

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: P634741

Luminaire Tested: GWS-SA3C-735-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634741
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8330.2 lumens
Efficiency: N/A
Efficacy: 89.6 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

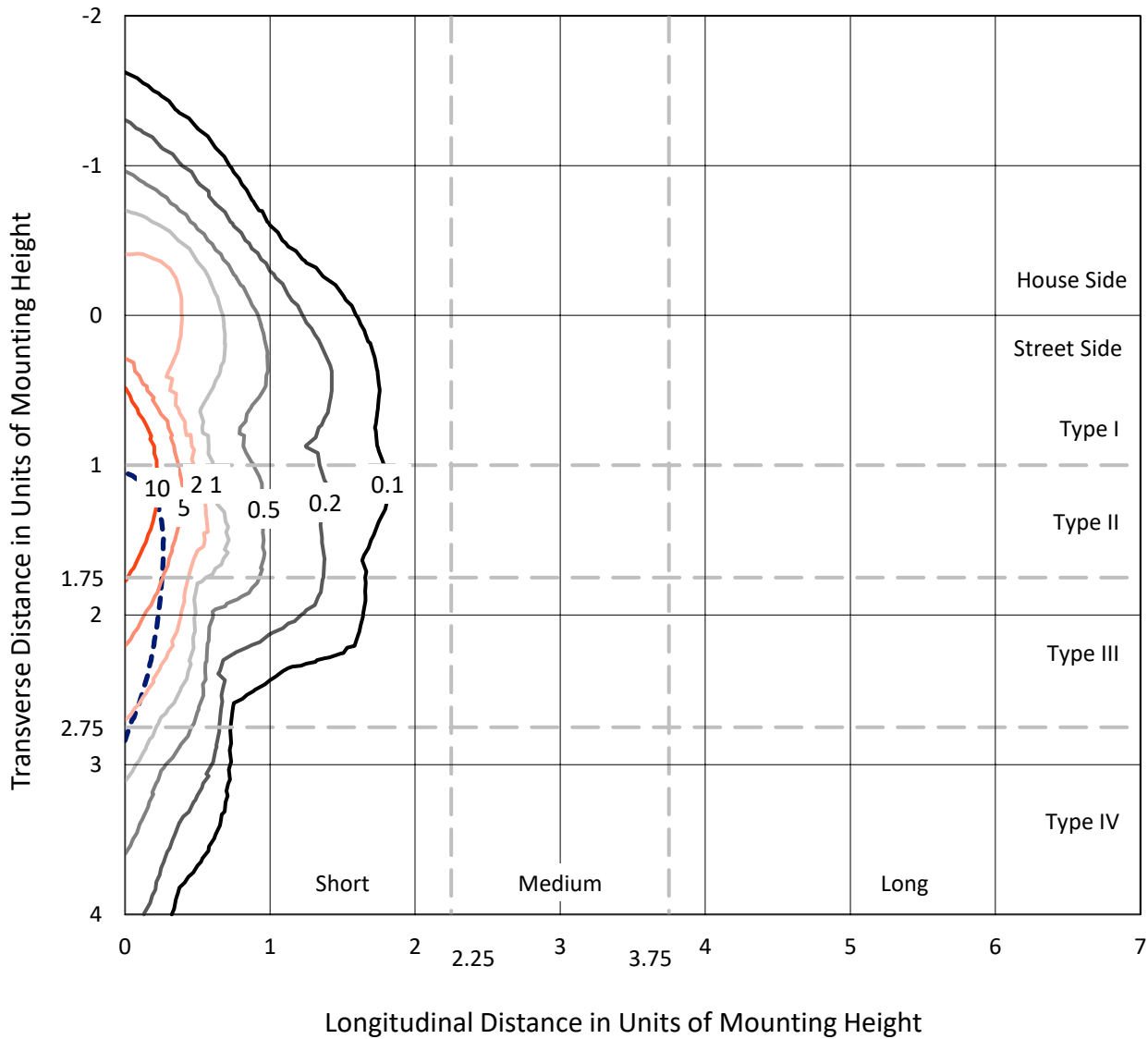
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

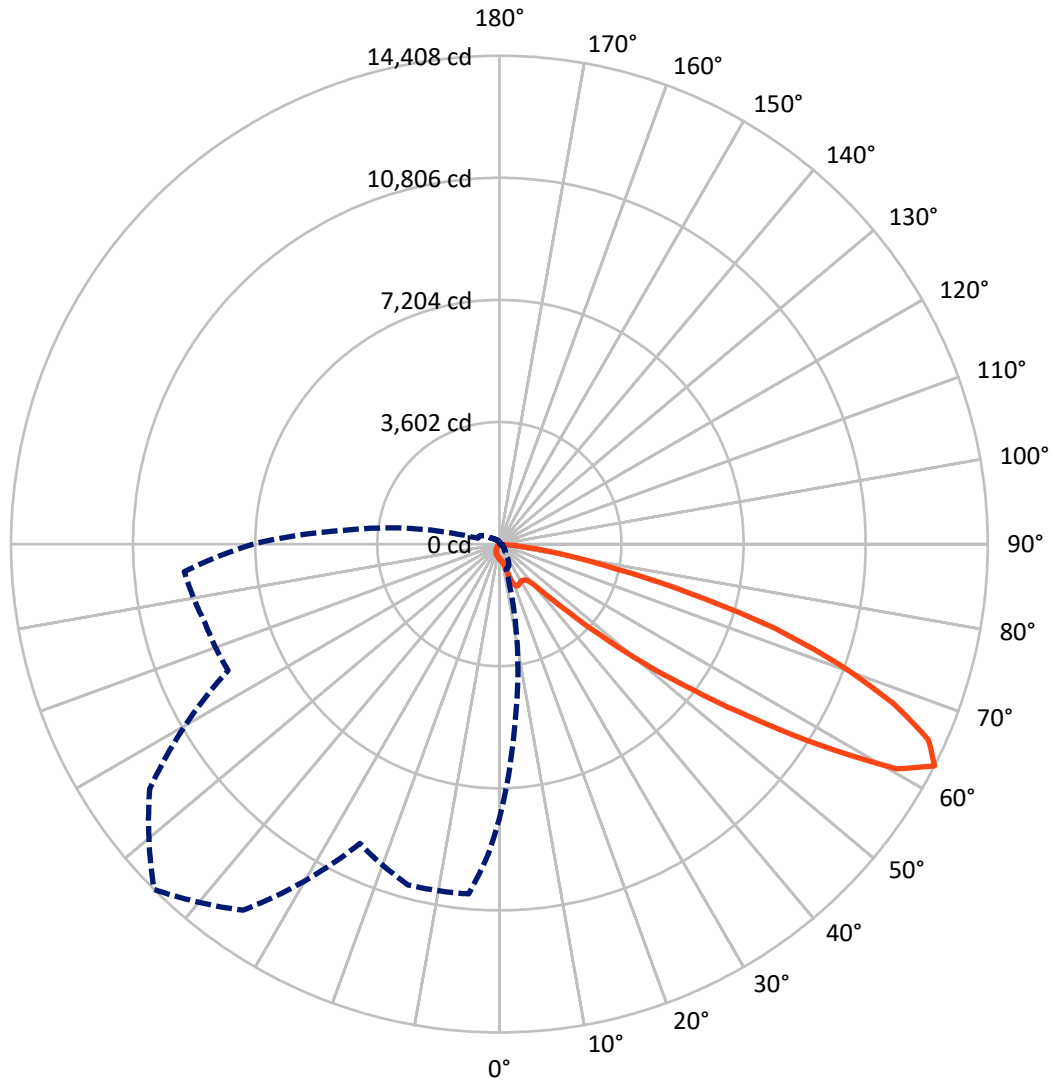
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.8 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	967.9	0.0	967.9
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	7362.3	0.0	7362.3
	% Fixture	88.4	0.0	88.4
Total	Lumens	8330.2	0.0	8330.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.3	0.4
10°-20°	127.9	1.5
20°-30°	288.9	3.5
30°-40°	497.6	6.0
40°-50°	938.7	11.3
50°-60°	2096.0	25.2
60°-70°	2803.3	33.7
70°-80°	1405.8	16.9
80°-90°	134.7	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°	8330.2	100.0
0°-180°	8330.2	100.0

Coefficient of Utilization



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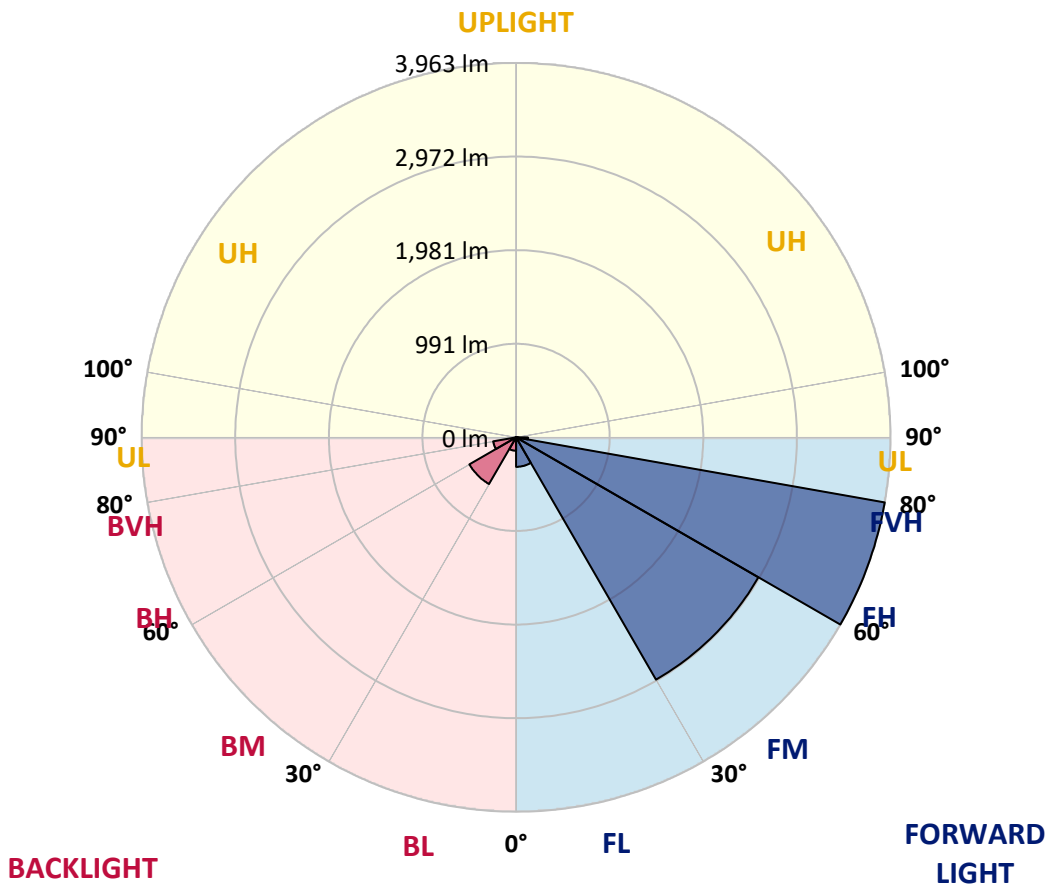
CATALOG NUMBER: GWS-SA3C-735-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	312.0	3.7			
FM (30°-60°)	2961.6	35.6			
FH (60°-80°)	3963.0	47.6			G2/5000
FVH (80°-90°)	125.8	1.5			G2/225
BL (0°-30°)	142.1	1.7	B1/500		
BM (30°-60°)	570.7	6.9	B1/1000		
BH (60°-80°)	246.1	3.0	B1/500		G1/500
BVH (80°-90°)	9.0	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°	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
2.5°	427.1	426.1	424.1	418.2	413.3	410.3	404.4	404.4	403.4	401.4	397.5
5°	413.3	409.3	405.4	394.5	382.7	375.8	367.9	366.9	366.9	364.9	364.0
