

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: P629903

Luminaire Tested: GWS-SA1C-750-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2623 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

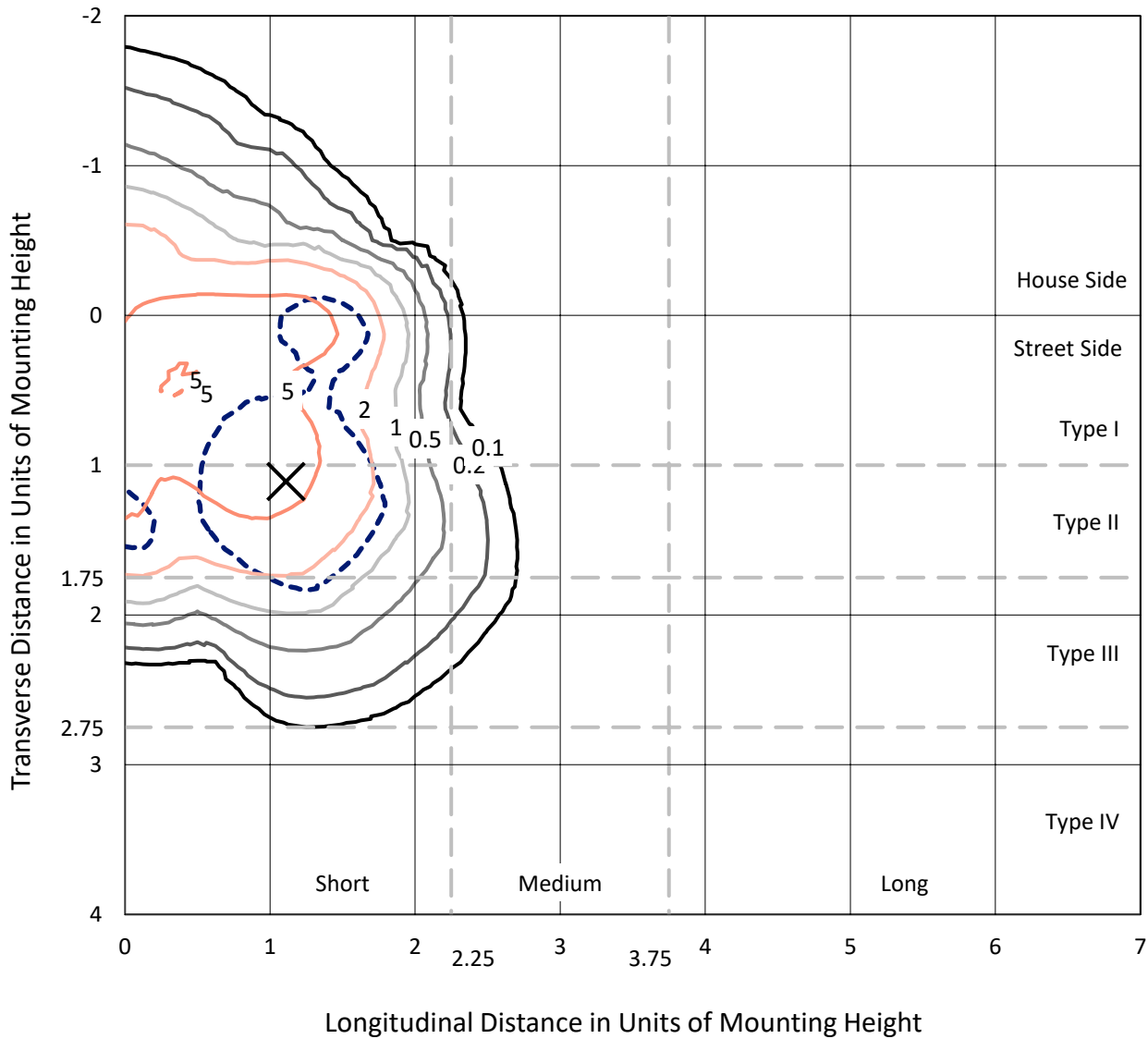
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

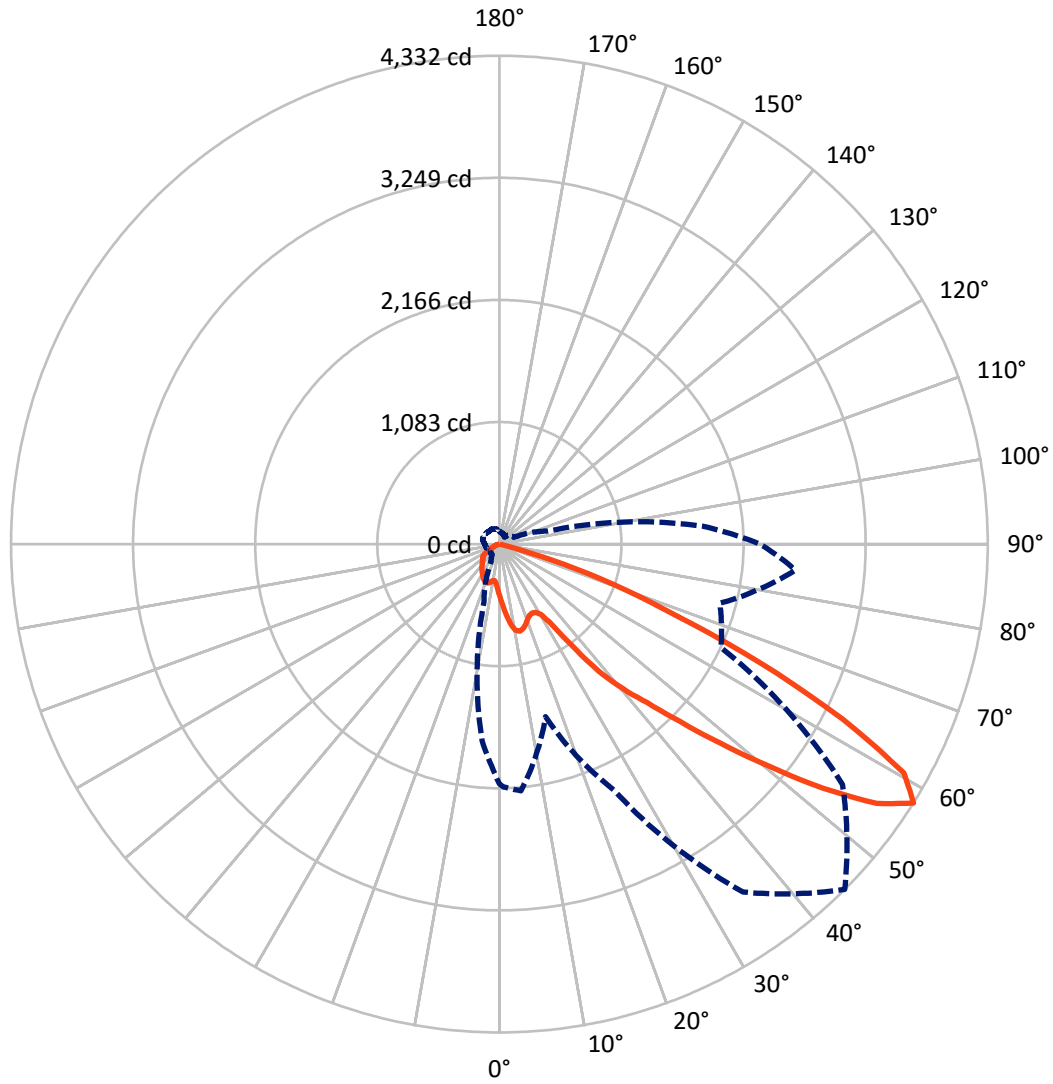
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	587.4	0.0	587.4
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	2035.6	0.0	2035.6
	% Fixture	77.6	0.0	77.6
Total	Lumens	2623.0	0.0	2623.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	1.7
10°-20°	146.7	5.6
20°-30°	238.3	9.1
30°-40°	368.3	14.0
40°-50°	590.5	22.5
50°-60°	807.1	30.8
60°-70°	390.9	14.9
70°-80°	35.8	1.4
80°-90°	0.1	0.0
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°	2623.0	100.0
0°-180°	2623.0	100.0

Coefficient of Utilization



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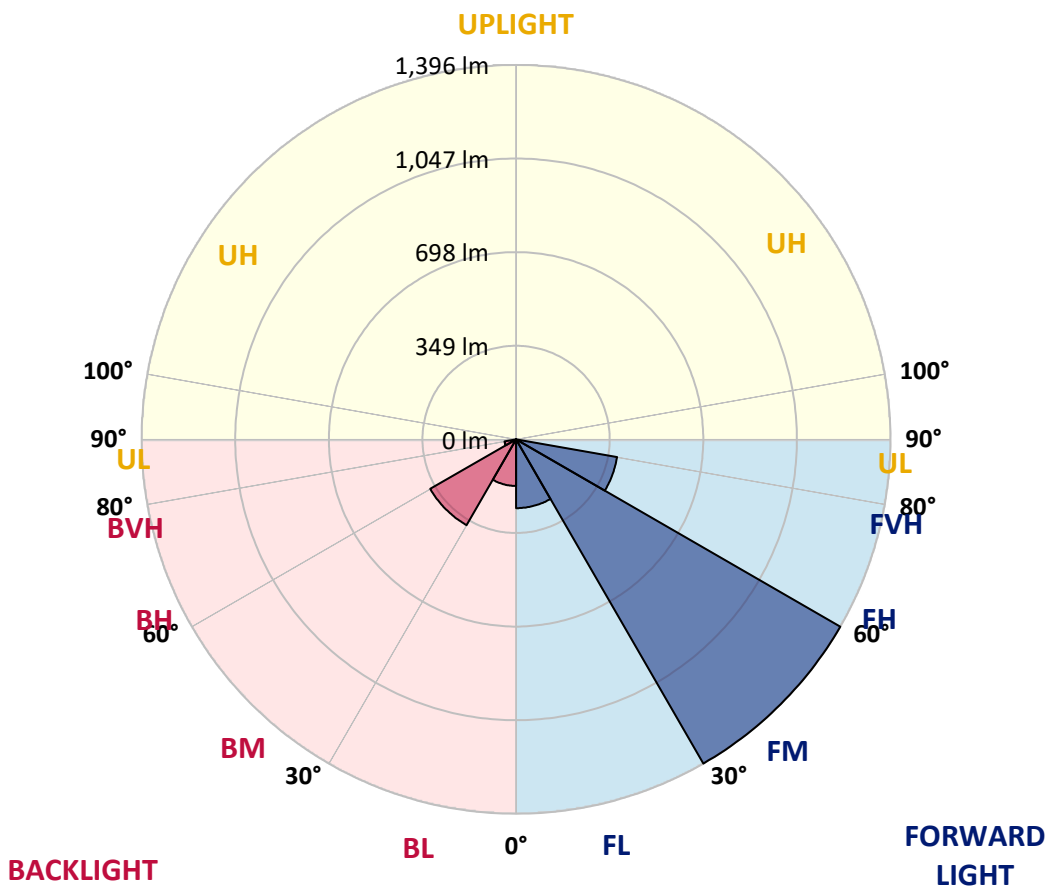
CATALOG NUMBER: GWS-SA1C-750-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.6	9.8			
FM (30°-60°)	1396.3	53.2			
FH (60°-80°)	382.6	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	173.8	6.6	B1/500		
BM (30°-60°)	369.5	14.1	B1/1000		
BH (60°-80°)	44.0	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0
2.5°	499.4	502.6	507.9	519.2	528.7	535.0	537.9	537.2	533.3	530.5	524.8
5°	553.0	553.0	563.2	589.0	608.7	621.0	627.4	623.5	615.8	603.4	584.4
7.5°	599.9	601.7	618.9	655.6	685.5	703.2	713.4	711.3	697.5	673.9	635.8
10°	636.5	638.7	661.6	706.3	741.6	759.6	774.7	776.1	761.0	729.6	685.9
12.5°	672.1	674.3	698.2	741.2	772.2	779.6	793.0	798.3	794.4	772.2	726.8
15°	710.6	715.5	735.9	768.0	781.1	772.2	781.1	790.6	803.6	801.5	760.6
