

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: P629853

Luminaire Tested: GWS-SA1C-740-U-SLRR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-SLRR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4551.1 lumens
Efficiency: N/A
Efficacy: 133.5 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

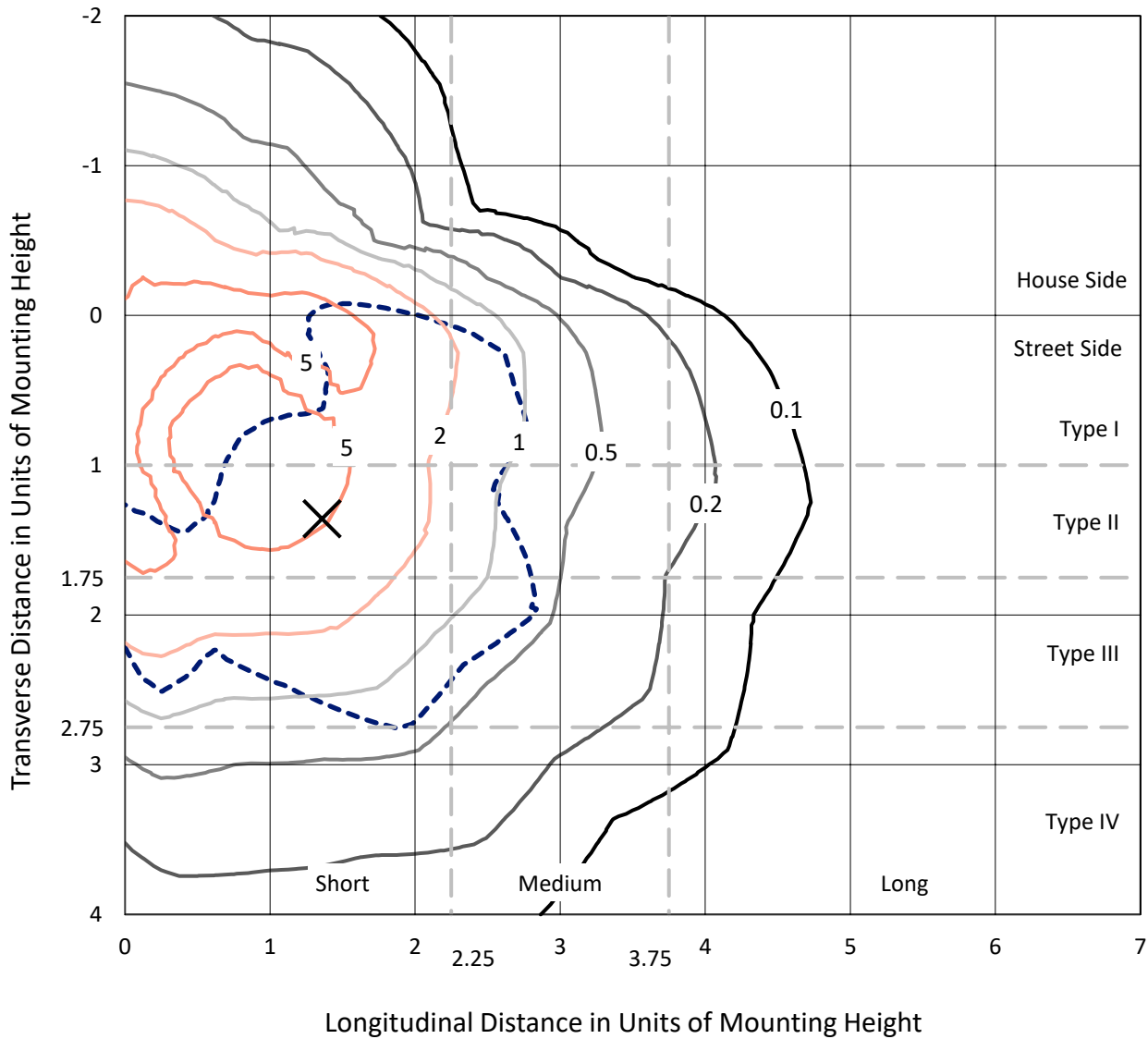
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

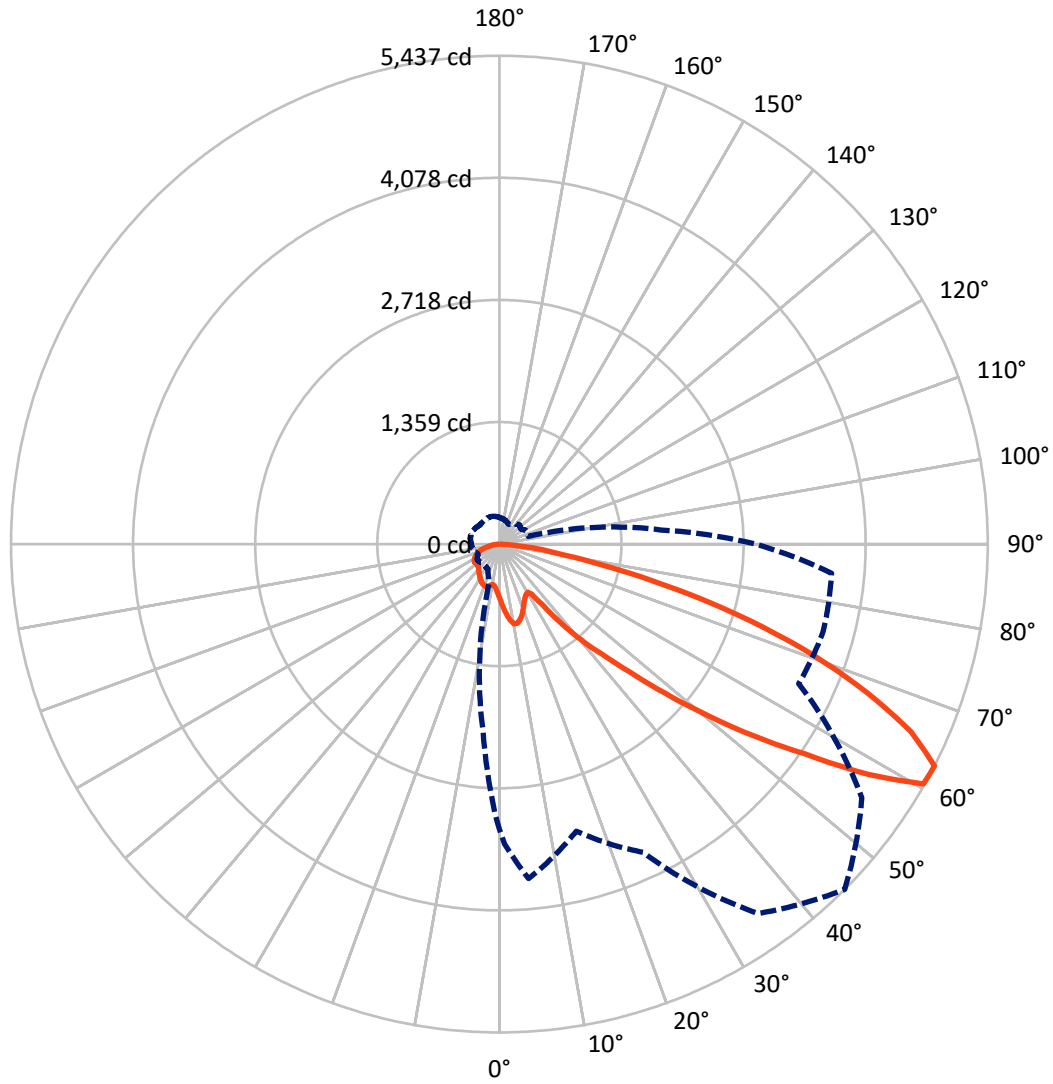
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type III - 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	1086.0	0.0	1086.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3465.1	0.0	3465.1
	% Fixture	76.1	0.0	76.1
Total	Lumens	4551.1	0.0	4551.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	1.3
10°-20°	184.9	4.1
20°-30°	287.2	6.3
30°-40°	390.0	8.6
40°-50°	618.1	13.6
50°-60°	1090.3	24.0
60°-70°	1213.1	26.7
70°-80°	615.3	13.5
80°-90°	93.2	2.0
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°	4551.1	100.0
0°-180°	4551.1	100.0

Coefficient of Utilization



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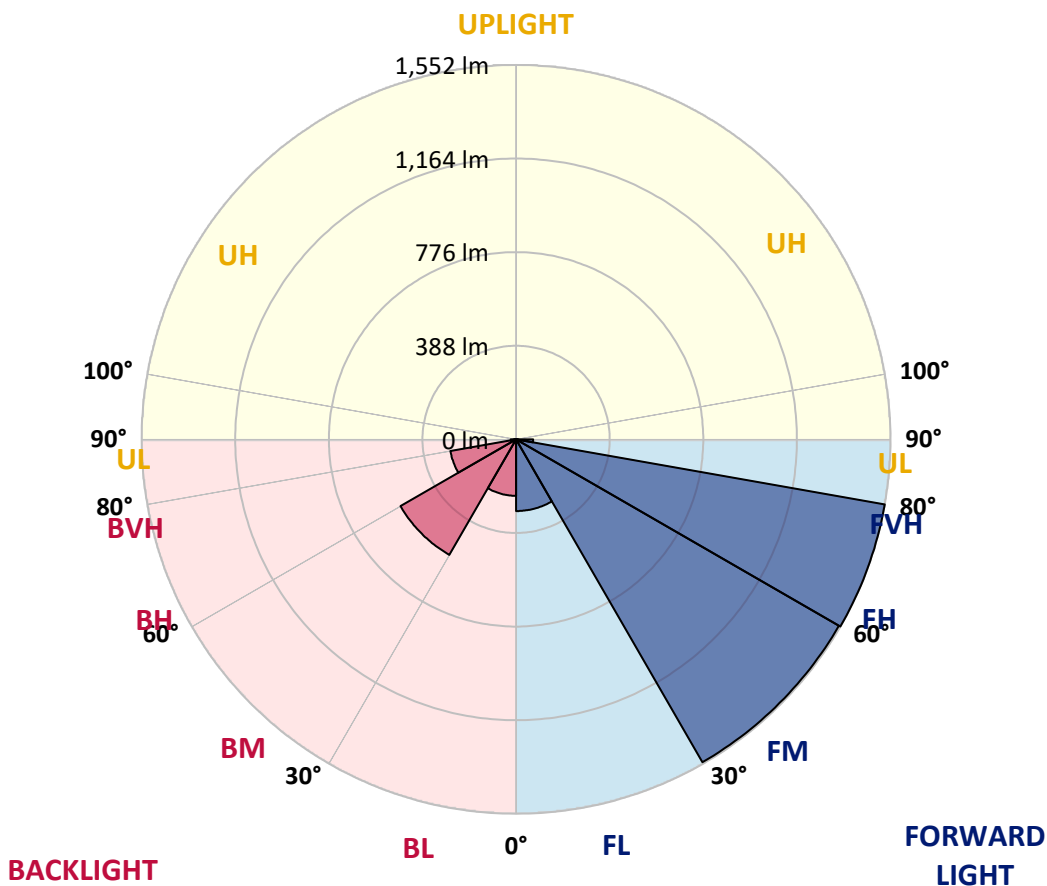
CATALOG NUMBER: GWS-SA1C-740-U-SLRR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	297.1	6.5			
FM (30°-60°)	1545.3	34.0			
FH (60°-80°)	1552.0	34.1			G1/1800
FVH (80°-90°)	70.7	1.6			G1/100
BL (0°-30°)	234.0	5.1	B1/500		
BM (30°-60°)	553.1	12.2	B1/1000		
BH (60°-80°)	276.4	6.1	B1/500		G1/500
BVH (80°-90°)	22.5	0.5			G1/100
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°	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0
2.5°	649.2	648.8	655.4	665.4	674.7	678.8	685.7	685.0	679.5	672.2	669.8
5°	700.2	701.5	712.9	735.0	759.4	769.8	774.2	772.5	762.5	749.8	727.4
