

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: P629136

Luminaire Tested: GWS-SA1B-722-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2065.5 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

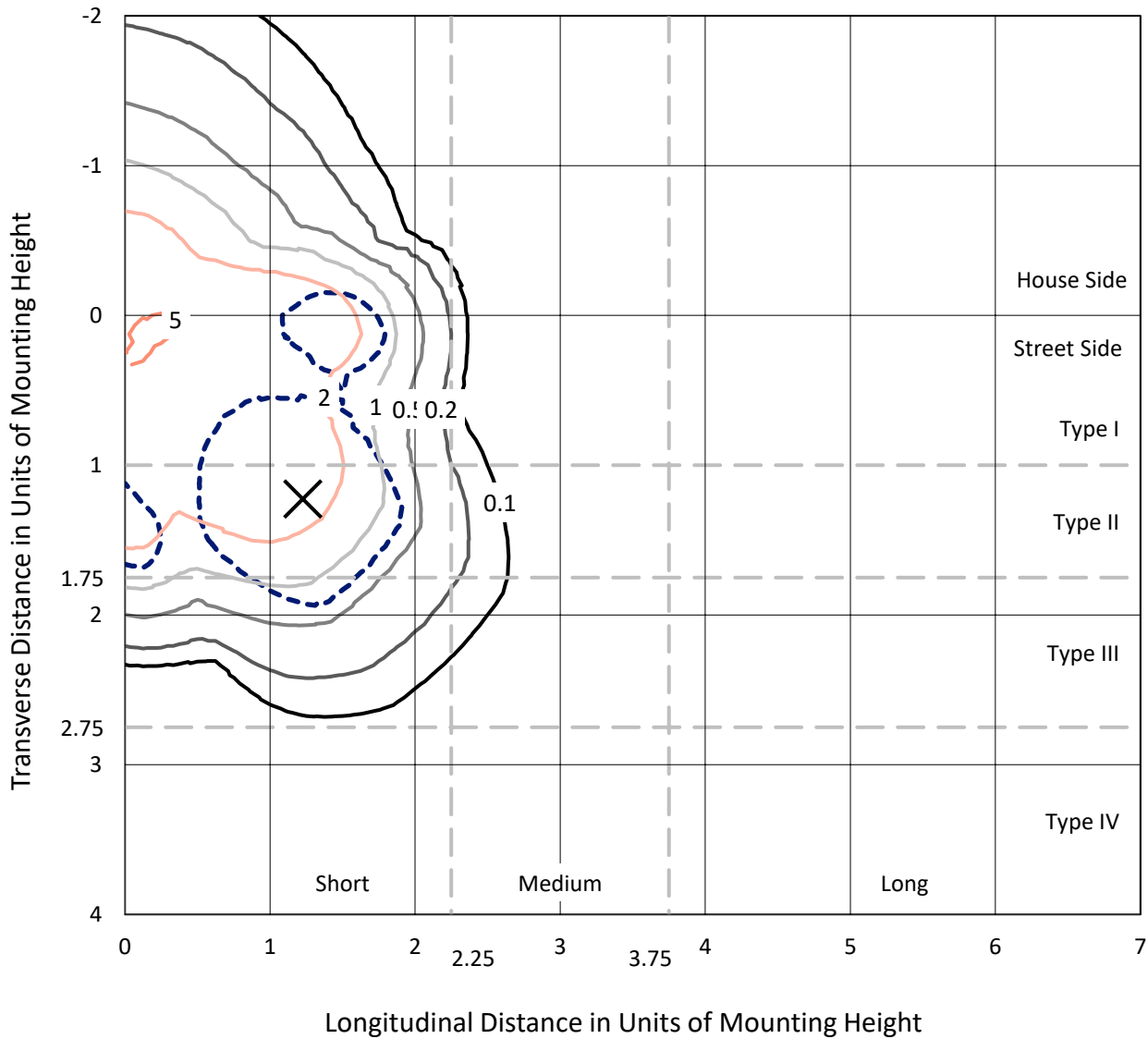
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

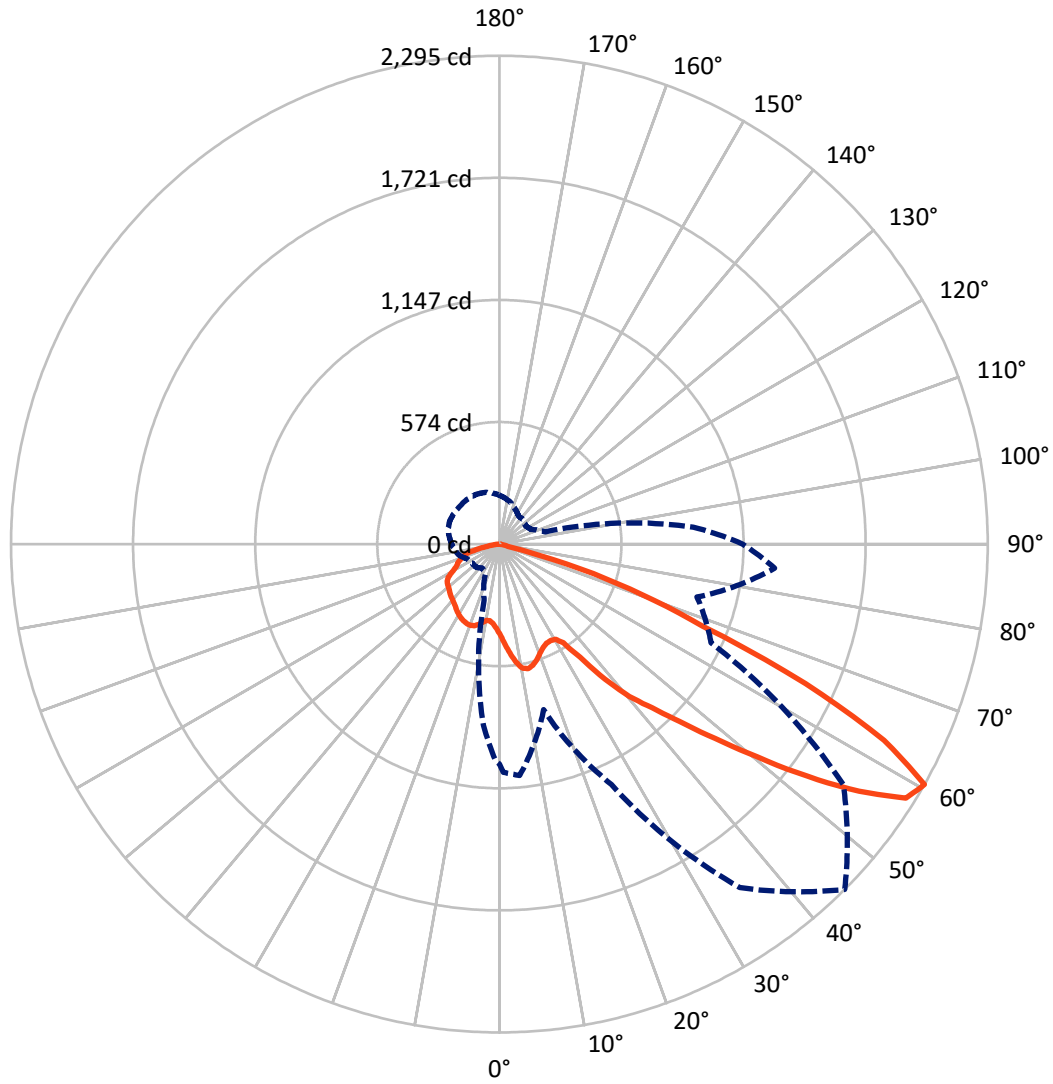
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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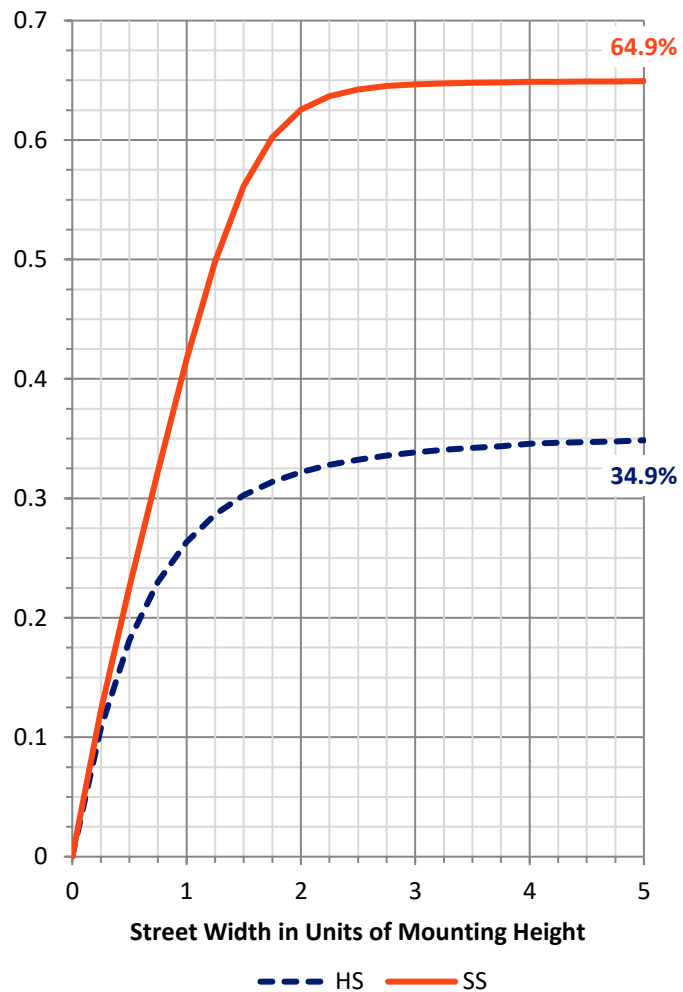
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	724.0	0.0	724.0
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	1341.5	0.0	1341.5
	% Fixture	64.9	0.0	64.9
Total	Lumens	2065.5	0.0	2065.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	2.0
10°-20°	130.8	6.3
20°-30°	212.5	10.3
30°-40°	299.7	14.5
40°-50°	414.2	20.1
50°-60°	533.2	25.8
60°-70°	337.8	16.4
70°-80°	86.7	4.2
80°-90°	9.3	0.4
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°	2065.5	100.0
0°-180°	2065.5	100.0

Coefficient of Utilization



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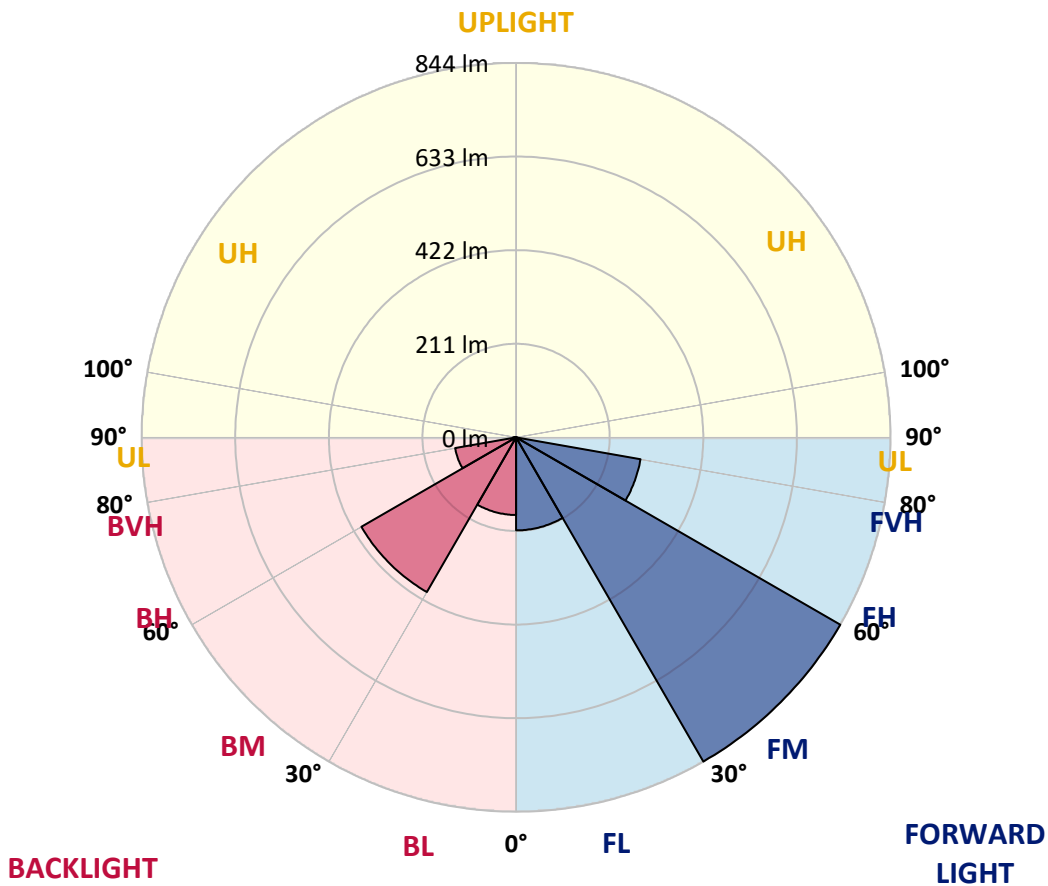
CATALOG NUMBER: GWS-SA1B-722-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	209.7	10.2			
FM (30°-60°)	844.3	40.9			
FH (60°-80°)	285.0	13.8			G0/660
FVH (80°-90°)	2.5	0.1			G0/10
BL (0°-30°)	175.0	8.5	B1/500		
BM (30°-60°)	402.8	19.5	B1/1000		
BH (60°-80°)	139.5	6.8	B1/500		G1/500
BVH (80°-90°)	6.8	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3
2.5°	443.8	446.8	448.7	452.3	458.8	462.4	466.3	462.0	463.1	462.5	455.5
5°	470.1	473.7	478.6	489.2	501.2	507.8	514.0	513.1	507.2	497.4	490.4