7.5°	391.6	387.6	382.7	364.9	354.1	347.2	340.3	339.3	336.3	336.3	336.3
10°	379.7	373.8	365.9	346.2	335.4	329.4	324.5	321.5	319.6	316.6	315.6
12.5°	405.4	394.5	377.8	342.3	327.5	319.6	313.7	311.7	305.8	301.8	298.9
15°	485.3	458.6	425.1	351.1	324.5	312.7	304.8	300.8	295.9	289.0	284.1
17.5°	616.5	578.0	521.8	379.7	321.5	306.8	296.9	290.0	283.1	275.2	269.3
20°	797.9	740.7	673.7	432.0	321.5	299.8	288.0	279.1	269.3	260.4	253.5
22.5°	1028.8	971.5	857.1	520.8	325.5	291.0	277.2	265.3	253.5	245.6	237.7
25°	1287.2	1206.3	1099.8	628.3	336.3	279.1	264.3	252.5	241.7	231.8	222.9
27.5°	1575.2	1487.4	1345.4	781.2	360.0	267.3	250.5	239.7	229.8	220.0	208.1
30°	1840.5	1788.2	1643.2	964.6	398.5	259.4	239.7	229.8	220.0	207.1	196.3
32.5°	2159.1	2066.4	1947.0	1173.7	449.8	251.5	230.8	217.0	209.1	197.3	185.4
35°	2479.7	2400.7	2243.9	1431.2	507.0	243.6	220.0	207.1	200.2	186.4	173.6
37.5°	2810.1	2792.3	2637.5	1716.2	563.2	234.7	207.1	199.2	192.3	176.6	161.8
40°	3135.6	3103.0	2960.0	2041.7	597.7	224.9	196.3	191.3	183.5	165.7	148.9
42.5°	3447.3	3422.6	3283.5	2353.4	592.8	216.0	185.4	179.5	173.6	155.8	135.1
45°	3830.0	3789.5	3613.9	2584.2	542.5	225.9	174.6	164.7	163.7	147.0	121.3
47.5°	4546.0	4412.9	4115.0	2761.7	492.2	251.5	162.7	150.9	157.8	138.1	107.5
50°	5549.1	5392.3	4961.3	2899.8	491.2	285.1	160.8	138.1	152.9	131.2	95.7
52.5°	6557.2	6281.0	5757.3	2973.8	527.7	309.7	178.5	125.3	147.0	124.3	86.8
55°	7522.8	6949.7	6090.6	2729.2	556.3	336.3	211.1	118.4	136.1	116.4	81.9
57.5°	8443.1	7487.3	6235.6	2159.1	652.0	347.2	230.8	121.3	120.3	106.5	77.9
60°	8569.3	7461.6	5942.7	1255.6	719.0	328.5	222.9	135.1	105.5	94.7	71.0