17.5°	748.3	751.8	772.6	783.9	769.4	746.5	750.7	762.0	791.6	820.5	794.1
20°	783.2	788.1	805.4	790.6	746.9	711.3	711.6	726.4	771.5	832.2	828.3
22.5°	819.8	827.2	839.6	798.0	726.1	683.4	685.2	698.6	755.7	843.1	867.1
25°	867.8	874.8	882.9	816.3	719.4	669.7	676.4	688.7	755.7	861.8	915.0
27.5°	932.6	937.5	937.9	850.5	731.0	671.8	685.9	700.0	778.2	899.1	979.1
30°	1014.0	1021.8	1011.6	903.7	767.3	700.0	720.8	738.4	826.9	962.2	1073.6
32.5°	1113.1	1124.0	1110.3	982.7	843.1	797.3	835.0	845.2	904.4	1053.5	1180.7
35°	1229.4	1238.6	1223.7	1091.9	1020.0	1028.5	1096.9	1083.8	1060.2	1165.9	1305.9
37.5°	1357.0	1365.4	1336.9	1257.6	1281.6	1318.2	1427.5	1382.7	1306.6	1310.8	1441.6
40°	1474.0	1483.2	1438.4	1437.7	1487.0	1554.0	1685.8	1624.1	1520.5	1500.4	1568.8
42.5°	1595.2	1601.6	1561.1	1533.6	1645.6	1783.5	1923.0	1839.9	1662.2	1640.4	1728.1
45°	1768.3	1781.7	1709.4	1580.8	1788.4	2047.5	2242.0	2079.5	1758.8	1741.2	1972.0
47.5°	2022.8	2032.6	1885.3	1610.4	1921.3	2376.3	2640.6	2390.4	1843.7	1803.5	2305.5
50°	2233.2	2239.9	2047.1	1642.8	2062.6	2730.9	3095.0	2759.1	1939.2	1906.8	2616.7
52.5°	2388.3	2413.7	2259.6	1709.4	2248.4	3147.8	3597.9	3195.8	2088.3	2106.3	2874.7
55°	2420.4	2454.9	2404.8	1750.3	2411.9	3572.6	4062.5	3586.7	2237.1	2257.5	2961.4
57.5°	2127.1	2154.6	2196.2	1585.4	2408.0	3767.1	4332.1	3716.4	2169.4	2024.5	2636.8
60°	1593.5	1612.5	1687.9	1211.8	2214.5	3595.1	4122.0	3495.7	1897.0	1544.8	2009.0
62.5°	945.0	953.4	1048.9	784.9	1838.1	3096.0	3418.5	3016.4	1499.0	1039.1	1230.4
65°	362.7	359.2	432.1	387.4	1351.7	2466.2	2542.7	2299.5	1028.5	476.2	469.1
67.5°	56.0	53.6	72.3	114.6	974.9	1709.1	1677.7	1657.3	644.3	111.0	96.9
70°	12.7	12.7	15.5	33.8	595.7	1004.2	1074.7	1024.6	412.4	23.6	12.7