7.5°	494.7	498.9	507.4	524.6	542.2	552.4	560.0	555.1	550.2	534.7	517.1
10°	514.0	516.5	528.0	551.1	571.6	583.1	592.4	591.2	584.4	567.0	543.4
12.5°	532.2	533.9	546.4	569.5	587.8	592.9	600.5	603.0	600.7	587.6	564.4
15°	551.7	554.9	566.4	584.0	592.4	587.1	589.7	596.5	603.0	603.0	581.6
17.5°	569.9	572.7	584.4	592.0	584.0	570.0	570.8	579.5	594.8	610.9	597.3
20°	585.9	588.6	600.1	592.9	567.8	547.3	546.8	557.4	582.2	616.0	614.1
22.5°	603.5	607.3	617.0	593.7	552.6	526.7	526.5	537.5	571.0	621.1	633.4
25°	628.5	634.4	639.3	600.3	544.5	513.3	515.7	526.1	567.4	629.5	662.0
27.5°	665.6	670.3	670.0	614.1	544.1	507.8	512.9	525.0	573.8	644.2	692.1
30°	705.7	708.2	704.2	633.4	552.8	511.2	518.8	533.1	590.1	668.6	736.4
32.5°	750.2	753.2	745.7	662.4	573.1	536.4	553.0	560.0	613.0	703.8	783.3
35°	801.3	807.2	791.5	700.6	632.7	628.1	652.4	643.3	661.6	745.5	833.5
37.5°	855.1	855.3	832.7	757.2	749.6	757.4	805.9	777.5	764.8	791.9	884.6
40°	900.7	899.5	864.9	833.5	851.5	882.3	940.8	897.3	864.0	854.1	927.0
42.5°	946.3	942.1	907.1	881.9	921.7	985.1	1051.1	997.8	927.5	910.7	968.8
45°	1004.6	1003.3	961.0	901.2	985.1	1100.2	1187.8	1101.3	965.2	943.6	1038.5
47.5°	1098.6	1092.2	1013.7	899.7	1044.5	1253.4	1364.2	1231.7	991.5	944.4	1150.9
50°	1190.6	1182.7	1076.5	899.5	1105.8	1412.4	1572.3	1390.1	1018.4	948.9	1265.2
52.5°	1283.5	1283.5	1179.6	920.9	1170.2	1589.9	1812.9	1587.5	1064.2	1008.4	1405.8
55°	1338.8	1353.6	1295.7	957.1	1245.5	1798.9	2050.8	1800.6	1135.0	1115.7	1535.6
57.5°	1268.6	1296.2	1287.9	931.9	1290.0	1952.4	2252.5	1962.2	1170.0	1128.4	1516.1
60°	1033.7	1072.1	1091.3	804.7	1246.1	1970.2	2294.7	1972.8	1097.7	960.9	1298.7
