

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: P628971

Luminaire Tested: GWS-SA1A-760-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628971
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-SA1A-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2244.7 lumens
Efficiency: N/A
Efficacy: 113.9 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

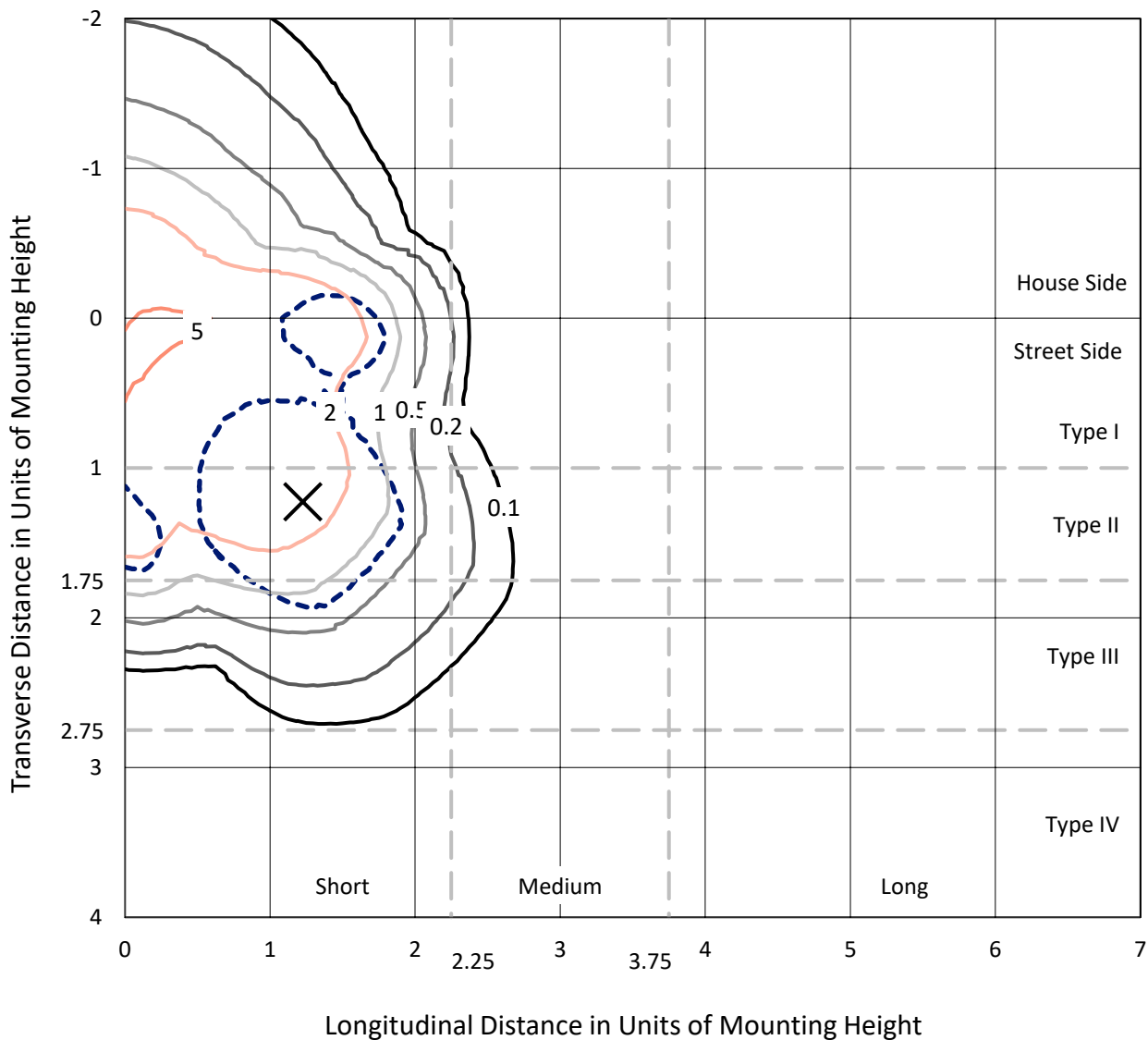
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

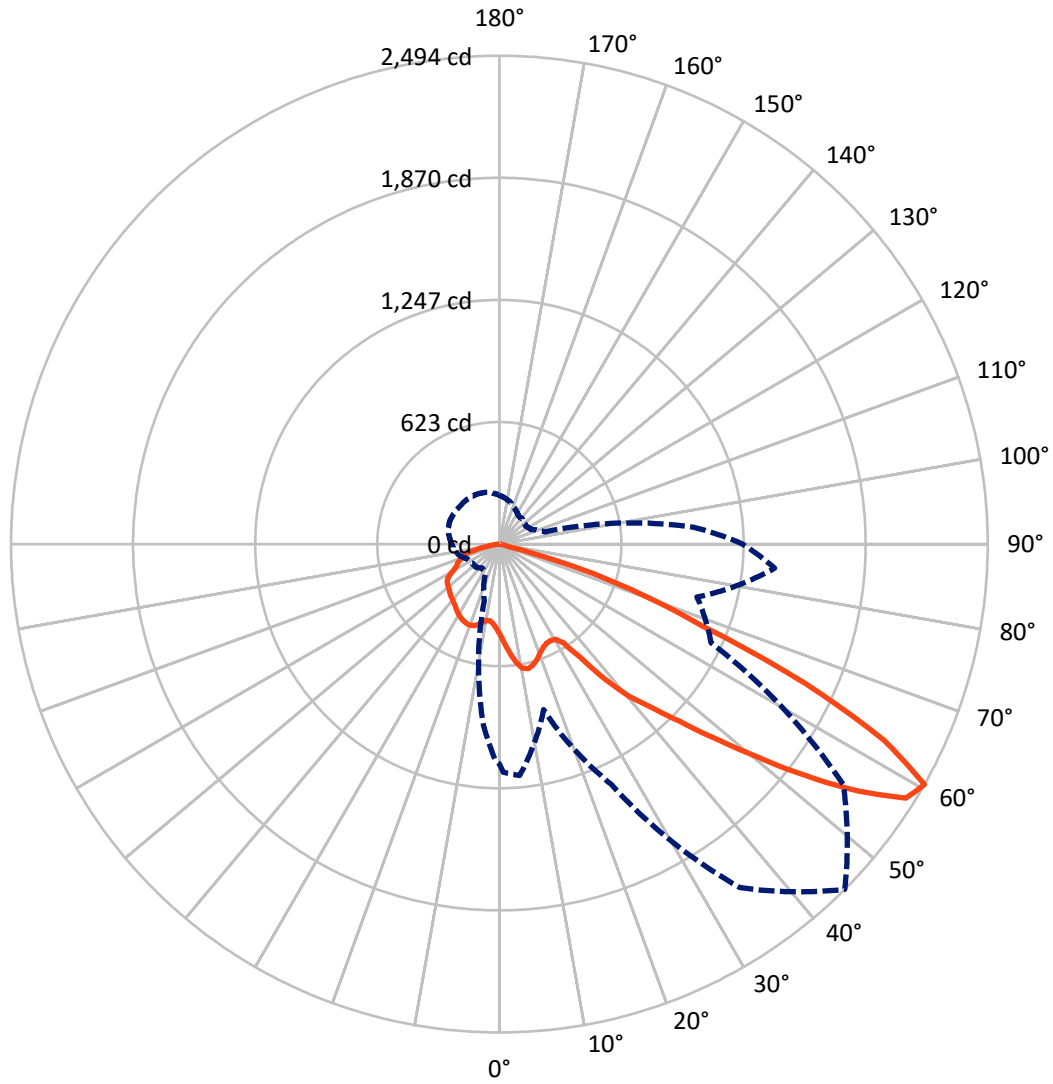
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 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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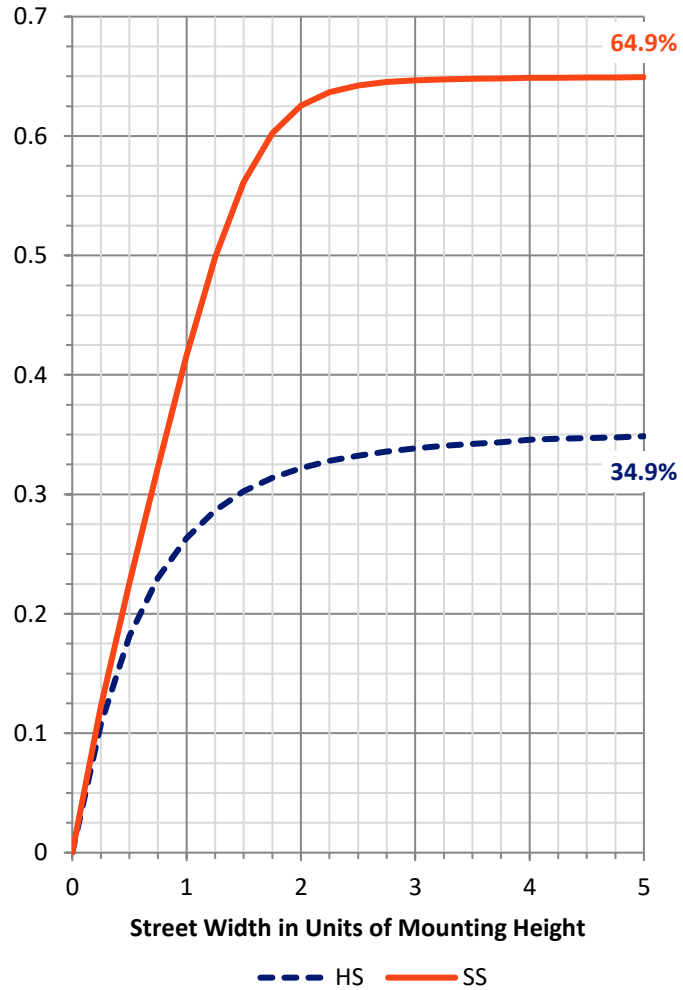
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	786.8	0.0	786.8
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	1457.8	0.0	1457.8
	% Fixture	64.9	0.0	64.9
Total	Lumens	2244.7	0.0	2244.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	2.0
10°-20°	142.2	6.3
20°-30°	230.9	10.3
30°-40°	325.7	14.5
40°-50°	450.1	20.1
50°-60°	579.4	25.8
60°-70°	367.1	16.4
70°-80°	94.2	4.2
80°-90°	10.1	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°	2244.7	100.0
0°-180°	2244.7	100.0

Coefficient of Utilization



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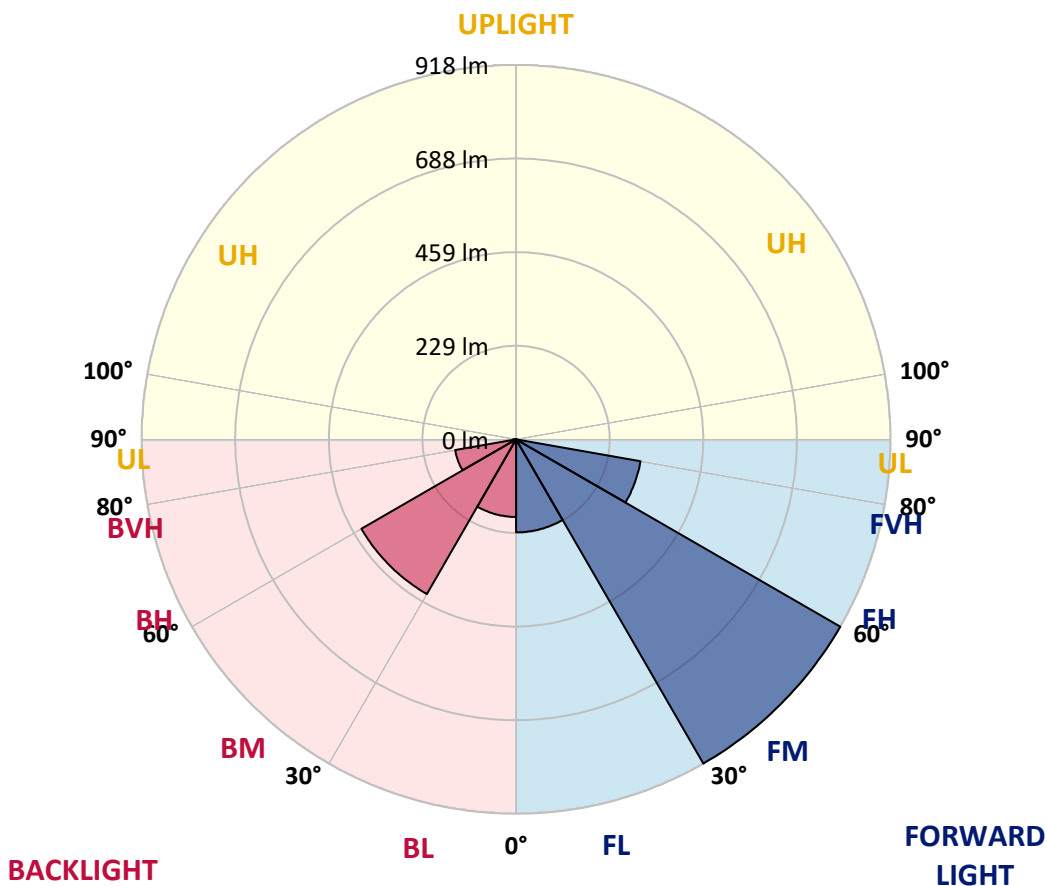
CATALOG NUMBER: GWS-SA1A-760-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.9	10.2			
FM (30°-60°)	917.5	40.9			
FH (60°-80°)	309.7	13.8			G0/660
FVH (80°-90°)	2.7	0.1			G0/10
BL (0°-30°)	190.2	8.5	B1/500		
BM (30°-60°)	437.7	19.5	B1/1000		
BH (60°-80°)	151.6	6.8	B1/500		G1/500
