

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: P629795

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629795
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2529.1 lumens
Efficiency: N/A
Efficacy: 74.2 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

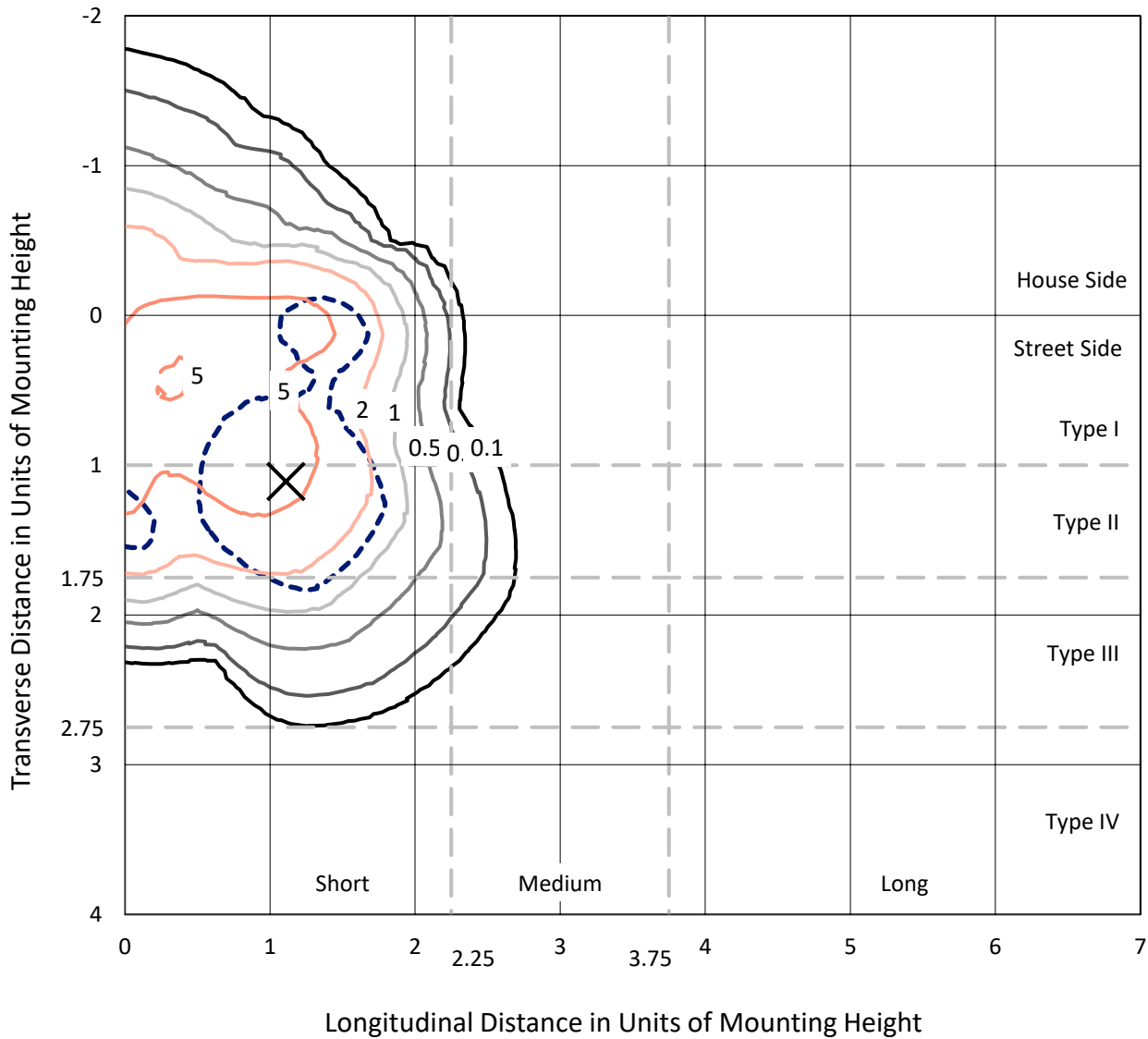
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

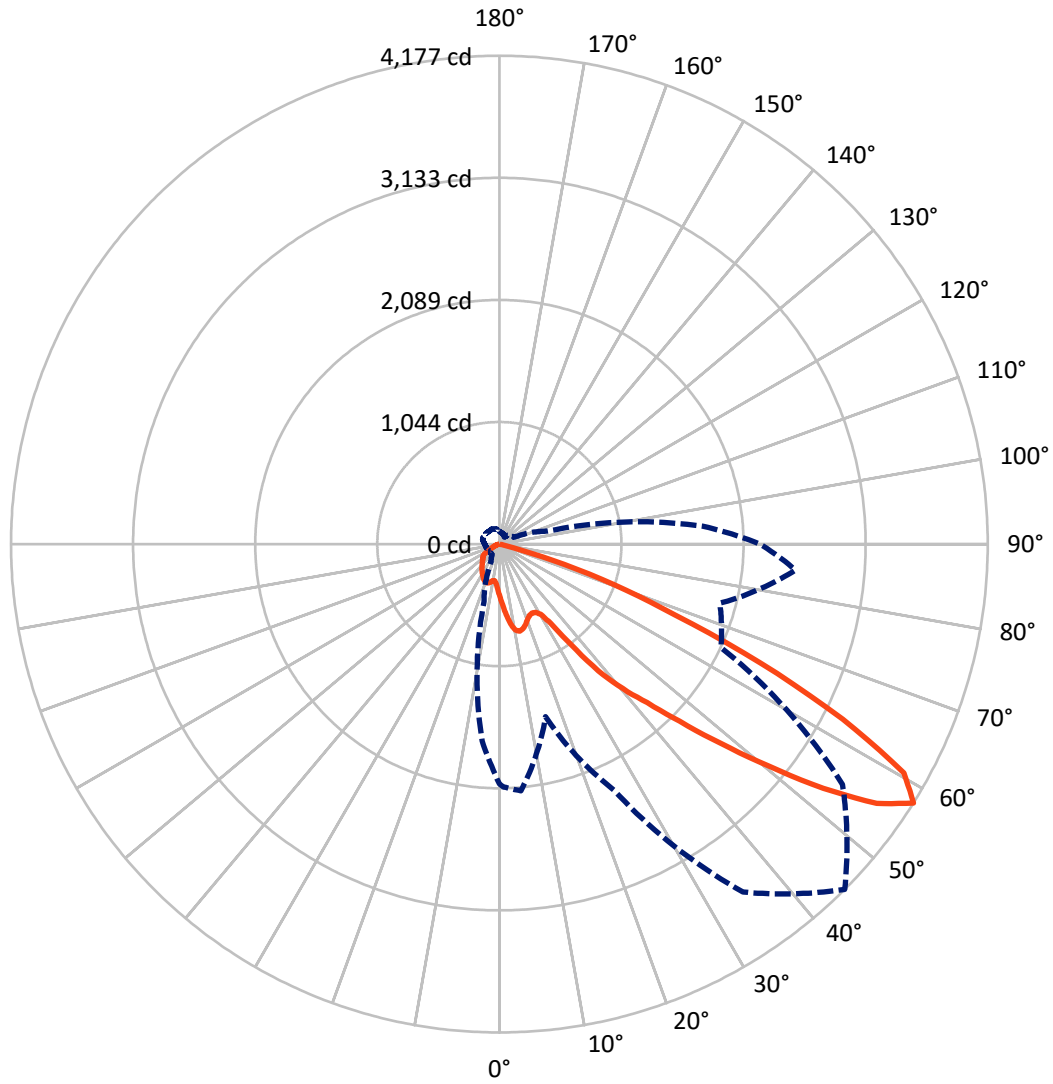
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 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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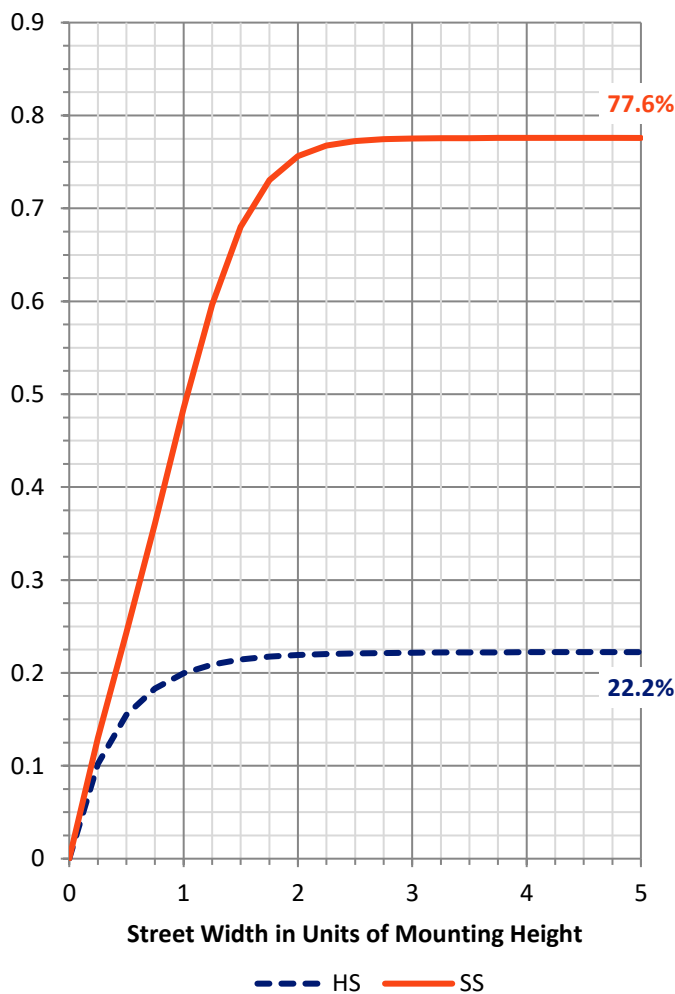
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	566.3	0.0	566.3
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	1962.8	0.0	1962.8
	% Fixture	77.6	0.0	77.6
Total	Lumens	2529.1	0.0	2529.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	1.7
10°-20°	141.5	5.6
20°-30°	229.8	9.1
30°-40°	355.1	14.0
40°-50°	569.4	22.5
50°-60°	778.2	30.8
60°-70°	376.9	14.9
70°-80°	34.5	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°	2529.1	100.0
0°-180°	2529.1	100.0

Coefficient of Utilization



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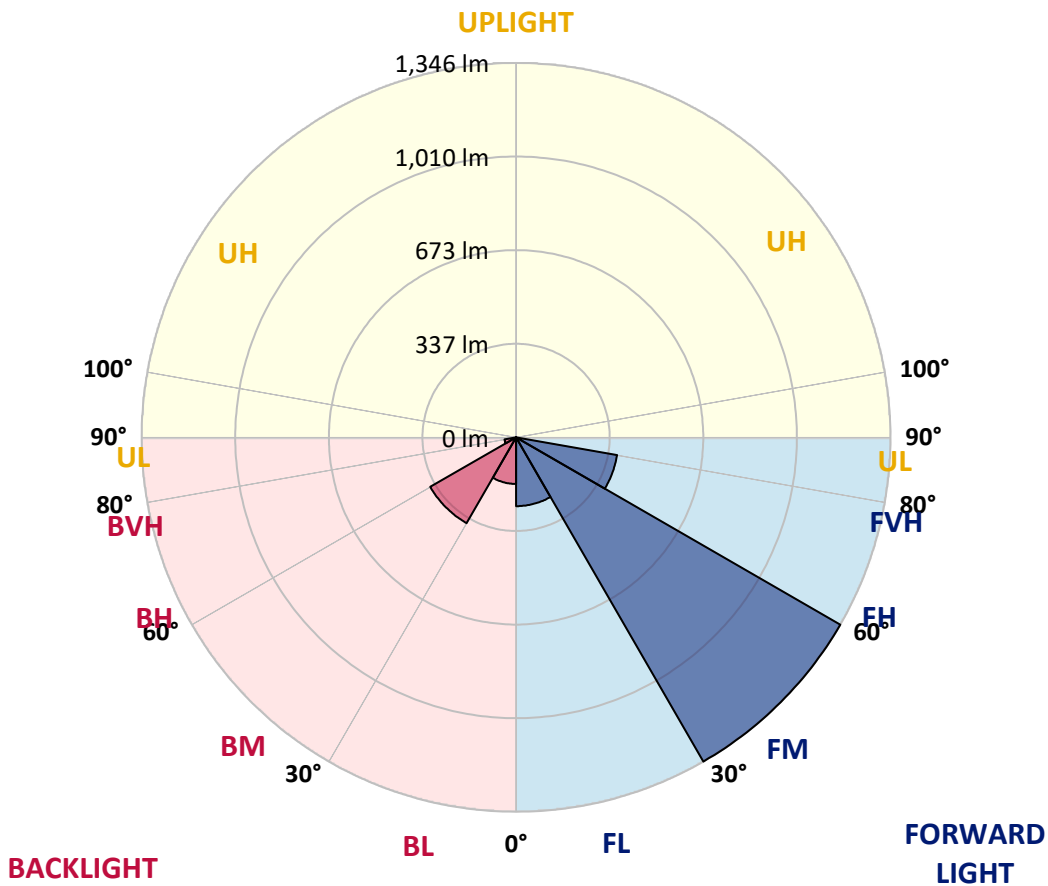
CATALOG NUMBER: GWS-SA1C-735-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	247.4	9.8			
FM (30°-60°)	1346.3	53.2			
FH (60°-80°)	369.0	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	167.6	6.6	B1/500		
BM (30°-60°)	356.3	14.1	B1/1000		
BH (60°-80°)	42.5	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°	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5