72.5°	6.0	6.0	7.4	14.5	215.7	413.8	482.2	474.8	133.9	7.8	4.6
75°	2.1	2.5	2.5	3.2	13.0	21.5	49.3	35.2	8.5	0.0	0.0
77.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0
2.5°	512.5	510.0	500.8	488.5	476.5	466.0	455.0	442.0	432.5	421.5	418.0
5°	569.6	554.1	529.0	503.0	479.0	458.6	438.8	417.7	402.2	386.7	381.4
7.5°	617.9	595.0	554.4	515.3	482.5	453.6	425.1	396.2	373.6	355.3	349.6
10°	661.2	634.8	580.5	532.2	491.0	457.5	423.0	386.7	357.4	335.5	330.3
12.5°	698.6	667.9	602.7	544.9	494.5	456.1	422.6	393.7	367.3	342.2	335.5
15°	729.9	696.1	621.4	553.4	489.2	438.5	409.2	404.6	402.5	375.0	362.0
17.5°	760.6	722.5	636.5	557.2	474.4	407.4	386.3	407.1	429.3	411.3	394.8
20°	792.7	749.3	652.1	557.9	449.7	372.6	369.0	401.8	430.0	424.4	408.9
22.5°	830.4	782.8	671.4	557.6	418.7	342.9	356.3	391.6	414.5	414.1	401.8
25°	885.0	825.1	697.5	559.7	384.9	320.0	342.2	374.3	393.0	392.3	382.1
27.5°	943.5	875.5	731.4	565.0	356.0	306.6	325.7	350.7	366.9	366.2	357.4
30°	1025.7	933.7	763.8	565.3	335.2	299.6	307.3	324.6	340.1	338.4	331.7
32.5°	1125.4	999.2	790.9	545.3	322.2	292.9	288.3	297.1	309.1	306.6	304.9
35°	1246.0	1077.1	814.2	501.2	302.1	279.5	267.2	268.9	277.4	278.8	278.1
37.5°	1383.4	1169.8	843.1	443.0	274.9	260.1	243.6	242.1	247.1	251.7	255.2
40°	1519.1	1274.2	882.2	384.2	250.2	235.4	219.6	216.1	218.2	226.3	233.7
42.5°	1671.7	1395.0	924.5	333.8	233.3	208.3	193.1	186.5	192.4	205.5	214.3
45°	1891.7	1564.6	965.7	293.6	226.3	184.3	163.9	163.2	169.9	186.8	196.7
47.5°	2200.4	1783.8	992.9	262.2	225.9	165.7	141.3	145.6	153.3	169.9	181.2
50°	2501.4	2058.4	962.9	238.3	218.5	153.3	124.4	132.9	140.6	155.1	166.7
52.5°	2682.9	2206.1	846.3	215.7	195.6	147.7	107.9	122.7	124.1	137.1	149.4
