1/100
BL (0°-30°)	21.6	1.7	B0/110		
BM (30°-60°)	86.9	6.9	B0/220		
BH (60°-80°)	37.5	3.0	B0/110		G0/110
BVH (80°-90°)	1.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
2.5°	65.0	64.9	64.6	63.7	62.9	62.5	61.6	61.6	61.4	61.1	60.5
5°	62.9	62.3	61.7	60.1	58.3	57.2	56.0	55.9	55.9	55.6	55.4
7.5°	59.6	59.0	58.3	55.6	53.9	52.9	51.8	51.7	51.2	51.2	51.2
10°	57.8	56.9	55.7	52.7	51.1	50.2	49.4	49.0	48.7	48.2	48.1
12.5°	61.7	60.1	57.5	52.1	49.9	48.7	47.8	47.5	46.6	46.0	45.5
15°	73.9	69.8	64.7	53.5	49.4	47.6	46.4	45.8	45.1	44.0	43.2
17.5°	93.9	88.0	79.4	57.8	49.0	46.7	45.2	44.2	43.1	41.9	41.0
20°	121.5	112.8	102.6	65.8	49.0	45.7	43.9	42.5	41.0	39.6	38.6
22.5°	156.6	147.9	130.5	79.3	49.6	44.3	42.2	40.4	38.6	37.4	36.2
25°	196.0	183.7	167.4	95.7	51.2	42.5	40.2	38.4	36.8	35.3	33.9
27.5°	239.8	226.5	204.8	118.9	54.8	40.7	38.1	36.5	35.0	33.5	31.7
30°	280.2	272.3	250.2	146.9	60.7	39.5	36.5	35.0	33.5	31.5	29.9
32.5°	328.7	314.6	296.4	178.7	68.5	38.3	35.1	33.0	31.8	30.0	28.2
35°	377.5	365.5	341.6	217.9	77.2	37.1	33.5	31.5	30.5	28.4	26.4
37.5°	427.8	425.1	401.6	261.3	85.7	35.7	31.5	30.3	29.3	26.9	24.6
40°	477.4	472.4	450.7	310.9	91.0	34.2	29.9	29.1	27.9	25.2	22.7
42.5°	524.9	521.1	499.9	358.3	90.3	32.9	28.2	27.3	26.4	23.7	20.6
45°	583.1	577.0	550.2	393.5	82.6	34.4	26.6	25.1	24.9	22.4	18.5
47.5°	692.1	671.9	626.5	420.5	74.9	38.3	24.8	23.0	24.0	21.0	16.4
50°	844.9	821.0	755.4	441.5	74.8	43.4	24.5	21.0	23.3	20.0	14.6
52.5°	998.4	956.3	876.6	452.8	80.3	47.2	27.2	19.1	22.4	18.9	13.2
55°	1145.4	1058.1	927.3	415.5	84.7	51.2	32.1	18.0	20.7	17.7	12.5
57.5°	1285.5	1140.0	949.4	328.7	99.3	52.9	35.1	18.5	18.3	16.2	11.9
60°	1304.7	1136.1	904.8	191.2	109.5	50.0	33.9	20.6	16.1	14.4	10.8
62.5°	1232.0	1060.5	803.1	119.2	101.7	49.0	30.2	23.4	14.6	12.8	9.5
65°	1121.6	942.0	669.6	76.9	77.0	54.4	26.4	23.0	13.7	11.3	8.1
67.5°	949.1	788.4	527.6	51.5	43.6	46.4	23.1	15.8	13.4	9.6	6.3
70°	692.7	561.2	343.4	34.4	26.0	37.1	19.4	11.3	12.6	8.0	4.5
72.5°	506.4	377.1	191.8	22.5	14.7	21.6	14.3	8.1	9.8	5.9	3.2
75°	364.5	259.5	109.5	14.4	9.8	11.9	9.3	5.6	6.3	4.7	2.9
77.5°	175.4	126.4	49.7	8.0	6.6	6.0	5.0	3.5	3.9	4.2	2.6
80°	6.6	5.0	3.8	3.9	4.2	2.7	2.3	1.8	2.3	2.9	1.4
82.5°	0.0	0.0	0.0	0.5	0.6	0.8	0.9	0.8	0.9	1.1	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
