

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: P629468

Luminaire Tested: GWS-SA1B-760-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629468
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-SA1B-760-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3423.7 lumens
Efficiency: N/A
Efficacy: 136.9 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

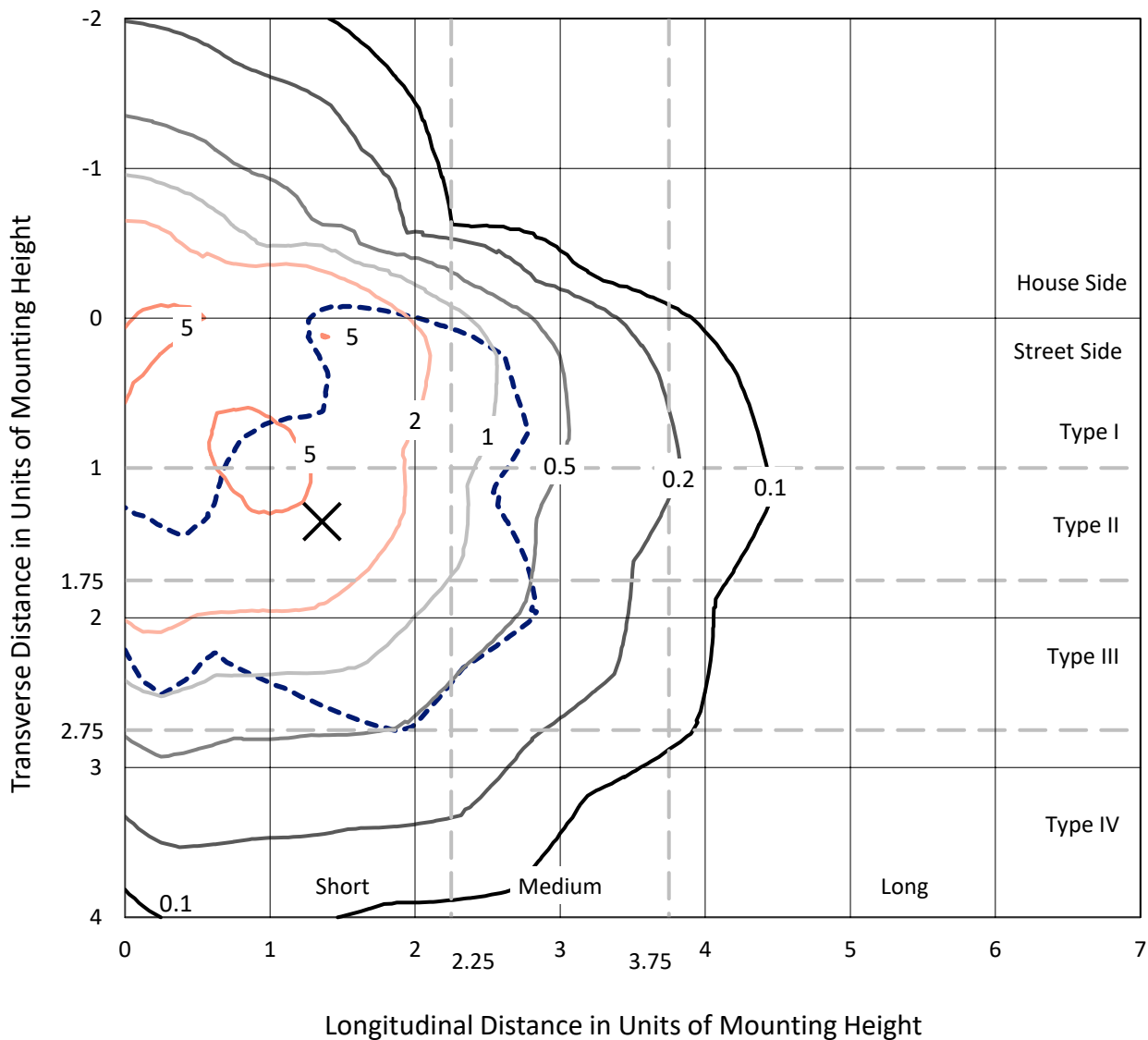
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

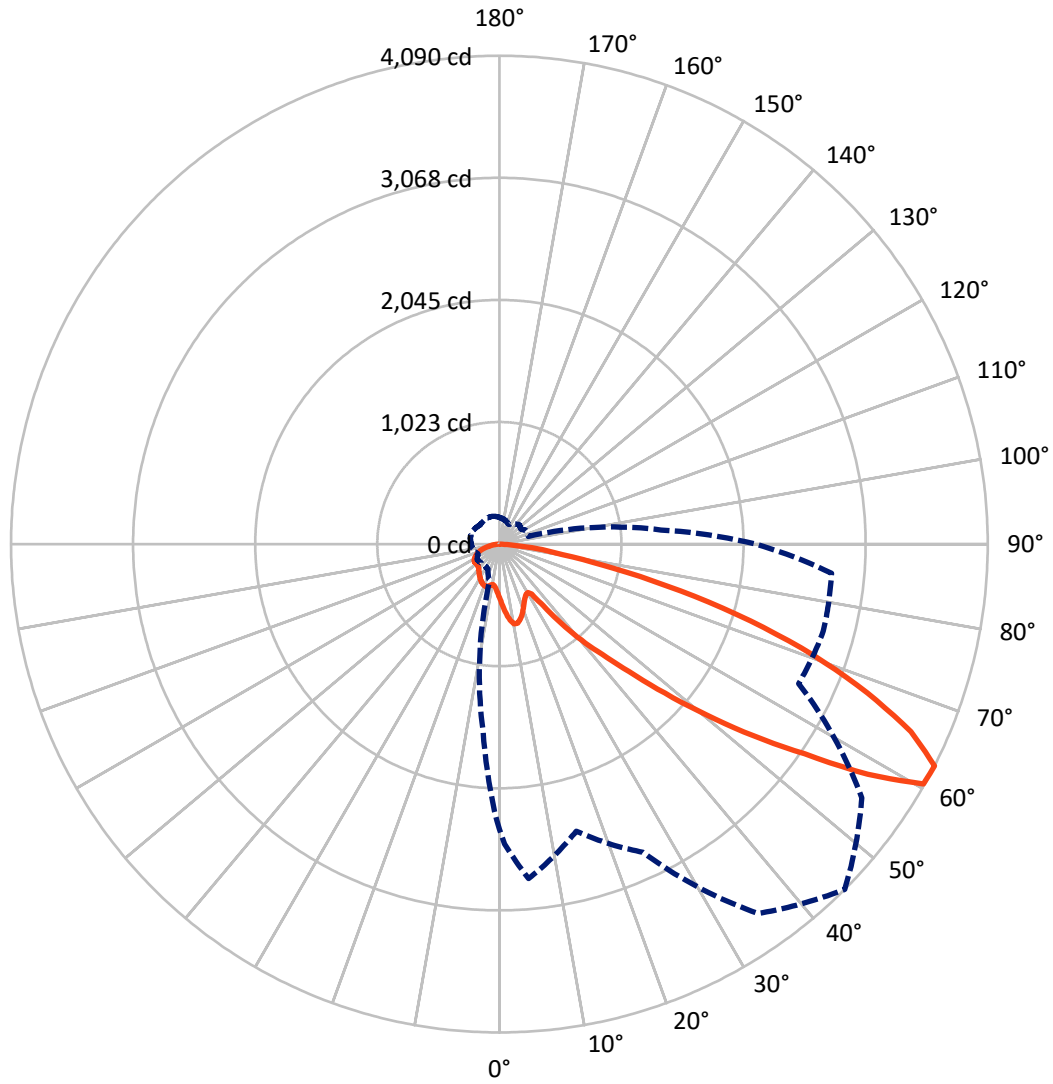
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 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	817.0	0.0	817.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2606.7	0.0	2606.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	3423.7	0.0	3423.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	1.3
10°-20°	139.1	4.1
20°-30°	216.1	6.3
30°-40°	293.4	8.6
40°-50°	465.0	13.6
50°-60°	820.2	24.0
60°-70°	912.6	26.7
70°-80°	462.8	13.5
80°-90°	70.1	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°	3423.7	100.0
0°-180°	3423.7	100.0

Coefficient of Utilization



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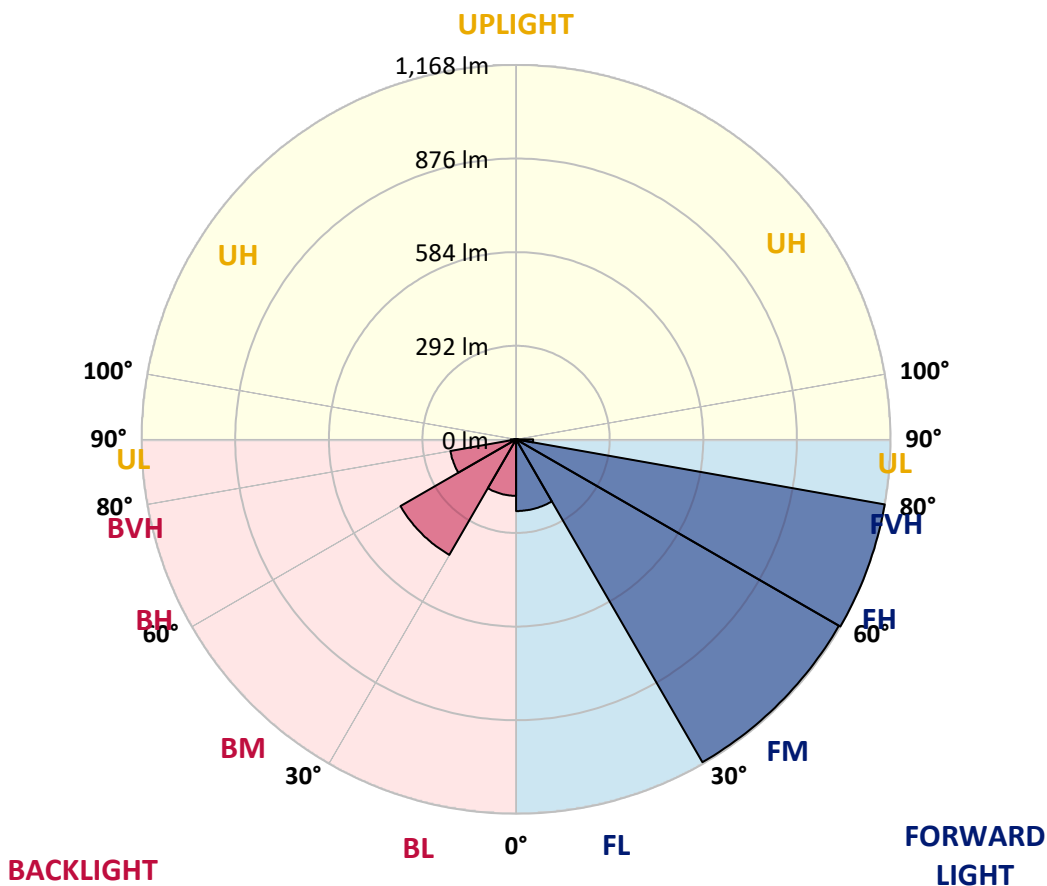
CATALOG NUMBER: GWS-SA1B-760-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.5	6.5			
FM (30°-60°)	1162.5	34.0			
FH (60°-80°)	1167.5	34.1			G1/1800
FVH (80°-90°)	53.2	1.6			G1/100
BL (0°-30°)	176.0	5.1	B1/500		
BM (30°-60°)	416.1	12.2	B1/1000		
BH (60°-80°)	208.0	6.1	B1/500		G1/500
BVH (80°-90°)	16.9	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°	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4
2.5°	488.4	488.1	493.0	500.5	507.5	510.6	515.8	515.3	511.2	505.7	503.9
