

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: P629791

Luminaire Tested: GWS-SA1C-735-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2542 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

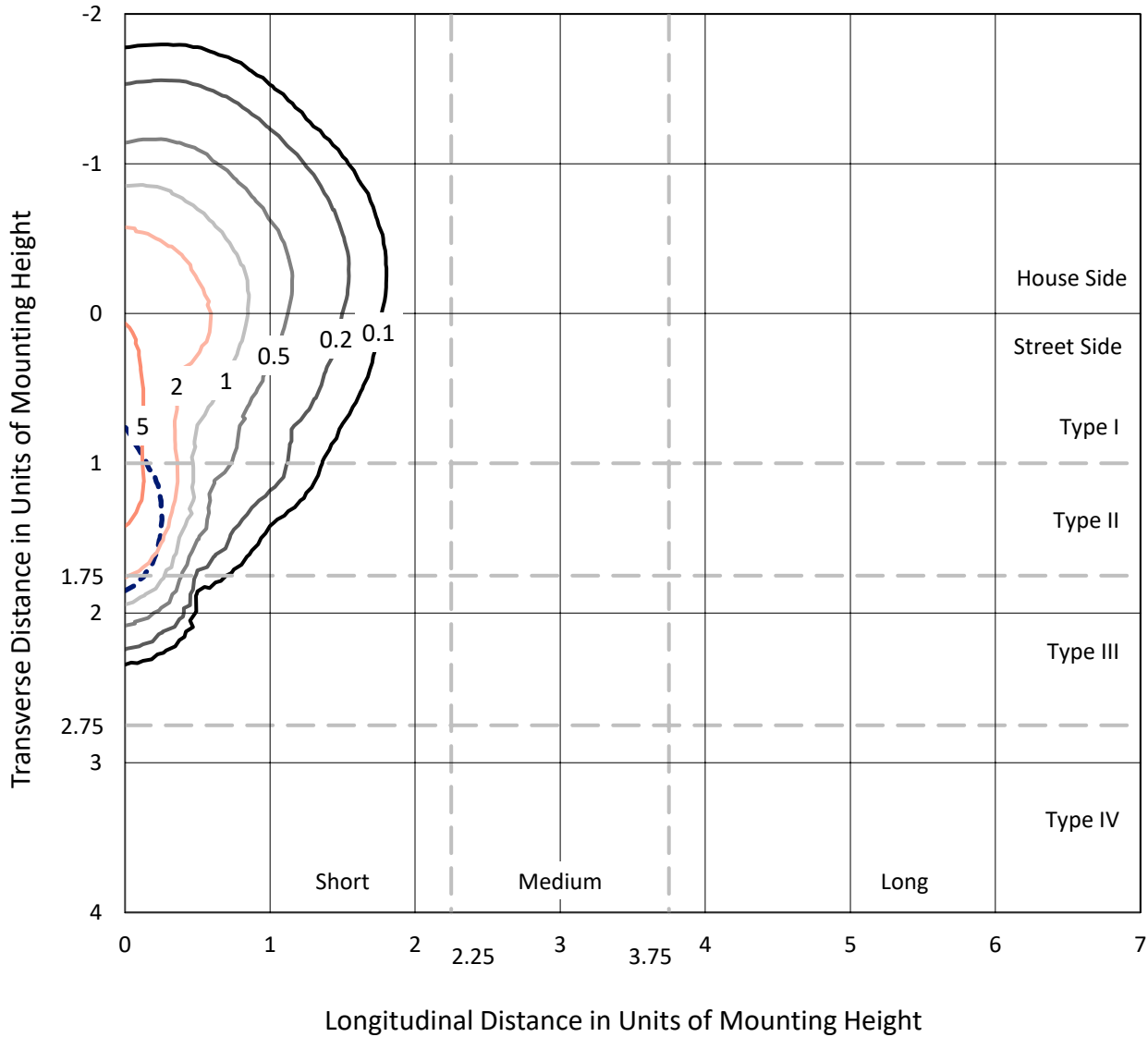
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

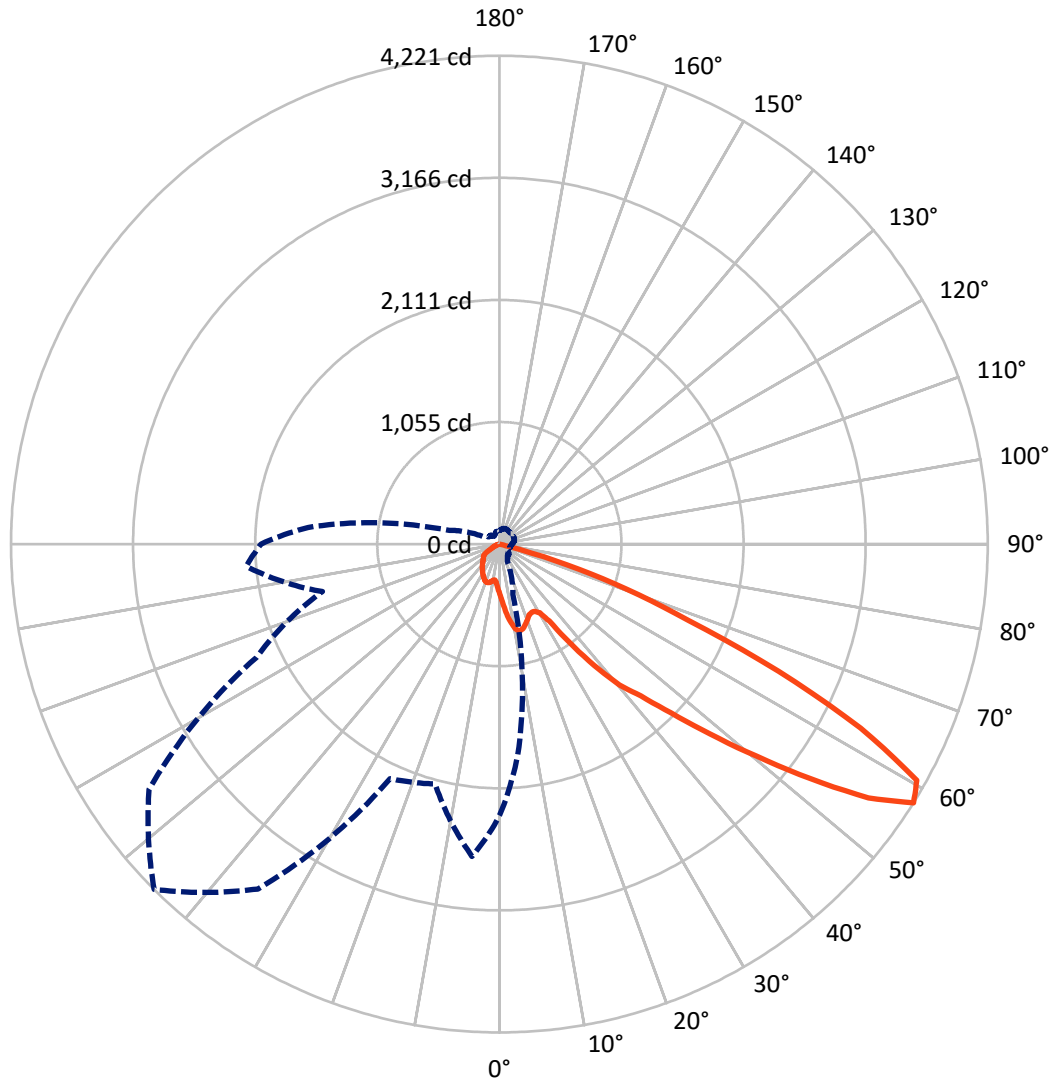
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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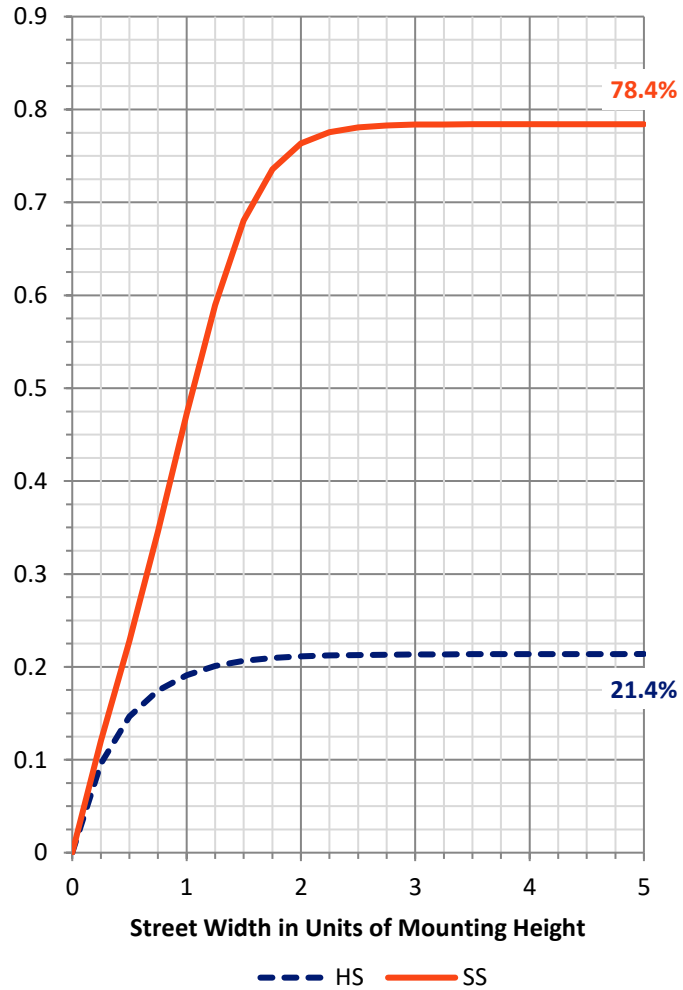
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	547.6	0.0	547.6
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	1994.4	0.0	1994.4
	% Fixture	78.5	0.0	78.5
Total	Lumens	2542.0	0.0	2542.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	1.7
10°-20°	140.5	5.5
20°-30°	228.0	9.0
30°-40°	349.9	13.8
40°-50°	558.8	22.0
50°-60°	782.4	30.8
60°-70°	401.2	15.8
70°-80°	38.6	1.5
80°-90°	0.0	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°	2542.0	100.0
0°-180°	2542.0	100.0

Coefficient of Utilization



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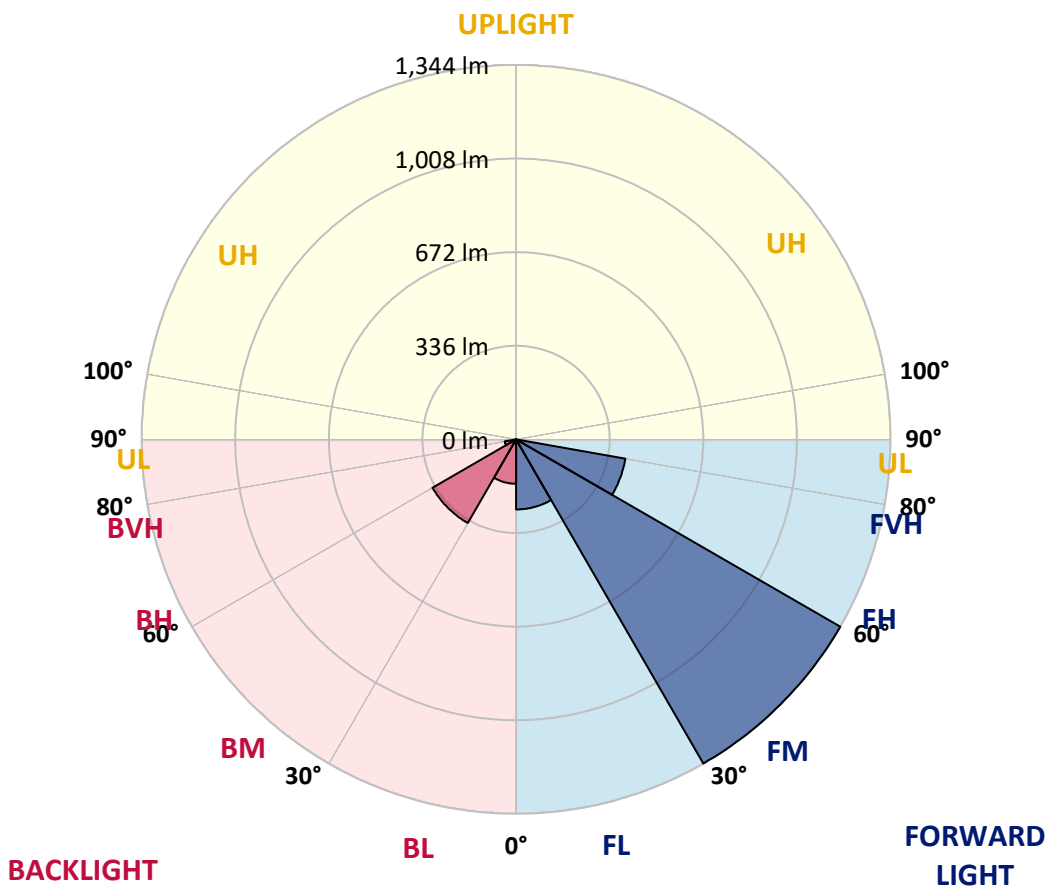
CATALOG NUMBER: GWS-SA1C-735-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	251.7	9.9			
FM (30°-60°)	1344.3	52.9			
FH (60°-80°)	398.4	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	159.5	6.3	B1/500		
BM (30°-60°)	346.8	13.6	B1/1000		
BH (60°-80°)	41.4	1.6	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°	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9
