

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: P634906

Luminaire Tested: GWS-SA3C-760-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8521.1 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

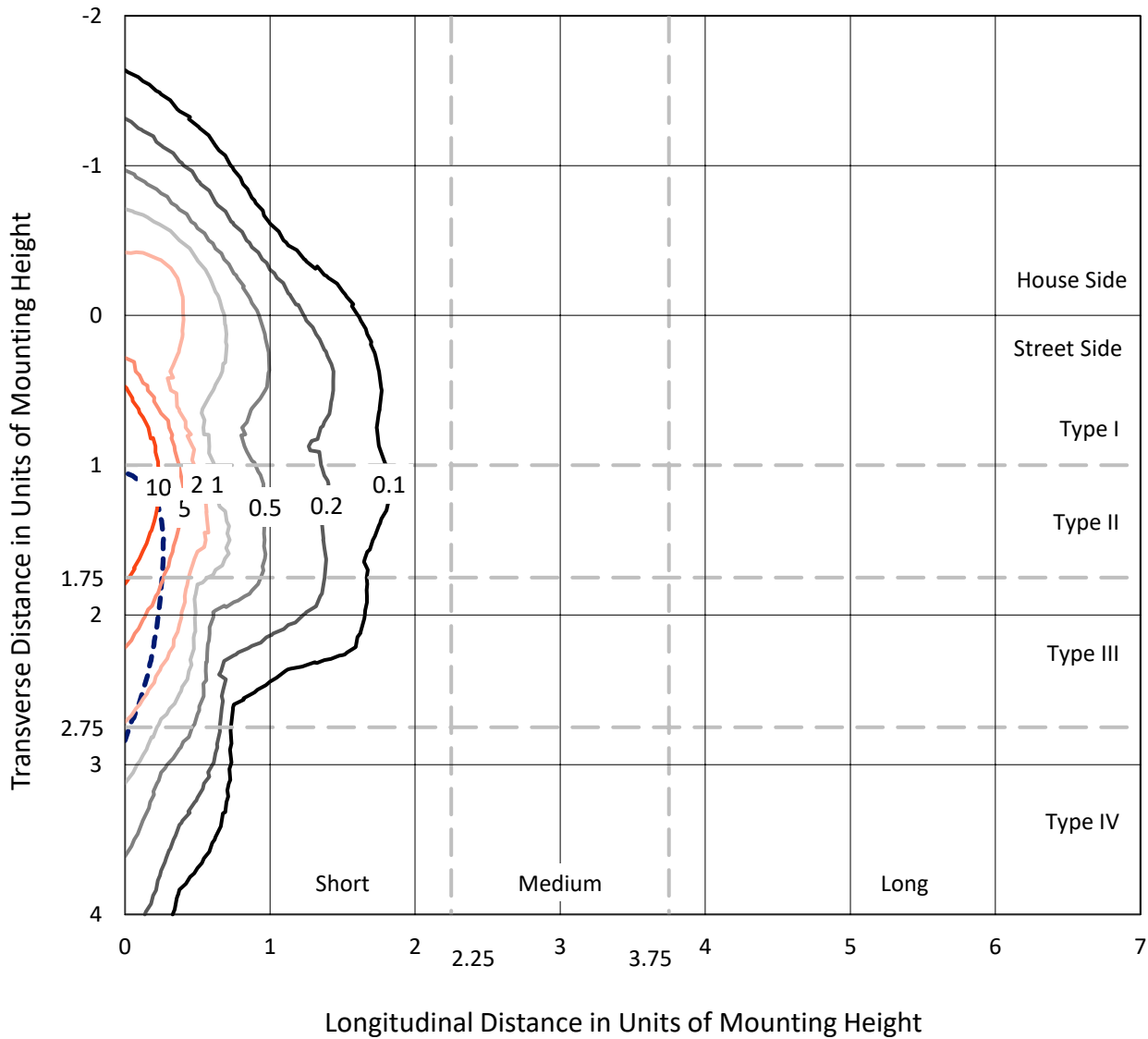
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

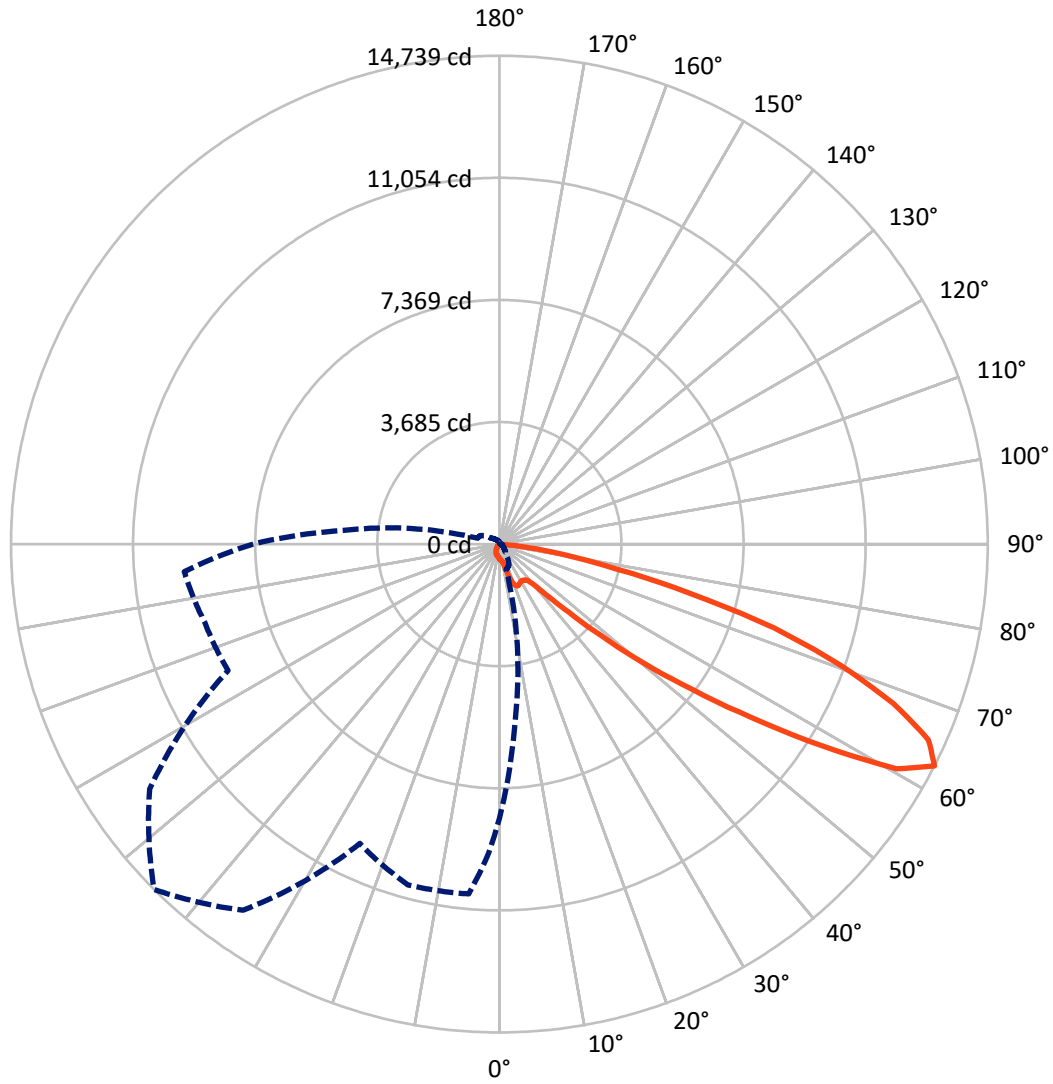
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	990.0	0.0	990.0
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	7531.1	0.0	7531.1
	% Fixture	88.4	0.0	88.4
Total	Lumens	8521.1	0.0	8521.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	0.4
10°-20°	130.8	1.5
20°-30°	295.5	3.5
30°-40°	509.0	6.0
40°-50°	960.3	11.3
50°-60°	2144.0	25.2
60°-70°	2867.5	33.7
70°-80°	1438.0	16.9
80°-90°	137.8	1.6
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°	8521.1	100.0
0°-180°	8521.1	100.0

Coefficient of Utilization



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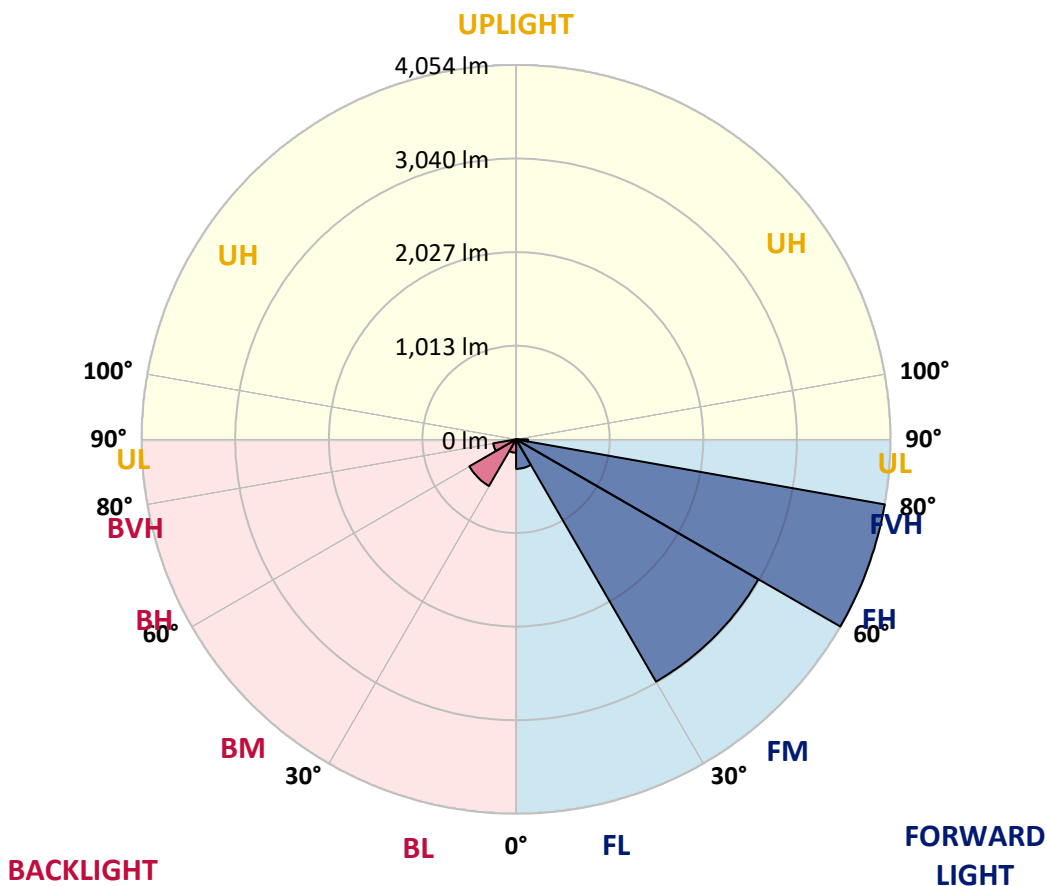
CATALOG NUMBER: GWS-SA3C-760-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.1	3.7			
FM (30°-60°)	3029.5	35.6			
FH (60°-80°)	4053.8	47.6			G2/5000
FVH (80°-90°)	128.7	1.5			G2/225
BL (0°-30°)	145.3	1.7	B1/500		
BM (30°-60°)	583.8	6.9	B1/1000		
BH (60°-80°)	251.8	3.0	B1/500		G1/500
BVH (80°-90°)	9.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9
2.5°	436.9	435.9	433.8	427.8	422.7	419.7	413.7	413.7	412.7	410.6	406.6
5°	422.7	418.7	414.7	403.6	391.5	384.4	376.3	375.3	375.3	373.3	372.3
7.5°	400.5	396.5	391.5	373.3	362.2	355.1	348.1	347.1	344.0	344.0	344.0
10°	388.4	382.4	374.3	354.1	343.0	337.0	331.9	328.9	326.9	323.9	322.9