55°	2663.9	2110.5	648.2	180.8	161.8	139.6	90.6	110.7	111.4	121.2	131.8
57.5°	2312.2	1812.0	445.2	146.6	121.6	115.3	74.7	93.4	100.1	106.1	113.8
60°	1723.2	1322.1	198.4	119.1	77.2	77.9	63.8	70.5	80.7	87.8	94.5
62.5°	1015.4	760.6	80.7	71.5	42.6	49.0	51.5	51.5	57.8	63.1	67.3
65°	383.8	266.1	32.8	36.0	22.2	22.9	30.3	37.4	42.3	46.9	52.5
67.5°	67.3	46.5	16.9	13.4	13.0	11.6	15.5	24.3	27.1	30.7	33.1
70°	11.3	9.5	7.0	6.7	6.0	6.3	10.2	17.3	19.0	20.1	21.1
72.5°	3.2	2.8	2.1	1.8	1.4	1.8	6.3	13.4	14.1	14.8	15.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	9.5	10.2	10.6	11.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.8	3.5	2.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0
2.5°	415.9	408.9	405.0	402.9	402.9	400.0	396.9	395.8	400.4	400.4	408.2
5°	374.7	369.0	362.7	358.8	352.8	353.9	350.3	350.0	354.6	356.7	364.8
7.5°	346.1	339.1	335.2	332.7	329.6	328.1	325.0	323.9	326.4	329.9	337.7
10°	327.1	326.0	325.7	327.4	327.4	325.7	322.9	321.1	321.8	328.5	337.3
12.5°	332.0	334.1	334.8	337.7	339.1	337.7	335.5	336.2	340.8	353.2	366.2
15°	353.5	351.8	351.1	352.5	353.5	352.1	351.4	356.7	372.6	390.2	405.0
17.5°	376.4	365.2	360.2	360.2	360.9	360.2	360.9	371.1	396.9	414.5	425.4
20°	388.1	367.3	359.5	357.7	359.2	359.5	362.0	373.6	401.8	414.1	416.6
22.5°	384.5	358.5	349.6	348.2	349.6	351.1	353.5	363.4	389.8	396.2	395.1
25°	366.9	341.2	334.1	334.1	337.3	337.0	338.0	345.1	366.9	370.8	369.0
27.5°	344.7	320.4	314.4	317.9	320.7	320.0	320.4	326.4	342.6	343.7	341.9
30°	322.2	301.0	295.4	299.6	303.5	302.8	303.1	309.1	319.3	318.3	315.8
32.5°	299.2	283.7	279.5	282.0	288.0	287.3	288.7	295.0	298.9	294.3	291.5
35°	278.1	270.0	266.8	268.2	272.8	273.9	276.3	280.6	280.6	274.9	270.0
37.5°	258.4	257.3	255.2	253.4	257.6	260.8	264.3	269.3	262.2	254.1	249.5