2.5°	479.8	478.8	475.4	463.9	456.7	445.5	437.4	426.8	415.3	408.1	401.0
5°	530.8	528.1	518.9	492.4	472.0	449.9	432.3	412.9	392.2	378.6	366.0
7.5°	579.7	575.7	563.4	518.6	487.7	456.1	430.9	402.7	373.5	353.1	337.5
10°	627.7	618.5	599.1	544.1	502.3	464.2	434.6	402.4	368.0	342.2	324.9
12.5°	667.1	660.3	633.8	568.2	514.5	465.9	429.5	399.6	376.5	359.2	343.2
15°	701.1	693.6	668.4	589.9	525.0	459.1	408.1	382.0	385.7	392.5	378.9
17.5°	732.3	724.5	697.3	608.0	529.1	442.5	378.2	365.7	386.4	411.9	406.8
20°	764.6	755.8	722.5	622.6	527.8	416.3	348.0	351.7	380.9	410.2	412.9
22.5°	802.3	793.2	754.4	641.3	526.7	385.0	321.8	339.5	370.8	395.6	400.3
25°	852.3	841.4	798.9	668.8	529.5	356.5	303.1	327.6	353.4	375.9	378.6
27.5°	918.2	904.3	850.3	702.8	535.2	334.1	295.0	311.3	331.3	351.4	353.8
30°	1004.2	986.5	909.0	732.3	532.5	318.4	289.5	295.0	306.9	323.2	323.5
32.5°	1104.8	1080.7	975.0	757.8	509.1	306.9	282.1	278.3	281.0	293.6	296.0
35°	1223.0	1191.8	1047.7	781.9	466.2	284.4	268.5	255.9	254.9	261.0	266.8
37.5°	1358.6	1321.3	1139.4	812.9	415.6	261.0	248.4	235.8	230.4	233.5	242.3
40°	1483.7	1442.2	1235.3	850.3	364.0	239.9	225.0	212.1	205.6	206.6	217.5
42.5°	1630.5	1587.7	1352.5	899.2	321.1	225.6	200.5	187.2	178.8	183.5	196.1
45°	1853.4	1804.8	1523.5	941.7	287.2	222.2	179.1	160.4	156.3	164.5	179.4
47.5°	2157.9	2098.4	1758.3	967.5	258.3	225.3	164.1	138.7	139.7	148.8	163.8
50°	2460.0	2395.8	2029.8	933.5	234.5	219.2	156.7	121.7	128.1	136.3	149.9
52.5°	2667.7	2584.1	2162.0	835.3	212.7	196.1	156.0	105.7	117.9	120.6	132.2