62.5°	687.2	718.8	747.9	575.0	1078.8	1772.4	2029.6	1773.0	916.8	717.1	899.7
65°	337.1	360.5	392.0	339.9	842.8	1480.9	1582.4	1432.7	663.2	401.4	458.9
67.5°	88.2	94.8	99.2	131.9	603.7	1064.0	1032.0	1047.9	426.0	131.2	120.0
70°	45.8	46.2	46.0	54.5	408.0	676.2	711.2	658.0	297.3	54.9	47.3
72.5°	32.7	32.9	32.4	36.7	197.0	387.4	401.4	397.1	155.8	32.6	32.4
75°	21.4	21.6	21.2	21.6	29.7	44.1	40.7	42.8	25.9	20.6	20.6
77.5°	12.7	12.9	12.7	13.1	12.7	12.7	11.7	11.7	11.2	11.2	11.4
80°	8.5	8.5	8.3	8.7	7.9	7.9	7.6	7.4	6.8	6.6	6.6
82.5°	5.1	5.3	5.1	5.1	4.7	4.7	4.4	4.2	3.6	3.6	3.4
85°	2.6	2.6	2.5	2.5	2.1	1.9	1.5	1.5	1.1	0.9	0.9
87.5°	0.4	0.4	0.2	0.2	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°	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3
2.5°	453.6	449.9	444.2	438.7	433.6	428.3	422.2	416.0	410.7	405.2	402.4
5°	481.1	473.3	458.6	445.5	433.8	424.1	413.7	404.8	396.5	389.7	386.3
7.5°	505.9	493.8	471.4	450.8	434.9	421.7	407.3	394.0	382.9	374.5	371.3
10°	528.8	514.4	485.1	458.9	440.4	425.6	408.0	390.1	375.3	364.3	361.7
12.5°	547.3	530.9	495.9	465.6	443.6	427.7	412.2	396.7	382.1	367.9	365.6
15°	563.8	544.3	504.0	469.7	442.5	422.2	409.2	407.3	407.3	391.2	386.7
17.5°	578.0	556.6	510.6	471.6	435.3	406.0	398.0	414.5	433.0	421.5	411.3
20°	594.3	568.3	516.1	471.6	422.0	385.3	384.6	412.6	440.0	440.2	429.4
22.5°	610.7	582.0	522.5	469.9	403.9	361.5	375.5	405.0	429.4	439.8	432.5
25°	637.4	600.9	532.8	468.6	382.7	345.2	367.3	395.0	415.6	426.6	421.9
27.5°	671.3	625.9	548.3	470.7	361.7	335.6	358.6	381.9	400.7	410.3	406.9
30°	709.1	654.6	564.9	474.3	346.5	330.6	348.2	367.0	383.6	393.3	391.8
