

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P526339

Luminaire Tested: **GALN-SA1B-735-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-735-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2965 lumens
Efficiency: N/A
Efficacy: 67.4 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

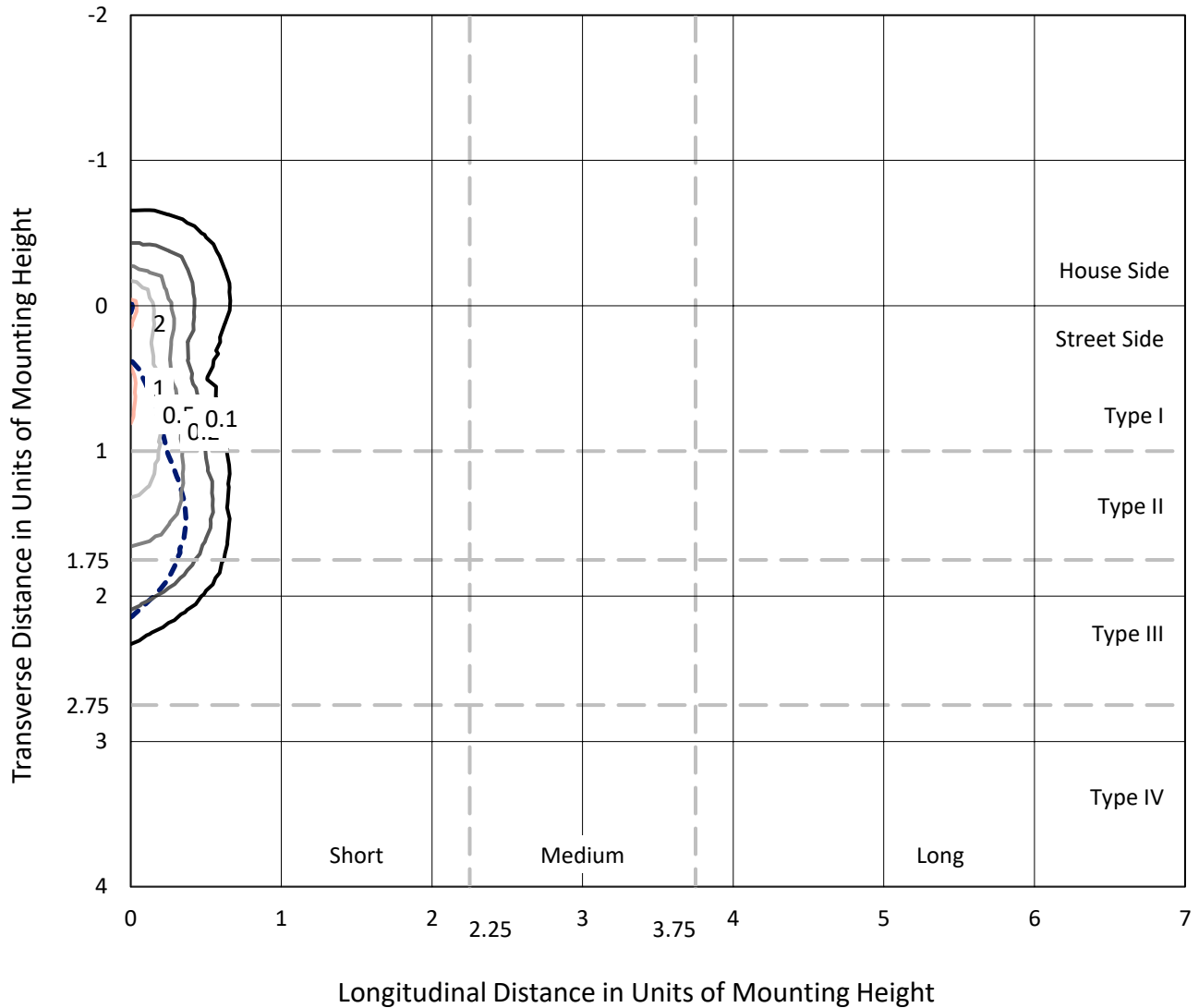
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