40°	240.0	244.6	241.8	237.2	239.7	244.3	251.3	255.2	246.7	238.6	230.9
42.5°	223.1	230.9	229.8	224.2	226.3	230.5	238.6	241.8	231.9	222.8	215.4
45°	206.9	217.8	218.5	211.5	213.6	217.8	227.3	228.4	215.7	205.8	200.6
47.5°	192.8	204.8	205.1	199.8	200.6	206.5	215.4	215.7	201.3	192.1	185.4
50°	179.4	193.1	194.2	189.6	190.3	197.4	204.8	203.4	187.9	178.3	172.4
52.5°	163.2	181.9	184.3	182.2	185.0	190.7	195.3	190.3	172.4	162.8	157.6
55°	145.6	169.9	175.2	173.8	176.9	181.5	182.6	179.4	156.8	147.3	142.4
57.5°	125.1	139.9	149.1	146.3	148.7	153.3	156.5	154.0	137.1	129.7	125.5
60°	103.6	113.5	115.6	111.0	108.9	117.0	124.4	121.2	106.8	102.2	97.3
62.5°	75.8	87.1	88.5	82.5	80.0	88.8	95.2	92.0	76.1	71.2	67.3
65°	60.6	71.2	74.0	68.4	67.0	73.7	77.5	69.8	58.5	53.2	49.0
67.5°	39.8	48.3	55.7	55.3	52.5	54.6	51.8	45.5	37.4	34.5	31.7
70°	24.7	29.6	34.2	36.0	35.6	34.9	31.0	26.4	24.0	22.9	21.5
72.5°	19.0	24.0	27.5	28.5	28.9	27.8	24.7	20.4	18.0	16.6	15.5
75°	14.1	18.0	20.8	22.2	22.9	22.2	19.0	16.2	13.7	12.7	11.6
77.5°	4.9	6.0	7.4	8.1	7.8	7.4	6.7	6.7	5.3	4.9	4.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0
2.5°	417.0	423.3	434.9	445.5	456.8	468.4	481.1	494.2	500.1	499.4
5°	377.1	390.9	409.9	430.7	454.0	479.0	506.8	535.4	547.7	553.0
7.5°	352.1	371.5	396.5	423.0	453.6	489.2	531.2	575.9	593.9	599.9
10°	355.3	377.8	398.6	424.4	457.1	503.3	555.5	608.7	629.8	636.5
12.5°	381.0	385.9	391.6	412.7	454.0	513.9	577.7	641.1	665.4	672.1
15°	404.3	381.4	370.8	390.2	442.7	521.3	600.2	676.0	702.8	710.6
17.5°	405.3	370.8	347.2	362.3	424.4	524.5	622.4	711.6	740.9	748.3
20°	392.3	359.2	328.8	329.2	399.3	523.8	640.8	743.7	776.5	783.2
22.5°	373.3	345.4	314.0	303.1	372.6	522.3	660.9	777.9	813.5	819.8