BVH (80°-90°)	7.3	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°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	482.3	485.6	487.7	491.6	498.6	502.5	506.8	502.1	503.3	502.7	495.1
5°	510.9	514.8	520.2	531.7	544.6	551.8	558.6	557.6	551.2	540.5	532.9
7.5°	537.6	542.2	551.4	570.1	589.3	600.4	608.6	603.2	597.9	581.0	561.9
10°	558.6	561.3	573.8	598.9	621.1	633.7	643.8	642.5	635.1	616.2	590.5
12.5°	578.4	580.2	593.8	618.9	638.8	644.4	652.6	655.3	652.8	638.6	613.3
15°	599.5	603.0	615.6	634.7	643.8	638.0	640.9	648.3	655.3	655.3	632.0
17.5°	619.3	622.4	635.1	643.4	634.7	619.5	620.3	629.8	646.4	663.9	649.1
20°	636.8	639.7	652.2	644.4	617.0	594.8	594.2	605.7	632.7	669.5	667.4
22.5°	655.9	660.0	670.5	645.2	600.6	572.4	572.2	584.1	620.5	675.0	688.4
25°	683.1	689.4	694.8	652.4	591.7	557.8	560.5	571.8	616.6	684.1	719.5
27.5°	723.4	728.5	728.1	667.4	591.3	551.8	557.4	570.5	623.6	700.1	752.2
30°	767.0	769.6	765.3	688.4	600.8	555.5	563.8	579.4	641.3	726.7	800.3
32.5°	815.3	818.6	810.4	719.9	622.8	582.9	601.0	608.6	666.2	764.9	851.3
35°	870.8	877.2	860.1	761.4	687.6	682.6	709.0	699.1	719.0	810.2	905.8
37.5°	929.2	929.5	905.0	822.9	814.7	823.1	875.8	844.9	831.1	860.6	961.3
40°	978.8	977.6	939.9	905.8	925.3	958.9	1022.4	975.1	938.9	928.2	1007.4
42.5°	1028.4	1023.9	985.8	958.5	1001.6	1070.5	1142.3	1084.3	1008.0	989.7	1052.9
45°	1091.7	1090.3	1044.4	979.4	1070.5	1195.6	1290.8	1196.8	1049.0	1025.5	1128.5
47.5°	1194.0	1187.0	1101.6	977.8	1135.1	1362.2	1482.5	1338.5	1077.5	1026.3	1250.7
50°	1293.9	1285.3	1169.9	977.6	1201.8	1535.0	1708.8	1510.7	1106.7	1031.3	1374.9
52.5°	1394.9	1394.9	1282.0	1000.8	1271.7	1727.9	1970.2	1725.2	1156.5	1095.8	1527.8