12.5°	414.7	403.6	386.4	350.1	335.0	326.9	320.8	318.8	312.8	308.7	305.7
15°	496.4	469.2	434.9	359.2	331.9	319.8	311.8	307.7	302.7	295.6	290.6
17.5°	630.6	591.2	533.7	388.4	328.9	313.8	303.7	296.6	289.6	281.5	275.4
20°	816.2	757.7	689.1	441.9	328.9	306.7	294.6	285.5	275.4	266.4	259.3
22.5°	1052.3	993.8	876.8	532.7	333.0	297.6	283.5	271.4	259.3	251.2	243.2
25°	1316.7	1233.9	1125.0	642.7	344.0	285.5	270.4	258.3	247.2	237.1	228.0
27.5°	1611.3	1521.5	1376.2	799.1	368.3	273.4	256.3	245.2	235.1	225.0	212.9
30°	1882.7	1829.2	1680.9	986.7	407.6	265.4	245.2	235.1	225.0	211.9	200.8
32.5°	2208.6	2113.7	1991.7	1200.6	460.1	257.3	236.1	222.0	213.9	201.8	189.7
35°	2536.5	2455.8	2295.3	1464.0	518.6	249.2	225.0	211.9	204.8	190.7	177.6
37.5°	2874.5	2856.3	2697.9	1755.6	576.1	240.1	211.9	203.8	196.7	180.6	165.5
40°	3207.4	3174.1	3027.8	2088.5	611.4	230.0	200.8	195.7	187.7	169.5	152.4
42.5°	3526.3	3501.0	3358.8	2407.3	606.4	221.0	189.7	183.6	177.6	159.4	138.2
45°	3917.7	3876.4	3696.8	2643.4	554.9	231.0	178.6	168.5	167.5	150.3	124.1
47.5°	4650.2	4514.0	4209.3	2825.0	503.5	257.3	166.5	154.4	161.4	141.3	110.0
50°	5676.3	5515.9	5075.0	2966.3	502.5	291.6	164.5	141.3	156.4	134.2	97.9
52.5°	6707.4	6424.9	5889.2	3042.0	539.8	316.8	182.6	128.1	150.3	127.1	88.8
55°	7695.2	7109.0	6230.2	2791.7	569.0	344.0	215.9	121.1	139.2	119.1	83.7
57.5°	8636.5	7658.9	6378.5	2208.6	666.9	355.1	236.1	124.1	123.1	109.0	79.7
60°	8765.7	7632.6	6078.9	1284.4	735.5	336.0	228.0	138.2	108.0	96.9	72.6
62.5°	8277.4	7125.1	5395.8	801.1	683.1	328.9	202.8	157.4	97.9	85.8	63.6
65°	7535.8	6329.1	4498.9	516.6	517.6	365.2	177.6	154.4	91.8	75.7	54.5