5°	526.7	527.8	536.3	552.9	571.3	579.1	582.4	581.1	573.6	564.0	547.2
7.5°	561.4	563.3	576.5	601.4	624.2	634.5	642.8	641.3	630.4	612.5	587.6
10°	586.9	588.9	604.7	634.0	659.4	668.5	679.1	679.6	670.1	646.0	620.5
12.5°	612.3	614.3	629.1	655.8	672.4	672.6	678.9	682.2	682.8	671.6	646.2
15°	638.7	640.5	654.0	669.0	668.2	653.7	653.7	660.2	674.5	682.5	664.9
17.5°	661.2	663.6	673.9	669.0	646.0	619.8	616.7	625.0	649.8	680.7	678.9
20°	679.9	681.7	687.4	654.8	612.8	578.6	572.6	582.2	615.9	669.5	689.5
22.5°	697.8	698.8	695.7	636.1	577.0	537.9	530.6	540.7	577.0	649.8	698.6
25°	719.0	718.0	703.2	616.7	544.3	505.7	498.2	509.6	547.5	623.7	708.4
27.5°	743.7	739.8	709.7	595.7	519.2	481.9	476.7	488.9	524.1	599.6	716.2
30°	764.7	757.2	710.8	577.0	506.2	471.8	468.7	480.1	512.7	583.2	726.0
32.5°	788.0	777.6	716.7	572.1	513.5	496.1	500.3	501.1	515.8	578.6	740.8
35°	821.4	808.0	733.0	586.3	588.1	617.4	632.5	612.3	562.7	588.9	768.8
37.5°	872.0	854.9	766.2	648.0	742.4	808.0	844.2	798.1	705.3	628.1	811.1
40°	933.4	911.6	808.7	762.1	886.5	991.5	1056.0	988.4	852.0	725.8	870.4
42.5°	1019.2	996.4	891.2	874.1	1020.0	1176.3	1260.5	1159.7	981.4	852.0	965.6
45°	1168.8	1146.7	1042.3	986.3	1176.3	1403.9	1522.1	1381.8	1112.8	978.8	1143.4
47.5°	1445.1	1419.2	1266.8	1110.7	1354.6	1699.4	1864.8	1660.5	1249.4	1123.9	1442.0
50°	1776.9	1752.0	1548.5	1257.9	1551.6	2015.4	2245.3	1987.9	1406.7	1300.5	1798.9
52.5°	2176.1	2171.4	1950.6	1444.1	1756.7	2352.3	2667.5	2350.5	1579.1	1538.2	2203.3
55°	2535.9	2581.5	2461.2	1727.9	2021.6	2775.6	3101.7	2746.1	1812.9	1931.1	2676.9
57.5°	2729.7	2852.3	3037.2	2307.0	2406.8	3281.6	3637.5	3229.0	2214.7	2585.4	3116.0