55°	1455.0	1471.0	1408.1	1040.1	1353.6	1955.0	2228.7	1956.8	1233.4	1212.5	1668.9
57.5°	1378.7	1408.7	1399.6	1012.8	1401.9	2121.8	2448.0	2132.5	1271.5	1226.2	1647.7
60°	1123.4	1165.2	1185.9	874.5	1354.2	2141.1	2493.8	2144.0	1192.9	1044.2	1411.4
62.5°	746.8	781.2	812.8	624.8	1172.4	1926.2	2205.7	1926.8	996.3	779.3	977.8
65°	366.3	391.8	426.0	369.4	915.9	1609.4	1719.7	1557.0	720.7	436.2	498.8
67.5°	95.8	103.0	107.8	143.4	656.1	1156.3	1121.6	1138.8	463.0	142.5	130.4
70°	49.8	50.2	50.0	59.2	443.4	734.9	772.9	715.1	323.1	59.6	51.4
72.5°	35.6	35.8	35.2	39.9	214.1	421.0	436.2	431.5	169.3	35.4	35.2
75°	23.2	23.4	23.0	23.4	32.3	47.9	44.2	46.5	28.2	22.4	22.4
77.5°	13.8	14.0	13.8	14.2	13.8	13.8	12.8	12.8	12.1	12.1	12.3
80°	9.3	9.3	9.0	9.5	8.6	8.6	8.2	8.0	7.4	7.2	7.2
82.5°	5.6	5.8	5.6	5.6	5.1	5.1	4.7	4.5	3.9	3.9	3.7
85°	2.9	2.9	2.7	2.7	2.3	2.1	1.6	1.6	1.2	1.0	1.0
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°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	493.0	488.9	482.7	476.8	471.2	465.4	458.9	452.1	446.3	440.4	437.3
5°	522.8	514.4	498.4	484.2	471.4	460.9	449.6	439.9	430.9	423.5	419.8
7.5°	549.8	536.6	512.3	489.9	472.6	458.2	442.6	428.2	416.1	407.0	403.5
10°	574.7	559.0	527.1	498.8	478.6	462.6	443.4	423.9	407.9	395.9	393.0
12.5°	594.8	576.9	538.9	506.0	482.1	464.8	448.0	431.1	415.3	399.8	397.4
15°	612.7	591.5	547.7	510.5	480.9	458.9	444.7	442.6	442.6	425.1	420.2
17.5°	628.1	604.9	554.9	512.5	473.1	441.2	432.5	450.4	470.6	458.0	446.9
20°	645.8	617.6	560.9	512.5	458.7	418.8	417.9	448.4	478.2	478.4	466.7
22.5°	663.7	632.5	567.9	510.7	438.9	392.8	408.1	440.1	466.7	478.0	470.0
25°	692.7	653.0	579.0	509.3	415.9	375.2	399.2	429.2	451.7	463.6	458.5