55°	2675.8	2572.9	2094.4	658.6	183.2	165.5	148.8	92.4	106.7	107.7	117.6
57.5°	2345.5	2252.4	1830.3	452.3	162.8	121.3	118.6	80.9	87.7	96.2	102.3
60°	1784.4	1705.3	1368.8	207.3	123.7	77.1	81.2	69.7	65.6	78.2	84.3
62.5°	1092.9	1042.3	821.0	91.8	78.8	41.1	49.3	55.4	49.3	54.0	59.1
65°	434.0	411.5	311.6	39.1	32.3	20.7	22.4	32.3	34.7	38.1	42.8
67.5°	75.4	71.4	52.3	17.3	13.3	12.6	10.9	15.0	21.1	23.4	27.2
70°	9.9	9.5	8.5	7.1	6.8	6.1	4.8	9.5	14.3	15.0	17.3
72.5°	2.4	2.0	2.0	1.7	2.0	0.7	0.7	5.1	10.2	10.5	12.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	6.5	7.1	8.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9
2.5°	395.2	388.4	386.0	382.6	378.2	379.6	373.5	371.4	374.5	378.6	377.6
5°	359.2	351.7	346.6	338.8	337.5	334.4	332.4	329.6	333.0	337.8	338.8
7.5°	330.7	324.2	319.1	316.7	315.0	313.7	309.6	307.5	307.5	309.6	311.3
10°	318.4	313.7	312.6	313.3	316.0	315.7	312.0	309.2	305.8	304.1	306.2
12.5°	335.4	327.6	326.2	326.6	330.0	329.6	325.6	322.2	321.5	322.2	328.6
15°	364.3	352.4	343.6	341.9	343.6	342.9	339.8	337.8	338.8	348.7	359.5
17.5°	390.1	371.8	355.8	349.7	349.3	348.3	345.3	344.6	349.7	368.0	384.0
20°	397.6	379.6	356.8	349.0	347.3	346.3	342.9	343.9	350.4	372.5	386.0
22.5°	387.7	370.4	346.6	338.8	337.5	337.1	333.7	335.1	340.5	359.9	371.1
25°	369.1	354.4	329.6	322.8	322.8	322.2	319.1	319.8	323.2	340.2	351.0
27.5°	346.3	332.4	311.6	304.8	305.8	306.9	303.1	302.1	304.8	320.8	327.3
30°	320.1	310.3	294.0	287.8	287.5	291.6	286.5	285.1	288.9	301.4	302.8