60°	2601.7	2740.6	3075.5	2743.0	2788.8	3687.0	4079.7	3634.9	2609.2	3039.5	3091.1
62.5°	2388.6	2513.3	2811.1	2488.4	2847.9	3776.2	4090.1	3705.7	2766.0	2809.1	2792.2
65°	2135.9	2261.6	2577.1	2172.2	2660.0	3564.4	3788.4	3497.5	2484.3	2537.9	2544.1
67.5°	1800.2	1916.3	2237.5	1931.4	2424.6	3253.6	3325.1	3201.0	2287.8	2373.3	2283.9
70°	1345.0	1449.8	1733.3	1569.5	2043.9	2848.7	2790.9	2809.3	2067.2	2152.2	1907.8
72.5°	919.2	998.0	1241.1	1233.3	1565.1	2280.5	2199.9	2374.4	1726.6	1839.4	1454.4
75°	642.8	704.3	897.1	974.4	1183.0	1690.3	1566.7	1777.1	1348.4	1509.4	1061.2
77.5°	394.5	435.2	566.6	721.9	761.0	1156.9	973.1	1337.3	946.9	1100.9	707.9
80°	197.3	217.0	275.3	453.9	504.7	681.7	537.3	776.3	640.8	681.7	391.7
82.5°	59.6	65.8	80.6	172.4	261.5	392.4	317.5	451.0	349.9	319.6	154.2
85°	15.8	17.9	22.3	51.1	91.8	140.8	107.3	218.5	167.7	117.9	58.1
87.5°	1.3	1.3	1.0	1.0	0.5	0.0	0.0	15.6	31.4	17.9	10.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4
2.5°	494.8	493.8	483.2	475.4	466.3	457.5	448.4	440.4	431.3	422.3	419.7
5°	534.7	527.5	504.9	486.0	467.4	451.0	436.8	422.0	410.1	398.4	394.0
7.5°	570.0	557.3	524.6	495.9	469.9	449.7	428.7	407.2	390.4	373.8	369.6
10°	601.9	585.0	543.8	507.5	478.8	455.7	431.1	402.3	377.9	357.7	352.3
12.5°	625.5	607.1	560.4	518.7	486.0	460.1	435.7	410.3	384.7	358.5	352.5
15°	644.1	625.0	574.1	527.2	486.3	452.8	429.3	420.4	412.4	386.7	375.9
17.5°	659.2	639.0	586.1	532.4	479.3	430.8	410.3	423.3	443.8	427.7	407.2
20°	672.9	652.4	595.1	536.0	463.7	400.5	389.1	416.6	447.4	446.9	428.5
22.5°	687.9	668.0	608.4	538.1	442.0	369.6	376.4	406.7	431.8	439.4	428.0
25°	707.1	689.5	626.8	542.8	417.3	348.4	367.0	394.0	415.0	416.8	410.1