27.5°	729.5	680.2	595.8	511.5	393.0	364.7	389.8	415.1	435.4	445.9	442.2
30°	770.7	711.4	613.9	515.4	376.6	359.3	378.4	398.8	416.9	427.4	425.8
32.5°	823.1	745.4	629.6	510.1	367.3	356.6	366.5	381.1	398.6	405.2	406.6
35°	885.8	782.8	641.5	489.1	358.9	353.8	353.6	362.6	374.9	385.4	386.5
37.5°	943.6	826.6	654.7	453.1	343.7	346.6	338.3	343.7	355.8	366.3	370.4
40°	1000.8	871.0	673.0	407.2	323.7	330.5	320.9	324.6	334.2	348.0	354.6
42.5°	1056.4	911.1	692.3	360.3	303.8	308.1	300.9	304.6	314.7	332.0	339.4
45°	1116.8	965.4	707.3	316.1	286.5	284.7	278.9	284.2	299.5	318.4	327.2
47.5°	1231.2	1051.0	717.2	286.7	277.3	263.9	257.3	268.8	286.1	305.2	315.9
50°	1370.8	1174.8	714.3	268.0	269.2	242.5	240.2	255.5	274.0	293.9	305.6
52.5°	1481.5	1296.4	681.6	250.1	253.6	228.9	222.3	244.5	262.2	282.6	294.7
55°	1566.0	1337.3	581.2	228.9	228.1	219.0	205.3	233.2	250.5	269.4	282.6
57.5°	1497.1	1246.2	430.9	199.7	194.8	199.5	186.1	214.1	236.1	254.8	266.6
60°	1242.5	993.6	240.0	176.9	162.9	174.4	172.4	194.0	220.5	240.2	250.3
62.5°	843.5	661.7	142.3	139.9	132.0	148.5	159.4	173.6	199.7	215.8	225.2
65°	420.4	321.5	94.6	104.7	105.7	122.2	142.7	158.4	180.2	196.6	206.1
67.5°	122.0	100.0	72.0	80.0	91.1	104.3	120.7	139.2	160.4	180.0	191.1
70°	52.7	53.3	57.2	66.6	77.5	91.1	107.6	125.7	143.6	158.6	167.0
72.5°	37.2	38.7	43.0	52.7	62.9	75.9	92.3	109.8	122.8	138.0	146.9
75°	23.9	24.9	28.4	35.8	43.4	55.9	71.6	87.6	101.0	111.9	120.3
77.5°	13.2	13.4	16.2	20.6	25.7	33.7	45.2	57.8	67.7	73.8	81.4
80°	7.6	7.6	9.0	11.7	14.8	19.7	26.1	32.3	38.3	42.2	45.9
82.5°	4.1	4.1	4.7	6.4	8.0	10.9	14.6	17.7	21.4	23.4	25.9
85°	1.2	1.2	1.6	2.3	2.9	4.1	5.8	7.4	9.0	10.5	11.9