2.5°	481.6	484.6	489.7	500.6	509.8	515.9	518.6	517.9	514.2	511.5	506.0
5°	533.2	533.2	543.1	567.9	586.9	598.8	604.9	601.2	593.7	581.8	563.5
7.5°	578.4	580.1	596.8	632.1	661.0	678.0	687.8	685.8	672.6	649.8	613.1
10°	613.8	615.8	637.9	681.0	715.0	732.4	747.0	748.3	733.7	703.5	661.3
12.5°	648.1	650.1	673.2	714.7	744.6	751.7	764.6	769.7	766.0	744.6	700.8
15°	685.1	689.9	709.6	740.5	753.1	744.6	753.1	762.3	774.8	772.8	733.4
17.5°	721.5	724.9	744.9	755.8	741.9	719.8	723.9	734.7	763.3	791.2	765.7
20°	755.1	759.9	776.5	762.3	720.1	685.8	686.1	700.4	743.9	802.4	798.6
22.5°	790.5	797.6	809.5	769.4	700.1	659.0	660.7	673.6	728.6	812.9	836.0
25°	836.7	843.5	851.3	787.1	693.6	645.7	652.2	664.1	728.6	830.9	882.2
27.5°	899.2	904.0	904.3	820.0	704.8	647.7	661.3	674.9	750.4	866.9	944.1
30°	977.7	985.2	975.4	871.4	739.8	674.9	695.0	712.0	797.3	927.8	1035.2
32.5°	1073.2	1083.8	1070.5	947.5	812.9	768.7	805.1	814.9	872.0	1015.8	1138.5
35°	1185.4	1194.2	1179.9	1052.8	983.5	991.7	1057.6	1045.0	1022.3	1124.2	1259.1
37.5°	1308.4	1316.6	1289.0	1212.6	1235.7	1271.0	1376.4	1333.2	1259.8	1263.9	1390.0
40°	1421.2	1430.1	1386.9	1386.2	1433.8	1498.4	1625.5	1566.0	1466.1	1446.7	1512.6
42.5°	1538.1	1544.3	1505.2	1478.7	1586.7	1719.6	1854.2	1774.0	1602.7	1581.6	1666.3
45°	1705.0	1717.9	1648.2	1524.2	1724.4	1974.2	2161.8	2005.1	1695.8	1678.8	1901.4
47.5°	1950.4	1959.9	1817.8	1552.7	1852.5	2291.2	2546.1	2304.8	1777.7	1739.0	2222.9
50°	2153.3	2159.7	1973.8	1584.0	1988.8	2633.1	2984.2	2660.3	1869.8	1838.6	2523.0