7.5°	746.3	748.7	766.3	799.4	829.7	843.5	854.5	852.5	838.0	814.2	781.1
10°	780.1	782.9	803.9	842.8	876.6	888.6	902.8	903.5	890.7	858.7	824.9
12.5°	813.9	816.6	836.3	871.8	893.8	894.1	902.4	906.9	907.6	892.8	859.0
15°	849.0	851.4	869.3	889.3	888.3	869.0	869.0	877.6	896.6	907.2	883.8
17.5°	879.0	882.1	895.9	889.3	858.7	823.9	819.7	830.7	863.8	904.8	902.4
20°	903.8	906.2	913.8	870.4	814.6	769.1	761.1	773.9	818.7	890.0	916.5
22.5°	927.6	928.9	924.8	845.6	767.0	715.0	705.3	718.8	767.0	863.8	928.6
25°	955.8	954.4	934.8	819.7	723.6	672.2	662.3	677.4	727.7	829.0	941.7
27.5°	988.6	983.4	943.4	791.8	690.2	640.5	633.7	649.9	696.7	797.0	952.0
30°	1016.5	1006.5	944.8	767.0	672.9	627.1	623.0	638.1	681.6	775.3	965.1
32.5°	1047.5	1033.7	952.7	760.5	682.6	659.5	665.0	666.0	685.7	769.1	984.8
35°	1091.9	1074.0	974.4	779.4	781.8	820.8	840.7	813.9	748.1	782.9	1022.0
37.5°	1159.1	1136.4	1018.5	861.4	986.8	1074.0	1122.3	1060.9	937.6	834.9	1078.1
40°	1240.8	1211.8	1075.0	1013.0	1178.4	1318.0	1403.8	1313.8	1132.6	964.8	1157.1
42.5°	1354.8	1324.5	1184.6	1161.9	1355.9	1563.6	1675.6	1541.6	1304.5	1132.6	1283.5
45°	1553.6	1524.4	1385.5	1311.1	1563.6	1866.2	2023.3	1836.9	1479.2	1301.1	1519.9
47.5°	1921.0	1886.5	1683.9	1476.5	1800.7	2259.0	2478.8	2207.3	1660.8	1494.0	1916.8
50°	2362.0	2328.9	2058.4	1672.2	2062.6	2679.0	2984.6	2642.5	1870.0	1728.7	2391.3
52.5°	2892.6	2886.4	2592.9	1919.6	2335.1	3126.9	3545.9	3124.5	2099.1	2044.7	2928.8
55°	3370.9	3431.5	3271.7	2296.9	2687.3	3689.6	4123.1	3650.3	2409.9	2567.0	3558.3
57.5°	3628.6	3791.6	4037.3	3066.6	3199.3	4362.2	4835.3	4292.3	2944.0	3436.7	4142.0
60°	3458.4	3643.1	4088.3	3646.2	3707.2	4901.1	5423.1	4831.8	3468.4	4040.4	4108.9