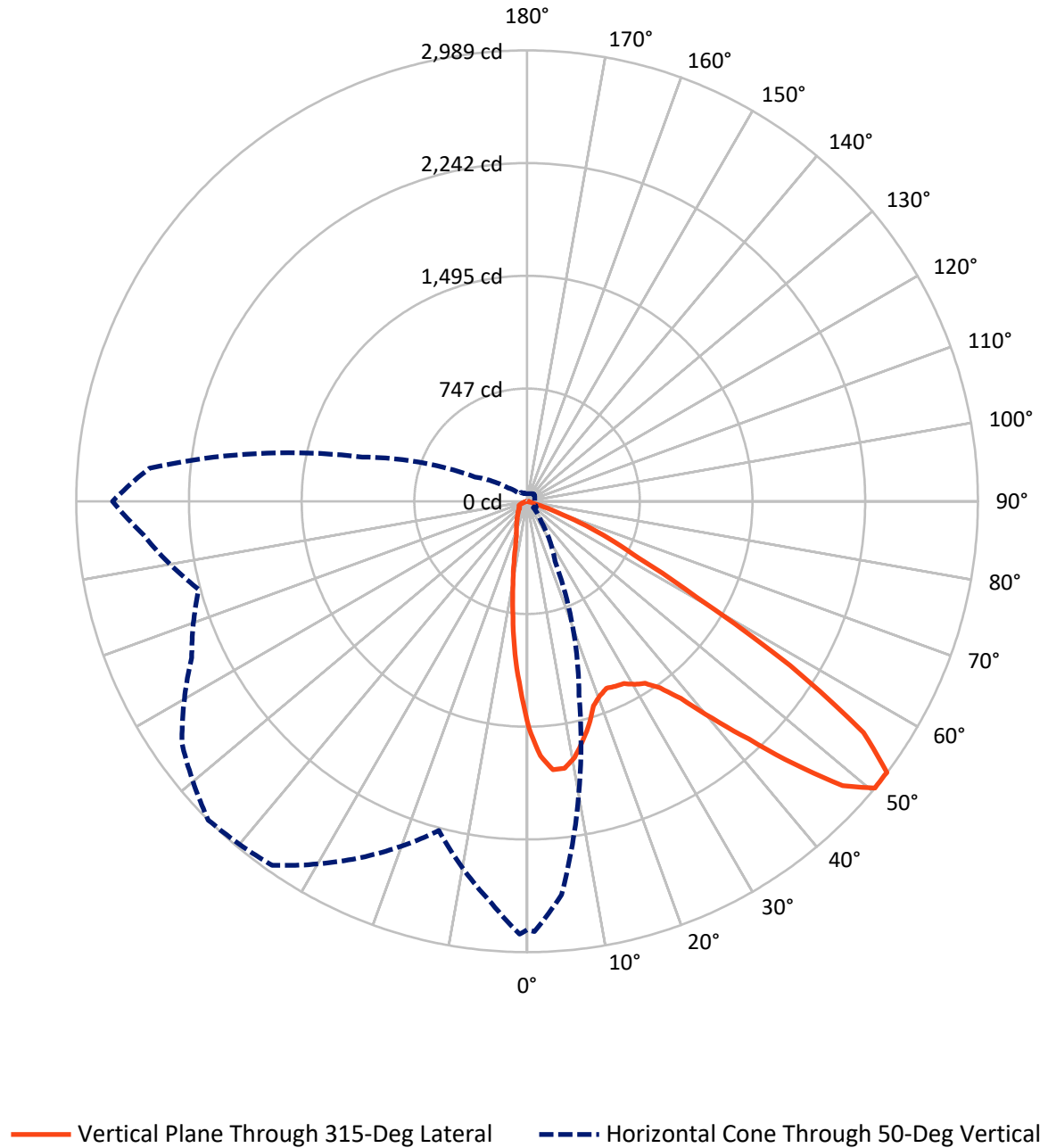
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	593.9	0.0	593.9
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	2371.1	0.0	2371.1
	% Fixture	80.0	0.0	80.0
Total	Lumens	2965.0	0.0	2965.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	3.7
10°-20°	217.8	7.3
20°-30°	327.2	11.0
30°-40°	491.2	16.6
40°-50°	690.3	23.3
50°-60°	744.6	25.1
60°-70°	345.7	11.7
70°-80°	32.5	1.1
80°-90°	6.0	0.2
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°	2965.0	100.0
0°-180°	2965.0	100.0