27.5°	729.4	716.2	654.2	553.7	393.5	337.5	356.2	376.1	395.3	396.1	388.0
30°	753.8	745.0	679.6	562.7	375.6	334.1	342.2	358.2	370.4	372.5	365.5
32.5°	784.9	777.1	702.2	556.8	365.0	333.3	329.2	337.5	347.6	347.6	342.2
35°	827.7	816.8	726.0	534.0	352.0	330.2	315.5	317.8	322.2	323.0	319.9
37.5°	888.3	870.4	750.2	488.9	330.8	319.1	299.6	296.8	298.4	300.4	299.6
40°	963.5	934.2	785.4	434.7	305.3	297.6	283.3	277.9	276.6	280.7	282.3
42.5°	1058.1	1013.3	823.3	384.1	282.3	272.9	264.1	259.5	257.4	264.4	268.5
45°	1209.2	1135.3	859.5	334.1	269.3	252.0	246.0	242.6	243.7	252.0	257.1
47.5°	1470.2	1321.7	894.0	302.5	268.3	236.9	229.7	230.4	233.3	242.1	248.3
50°	1800.5	1571.3	917.1	289.3	271.4	227.8	218.3	222.4	226.8	235.4	242.6
52.5°	2136.7	1803.8	889.6	282.0	271.1	228.1	207.6	220.1	222.1	230.7	238.5
55°	2367.9	1829.8	768.6	270.9	267.0	238.5	199.3	219.0	220.3	228.1	235.1
57.5°	2456.0	1741.1	586.1	274.0	254.5	246.5	195.7	211.8	221.1	227.8	235.1
60°	2349.5	1573.9	356.2	282.0	234.6	246.0	198.0	198.6	214.6	226.0	233.3
62.5°	2148.6	1359.3	250.1	259.2	220.1	232.3	203.5	183.0	203.2	217.0	223.4
65°	1918.4	1106.8	190.8	223.2	213.1	211.0	205.3	169.3	187.7	201.1	206.8
67.5°	1678.6	860.3	155.0	166.4	192.6	190.8	187.7	157.1	169.3	178.9	185.3
70°	1376.7	601.9	130.9	124.9	165.1	171.1	164.1	141.8	145.7	155.5	160.7
72.5°	1007.0	375.1	107.6	103.2	132.7	149.6	145.9	124.9	126.8	136.1	140.2
75°	724.2	214.6	86.3	85.0	101.4	128.0	120.8	107.6	109.6	116.6	119.5
77.5°	460.4	119.5	66.6	68.4	72.6	95.6	103.2	92.0	92.0	96.2	98.5
80°	246.5	68.4	48.7	49.5	50.8	73.1	81.4	71.3	71.3	68.4	71.3
82.5°	100.6	39.4	33.4	31.1	34.0	50.0	57.0	45.4	47.4	42.8	43.8
85°	33.2	19.7	16.6	16.3	16.1	22.0	27.5	22.6	27.0	17.1	17.9