62.5°	8091.9	6965.5	5274.9	783.2	667.8	321.5	198.3	153.9	95.7	83.8	62.1
65°	7367.0	6187.3	4398.1	505.0	506.0	357.1	173.6	150.9	89.8	74.0	53.3
67.5°	6233.7	5178.3	3465.0	338.3	286.0	304.8	151.9	103.6	87.8	63.1	41.4
70°	4550.0	3685.9	2255.8	225.9	170.6	243.6	127.2	74.0	82.9	52.3	29.6
72.5°	3325.9	2476.7	1259.6	148.0	96.7	142.0	93.7	53.3	64.1	38.5	20.7
75°	2393.8	1704.4	719.0	94.7	64.1	77.9	61.2	36.5	41.4	30.6	18.7
77.5°	1152.0	830.5	326.5	52.3	43.4	39.5	32.5	22.7	25.6	27.6	16.8
80°	43.4	32.5	24.7	25.6	27.6	17.8	14.8	11.8	14.8	18.7	8.9
82.5°	0.0	0.0	0.0	3.0	3.9	4.9	5.9	4.9	5.9	6.9	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°	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
2.5°	400.5	398.5	400.5	402.4	404.4	406.4	403.4	405.4	407.4	402.4	404.4
5°	368.9	367.9	373.8	376.8	380.7	382.7	380.7	380.7	379.7	373.8	373.8
7.5°	341.3	342.3	347.2	354.1	359.0	362.0	360.0	359.0	356.1	347.2	347.2
10°	320.6	320.6	328.5	334.4	341.3	344.2	342.3	339.3	336.3	327.5	326.5
12.5°	303.8	303.8	309.7	319.6	327.5	331.4	330.4	326.5	321.5	312.7	311.7
15°	288.0	287.0	295.9	304.8	315.6	320.6	318.6	315.6	306.8	298.9	296.9
17.5°	272.2	271.2	279.1	291.0	302.8	309.7	308.7	301.8	293.9	284.1	282.1
20°	256.4	254.5	264.3	276.2	288.0	294.9	292.9	287.0	277.2	267.3	265.3
22.5°	240.7	239.7	246.6	256.4	267.3	273.2	272.2	267.3	257.4	248.6	248.6
25°	222.9	222.9	227.8	234.7	242.6	245.6	246.6	244.6	238.7	233.8	233.8
27.5°	208.1	205.2	207.1	209.1	213.0	218.0	218.0	220.0	220.9	219.0	220.0
30°	196.3	191.3	188.4	184.4	182.5	184.4	186.4	193.3	200.2	204.2	206.1
32.5°	182.5	176.6	168.7	157.8	150.9	148.9	154.9	167.7	180.5	189.4	194.3