52.5°	2302.8	2327.3	2178.7	1648.2	2167.9	3035.2	3469.1	3081.4	2013.6	2030.9	2771.8
55°	2333.7	2367.0	2318.8	1687.7	2325.6	3444.7	3917.0	3458.3	2157.0	2176.7	2855.4
57.5°	2051.0	2077.5	2117.6	1528.6	2321.8	3632.3	4177.0	3583.3	2091.7	1952.1	2542.4
60°	1536.4	1554.8	1627.5	1168.4	2135.2	3466.4	3974.5	3370.6	1829.0	1489.5	1937.1
62.5°	911.1	919.3	1011.4	756.8	1772.3	2985.2	3296.2	2908.4	1445.4	1001.9	1186.4
65°	349.7	346.3	416.6	373.5	1303.3	2377.9	2451.6	2217.1	991.7	459.1	452.3
67.5°	54.0	51.7	69.7	110.4	940.0	1647.9	1617.7	1597.9	621.2	107.1	93.5
70°	12.2	12.2	15.0	32.6	574.3	968.2	1036.2	987.9	397.6	22.8	12.2
72.5°	5.8	5.8	7.1	13.9	208.0	399.0	464.9	457.8	129.1	7.5	4.4
75°	2.0	2.4	2.4	3.1	12.6	20.7	47.6	34.0	8.2	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°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.3	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°	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5
2.5°	494.1	491.8	482.9	471.0	459.5	449.3	438.7	426.2	417.0	406.5	403.1
5°	549.2	534.2	510.1	485.0	461.8	442.1	423.1	402.7	387.8	372.8	367.7
7.5°	595.7	573.7	534.6	496.9	465.2	437.4	409.9	382.0	360.2	342.6	337.1
10°	637.5	612.1	559.7	513.2	473.4	441.1	407.8	372.8	344.6	323.5	318.4
12.5°	673.6	644.0	581.1	525.4	476.8	439.8	407.5	379.6	354.1	330.0	323.5
15°	703.8	671.2	599.1	533.6	471.7	422.8	394.6	390.1	388.1	361.6	349.0
17.5°	733.4	696.7	613.8	537.3	457.4	392.9	372.5	392.5	413.9	396.6	380.6
20°	764.3	722.5	628.7	538.0	433.6	359.2	355.8	387.4	414.6	409.2	394.2