32.5°	294.6	289.9	278.3	273.6	273.9	274.6	271.9	271.9	275.3	282.1	281.7
35°	269.8	266.8	264.7	261.3	261.0	259.6	259.6	260.3	264.0	266.4	262.0
37.5°	246.0	249.1	251.5	248.1	245.4	245.4	245.4	248.4	251.8	250.8	243.3
40°	225.0	231.4	238.9	235.2	228.7	228.4	229.7	234.8	239.9	233.8	227.0
42.5°	207.0	215.1	225.6	223.6	216.5	215.5	216.5	222.9	227.0	219.2	211.7
45°	189.3	199.5	212.1	212.1	204.2	203.2	203.6	212.1	214.4	205.3	195.7
47.5°	174.3	185.5	198.8	198.8	192.3	190.3	192.0	200.8	202.5	189.6	180.8
50°	160.1	172.3	186.9	185.9	181.5	179.8	182.8	192.3	190.3	176.0	166.9
52.5°	142.0	155.0	175.0	176.0	173.7	174.0	177.7	183.8	178.1	160.7	152.9
55°	125.7	139.0	159.0	164.5	164.5	164.1	165.8	170.6	165.8	145.1	135.6
57.5°	108.1	119.3	135.9	137.3	138.3	134.6	137.0	143.4	141.0	123.4	117.9
60°	88.7	98.2	107.7	108.7	104.3	96.5	100.9	108.4	110.1	96.9	90.7
62.5°	62.9	72.0	83.3	83.3	78.8	71.0	76.8	83.3	80.9	67.3	63.5
65°	46.9	55.4	63.9	67.6	63.9	58.5	62.9	67.6	63.9	52.7	47.2
67.5°	30.2	36.0	41.1	44.2	44.9	44.2	46.2	44.9	40.4	33.0	29.9
70°	18.4	21.4	24.1	26.8	28.9	29.9	30.9	27.9	23.4	19.4	18.4
72.5°	13.3	16.0	18.4	20.4	22.8	23.4	23.4	21.4	17.3	13.6	12.6
75°	9.2	11.6	13.6	15.0	17.0	17.7	17.7	16.0	12.9	9.9	8.8
77.5°	0.3	2.4	2.4	2.0	2.7	3.4	3.4	4.1	3.7	2.7	2.4
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°	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9
2.5°	379.6	391.8	395.2	407.8	419.0	430.2	443.8	452.0	464.2	472.7	477.5
5°	342.2	352.4	364.6	383.3	402.7	424.1	449.9	472.4	500.6	521.3	528.1