67.5°	6376.5	5296.9	3544.4	346.1	292.6	311.8	155.4	105.9	89.8	64.6	42.4
70°	4654.2	3770.4	2307.4	231.0	174.5	249.2	130.2	75.7	84.8	53.5	30.3
72.5°	3402.2	2533.5	1288.4	151.3	98.9	145.3	95.8	54.5	65.6	39.3	21.2
75°	2448.7	1743.5	735.5	96.9	65.6	79.7	62.6	37.3	42.4	31.3	19.2
77.5°	1178.4	849.5	334.0	53.5	44.4	40.4	33.3	23.2	26.2	28.3	17.2
80°	44.4	33.3	25.2	26.2	28.3	18.2	15.1	12.1	15.1	19.2	9.1
82.5°	0.0	0.0	0.0	3.0	4.0	5.0	6.1	5.0	6.1	7.1	1.0
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°	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9
2.5°	409.6	407.6	409.6	411.6	413.7	415.7	412.7	414.7	416.7	411.6	413.7
5°	377.3	376.3	382.4	385.4	389.5	391.5	389.5	389.5	388.4	382.4	382.4
7.5°	349.1	350.1	355.1	362.2	367.3	370.3	368.3	367.3	364.2	355.1	355.1
10°	327.9	327.9	336.0	342.0	349.1	352.1	350.1	347.1	344.0	335.0	334.0
12.5°	310.8	310.8	316.8	326.9	335.0	339.0	338.0	334.0	328.9	319.8	318.8
15°	294.6	293.6	302.7	311.8	322.9	327.9	325.9	322.9	313.8	305.7	303.7
17.5°	278.5	277.5	285.5	297.6	309.7	316.8	315.8	308.7	300.7	290.6	288.6
20°	262.3	260.3	270.4	282.5	294.6	301.7	299.7	293.6	283.5	273.4	271.4
22.5°	246.2	245.2	252.2	262.3	273.4	279.5	278.5	273.4	263.3	254.3	254.3
25°	228.0	228.0	233.1	240.1	248.2	251.2	252.2	250.2	244.2	239.1	239.1
27.5°	212.9	209.9	211.9	213.9	217.9	223.0	223.0	225.0	226.0	224.0	225.0
30°	200.8	195.7	192.7	188.7	186.7	188.7	190.7	197.8	204.8	208.9	210.9
32.5°	186.7	180.6	172.5	161.4	154.4	152.4	158.4	171.5	184.6	193.7	198.8
35°	172.5	164.5	149.3	133.2	124.1	121.1	128.1	143.3	162.4	178.6	185.6
37.5°	158.4	147.3	126.1	106.9	96.9	94.8	101.9	118.0	140.2	162.4	171.5