35°	168.7	160.8	146.0	130.2	121.3	118.4	125.3	140.1	158.8	174.6	181.5
37.5°	154.9	144.0	123.3	104.6	94.7	92.7	99.6	115.4	137.1	158.8	167.7
40°	139.1	126.3	101.6	81.9	74.0	72.0	77.9	93.7	116.4	141.0	154.9
42.5°	123.3	107.5	81.9	65.1	57.2	57.2	65.1	76.9	97.6	124.3	141.0
45°	107.5	90.7	67.1	52.3	47.3	48.3	53.3	65.1	81.9	109.5	125.3
47.5°	92.7	77.9	55.2	43.4	39.5	40.4	46.4	56.2	70.0	94.7	111.5
50°	79.9	66.1	48.3	36.5	33.5	35.5	41.4	50.3	62.1	83.8	97.6
52.5°	72.0	59.2	44.4	31.6	29.6	31.6	37.5	45.4	56.2	74.0	87.8
55°	68.1	58.2	44.4	28.6	25.6	27.6	33.5	41.4	50.3	67.1	78.9
57.5°	67.1	60.2	47.3	25.6	21.7	23.7	29.6	37.5	46.4	61.2	71.0
60°	63.1	57.2	46.4	20.7	16.8	19.7	24.7	32.5	42.4	57.2	66.1
62.5°	55.2	50.3	40.4	16.8	12.8	14.8	20.7	28.6	38.5	52.3	62.1
65°	45.4	40.4	31.6	10.8	7.9	9.9	15.8	24.7	33.5	47.3	56.2
67.5°	33.5	28.6	21.7	6.9	3.9	6.9	12.8	20.7	30.6	42.4	51.3
70°	20.7	16.8	11.8	3.9	3.0	5.9	11.8	19.7	27.6	39.5	48.3
72.5°	11.8	7.9	4.9	2.0	3.0	5.9	11.8	19.7	26.6	37.5	45.4
75°	8.9	4.9	2.0	1.0	2.0	4.9	10.8	17.8	25.6	35.5	43.4
77.5°	5.9	3.0	1.0	0.0	1.0	3.9	9.9	16.8	23.7	33.5	41.4
80°	1.0	0.0	0.0	0.0	0.0	3.0	8.9	14.8	21.7	29.6	36.5
82.5°	0.0	0.0	0.0	0.0	0.0	1.0	6.9	12.8	18.7	24.7	29.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.9	9.9	14.8	18.7	20.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	9.9	11.8	13.8
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°	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
2.5°	403.4	409.3	409.3	413.3	418.2	427.1	432.0	438.9	443.9	448.8	450.8
5°	372.8	373.8	374.8	376.8	382.7	392.6	401.4	412.3	425.1	435.0	440.9
7.5°	347.2	347.2	347.2	350.2	356.1	363.0	371.8	386.6	401.4	413.3	423.1