62.5°	3175.2	3340.9	3736.8	3307.8	3785.7	5019.6	5436.9	4925.9	3676.9	3734.1	3711.7
65°	2839.2	3006.3	3425.7	2887.5	3535.9	4738.1	5035.8	4649.2	3302.3	3373.6	3381.9
67.5°	2393.0	2547.4	2974.3	2567.4	3223.1	4325.0	4420.1	4255.0	3041.1	3154.8	3036.0
70°	1788.0	1927.2	2304.1	2086.3	2716.9	3786.8	3709.9	3734.4	2747.9	2860.9	2536.0
72.5°	1221.8	1326.6	1649.8	1639.4	2080.5	3031.5	2924.3	3156.2	2295.2	2445.0	1933.4
75°	854.5	936.2	1192.5	1295.2	1572.6	2246.9	2082.6	2362.3	1792.4	2006.4	1410.7
77.5°	524.4	578.5	753.2	959.6	1011.6	1537.8	1293.5	1777.6	1258.7	1463.4	941.0
80°	262.2	288.4	365.9	603.3	670.9	906.2	714.3	1032.0	851.8	906.2	520.6
82.5°	79.3	87.5	107.2	229.1	347.7	521.7	422.1	599.5	465.2	424.8	205.0
85°	21.0	23.8	29.6	67.9	122.0	187.1	142.7	290.5	222.9	156.8	77.2
87.5°	1.7	1.7	1.4	1.4	0.7	0.0	0.0	20.7	41.7	23.8	13.4
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°	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0
2.5°	657.8	656.4	642.3	631.9	619.9	608.2	596.1	585.4	573.4	561.3	557.9
5°	710.8	701.2	671.2	646.1	621.3	599.5	580.6	561.0	545.1	529.6	523.7
7.5°	757.7	740.8	697.4	659.2	624.7	597.8	569.9	541.3	518.9	496.9	491.4
10°	800.1	777.7	722.9	674.7	636.4	605.7	573.0	534.8	502.4	475.5	468.3
12.5°	831.4	807.0	745.0	689.5	646.1	611.6	579.2	545.4	511.3	476.5	468.6
15°	856.2	830.7	763.2	700.8	646.4	602.0	570.6	558.9	548.2	514.1	499.6
17.5°	876.2	849.4	779.1	707.7	637.1	572.7	545.4	562.7	589.9	568.5	541.3
20°	894.5	867.3	791.1	712.6	616.4	532.4	517.2	553.7	594.7	594.0	569.6
22.5°	914.5	887.9	808.7	715.3	587.5	491.4	500.3	540.6	574.0	584.0	568.9
25°	940.0	916.5	833.2	721.5	554.8	463.1	487.9	523.7	551.6	554.1	545.1
27.5°	969.6	952.0	869.7	736.0	523.1	448.6	473.4	500.0	525.5	526.5	515.8