32.5°	757.4	685.9	579.3	469.4	338.0	328.2	337.3	350.7	366.8	372.8	374.2
35°	815.1	720.3	590.3	450.1	330.3	325.5	325.3	333.7	345.0	354.7	355.6
37.5°	868.3	760.6	602.4	416.9	316.2	318.9	311.3	316.2	327.4	337.1	340.9
40°	920.9	801.5	619.2	374.7	297.9	304.1	295.2	298.6	307.5	320.2	326.3
42.5°	972.0	838.4	637.0	331.6	279.5	283.5	276.9	280.3	289.6	305.5	312.3
45°	1027.7	888.4	650.9	290.9	263.6	261.9	256.6	261.6	275.6	293.0	301.1
47.5°	1132.9	967.1	659.9	263.8	255.1	242.8	236.8	247.4	263.3	280.9	290.7
50°	1261.4	1081.0	657.3	246.6	247.7	223.1	221.1	235.1	252.1	270.4	281.2
52.5°	1363.2	1192.9	627.2	230.1	233.4	210.6	204.6	225.0	241.3	260.0	271.2
55°	1441.0	1230.5	534.8	210.6	209.9	201.6	188.9	214.6	230.5	247.9	260.0
57.5°	1377.6	1146.7	396.5	183.8	179.2	183.6	171.3	197.0	217.3	234.5	245.3
60°	1143.3	914.3	220.9	162.8	149.9	160.5	158.6	178.5	202.9	221.1	230.3
62.5°	776.1	608.8	131.0	128.7	121.5	136.6	146.7	159.7	183.8	198.5	207.2
65°	386.8	295.8	87.1	96.3	97.3	112.4	131.3	145.7	165.8	180.9	189.6
67.5°	112.2	92.0	66.2	73.6	83.8	96.0	111.1	128.1	147.6	165.6	175.8
70°	48.4	49.0	52.6	61.3	71.3	83.8	99.0	115.6	132.1	145.9	153.7
72.5°	34.3	35.6	39.6	48.4	57.9	69.8	85.0	101.1	113.0	127.0	135.1
75°	22.0	22.9	26.1	32.9	39.9	51.5	65.9	80.6	92.9	103.0	110.7
77.5°	12.1	12.3	15.0	18.9	23.7	31.0	41.6	53.2	62.3	67.9	74.9
80°	7.0	7.0	8.3	10.8	13.6	18.2	24.0	29.7	35.2	38.8	42.2
82.5°	3.8	3.8	4.4	5.9	7.4	10.0	13.4	16.3	19.7	21.6	23.8
85°	1.1	1.1	1.5	2.1	2.6	3.8	5.3	6.8	8.3	9.7	11.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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°	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3