22.5°	800.7	754.8	647.4	537.6	403.7	330.7	343.6	377.6	399.7	399.3	387.4
25°	853.3	795.6	672.6	539.7	371.1	308.6	330.0	360.9	378.9	378.2	368.4
27.5°	909.8	844.2	705.2	544.8	343.2	295.7	314.0	338.1	353.8	353.1	344.6
30°	988.9	900.2	736.4	545.1	323.2	288.9	296.3	313.0	327.9	326.3	319.8
32.5°	1085.1	963.5	762.6	525.7	310.6	282.4	278.0	286.5	298.0	295.7	294.0
35°	1201.3	1038.6	785.0	483.3	291.2	269.5	257.6	259.3	267.5	268.8	268.1
37.5°	1333.9	1127.9	812.9	427.2	265.1	250.8	234.8	233.5	238.2	242.6	246.0
40°	1464.7	1228.5	850.6	370.4	241.3	227.0	211.7	208.3	210.4	218.2	225.3
42.5°	1611.9	1345.1	891.4	321.8	225.0	200.8	186.2	179.8	185.6	198.1	206.6
45°	1823.9	1508.6	931.2	283.1	218.2	177.7	158.0	157.3	163.8	180.1	189.6
47.5°	2121.6	1720.0	957.3	252.8	217.8	159.7	136.3	140.4	147.8	163.8	174.7
50°	2411.9	1984.7	928.5	229.7	210.7	147.8	120.0	128.1	135.6	149.5	160.7
52.5°	2586.9	2127.1	816.0	208.0	188.6	142.4	104.0	118.3	119.6	132.2	144.1
55°	2568.5	2035.0	625.0	174.3	156.0	134.6	87.3	106.7	107.4	116.9	127.1
57.5°	2229.4	1747.1	429.2	141.4	117.2	111.1	72.0	90.1	96.5	102.3	109.8
60°	1661.5	1274.8	191.3	114.9	74.4	75.1	61.5	68.0	77.8	84.6	91.1
62.5°	979.1	733.4	77.8	69.0	41.1	47.2	49.6	49.6	55.7	60.8	64.9
65°	370.1	256.6	31.6	34.7	21.4	22.1	29.2	36.0	40.8	45.2	50.6
67.5°	64.9	44.9	16.3	12.9	12.6	11.2	15.0	23.4	26.2	29.6	31.9
70°	10.9	9.2	6.8	6.5	5.8	6.1	9.9	16.7	18.4	19.4	20.4
72.5°	3.1	2.7	2.0	1.7	1.4	1.7	6.1	12.9	13.6	14.3	15.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	9.2	9.9	10.2	11.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.7	3.4	2.7