87.5°	4.4	3.6	2.1	1.6	1.8	0.8	1.6	1.8	1.8	1.3	1.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4
2.5°	417.8	415.8	408.3	410.1	408.8	406.7	408.8	404.9	408.0	409.0	415.5
5°	390.6	385.7	378.4	374.8	374.0	372.0	372.2	370.4	370.9	375.3	382.6
7.5°	366.3	361.6	355.9	353.3	351.0	348.6	348.4	348.1	350.2	354.1	361.1
10°	348.6	346.0	343.7	344.7	343.7	342.7	340.9	340.9	344.2	351.2	359.8
12.5°	348.6	348.1	348.6	351.7	351.5	351.7	349.4	350.7	360.0	372.0	384.1
15°	367.3	363.2	363.2	364.7	364.2	364.2	364.2	369.6	390.9	409.3	422.3
17.5°	390.1	377.9	372.7	372.0	371.7	371.7	372.7	384.4	417.6	437.0	444.5
20°	405.9	382.9	374.3	370.9	371.2	371.7	374.8	390.9	427.4	437.3	435.5
22.5°	408.8	379.0	368.6	363.7	364.4	365.0	369.6	386.7	414.0	415.5	411.9
25°	395.6	368.1	356.9	353.0	354.1	353.8	358.0	370.4	389.9	389.3	387.3
27.5°	375.9	350.7	342.4	339.8	341.6	339.6	340.9	350.5	365.5	365.0	364.2
30°	355.6	333.9	326.3	325.0	327.4	324.3	324.5	332.6	342.9	342.4	342.2
32.5°	335.4	317.0	310.3	310.3	312.6	309.2	309.8	316.8	323.8	321.7	321.7
35°	316.2	303.3	297.8	296.8	298.6	296.3	297.3	303.8	306.4	303.5	301.7
37.5°	299.4	293.7	288.2	284.6	284.9	285.1	288.2	293.2	291.6	287.5	285.1
40°	283.8	283.8	278.7	271.9	271.1	272.9	278.1	283.6	279.2	274.5	271.7
42.5°	272.7	275.0	270.1	263.4	261.8	264.9	270.6	274.5	269.3	264.1	260.2
45°	262.3	268.0	264.7	257.1	255.1	258.7	265.9	267.5	260.5	255.6	252.7
47.5°	255.1	262.8	260.5	253.2	250.1	255.3	262.8	262.6	253.8	248.6	246.2
50°	249.9	259.7	259.5	253.2	249.9	256.4	263.1	259.7	250.1	244.7	242.4
52.5°	245.7	259.5	261.3	257.7	255.3	261.0	265.2	258.7	247.5	241.8	240.0
55°	243.9	260.5	261.8	258.4	256.4	261.5	265.2	260.8	247.5	242.4	240.8