2.5°	401.8	399.1	397.6	395.7	396.3	394.6	393.7	394.2	390.8	394.2	397.6
5°	384.9	381.2	378.1	375.7	374.5	372.3	370.9	370.9	368.9	372.3	376.4
7.5°	370.2	367.2	365.6	364.1	362.4	360.3	358.1	357.3	356.0	359.6	363.2
10°	360.3	360.7	361.7	363.8	363.4	362.0	358.6	356.7	356.7	360.9	366.4
12.5°	364.9	368.9	371.1	374.9	375.7	374.5	371.1	369.6	373.4	379.6	388.7
15°	382.5	385.1	387.0	390.1	389.9	388.9	386.3	387.4	399.9	412.0	420.2
17.5°	401.6	398.6	398.2	400.1	400.7	399.5	398.0	403.1	423.7	435.1	439.3
20°	415.4	405.0	402.7	403.5	405.0	404.4	404.4	412.8	434.2	439.5	434.2
22.5°	419.6	404.8	401.4	401.6	403.7	403.9	404.8	413.5	426.0	426.2	418.1
25°	413.0	398.8	396.3	396.7	399.1	399.0	399.3	404.3	409.7	407.5	401.4
27.5°	400.5	388.2	387.4	389.5	392.7	391.0	389.9	391.2	393.8	391.0	385.7
30°	386.3	375.9	376.2	380.2	383.6	380.8	377.9	378.7	378.9	375.9	369.8
32.5°	371.3	363.6	364.9	369.1	373.0	370.0	367.0	366.6	363.0	359.4	353.5
35°	356.4	353.3	355.0	358.5	361.9	359.4	357.5	356.4	348.6	343.3	338.4
37.5°	342.7	345.0	348.0	350.1	351.3	351.1	349.9	347.3	337.1	330.8	324.4
40°	330.6	337.6	340.9	341.8	343.5	343.1	342.9	339.1	325.7	319.1	311.7
42.5°	319.7	329.5	335.0	335.9	336.9	337.1	336.5	331.0	315.7	307.9	300.9
45°	309.1	321.9	328.9	328.0	329.3	329.3	329.9	322.7	305.8	297.9	290.5
47.5°	299.8	314.9	321.4	320.2	321.0	321.5	322.1	313.8	295.1	287.5	279.9
50°	291.3	307.4	312.8	313.2	313.2	314.5	314.4	306.2	286.0	277.8	270.3
52.5°	282.2	299.6	305.5	307.9	308.7	309.2	306.6	297.1	276.7	266.9	259.8
55°	271.6	291.6	296.9	300.2	301.7	301.3	297.7	288.0	267.2	257.4	249.4