2.5°	61.0	60.7	61.0	61.3	61.6	61.9	61.4	61.7	62.0	61.3	61.6
5°	56.2	56.0	56.9	57.4	58.0	58.3	58.0	58.0	57.8	56.9	56.9
7.5°	52.0	52.1	52.9	53.9	54.7	55.1	54.8	54.7	54.2	52.9	52.9
10°	48.8	48.8	50.0	50.9	52.0	52.4	52.1	51.7	51.2	49.9	49.7
12.5°	46.3	46.3	47.2	48.7	49.9	50.5	50.3	49.7	49.0	47.6	47.5
15°	43.9	43.7	45.1	46.4	48.1	48.8	48.5	48.1	46.7	45.5	45.2
17.5°	41.4	41.3	42.5	44.3	46.1	47.2	47.0	46.0	44.8	43.2	42.9
20°	39.0	38.7	40.2	42.0	43.9	44.9	44.6	43.7	42.2	40.7	40.4
22.5°	36.6	36.5	37.5	39.0	40.7	41.6	41.4	40.7	39.2	37.8	37.8
25°	33.9	33.9	34.7	35.7	36.9	37.4	37.5	37.2	36.3	35.6	35.6
27.5°	31.7	31.2	31.5	31.8	32.4	33.2	33.2	33.5	33.6	33.3	33.5
30°	29.9	29.1	28.7	28.1	27.8	28.1	28.4	29.4	30.5	31.1	31.4
32.5°	27.8	26.9	25.7	24.0	23.0	22.7	23.6	25.5	27.5	28.8	29.6
35°	25.7	24.5	22.2	19.8	18.5	18.0	19.1	21.3	24.2	26.6	27.6
37.5°	23.6	21.9	18.8	15.9	14.4	14.1	15.2	17.6	20.9	24.2	25.5
40°	21.2	19.2	15.5	12.5	11.3	11.0	11.9	14.3	17.7	21.5	23.6
42.5°	18.8	16.4	12.5	9.9	8.7	8.7	9.9	11.7	14.9	18.9	21.5
45°	16.4	13.8	10.2	8.0	7.2	7.4	8.1	9.9	12.5	16.7	19.1
47.5°	14.1	11.9	8.4	6.6	6.0	6.2	7.1	8.6	10.7	14.4	17.0
50°	12.2	10.1	7.4	5.6	5.1	5.4	6.3	7.7	9.5	12.8	14.9
52.5°	11.0	9.0	6.8	4.8	4.5	4.8	5.7	6.9	8.6	11.3	13.4
55°	10.4	8.9	6.8	4.4	3.9	4.2	5.1	6.3	7.7	10.2	12.0
57.5°	10.2	9.2	7.2	3.9	3.3	3.6	4.5	5.7	7.1	9.3	10.8
60°	9.6	8.7	7.1	3.2	2.6	3.0	3.8	5.0	6.5	8.7	10.1
62.5°	8.4	7.7	6.2	2.6	2.0	2.3	3.2	4.4	5.9	8.0	9.5
65°	6.9	6.2	4.8	1.7	1.2	1.5	2.4	3.8	5.1	7.2	8.6
67.5°	5.1	4.4	3.3	1.1	0.6	1.1	2.0	3.2	4.7	6.5	7.8
70°	3.2	2.6	1.8	0.6	0.5	0.9	1.8	3.0	4.2	6.0	7.4
72.5°	1.8	1.2	0.8	0.3	0.5	0.9	1.8	3.0	4.1	5.7	6.9
75°	1.4	0.8	0.3	0.2	0.3	0.8	1.7	2.7	3.9	5.4	6.6
77.5°	0.9	0.5	0.2	0.0	0.2	0.6	1.5	2.6	3.6	5.1	6.3
80°	0.2	0.0	0.0	0.0	0.0	0.5	1.4	2.3	3.3	4.5	5.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	1.1	2.0	2.9	3.8	4.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.5	2.3	2.9	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.8	2.1
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°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
2.5°	61.4	62.3	62.3	62.9	63.7	65.0	65.8	66.8	67.6	68.3	68.6
5°	56.8	56.9	57.1	57.4	58.3	59.8	61.1	62.8	64.7	66.2	67.1