57.5°	244.4	259.2	259.5	254.8	251.2	257.7	263.4	262.1	250.4	244.4	242.6
60°	241.3	252.2	252.7	245.5	241.3	249.1	259.2	258.4	249.1	242.9	239.5
62.5°	231.0	240.5	240.8	234.1	228.1	239.3	250.4	250.1	241.6	235.4	231.5
65°	213.6	223.7	226.3	219.8	215.1	227.1	238.7	238.2	229.7	224.0	220.1
67.5°	192.1	203.0	207.9	203.5	201.7	212.6	223.4	223.2	216.2	210.7	207.4
70°	165.9	175.0	183.3	183.3	182.0	194.4	206.1	205.0	198.6	194.4	191.8
72.5°	144.1	151.1	153.7	156.3	160.2	173.2	183.0	183.8	179.1	177.0	179.1
75°	122.6	127.0	129.3	127.3	134.0	147.5	160.5	161.7	156.8	153.5	154.2
77.5°	100.8	105.8	108.1	103.4	102.9	120.0	135.8	138.7	134.5	129.3	130.9
80°	72.8	79.3	83.2	80.1	79.1	86.6	108.3	111.5	107.6	103.4	105.8
82.5°	44.6	48.2	49.2	52.4	58.8	62.0	69.7	80.1	77.2	73.6	80.1
85°	17.6	21.0	23.3	26.4	30.8	36.5	43.0	51.3	46.7	45.1	53.1
87.5°	1.0	0.3	0.0	0.5	4.4	8.6	18.4	25.4	21.3	22.8	27.5
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°	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4
2.5°	420.7	427.4	436.5	444.0	453.6	462.7	472.0	481.4	486.3	488.4
5°	390.9	403.3	417.8	433.9	452.6	472.3	492.2	512.7	525.7	526.7
7.5°	373.0	390.9	410.8	431.1	454.1	481.4	513.0	544.6	557.8	561.4
10°	378.7	398.7	414.5	433.4	458.8	492.8	530.1	567.2	582.4	586.9
12.5°	401.5	405.4	410.3	427.7	458.8	502.6	547.7	591.8	608.1	612.3
15°	420.4	401.8	393.0	411.4	452.6	511.2	566.4	615.1	634.8	638.7
17.5°	422.0	389.9	370.7	387.3	441.7	517.1	584.3	641.0	657.6	661.2
20°	406.2	377.2	352.3	362.4	426.9	519.7	597.2	659.9	676.3	679.9
22.5°	388.3	366.8	339.8	339.3	409.0	522.6	612.8	677.8	695.5	697.8
25°	371.4	352.5	329.7	322.5	388.3	528.0	633.8	704.8	718.3	719.0
27.5°	351.7	337.2	321.7	314.7	370.2	538.4	664.9	736.9	745.0	743.7