30°	1002.0	990.3	903.5	748.1	499.3	444.1	454.8	476.2	492.4	495.1	485.8
32.5°	1043.3	1033.0	933.4	740.1	485.1	443.1	437.6	448.6	462.1	462.1	454.8
35°	1100.2	1085.7	965.1	709.8	467.9	439.0	419.3	422.4	428.3	429.3	425.2
37.5°	1180.8	1157.1	997.2	649.9	439.7	424.2	398.3	394.5	396.6	399.4	398.3
40°	1280.8	1241.8	1044.0	577.8	405.9	395.6	376.6	369.4	367.7	373.2	375.2
42.5°	1406.5	1346.9	1094.3	510.6	375.2	362.8	351.1	344.9	342.2	351.5	357.0
45°	1607.4	1509.2	1142.6	444.1	358.0	334.9	327.0	322.5	323.9	334.9	341.8
47.5°	1954.4	1756.9	1188.4	402.1	356.6	314.9	305.3	306.3	310.1	321.8	330.1
50°	2393.4	2088.8	1219.1	384.5	360.8	302.9	290.1	295.6	301.5	312.9	322.5
52.5°	2840.3	2397.8	1182.5	374.9	360.4	303.2	276.0	292.5	295.3	306.7	317.0
55°	3147.6	2432.3	1021.6	360.1	354.9	317.0	265.0	291.2	292.9	303.2	312.5
57.5°	3264.8	2314.4	779.1	364.2	338.4	327.7	260.1	281.5	293.9	302.9	312.5
60°	3123.1	2092.2	473.4	374.9	311.8	327.0	263.2	263.9	285.3	300.5	310.1
62.5°	2856.1	1806.9	332.5	344.6	292.5	308.7	270.5	243.3	270.1	288.4	297.0
65°	2550.1	1471.3	253.6	296.7	283.2	280.5	272.9	225.0	249.5	267.4	275.0
67.5°	2231.4	1143.6	206.1	221.2	256.0	253.6	249.5	208.8	225.0	237.8	246.4
70°	1830.0	800.1	174.0	166.1	219.5	227.4	218.1	188.5	193.6	206.7	213.6
72.5°	1338.6	498.6	143.0	137.1	176.4	198.8	194.0	166.1	168.5	180.9	186.4
75°	962.7	285.3	114.7	113.0	134.7	170.2	160.6	143.0	145.8	155.1	158.8
77.5°	611.9	158.8	88.6	91.0	96.5	127.1	137.1	122.3	122.3	127.8	130.9
80°	327.7	91.0	64.8	65.8	67.5	97.2	108.2	94.8	94.8	91.0	94.8
82.5°	133.7	52.4	44.4	41.3	45.1	66.5	75.8	60.3	63.1	56.9	58.2
85°	44.1	26.2	22.1	21.7	21.4	29.3	36.5	30.0	35.8	22.7	23.8
87.5°	5.9	4.8	2.8	2.1	2.4	1.0	2.1	2.4	2.4	1.7	1.7