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°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	436.7	433.8	432.1	430.1	430.7	428.8	427.8	428.4	424.7	428.4	432.1
5°	418.3	414.2	410.9	408.3	407.0	404.6	403.1	403.1	400.9	404.6	409.1
7.5°	402.3	399.0	397.4	395.7	393.9	391.6	389.1	388.3	386.9	390.8	394.7
10°	391.6	392.0	393.0	395.3	394.9	393.5	389.8	387.7	387.7	392.2	398.2
12.5°	396.5	400.9	403.3	407.4	408.3	407.0	403.3	401.7	405.8	412.6	422.5
15°	415.7	418.6	420.6	423.9	423.7	422.7	419.8	421.0	434.6	447.8	456.6
17.5°	436.4	433.2	432.7	434.8	435.4	434.2	432.5	438.1	460.5	472.9	477.4
20°	451.5	440.1	437.7	438.5	440.1	439.5	439.5	448.6	471.8	477.6	471.8
22.5°	456.0	439.9	436.2	436.4	438.7	438.9	439.9	449.4	463.0	463.2	454.3
25°	448.8	433.4	430.7	431.1	433.8	433.6	434.0	439.3	445.3	442.8	436.2
27.5°	435.2	421.8	421.0	423.3	426.8	424.9	423.7	425.1	428.0	424.9	419.2
30°	419.8	408.5	408.9	413.2	416.9	413.8	410.7	411.6	411.8	408.5	401.9
32.5°	403.5	395.1	396.5	401.1	405.4	402.1	398.8	398.4	394.5	390.6	384.2
35°	387.3	384.0	385.8	389.6	393.3	390.6	388.5	387.3	378.9	373.1	367.7
37.5°	372.5	374.9	378.2	380.5	381.7	381.5	380.3	377.4	366.3	359.5	352.5
40°	359.3	366.9	370.4	371.5	373.3	372.9	372.7	368.6	354.0	346.8	338.7
42.5°	347.4	358.1	364.0	365.1	366.1	366.3	365.7	359.7	343.1	334.6	327.0
45°	335.9	349.9	357.5	356.4	357.9	357.9	358.5	350.7	332.4	323.7	315.7
47.5°	325.8	342.2	349.2	348.0	348.8	349.4	350.1	341.0	320.6	312.4	304.2
50°	316.5	334.0	340.0	340.4	340.4	341.8	341.6	332.8	310.8	301.9	293.7
52.5°	306.7	325.6	332.0	334.6	335.5	336.1	333.2	322.9	300.7	290.0	282.4
55°	295.1	316.9	322.7	326.2	327.8	327.4	323.5	313.0	290.4	279.7	271.1