10°	325.5	328.5	329.4	334.4	341.3	350.2	360.0	372.8	389.6	405.4	423.1
12.5°	311.7	314.6	319.6	324.5	331.4	341.3	352.1	368.9	403.4	436.0	473.4
15°	298.9	302.8	308.7	315.6	323.5	334.4	346.2	380.7	461.6	522.8	581.9
17.5°	285.1	291.0	298.9	305.8	315.6	327.5	342.3	409.3	568.1	669.7	770.3
20°	267.3	275.2	284.1	294.9	306.8	320.6	342.3	468.5	722.0	868.0	1001.1
22.5°	250.5	258.4	269.3	283.1	296.9	310.7	347.2	558.3	920.3	1104.7	1273.4
25°	236.7	246.6	257.4	269.3	285.1	300.8	359.0	684.5	1158.9	1396.7	1516.0
27.5°	223.9	235.7	246.6	256.4	270.3	288.0	385.7	853.2	1441.0	1682.7	1776.4
30°	211.1	224.9	235.7	245.6	259.4	278.1	426.1	1068.2	1754.7	1989.4	1999.3
32.5°	200.2	213.0	225.9	235.7	248.6	270.3	482.3	1319.7	2076.2	2303.1	2210.4
35°	188.4	203.2	215.0	225.9	239.7	263.4	547.4	1591.0	2400.7	2591.1	2420.5
37.5°	176.6	193.3	208.1	216.0	229.8	256.4	594.8	1874.0	2732.2	2872.2	2604.9
40°	165.7	184.4	201.2	209.1	216.0	247.6	601.7	2164.0	3068.5	3149.4	2778.5
42.5°	153.9	174.6	189.4	200.2	206.1	241.7	560.2	2408.6	3350.6	3425.6	3005.4
45°	141.0	165.7	177.5	185.4	197.3	245.6	507.0	2598.0	3673.1	3802.3	3379.2
47.5°	128.2	155.8	165.7	171.6	187.4	269.3	487.3	2724.3	4204.8	4473.0	4009.5
50°	116.4	147.0	157.8	156.8	185.4	299.8	509.0	2819.9	5003.7	5319.3	4873.5
52.5°	103.6	137.1	149.9	146.0	200.2	323.5	552.3	2895.9	5618.2	6311.6	6034.4
55°	92.7	126.3	138.1	137.1	227.8	341.3	585.9	2495.4	5872.7	7233.8	7342.3
57.5°	84.8	114.4	124.3	141.0	245.6	341.3	677.6	1771.5	5877.6	7912.4	9078.3
60°	77.9	103.6	110.5	154.9	238.7	323.5	670.7	1085.0	5417.0	7866.0	10001.5
62.5°	72.0	93.7	102.6	158.8	211.1	320.6	605.6	672.7	4620.0	7267.3	9331.7
65°	67.1	85.8	98.6	146.0	191.3	343.2	408.3	483.3	3747.1	6584.8	8563.4