25°	352.1	327.8	299.9	283.4	345.8	523.8	689.1	822.6	861.8	867.8
27.5°	329.2	308.4	289.0	275.6	323.2	529.0	722.9	879.7	926.3	932.6
30°	305.2	289.7	282.0	273.9	309.1	530.5	759.6	946.4	1005.2	1014.0
32.5°	281.6	273.2	273.5	274.9	295.7	520.6	793.0	1020.4	1099.0	1113.1
35°	259.8	257.3	264.3	271.4	276.3	495.2	822.3	1107.8	1214.9	1229.4
37.5°	241.1	243.2	252.0	259.1	255.2	459.3	861.1	1217.1	1344.6	1357.0
40°	223.1	228.4	238.6	241.8	239.0	417.3	907.6	1322.4	1457.1	1474.0
42.5°	206.5	210.4	224.9	225.6	234.4	374.7	952.4	1435.9	1586.4	1595.2
45°	193.1	192.4	207.2	211.8	240.4	327.4	996.1	1587.1	1755.6	1768.3
47.5°	180.1	179.4	182.9	203.7	242.8	283.7	1039.4	1808.5	2000.9	2022.8
50°	167.8	168.8	157.9	199.8	229.5	250.2	1059.1	2013.3	2224.0	2233.2
52.5°	156.8	153.0	133.9	187.2	200.9	218.5	1003.1	2106.3	2362.2	2388.3
55°	141.3	119.8	110.3	151.9	158.6	190.7	821.6	2052.4	2374.2	2420.4
57.5°	120.9	94.1	93.8	112.1	112.1	176.9	526.2	1753.5	2046.0	2127.1
60°	93.0	73.0	77.5	77.9	71.9	129.0	295.4	1270.3	1512.8	1593.5
62.5°	66.3	55.7	58.5	46.5	41.2	64.5	141.7	731.4	933.7	945.0
65°	44.4	37.7	30.7	25.7	25.4	27.5	58.5	264.3	321.4	362.7
67.5°	29.3	22.9	16.2	16.2	18.3	18.3	22.2	43.7	61.3	56.0
70°	19.0	15.9	10.2	9.9	12.0	12.0	11.3	12.0	12.7	12.7
72.5°	14.1	12.0	6.0	5.3	6.7	7.0	6.3	6.0	6.0	6.0
75°	10.6	8.5	3.5	2.5	3.2	4.2	3.5	2.5	2.5	2.1
77.5°	4.2	3.2	1.4	1.1	1.8	2.5	2.1	1.1	0.7	0.7
80°	0.4	0.7	0.7	0.7	1.1	1.4	1.8	0.7	0.4	0.4
82.5°	0.0	0.4	0.4	0.4	0.7	1.1	1.4	0.7	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.7	1.1	0.7	0.4	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.4	1.1	0.7	0.4	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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