57.5°	277.7	298.4	306.7	308.3	311.0	309.3	304.8	296.0	274.0	263.3	254.4
60°	258.5	273.6	280.1	281.6	279.5	280.1	279.5	271.1	252.0	243.5	234.5
62.5°	233.4	246.8	253.8	255.7	252.2	254.4	253.6	243.1	224.0	215.1	207.1
65°	214.5	229.1	237.4	238.4	237.4	238.4	235.5	222.7	204.6	195.6	187.4
67.5°	199.7	214.7	223.4	226.2	225.2	225.0	220.5	205.7	187.0	177.1	166.6
70°	174.2	187.4	198.5	205.5	205.5	201.6	192.9	179.1	164.1	155.7	147.5
72.5°	154.3	170.9	181.8	189.0	190.5	188.2	176.1	161.5	144.2	135.7	127.1
75°	127.1	143.4	155.1	164.5	166.4	163.9	149.9	135.5	119.5	111.3	102.6
77.5°	84.9	94.6	104.1	112.7	110.9	112.5	103.0	92.1	82.3	76.1	72.2
80°	47.9	54.3	57.2	61.9	61.9	61.9	55.7	50.6	45.0	41.5	37.6
82.5°	27.1	31.3	32.5	36.4	37.4	37.6	33.5	30.2	26.7	24.9	22.2
85°	12.5	14.8	15.0	17.3	18.1	19.7	17.9	15.6	13.6	12.8	11.1
87.5°	0.4	1.2	1.6	3.1	4.1	4.7	5.1	5.1	4.3	3.9	3.3
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°	359°	360°
0°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	436.7	441.6	447.3	451.5	458.9	465.0	471.4	478.4	483.5	482.3
5°	414.6	422.9	433.4	443.0	456.8	470.8	486.2	502.1	511.3	510.9
7.5°	402.3	414.0	426.8	439.7	456.0	476.1	499.8	524.5	537.0	537.6
10°	408.9	421.4	430.1	441.0	458.0	483.3	511.7	541.3	555.7	558.6
12.5°	429.7	428.6	428.0	435.8	456.4	488.5	523.2	558.6	574.9	578.4
15°	449.4	428.2	415.5	420.8	449.0	491.8	534.6	577.5	595.8	599.5
17.5°	453.1	421.0	397.4	401.1	437.3	492.8	545.5	596.1	615.8	619.3
20°	442.8	411.8	384.2	379.1	422.5	490.1	552.2	611.5	633.1	636.8
22.5°	429.9	403.5	374.3	361.0	404.4	487.5	559.9	627.7	652.6	655.9
25°	416.3	393.0	365.1	344.7	383.8	485.8	572.6	649.1	679.1	683.1