7.5°	315.0	328.3	342.5	366.0	392.5	421.0	457.4	494.1	537.3	565.5	583.5
10°	309.9	323.5	342.5	365.7	393.5	426.1	470.7	518.2	572.3	606.6	627.0
12.5°	334.4	349.0	357.2	367.7	388.8	425.1	482.2	542.7	606.3	643.6	665.4
15°	370.4	383.3	370.1	356.8	370.4	414.3	488.7	563.1	636.2	679.3	701.7
17.5°	395.2	396.2	367.4	339.1	342.9	394.5	491.1	583.5	668.1	713.3	736.8
20°	392.8	384.7	355.5	324.2	312.6	369.1	488.3	601.5	700.4	747.6	770.7
22.5°	374.5	365.0	340.2	309.6	287.2	338.8	483.6	617.8	730.0	783.6	805.4
25°	352.4	342.2	321.8	295.0	270.8	309.6	479.8	640.2	767.3	830.5	847.5
27.5°	326.6	317.7	300.4	281.0	264.0	287.5	478.8	669.8	812.5	887.6	899.5
30°	301.4	293.3	279.7	268.5	261.3	274.6	475.4	701.4	866.6	953.2	966.1
32.5°	277.3	269.1	260.6	259.0	259.3	269.8	463.9	732.7	930.8	1048.4	1057.9
35°	256.6	247.1	243.7	247.7	255.2	261.7	431.2	758.5	999.8	1152.0	1159.8
37.5°	236.9	227.3	227.0	236.9	245.0	249.1	392.8	784.0	1092.9	1257.4	1267.2
40°	218.9	209.3	212.7	224.6	231.1	233.1	346.3	822.7	1191.4	1368.5	1363.1
42.5°	203.6	193.7	195.7	211.0	216.8	222.2	303.5	855.0	1286.3	1473.8	1472.1
45°	188.6	181.1	179.8	196.4	201.5	223.3	272.2	879.8	1408.3	1608.1	1610.8
47.5°	174.0	168.2	168.6	175.7	188.3	228.4	245.7	896.1	1585.3	1820.8	1773.6
50°	160.7	156.3	160.1	151.9	179.8	221.9	222.9	892.7	1783.1	2024.7	1929.9
52.5°	146.1	145.1	146.8	127.1	166.2	195.7	201.5	847.5	1875.9	2164.0	2110.0
55°	131.2	130.8	117.2	101.6	139.0	156.3	172.6	707.2	1872.8	2238.1	2303.7