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°	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5
2.5°	401.0	394.2	390.5	388.4	388.4	385.7	382.7	381.6	386.1	386.1	393.5
5°	361.3	355.8	349.7	346.0	340.2	341.2	337.8	337.5	341.9	343.9	351.7
7.5°	333.7	326.9	323.2	320.8	317.8	316.4	313.3	312.3	314.7	318.1	325.6
10°	315.4	314.4	314.0	315.7	315.7	314.0	311.3	309.6	310.3	316.7	325.2
12.5°	320.1	322.2	322.9	325.6	326.9	325.6	323.5	324.2	328.6	340.5	353.1
15°	340.9	339.2	338.5	339.8	340.9	339.5	338.8	343.9	359.2	376.2	390.5
17.5°	363.0	352.1	347.3	347.3	348.0	347.3	348.0	357.9	382.7	399.7	410.2
20°	374.2	354.1	346.6	344.9	346.3	346.6	349.0	360.2	387.4	399.3	401.7
22.5°	370.8	345.6	337.1	335.8	337.1	338.5	340.9	350.4	375.9	382.0	381.0
25°	353.8	329.0	322.2	322.2	325.2	324.9	325.9	332.7	353.8	357.5	355.8
27.5°	332.4	308.9	303.1	306.5	309.3	308.6	308.9	314.7	330.3	331.3	329.6
30°	310.6	290.2	284.8	288.9	292.6	291.9	292.3	298.0	307.9	306.9	304.5
32.5°	288.5	273.6	269.5	271.9	277.7	277.0	278.3	284.4	288.2	283.8	281.1
35°	268.1	260.3	257.3	258.6	263.0	264.1	266.4	270.5	270.5	265.1	260.3
37.5°	249.1	248.1	246.0	244.3	248.4	251.5	254.9	259.6	252.8	245.0	240.6
40°	231.4	235.9	233.1	228.7	231.1	235.5	242.3	246.0	237.9	230.1	222.6
42.5°	215.1	222.6	221.6	216.1	218.2	222.3	230.1	233.1	223.6	214.8	207.6
45°	199.5	210.0	210.7	203.9	205.9	210.0	219.2	220.2	208.0	198.5	193.4
47.5°	185.9	197.4	197.8	192.7	193.4	199.1	207.6	208.0	194.1	185.2	178.8
50°	173.0	186.2	187.3	182.8	183.5	190.3	197.4	196.1	181.1	172.0	166.2