40°	142.3	129.1	103.9	83.7	75.7	73.7	79.7	95.8	119.1	144.3	158.4
42.5°	126.1	110.0	83.7	66.6	58.5	58.5	66.6	78.7	99.9	127.1	144.3
45°	110.0	92.8	68.6	53.5	48.4	49.4	54.5	66.6	83.7	112.0	128.1
47.5°	94.8	79.7	56.5	44.4	40.4	41.4	47.4	57.5	71.6	96.9	114.0
50°	81.7	67.6	49.4	37.3	34.3	36.3	42.4	51.5	63.6	85.8	99.9
52.5°	73.7	60.5	45.4	32.3	30.3	32.3	38.3	46.4	57.5	75.7	89.8
55°	69.6	59.5	45.4	29.3	26.2	28.3	34.3	42.4	51.5	68.6	80.7
57.5°	68.6	61.5	48.4	26.2	22.2	24.2	30.3	38.3	47.4	62.6	72.6
60°	64.6	58.5	47.4	21.2	17.2	20.2	25.2	33.3	43.4	58.5	67.6
62.5°	56.5	51.5	41.4	17.2	13.1	15.1	21.2	29.3	39.3	53.5	63.6
65°	46.4	41.4	32.3	11.1	8.1	10.1	16.1	25.2	34.3	48.4	57.5
67.5°	34.3	29.3	22.2	7.1	4.0	7.1	13.1	21.2	31.3	43.4	52.5
70°	21.2	17.2	12.1	4.0	3.0	6.1	12.1	20.2	28.3	40.4	49.4
72.5°	12.1	8.1	5.0	2.0	3.0	6.1	12.1	20.2	27.2	38.3	46.4
75°	9.1	5.0	2.0	1.0	2.0	5.0	11.1	18.2	26.2	36.3	44.4
77.5°	6.1	3.0	1.0	0.0	1.0	4.0	10.1	17.2	24.2	34.3	42.4
80°	1.0	0.0	0.0	0.0	0.0	3.0	9.1	15.1	22.2	30.3	37.3
82.5°	0.0	0.0	0.0	0.0	0.0	1.0	7.1	13.1	19.2	25.2	30.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.0	10.1	15.1	19.2	21.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	10.1	12.1	14.1
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9
2.5°	412.7	418.7	418.7	422.7	427.8	436.9	441.9	449.0	454.0	459.1	461.1
5°	381.4	382.4	383.4	385.4	391.5	401.6	410.6	421.7	434.9	444.9	451.0
7.5°	355.1	355.1	355.1	358.2	364.2	371.3	380.4	395.5	410.6	422.7	432.8
10°	333.0	336.0	337.0	342.0	349.1	358.2	368.3	381.4	398.5	414.7	432.8
12.5°	318.8	321.9	326.9	331.9	339.0	349.1	360.2	377.3	412.7	446.0	484.3