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°	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0
2.5°	555.4	552.7	542.7	545.1	543.4	540.6	543.4	538.2	542.3	543.7	552.3
5°	519.3	512.7	503.1	498.2	497.2	494.5	494.8	492.4	493.1	498.9	508.6
7.5°	486.9	480.7	473.1	469.6	466.5	463.4	463.1	462.8	465.5	470.7	480.0
10°	463.4	460.0	456.9	458.3	456.9	455.5	453.1	453.1	457.6	466.9	478.3
12.5°	463.4	462.8	463.4	467.6	467.2	467.6	464.5	466.2	478.6	494.5	510.6
15°	488.2	482.7	482.7	484.8	484.1	484.1	484.1	491.4	519.6	544.1	561.3
17.5°	518.6	502.4	495.5	494.5	494.1	494.1	495.5	511.0	555.1	580.9	590.9
20°	539.6	508.9	497.6	493.1	493.4	494.1	498.2	519.6	568.2	581.3	578.9
22.5°	543.4	503.8	490.0	483.4	484.5	485.1	491.4	514.1	550.3	552.3	547.5
25°	525.8	489.3	474.5	469.3	470.7	470.3	475.8	492.4	518.2	517.5	514.8
27.5°	499.6	466.2	455.2	451.7	454.1	451.4	453.1	465.9	485.8	485.1	484.1
30°	472.7	443.8	433.8	432.1	435.2	431.1	431.4	442.1	455.9	455.2	454.8
32.5°	445.9	421.4	412.4	412.4	415.5	411.1	411.8	421.1	430.4	427.6	427.6
35°	420.4	403.1	395.9	394.5	396.9	393.8	395.2	403.8	407.3	403.5	401.1
37.5°	398.0	390.4	383.2	378.3	378.7	379.0	383.2	389.7	387.6	382.1	379.0
40°	377.3	377.3	370.4	361.4	360.4	362.8	369.7	377.0	371.1	364.9	361.1
42.5°	362.5	365.6	359.0	350.1	348.0	352.1	359.7	364.9	358.0	351.1	345.9
45°	348.7	356.3	351.8	341.8	339.1	343.9	353.5	355.6	346.3	339.7	336.0
47.5°	339.1	349.4	346.3	336.6	332.5	339.4	349.4	349.0	337.3	330.4	327.3
50°	332.2	345.3	344.9	336.6	332.2	340.8	349.7	345.3	332.5	325.3	322.2
52.5°	326.6	344.9	347.3	342.5	339.4	347.0	352.5	343.9	329.1	321.5	319.1
55°	324.2	346.3	348.0	343.5	340.8	347.7	352.5	346.6	329.1	322.2	320.1