27.5°	401.9	380.3	357.1	336.9	364.9	487.9	590.7	683.7	717.8	723.4
30°	386.5	367.5	351.9	334.2	351.9	489.7	610.7	719.0	759.2	767.0
32.5°	370.4	355.8	346.6	335.5	343.9	485.4	628.1	758.7	808.5	815.3
35°	354.4	343.9	339.8	337.7	333.2	469.6	642.3	798.8	864.9	870.8
37.5°	339.4	331.6	330.3	332.6	316.7	443.6	658.8	849.9	920.2	929.2
40°	325.4	318.2	318.0	317.6	298.6	408.3	681.0	901.7	974.7	978.8
42.5°	312.4	303.4	305.0	300.1	283.8	370.0	702.0	945.9	1025.5	1028.4
45°	300.9	289.0	290.8	284.7	276.8	329.9	720.5	998.1	1089.9	1091.7
47.5°	289.8	277.0	271.9	271.5	275.6	292.9	738.6	1098.7	1190.7	1194.0
50°	279.5	265.7	251.1	260.2	268.0	265.1	761.2	1206.5	1294.7	1293.9
52.5°	269.6	251.5	230.8	248.3	248.3	244.5	754.8	1271.9	1380.7	1394.9
55°	258.3	228.7	209.6	228.3	219.3	226.0	641.9	1293.3	1434.8	1455.0
57.5°	235.9	200.5	183.9	194.0	180.4	209.6	461.1	1187.2	1342.9	1378.7
60°	214.3	179.8	168.9	167.0	149.3	170.9	298.8	929.5	1105.3	1123.4
62.5°	189.0	161.9	152.6	138.4	120.1	124.4	181.0	611.7	742.7	746.8
65°	169.9	146.6	129.0	112.1	98.3	90.3	107.0	294.9	371.2	366.3
67.5°	145.8	125.7	108.8	96.7	85.4	75.3	71.2	87.6	99.1	95.8
70°	129.8	110.4	94.2	82.7	72.2	62.1	54.9	51.6	50.6	49.8
72.5°	111.9	95.0	78.2	67.1	57.2	47.9	41.3	37.4	36.4	35.6
75°	89.3	73.4	58.0	47.5	38.9	32.3	28.0	24.7	24.1	23.2
77.5°	59.0	47.1	34.6	28.2	23.0	19.5	16.7	14.6	14.2	13.8
80°	32.5	27.1	21.2	17.1	13.8	11.9	10.9	9.7	9.5	9.3
82.5°	19.3	16.2	12.1	9.7	8.0	7.2	6.6	6.0	5.8	5.6
85°	9.7	7.6	5.3	4.5	4.1	3.7	3.7	3.1	2.9	2.9
87.5°	2.5	2.1	1.2	1.0	1.0	1.0	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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