7.5°	52.9	52.9	52.9	53.3	54.2	55.3	56.6	58.9	61.1	62.9	64.4
10°	49.6	50.0	50.2	50.9	52.0	53.3	54.8	56.8	59.3	61.7	64.4
12.5°	47.5	47.9	48.7	49.4	50.5	52.0	53.6	56.2	61.4	66.4	72.1
15°	45.5	46.1	47.0	48.1	49.3	50.9	52.7	58.0	70.3	79.6	88.6
17.5°	43.4	44.3	45.5	46.6	48.1	49.9	52.1	62.3	86.5	102.0	117.3
20°	40.7	41.9	43.2	44.9	46.7	48.8	52.1	71.3	109.9	132.2	152.4
22.5°	38.1	39.3	41.0	43.1	45.2	47.3	52.9	85.0	140.1	168.2	193.9
25°	36.0	37.5	39.2	41.0	43.4	45.8	54.7	104.2	176.5	212.6	230.8
27.5°	34.1	35.9	37.5	39.0	41.1	43.9	58.7	129.9	219.4	256.2	270.5
30°	32.1	34.2	35.9	37.4	39.5	42.3	64.9	162.6	267.2	302.9	304.4
32.5°	30.5	32.4	34.4	35.9	37.8	41.1	73.4	200.9	316.1	350.7	336.5
35°	28.7	30.9	32.7	34.4	36.5	40.1	83.3	242.2	365.5	394.5	368.5
37.5°	26.9	29.4	31.7	32.9	35.0	39.0	90.6	285.3	416.0	437.3	396.6
40°	25.2	28.1	30.6	31.8	32.9	37.7	91.6	329.5	467.2	479.5	423.0
42.5°	23.4	26.6	28.8	30.5	31.4	36.8	85.3	366.7	510.1	521.6	457.6
45°	21.5	25.2	27.0	28.2	30.0	37.4	77.2	395.6	559.2	578.9	514.5
47.5°	19.5	23.7	25.2	26.1	28.5	41.0	74.2	414.8	640.2	681.0	610.5
50°	17.7	22.4	24.0	23.9	28.2	45.7	77.5	429.3	761.8	809.9	742.0
52.5°	15.8	20.9	22.8	22.2	30.5	49.3	84.1	440.9	855.4	961.0	918.8
55°	14.1	19.2	21.0	20.9	34.7	52.0	89.2	379.9	894.1	1101.4	1117.9
57.5°	12.9	17.4	18.9	21.5	37.4	52.0	103.2	269.7	894.9	1204.7	1382.2
60°	11.9	15.8	16.8	23.6	36.3	49.3	102.1	165.2	824.8	1197.6	1522.8
62.5°	11.0	14.3	15.6	24.2	32.1	48.8	92.2	102.4	703.4	1106.5	1420.8
65°	10.2	13.1	15.0	22.2	29.1	52.3	62.2	73.6	570.5	1002.6	1303.8
67.5°	9.5	12.0	15.9	18.2	26.4	46.7	44.9	52.3	447.8	888.6	1196.4
70°	8.9	11.4	16.8	14.9	23.1	36.5	31.8	39.6	342.8	741.4	1045.2
72.5°	8.4	10.7	14.1	11.7	18.8	28.2	22.2	28.8	224.1	578.8	852.1
75°	8.0	9.8	10.4	9.5	14.0	18.5	16.8	19.4	133.5	423.0	646.5
77.5°	7.8	9.2	8.4	7.7	9.5	11.0	12.8	13.1	65.2	211.6	338.8
80°	6.9	8.3	7.2	6.3	6.5	7.2	9.5	8.7	14.9	53.8	90.4
82.5°	5.4	6.5	6.0	5.3	5.3	5.3	6.3	5.9	4.8	24.2	40.8
85°	3.8	4.5	4.5	4.2	4.1	4.1	3.9	3.8	1.4	1.5	2.3
87.5°	2.6	3.2	3.3	3.2	2.7	2.4	2.1	1.8	0.6	0.0	0.3
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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
2.5°	69.7	70.1	70.1	69.5	69.1	67.9	66.7	65.5	65.2	65.0
5°	69.7	71.5	72.4	72.2	71.2	69.2	66.7	64.0	63.2	62.9