52.5°	157.3	175.4	177.7	175.7	178.4	183.9	188.3	183.5	166.2	157.0	151.9
55°	140.4	163.8	168.9	167.5	170.6	175.0	176.0	173.0	151.2	142.1	137.3
57.5°	120.6	134.9	143.8	141.0	143.4	147.8	150.9	148.5	132.2	125.1	121.0
60°	99.9	109.4	111.5	107.1	105.0	112.8	120.0	116.9	103.0	98.6	93.8
62.5°	73.1	83.9	85.3	79.5	77.1	85.6	91.8	88.7	73.4	68.6	64.9
65°	58.5	68.6	71.4	65.9	64.6	71.0	74.8	67.3	56.4	51.3	47.2
67.5°	38.4	46.6	53.7	53.4	50.6	52.7	50.0	43.8	36.0	33.3	30.6
70°	23.8	28.5	33.0	34.7	34.3	33.6	29.9	25.5	23.1	22.1	20.7
72.5°	18.4	23.1	26.5	27.5	27.9	26.8	23.8	19.7	17.3	16.0	15.0
75°	13.6	17.3	20.1	21.4	22.1	21.4	18.4	15.6	13.3	12.2	11.2
77.5°	4.8	5.8	7.1	7.8	7.5	7.1	6.5	6.5	5.1	4.8	4.1
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°	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5
2.5°	402.0	408.2	419.4	429.6	440.4	451.7	463.9	476.5	482.2	481.6
5°	363.6	376.9	395.2	415.3	437.7	461.8	488.7	516.2	528.1	533.2
7.5°	339.5	358.2	382.3	407.8	437.4	471.7	512.1	555.3	572.6	578.4
10°	342.6	364.3	384.4	409.2	440.8	485.3	535.6	586.9	607.3	613.8
12.5°	367.4	372.1	377.6	398.0	437.7	495.5	557.0	618.2	641.6	648.1
15°	389.8	367.7	357.5	376.2	426.8	502.6	578.8	651.8	677.6	685.1
17.5°	390.8	357.5	334.7	349.4	409.2	505.7	600.2	686.1	714.4	721.5
20°	378.2	346.3	317.1	317.4	385.0	505.0	617.8	717.1	748.7	755.1
22.5°	359.9	333.0	302.8	292.3	359.2	503.6	637.2	750.0	784.4	790.5
25°	339.5	316.1	289.2	273.2	333.4	505.0	664.4	793.2	830.9	836.7
27.5°	317.4	297.4	278.7	265.8	311.6	510.1	697.0	848.3	893.1	899.2