57.5°	255.5	274.6	282.2	283.7	286.2	284.6	280.5	272.3	252.1	242.2	234.1
60°	237.9	251.7	257.8	259.1	257.2	257.8	257.2	249.4	231.8	224.1	215.8
62.5°	214.8	227.1	233.5	235.2	232.0	234.1	233.4	223.7	206.1	198.0	190.6
65°	197.4	210.8	218.4	219.3	218.4	219.3	216.7	205.0	188.3	180.0	172.4
67.5°	183.8	197.6	205.5	208.2	207.2	207.0	202.9	189.3	172.0	163.0	153.3
70°	160.3	172.4	182.6	189.1	189.1	185.5	177.5	164.8	151.0	143.3	135.7
72.5°	141.9	157.3	167.3	173.9	175.3	173.2	162.0	148.6	132.7	124.9	117.0
75°	117.0	131.9	142.7	151.4	153.1	150.8	138.0	124.7	110.0	102.4	94.4
77.5°	78.2	87.1	95.8	103.7	102.0	103.5	94.8	84.8	75.7	70.0	66.4
80°	44.1	50.0	52.6	57.0	57.0	57.0	51.3	46.6	41.4	38.2	34.6
82.5°	25.0	28.8	29.9	33.5	34.4	34.6	30.8	27.8	24.6	22.9	20.4
85°	11.5	13.6	13.8	15.9	16.7	18.2	16.5	14.4	12.5	11.7	10.2
87.5°	0.4	1.1	1.5	2.8	3.8	4.4	4.7	4.7	4.0	3.6	3.0
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°	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3
2.5°	401.8	406.3	411.6	415.4	422.2	427.9	433.8	440.2	444.9	443.8
5°	381.5	389.1	398.8	407.7	420.3	433.2	447.4	462.0	470.5	470.1
7.5°	370.2	381.0	392.7	404.6	419.6	438.1	459.9	482.6	494.2	494.7
10°	376.2	387.8	395.7	405.8	421.5	444.8	470.9	498.1	511.4	514.0
12.5°	395.4	394.4	393.8	401.0	420.0	449.5	481.5	514.0	529.0	532.2
15°	413.5	394.0	382.3	387.2	413.1	452.5	491.9	531.4	548.3	551.7
17.5°	416.9	387.4	365.6	369.1	402.4	453.5	501.9	548.5	566.6	569.9
20°	407.5	378.9	353.5	348.8	388.7	451.0	508.2	562.7	582.5	585.9
22.5°	395.5	371.3	344.4	332.1	372.1	448.5	515.2	577.6	600.5	603.5
25°	383.1	361.7	335.9	317.2	353.2	447.0	526.9	597.3	624.9	628.5