15°	305.7	309.7	315.8	322.9	330.9	342.0	354.1	389.5	472.2	534.7	595.3
17.5°	291.6	297.6	305.7	312.8	322.9	335.0	350.1	418.7	581.2	685.1	788.0
20°	273.4	281.5	290.6	301.7	313.8	327.9	350.1	479.2	738.5	887.9	1024.1
22.5°	256.3	264.3	275.4	289.6	303.7	317.8	355.1	571.1	941.3	1130.0	1302.5
25°	242.1	252.2	263.3	275.4	291.6	307.7	367.3	700.2	1185.5	1428.7	1550.7
27.5°	229.0	241.1	252.2	262.3	276.5	294.6	394.5	872.7	1474.1	1721.3	1817.1
30°	215.9	230.0	241.1	251.2	265.4	284.5	435.9	1092.7	1794.9	2035.0	2045.1
32.5°	204.8	217.9	231.0	241.1	254.3	276.5	493.4	1350.0	2123.8	2355.9	2261.0
35°	192.7	207.8	219.9	231.0	245.2	269.4	560.0	1627.4	2455.8	2650.5	2475.9
37.5°	180.6	197.8	212.9	221.0	235.1	262.3	608.4	1917.0	2794.8	2938.0	2664.6
40°	169.5	188.7	205.8	213.9	221.0	253.2	615.5	2213.6	3138.8	3221.6	2842.2
42.5°	157.4	178.6	193.7	204.8	210.9	247.2	573.1	2463.8	3427.4	3504.1	3074.2
45°	144.3	169.5	181.6	189.7	201.8	251.2	518.6	2657.6	3757.3	3889.5	3456.6
47.5°	131.2	159.4	169.5	175.6	191.7	275.4	498.4	2786.7	4301.1	4575.6	4101.3
50°	119.1	150.3	161.4	160.4	189.7	306.7	520.6	2884.6	5118.4	5441.2	4985.2
52.5°	105.9	140.2	153.4	149.3	204.8	330.9	565.0	2962.3	5746.9	6456.2	6172.7
55°	94.8	129.1	141.3	140.2	233.1	349.1	599.3	2552.6	6007.2	7399.6	7510.6
57.5°	86.8	117.0	127.1	144.3	251.2	349.1	693.1	1812.1	6012.3	8093.7	9286.3
60°	79.7	105.9	113.0	158.4	244.2	330.9	686.1	1109.8	5541.1	8046.3	10230.7
62.5°	73.7	95.8	104.9	162.4	215.9	327.9	619.5	688.1	4725.9	7433.9	9545.6
65°	68.6	87.8	100.9	149.3	195.7	351.1	417.7	494.4	3833.0	6735.7	8759.6
67.5°	63.6	80.7	106.9	122.1	177.6	313.8	301.7	351.1	3008.7	5969.9	8038.2