30°	294.3	279.4	271.9	264.1	298.0	511.5	732.4	912.5	969.2	977.7
32.5°	271.5	263.4	263.7	265.1	285.1	502.0	764.6	983.8	1059.6	1073.2
35°	250.5	248.1	254.9	261.7	266.4	477.5	792.9	1068.1	1171.4	1185.4
37.5°	232.5	234.5	243.0	249.8	246.0	442.8	830.2	1173.5	1296.5	1308.4
40°	215.1	220.2	230.1	233.1	230.4	402.4	875.1	1275.1	1404.9	1421.2
42.5°	199.1	202.9	216.8	217.5	226.0	361.3	918.3	1384.5	1529.6	1538.1
45°	186.2	185.6	199.8	204.2	231.8	315.7	960.4	1530.3	1692.8	1705.0
47.5°	173.7	173.0	176.4	196.4	234.2	273.6	1002.2	1743.7	1929.3	1950.4
50°	161.8	162.8	152.3	192.7	221.2	241.3	1021.2	1941.2	2144.4	2153.3
52.5°	151.2	147.5	129.1	180.5	193.7	210.7	967.2	2030.9	2277.6	2302.8
55°	136.3	115.5	106.4	146.5	152.9	183.9	792.2	1978.9	2289.2	2333.7
57.5°	116.6	90.7	90.4	108.1	108.1	170.6	507.4	1690.7	1972.8	2051.0
60°	89.7	70.3	74.8	75.1	69.3	124.4	284.8	1224.8	1458.6	1536.4
62.5°	63.9	53.7	56.4	44.9	39.8	62.2	136.6	705.2	900.2	911.1
65°	42.8	36.4	29.6	24.8	24.5	26.5	56.4	254.9	309.9	349.7
67.5°	28.2	22.1	15.6	15.6	17.7	17.7	21.4	42.1	59.1	54.0
70°	18.4	15.3	9.9	9.5	11.6	11.6	10.9	11.6	12.2	12.2
72.5°	13.6	11.6	5.8	5.1	6.5	6.8	6.1	5.8	5.8	5.8
75°	10.2	8.2	3.4	2.4	3.1	4.1	3.4	2.4	2.4	2.0
77.5°	4.1	3.1	1.4	1.0	1.7	2.4	2.0	1.0	0.7	0.7
80°	0.3	0.7	0.7	0.7	1.0	1.4	1.7	0.7	0.3	0.3
82.5°	0.0	0.3	0.3	0.3	0.7	1.0	1.4	0.7	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.7	1.0	0.7	0.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.3	1.0	0.7	0.3	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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