57.5°	324.9	344.6	344.9	338.7	333.9	342.5	350.1	348.4	332.9	324.9	322.5
60°	320.8	335.3	336.0	326.3	320.8	331.1	344.6	343.5	331.1	322.9	318.4
62.5°	307.0	319.8	320.1	311.1	303.2	318.0	332.9	332.5	321.1	312.9	307.7
65°	283.9	297.4	300.8	292.2	286.0	301.8	317.3	316.7	305.3	297.7	292.5
67.5°	255.3	269.8	276.3	270.5	268.1	282.5	297.0	296.7	287.4	280.1	275.7
70°	220.5	232.6	243.6	243.6	241.9	258.4	273.9	272.6	263.9	258.4	255.0
72.5°	191.6	200.9	204.3	207.8	212.9	230.2	243.3	244.3	238.1	235.3	238.1
75°	163.0	168.8	171.9	169.2	178.1	196.1	213.3	215.0	208.5	204.0	205.0
77.5°	134.0	140.6	143.7	137.5	136.8	159.5	180.6	184.3	178.8	171.9	174.0
80°	96.8	105.4	110.6	106.5	105.1	115.1	144.0	148.2	143.0	137.5	140.6
82.5°	59.3	64.1	65.5	69.6	78.2	82.4	92.7	106.5	102.7	97.9	106.5
85°	23.4	27.9	31.0	35.1	41.0	48.6	57.2	68.2	62.0	60.0	70.6
87.5°	1.4	0.3	0.0	0.7	5.9	11.4	24.5	33.8	28.3	30.3	36.5
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°	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0
2.5°	559.2	568.2	580.2	590.2	603.0	615.1	627.5	639.9	646.4	649.2
5°	519.6	536.1	555.4	576.8	601.6	627.8	654.3	681.6	698.8	700.2
7.5°	495.8	519.6	546.1	573.0	603.7	639.9	681.9	723.9	741.5	746.3
10°	503.4	529.9	551.0	576.1	609.9	655.0	704.6	753.9	774.2	780.1
12.5°	533.7	538.9	545.4	568.5	609.9	668.1	728.1	786.6	808.4	813.9
15°	558.9	534.1	522.4	546.8	601.6	679.5	752.9	817.7	843.8	849.0
17.5°	561.0	518.2	492.7	514.8	587.1	687.4	776.7	852.1	874.2	879.0
20°	539.9	501.3	468.3	481.7	567.5	690.9	793.9	877.3	899.0	903.8
22.5°	516.2	487.6	451.7	451.0	543.7	694.6	814.6	901.0	924.5	927.6
25°	493.8	468.6	438.3	428.6	516.2	701.9	842.5	936.9	954.8	955.8
27.5°	467.6	448.3	427.6	418.3	492.0	715.7	883.8	979.6	990.3	988.6