70°	59.5	76.7	113.0	99.9	155.4	245.2	213.9	266.4	2303.4	4981.1	7022.2
72.5°	56.5	71.6	94.8	78.7	126.1	189.7	149.3	193.7	1505.3	3888.5	5724.7
75°	53.5	65.6	69.6	63.6	93.8	124.1	113.0	130.2	896.9	2842.2	4343.5
77.5°	52.5	61.5	56.5	51.5	63.6	73.7	85.8	87.8	437.9	1421.6	2276.2
80°	46.4	55.5	48.4	42.4	43.4	48.4	63.6	58.5	99.9	361.2	607.4
82.5°	36.3	43.4	40.4	35.3	35.3	35.3	42.4	39.3	32.3	162.4	274.4
85°	25.2	30.3	30.3	28.3	27.2	27.2	26.2	25.2	9.1	10.1	15.1
87.5°	17.2	21.2	22.2	21.2	18.2	16.1	14.1	12.1	4.0	0.0	2.0
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°	358°	360°
0°	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9
2.5°	468.1	471.2	471.2	467.1	464.1	456.0	448.0	439.9	437.9	436.9
5°	468.1	480.3	486.3	485.3	478.2	465.1	448.0	429.8	424.8	422.7
7.5°	461.1	484.3	502.5	505.5	492.4	469.2	437.9	410.6	403.6	400.5
10°	477.2	522.6	559.0	564.0	548.9	503.5	453.0	406.6	395.5	388.4
12.5°	564.0	638.7	683.1	704.2	675.0	617.5	533.7	451.0	425.8	414.7
15°	739.6	845.5	930.2	930.2	903.0	801.1	695.2	561.0	526.7	496.4
17.5°	964.5	1097.7	1172.4	1164.3	1123.0	1051.3	924.2	731.5	661.9	630.6
20°	1220.8	1300.5	1317.7	1312.6	1294.5	1253.1	1165.3	958.5	864.7	816.2
22.5°	1442.8	1421.6	1396.4	1376.2	1371.2	1383.3	1371.2	1211.7	1138.1	1052.3
25°	1593.1	1473.1	1397.4	1361.1	1378.2	1447.8	1523.5	1464.0	1405.5	1316.7
27.5°	1674.8	1467.0	1358.0	1320.7	1350.0	1448.8	1613.3	1714.2	1653.7	1611.3
30°	1719.2	1462.0	1332.8	1296.5	1340.9	1465.0	1675.9	1948.3	1950.3	1882.7
32.5°	1782.8	1494.2	1337.9	1304.6	1364.1	1513.4	1754.5	2186.4	2244.9	2208.6
35°	1854.4	1543.7	1361.1	1330.8	1404.4	1578.0	1842.3	2426.5	2548.6	2536.5