67.5°	62.1	78.9	104.6	119.3	173.6	306.8	294.9	343.2	2941.3	5836.2	7858.2
70°	58.2	75.0	110.5	97.6	151.9	239.7	209.1	260.4	2251.8	4869.6	6864.9
72.5°	55.2	70.0	92.7	76.9	123.3	185.4	146.0	189.4	1471.6	3801.3	5596.5
75°	52.3	64.1	68.1	62.1	91.7	121.3	110.5	127.2	876.9	2778.5	4246.2
77.5°	51.3	60.2	55.2	50.3	62.1	72.0	83.8	85.8	428.1	1389.8	2225.2
80°	45.4	54.2	47.3	41.4	42.4	47.3	62.1	57.2	97.6	353.1	593.8
82.5°	35.5	42.4	39.5	34.5	34.5	34.5	41.4	38.5	31.6	158.8	268.3
85°	24.7	29.6	29.6	27.6	26.6	26.6	25.6	24.7	8.9	9.9	14.8
87.5°	16.8	20.7	21.7	20.7	17.8	15.8	13.8	11.8	3.9	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°	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
2.5°	457.7	460.6	460.6	456.7	453.7	445.8	437.9	430.0	428.1	427.1
5°	457.7	469.5	475.4	474.4	467.5	454.7	437.9	420.2	415.2	413.3
7.5°	450.8	473.4	491.2	494.2	481.3	458.6	428.1	401.4	394.5	391.6
10°	466.5	510.9	546.4	551.4	536.6	492.2	442.9	397.5	386.6	379.7
12.5°	551.4	624.4	667.8	688.5	659.9	603.6	521.8	440.9	416.2	405.4
15°	723.0	826.6	909.4	909.4	882.8	783.2	679.6	548.4	514.9	485.3
17.5°	942.9	1073.1	1146.1	1138.2	1097.8	1027.8	903.5	715.1	647.0	616.5
20°	1193.5	1271.4	1288.2	1283.2	1265.5	1225.0	1139.2	937.0	845.3	797.9
22.5°	1410.5	1389.8	1365.1	1345.4	1340.4	1352.3	1340.4	1184.6	1112.6	1028.8
25°	1557.4	1440.1	1366.1	1330.6	1347.3	1415.4	1489.4	1431.2	1374.0	1287.2
27.5°	1637.3	1434.1	1327.6	1291.1	1319.7	1416.4	1577.2	1675.8	1616.6	1575.2
30°	1680.7	1429.2	1303.0	1267.4	1310.8	1432.2	1638.3	1904.6	1906.6	1840.5
32.5°	1742.9	1460.8	1307.9	1275.3	1333.5	1479.5	1715.2	2137.4	2194.6	2159.1