27.5°	369.8	349.9	328.6	310.0	335.7	448.9	543.5	629.1	660.5	665.6
30°	355.6	338.2	323.8	307.5	323.8	450.6	561.9	661.6	698.5	705.7
32.5°	340.9	327.4	318.9	308.7	316.4	446.6	578.0	698.2	744.0	750.2
35°	326.1	316.4	312.7	310.8	306.6	432.1	591.0	735.1	795.8	801.3
37.5°	312.3	305.1	303.9	306.0	291.5	408.2	606.2	782.0	846.7	855.1
40°	299.4	292.8	292.6	292.2	274.8	375.7	626.6	829.7	896.9	900.7
42.5°	287.5	279.2	280.7	276.1	261.2	340.5	645.9	870.4	943.6	946.3
45°	276.9	265.9	267.6	261.9	254.7	303.6	663.0	918.5	1002.9	1004.6
47.5°	266.7	254.9	250.2	249.8	253.6	269.5	679.6	1011.0	1095.6	1098.6
50°	257.2	244.5	231.1	239.4	246.6	244.0	700.4	1110.2	1191.4	1190.6
52.5°	248.1	231.5	212.3	228.4	228.4	225.0	694.6	1170.4	1270.5	1283.5
55°	237.7	210.5	192.9	210.1	201.7	208.0	590.7	1190.0	1320.3	1338.8
57.5°	217.1	184.5	169.2	178.5	166.0	192.9	424.3	1092.4	1235.7	1268.6
60°	197.2	165.4	155.4	153.7	137.4	157.3	275.0	855.3	1017.1	1033.7
62.5°	173.9	148.9	140.4	127.4	110.5	114.5	166.5	562.9	683.4	687.2
65°	156.3	134.9	118.7	103.1	90.5	83.1	98.4	271.4	341.6	337.1
67.5°	134.2	115.6	100.1	89.0	78.5	69.3	65.5	80.6	91.2	88.2
70°	119.4	101.6	86.7	76.1	66.4	57.2	50.5	47.5	46.6	45.8
72.5°	103.0	87.4	71.9	61.7	52.6	44.1	38.0	34.4	33.5	32.7
75°	82.1	67.6	53.4	43.7	35.8	29.7	25.7	22.7	22.1	21.4
77.5°	54.3	43.3	31.8	25.9	21.2	18.0	15.3	13.4	13.1	12.7
80°	29.9	25.0	19.5	15.7	12.7	11.0	10.0	8.9	8.7	8.5
82.5°	17.8	15.0	11.2	8.9	7.4	6.6	6.1	5.5	5.3	5.1
85°	8.9	7.0	4.9	4.2	3.8	3.4	3.4	2.8	2.6	2.6
87.5°	2.3	1.9	1.1	0.9	0.9	0.9	0.8	0.6	0.6	0.4
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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