37.5°	1922.0	1599.2	1415.5	1386.3	1466.0	1633.5	1927.1	2662.6	2832.1	2874.5
40°	1992.7	1676.9	1583.0	1611.3	1655.7	1721.3	2002.7	2867.4	3143.9	3207.4
42.5°	2159.1	1946.2	2089.5	2143.0	2149.0	2013.8	2168.2	3129.7	3450.6	3526.3
45°	2530.4	2425.5	2836.1	2911.8	2872.5	2462.8	2566.7	3508.1	3879.4	3917.7
47.5°	2999.6	3048.0	3858.2	4119.5	3883.4	2992.5	3050.0	4304.1	4664.3	4650.2
50°	3546.4	3775.5	5018.5	5634.9	5069.9	3680.6	3607.0	5282.8	5719.7	5676.3
52.5°	4193.2	4621.0	6412.8	7288.6	6753.9	4454.5	4424.2	6579.3	6845.7	6707.4
55°	5007.4	5437.2	8017.1	9240.9	8480.2	5398.8	5502.8	8082.6	8134.1	7695.2
57.5°	6222.1	6501.6	9907.8	11479.7	10282.1	6682.2	7435.9	10083.4	9467.9	8636.5
60°	8427.7	7870.8	11735.0	13770.0	12199.1	8487.2	9985.5	11268.9	9911.8	8765.7
62.5°	9195.5	9033.1	12879.1	14738.6	13488.5	9969.4	10648.4	10596.9	9336.7	8277.4
65°	8032.2	8743.5	12674.3	14227.1	13323.1	9725.2	9555.7	9855.3	8689.0	7535.8
67.5°	7419.8	8063.5	11898.5	12815.6	12405.9	8896.8	8517.5	8435.8	7294.6	6376.5
70°	6802.3	7439.9	10773.5	10887.5	10696.8	7546.9	7048.5	6500.6	5452.3	4654.2
72.5°	6059.7	6410.8	9212.6	8671.9	8455.9	5927.5	5822.6	4895.4	4087.2	3402.2
75°	5284.8	5182.9	7182.7	5951.7	6113.2	4611.9	4917.6	3594.9	2994.5	2448.7
77.5°	3844.1	3768.4	4810.6	3615.0	4003.5	3020.8	2714.1	1434.7	1366.1	1178.4
80°	2145.0	2585.9	2598.0	2026.0	2527.4	1969.5	679.0	47.4	30.3	44.4
82.5°	996.8	1111.9	1408.5	939.3	1441.8	975.6	140.2	0.0	0.0	0.0
85°	322.9	472.2	395.5	138.2	349.1	329.9	23.2	0.0	0.0	0.0
87.5°	19.2	39.3	10.1	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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