30°	443.8	429.3	420.0	417.3	476.9	726.0	923.1	1021.6	1022.3	1016.5
32.5°	418.6	413.1	413.1	422.1	464.5	723.6	955.1	1062.6	1056.1	1047.5
35°	396.3	397.3	404.5	425.5	443.8	699.5	985.8	1114.0	1104.3	1091.9
37.5°	374.9	382.8	393.1	413.5	416.6	663.6	1021.6	1186.7	1174.6	1159.1
40°	356.6	368.7	380.7	390.7	387.6	612.6	1071.6	1272.1	1258.7	1240.8
42.5°	342.2	353.9	367.3	368.3	369.4	559.6	1124.7	1376.9	1374.5	1354.8
45°	332.9	340.4	353.2	351.5	368.3	501.0	1173.6	1536.8	1568.5	1553.6
47.5°	326.6	332.5	333.9	341.1	377.3	448.6	1236.6	1849.6	1937.8	1921.0
50°	323.2	329.1	313.6	341.8	378.7	414.9	1323.8	2242.4	2384.4	2362.0
52.5°	322.9	321.5	298.0	349.0	371.1	394.2	1369.3	2529.1	2844.0	2892.6
55°	323.5	306.3	290.1	351.1	355.9	386.6	1217.0	2666.9	3268.2	3370.9
57.5°	317.3	289.8	294.6	342.8	327.3	406.9	899.7	2617.7	3437.7	3628.6
60°	305.6	273.9	302.9	320.4	298.0	372.1	619.5	2397.8	3262.0	3458.4
62.5°	288.7	262.9	301.8	291.5	287.4	304.6	425.9	2090.1	2983.3	3175.2
65°	269.8	253.9	285.6	263.6	266.0	234.3	301.2	1742.8	2650.4	2839.2
67.5°	249.5	248.4	261.9	234.6	224.7	185.7	219.5	1396.9	2222.8	2393.0
70°	226.4	234.0	238.1	208.5	182.3	145.8	163.0	976.8	1639.8	1788.0
72.5°	203.3	204.0	209.8	181.2	136.4	116.8	122.3	591.6	1114.0	1221.8
75°	179.9	173.3	178.8	147.5	101.6	95.8	94.4	365.6	769.4	854.5
77.5°	154.7	147.5	140.2	111.0	81.7	74.1	72.4	205.0	472.1	524.4
80°	125.8	116.1	104.7	81.3	59.6	53.1	52.7	99.9	235.3	262.2
82.5°	97.9	79.6	76.5	50.7	36.9	32.4	34.5	38.2	71.0	79.3
85°	68.6	57.9	40.7	20.3	16.5	13.4	13.1	11.4	19.0	21.0
87.5°	38.2	25.2	13.1	2.4	2.8	3.1	2.4	1.7	1.7	1.7
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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