7.5°	68.6	72.1	74.8	75.2	73.3	69.8	65.2	61.1	60.1	59.6
10°	71.0	77.8	83.2	83.9	81.7	74.9	67.4	60.5	58.9	57.8
12.5°	83.9	95.1	101.7	104.8	100.5	91.9	79.4	67.1	63.4	61.7
15°	110.1	125.8	138.5	138.5	134.4	119.2	103.5	83.5	78.4	73.9
17.5°	143.6	163.4	174.5	173.3	167.1	156.5	137.6	108.9	98.5	93.9
20°	181.7	193.6	196.1	195.4	192.7	186.5	173.5	142.7	128.7	121.5
22.5°	214.7	211.6	207.8	204.8	204.1	205.9	204.1	180.4	169.4	156.6
25°	237.1	219.3	208.0	202.6	205.1	215.5	226.8	217.9	209.2	196.0
27.5°	249.3	218.4	202.1	196.6	200.9	215.6	240.1	255.1	246.1	239.8
30°	255.9	217.6	198.4	193.0	199.6	218.1	249.4	290.0	290.3	280.2
32.5°	265.4	222.4	199.1	194.2	203.0	225.3	261.2	325.4	334.1	328.7
35°	276.0	229.8	202.6	198.1	209.0	234.9	274.2	361.2	379.3	377.5
37.5°	286.1	238.0	210.7	206.3	218.2	243.1	286.8	396.3	421.5	427.8
40°	296.6	249.6	235.6	239.8	246.4	256.2	298.1	426.8	467.9	477.4
42.5°	321.4	289.7	311.0	319.0	319.9	299.7	322.7	465.8	513.6	524.9
45°	376.6	361.0	422.1	433.4	427.5	366.6	382.0	522.2	577.4	583.1
47.5°	446.5	453.7	574.3	613.2	578.0	445.4	454.0	640.6	694.3	692.1
50°	527.9	561.9	747.0	838.7	754.6	547.8	536.9	786.3	851.3	844.9
52.5°	624.1	687.8	954.5	1084.9	1005.3	663.0	658.5	979.3	1018.9	998.4
55°	745.3	809.3	1193.3	1375.4	1262.2	803.6	819.0	1203.0	1210.7	1145.4
57.5°	926.1	967.7	1474.7	1708.7	1530.4	994.6	1106.8	1500.8	1409.2	1285.5
60°	1254.4	1171.5	1746.7	2049.6	1815.7	1263.3	1486.3	1677.3	1475.3	1304.7
62.5°	1368.7	1344.5	1917.0	2193.7	2007.7	1483.9	1584.9	1577.3	1389.7	1232.0
65°	1195.5	1301.4	1886.5	2117.6	1983.0	1447.5	1422.3	1466.9	1293.3	1121.6
67.5°	1104.4	1200.2	1771.0	1907.5	1846.5	1324.2	1267.8	1255.6	1085.8	949.1
70°	1012.5	1107.4	1603.5	1620.5	1592.1	1123.3	1049.1	967.6	811.5	692.7
72.5°	901.9	954.2	1371.2	1290.7	1258.6	882.3	866.6	728.6	608.4	506.4
75°	786.6	771.4	1069.1	885.9	909.9	686.4	731.9	535.1	445.7	364.5
77.5°	572.2	560.9	716.0	538.1	595.9	449.6	404.0	213.5	203.3	175.4
80°	319.3	384.9	386.7	301.5	376.2	293.1	101.1	7.1	4.5	6.6
82.5°	148.4	165.5	209.6	139.8	214.6	145.2	20.9	0.0	0.0	0.0
85°	48.1	70.3	58.9	20.6	52.0	49.1	3.5	0.0	0.0	0.0
87.5°	2.9	5.9	1.5	0.0	0.0	0.0	0.0	0.0	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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