30°	333.9	323.0	316.0	313.9	358.7	546.2	694.4	768.6	769.1	764.7
32.5°	314.9	310.8	310.8	317.5	349.4	544.3	718.5	799.4	794.5	788.0
35°	298.1	298.9	304.3	320.1	333.9	526.2	741.6	838.0	830.8	821.4
37.5°	282.0	288.0	295.8	311.1	313.4	499.2	768.6	892.7	883.6	872.0
40°	268.3	277.4	286.4	293.9	291.6	460.9	806.1	957.0	946.9	933.4
42.5°	257.4	266.2	276.3	277.1	277.9	421.0	846.1	1035.8	1034.0	1019.2
45°	250.4	256.1	265.7	264.4	277.1	376.9	882.9	1156.1	1179.9	1168.8
47.5°	245.7	250.1	251.2	256.6	283.8	337.5	930.3	1391.4	1457.8	1445.1
50°	243.1	247.5	235.9	257.1	284.9	312.1	995.9	1686.9	1793.7	1776.9
52.5°	242.9	241.8	224.2	262.6	279.2	296.5	1030.1	1902.6	2139.5	2176.1
55°	243.4	230.4	218.3	264.1	267.8	290.8	915.5	2006.3	2458.6	2535.9
57.5°	238.7	218.0	221.6	257.9	246.2	306.1	676.8	1969.2	2586.1	2729.7
60°	229.9	206.1	227.8	241.1	224.2	279.9	466.1	1803.8	2453.9	2601.7
62.5°	217.2	197.8	227.1	219.3	216.2	229.1	320.4	1572.4	2244.2	2388.6
65°	203.0	191.0	214.9	198.3	200.1	176.3	226.5	1311.1	1993.8	2135.9
67.5°	187.7	186.9	197.0	176.5	169.0	139.7	165.1	1050.8	1672.2	1800.2
70°	170.3	176.0	179.1	156.8	137.1	109.6	122.6	734.9	1233.6	1345.0
72.5°	152.9	153.5	157.9	136.3	102.6	87.9	92.0	445.1	838.0	919.2
75°	135.3	130.4	134.5	110.9	76.5	72.1	71.0	275.0	578.8	642.8
77.5°	116.4	110.9	105.5	83.5	61.4	55.7	54.4	154.2	355.1	394.5
80°	94.6	87.4	78.8	61.2	44.8	39.9	39.7	75.2	177.0	197.3
82.5°	73.6	59.9	57.5	38.1	27.7	24.4	25.9	28.8	53.4	59.6
85°	51.6	43.5	30.6	15.3	12.4	10.1	9.8	8.6	14.3	15.8
87.5°	28.8	18.9	9.8	1.8	2.1	2.3	1.8	1.3	1.3	1.3
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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