35°	1812.9	1509.1	1330.6	1301.0	1373.0	1542.6	1801.1	2372.1	2491.5	2479.7
37.5°	1879.0	1563.3	1383.8	1355.2	1433.1	1596.9	1883.9	2602.9	2768.7	2810.1
40°	1948.0	1639.3	1547.6	1575.2	1618.6	1682.7	1957.9	2803.2	3073.4	3135.6
42.5°	2110.8	1902.6	2042.7	2095.0	2100.9	1968.7	2119.6	3059.6	3373.3	3447.3
45°	2473.7	2371.2	2772.6	2846.6	2808.1	2407.7	2509.2	3429.5	3792.5	3830.0
47.5°	2932.4	2979.7	3771.8	4027.2	3796.4	2925.5	2981.7	4207.7	4559.8	4546.0
50°	3467.0	3690.9	4906.0	5508.7	4956.3	3598.2	3526.2	5164.5	5591.6	5549.1
52.5°	4099.2	4517.4	6269.2	7125.3	6602.5	4354.7	4325.1	6431.9	6692.3	6557.2
55°	4895.2	5315.4	7837.4	9033.9	8290.2	5277.9	5379.5	7901.6	7951.9	7522.8
57.5°	6082.7	6356.0	9685.8	11222.6	10051.8	6532.5	7269.3	9857.5	9255.8	8443.1
60°	8238.9	7694.4	11472.1	13461.5	11925.8	8297.1	9761.8	11016.4	9689.8	8569.3
62.5°	8989.5	8830.7	12590.6	14408.4	13186.4	9746.0	10409.8	10359.5	9127.6	8091.9
65°	7852.2	8547.6	12390.4	13908.4	13024.6	9507.3	9341.6	9634.6	8494.3	7367.0
67.5°	7253.5	7882.8	11631.9	12528.5	12128.0	8697.5	8326.7	8246.8	7131.2	6233.7
70°	6649.9	7273.3	10532.1	10643.6	10457.2	7377.8	6890.6	6355.0	5330.2	4550.0
72.5°	5923.9	6267.2	9006.3	8477.6	8266.5	5794.7	5692.2	4785.7	3995.7	3325.9
75°	5166.4	5066.8	7021.7	5818.4	5976.2	4508.6	4807.4	3514.3	2927.5	2393.8
77.5°	3757.9	3684.0	4702.9	3534.0	3913.8	2953.1	2653.2	1402.6	1335.5	1152.0
80°	2097.0	2528.0	2539.8	1980.6	2470.8	1925.3	663.8	46.4	29.6	43.4
82.5°	974.5	1086.9	1376.9	918.3	1409.5	953.8	137.1	0.0	0.0	0.0
85°	315.6	461.6	386.6	135.1	341.3	322.5	22.7	0.0	0.0	0.0
87.5°	18.7	38.5	9.9	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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