57.5°	113.5	110.8	89.0	82.9	108.1	108.7	157.3	463.2	1659.7	2060.7	2196.7
60°	86.0	83.9	65.2	67.3	75.4	69.7	125.4	230.7	1240.4	1605.4	1758.6
62.5°	59.5	56.8	48.6	52.0	48.6	39.8	76.8	114.2	751.4	1013.7	1152.7
65°	43.5	40.4	33.3	28.5	22.8	22.8	29.2	43.8	290.9	430.9	519.6
67.5°	26.8	25.5	19.7	14.3	13.9	15.0	15.3	21.7	46.9	74.8	91.4
70°	17.3	16.0	13.3	9.2	8.5	8.8	9.2	10.2	11.9	12.9	15.6
72.5°	11.9	11.2	9.5	5.1	4.1	4.4	4.8	4.8	5.8	5.4	6.5
75°	8.5	7.8	6.8	2.4	1.4	1.7	2.0	1.7	2.0	1.4	1.7
77.5°	2.4	2.4	1.7	0.3	0.0	0.3	0.7	0.7	0.3	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	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°	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9
2.5°	489.7	497.5	500.6	496.2	499.9	493.8	491.4	482.2	481.5	479.8
5°	555.6	573.3	583.8	590.3	582.8	574.7	562.4	541.3	534.9	530.8
7.5°	620.5	648.1	666.1	674.6	672.5	655.9	633.8	598.4	585.9	579.7
10°	676.9	710.6	732.3	742.9	738.4	723.8	692.2	648.1	631.4	627.7
12.5°	716.4	747.3	762.2	771.4	771.8	766.0	736.1	691.6	671.8	667.1
15°	741.2	754.4	754.8	760.2	769.7	782.6	768.7	729.3	708.2	701.1
17.5°	756.8	742.2	727.2	728.6	744.2	778.5	792.8	762.6	740.1	732.3
20°	768.0	721.8	693.9	694.3	710.2	762.2	809.5	794.9	771.8	764.6
22.5°	775.2	703.8	664.0	663.0	680.0	742.9	824.8	833.3	810.5	802.3
25°	789.8	695.3	646.0	651.8	666.7	736.8	845.5	884.2	863.2	852.3
27.5°	815.9	703.8	644.3	657.6	674.6	754.8	881.5	952.2	930.5	918.2
30°	861.1	735.7	670.5	688.8	709.2	802.0	942.0	1047.0	1015.8	1004.2
32.5°	933.9	802.0	751.4	790.8	810.5	879.5	1032.7	1153.4	1127.9	1104.8
35°	1034.1	953.2	947.4	1039.2	1034.4	1026.3	1144.2	1283.9	1245.5	1223.0
37.5°	1172.1	1196.5	1239.4	1330.4	1327.4	1265.2	1290.7	1407.2	1387.5	1358.6
40°	1344.4	1396.4	1469.1	1599.6	1558.8	1480.6	1470.4	1533.7	1517.7	1483.7
42.5°	1446.0	1535.7	1674.3	1791.6	1759.0	1622.3	1610.8	1702.5	1667.5	1630.5
45°	1493.2	1649.2	1921.1	2079.8	1980.9	1716.5	1712.1	1922.8	1903.0	1853.4
47.5°	1515.0	1763.7	2209.9	2450.2	2265.3	1799.1	1783.1	2242.2	2216.4	2157.9
50°	1539.1	1921.7	2557.9	2879.4	2608.9	1892.5	1904.1	2539.9	2529.0	2460.0
52.5°	1592.1	2088.9	2986.4	3370.1	3025.5	2039.0	2111.7	2820.6	2747.2	2667.7
55°	1671.6	2271.1	3432.3	3871.3	3450.6	2235.7	2336.3	2969.8	2763.8	2675.8
57.5°	1583.6	2316.6	3696.3	4221.4	3639.2	2236.4	2146.4	2711.2	2430.8	2345.5
60°	1256.7	2155.2	3594.7	4145.6	3478.5	1986.0	1643.4	2116.8	1841.5	1784.4
62.5°	849.6	1807.6	3164.5	3506.0	2977.2	1562.2	1068.1	1376.6	1140.1	1092.9
65°	465.6	1348.4	2556.9	2652.4	2330.2	1091.2	549.5	597.4	455.0	434.0
67.5°	128.5	938.6	1881.3	1759.6	1634.9	710.6	142.0	106.7	76.1	75.4
70°	32.3	620.9	1127.2	1161.9	1002.5	455.0	27.2	12.9	10.2	9.9
72.5°	13.6	267.1	534.9	614.8	513.1	210.7	9.9	3.7	3.1	2.4
75°	1.7	21.4	45.5	69.0	47.2	22.8	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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
85°	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
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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