Coefficient of Utilization



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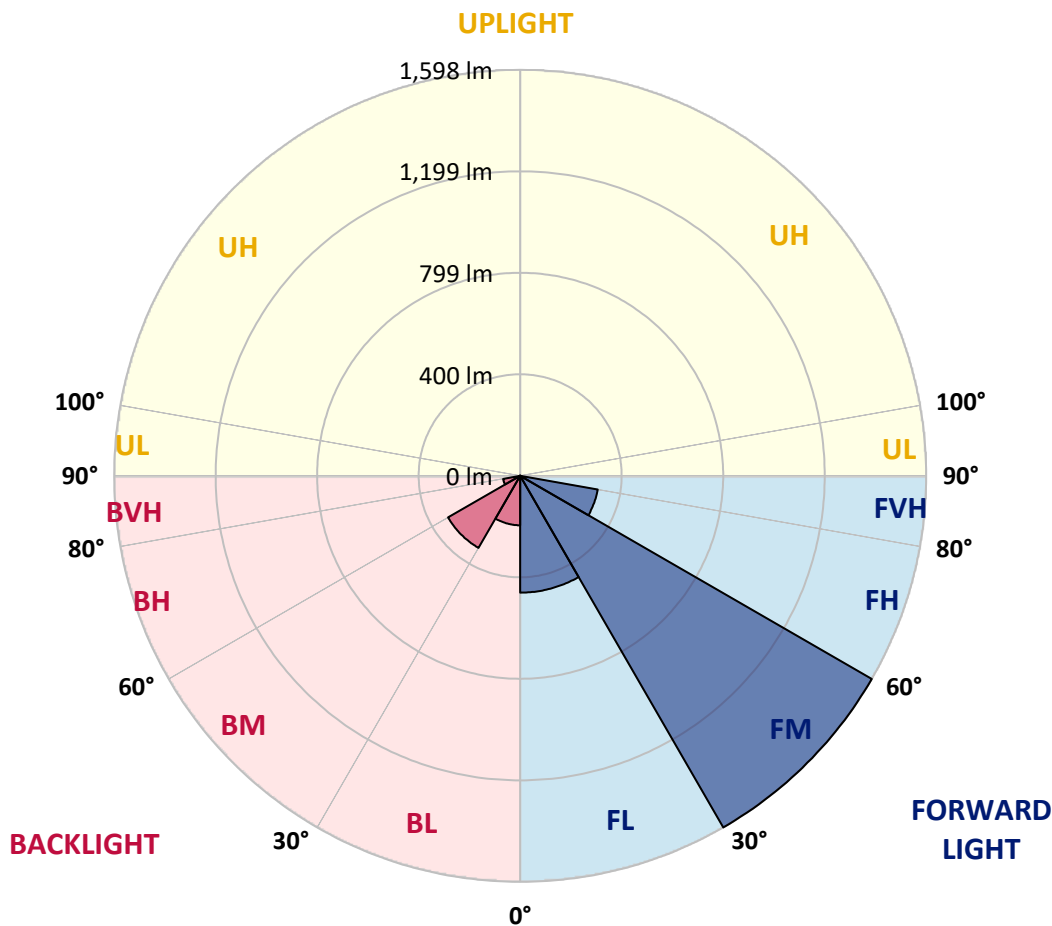
CATALOG NUMBER: GALN-SA1B-735-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	460.0	15.5			
FM (30°-60°)	1598.4	53.9			
FH (60°-80°)	310.1	10.5			G0/660
FVH (80°-90°)	2.7	0.1			G0/10
BL (0°-30°)	194.7	6.6	B1/500		
BM (30°-60°)	327.7	11.1	B1/1000		
BH (60°-80°)	68.2	2.3	B0/110		G0/110
BVH (80°-90°)	3.3	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-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6
2.5°	1563.0	1538.9	1508.3	1483.0	1445.4	1369.5	1348.9	1324.2	1303.6	1276.0	1237.1
5°	1421.3	1413.6	1399.5	1304.2	1235.4	1143.6	1068.3	1036.5	994.8	960.7	935.9
7.5°	1313.0	1282.4	1237.7	1141.8	1031.8	933.6	850.1	801.2	745.9	727.1	693.6
10°	1197.1	1204.2	1138.3	1003.6	870.6	791.2	739.5	692.4	642.4	609.5	561.8
12.5°	1160.1	1137.1	1086.5	920.1	806.5	732.4	669.5	611.2	558.3	505.3	459.4
15°	1184.2	1148.9	1078.3	902.4	757.1	664.7	585.9	507.1	458.3	390.6	343.0
17.5°	1270.7	1242.4	1147.7	921.2	731.8	600.0	483.0	401.8	327.1	265.9	241.8
20°	1414.8	1374.8	1256.0	945.4	694.2	521.8	391.8	291.8	221.2	195.3	181.8
22.5°	1556.0	1534.2	1384.2	991.8	660.6	452.4	294.1	196.5	165.3	160.6	151.8
25°	1824.8	1759.5	1580.1	1076.0	634.7	387.1	221.8	158.2	140.0	136.5	137.7
27.5°	1984.8	1930.1	1761.3	1131.8	605.9	337.1	187.7	145.3	132.9	125.3	122.4
30°	2138.4	2074.8	1851.3	1164.8	544.2	284.1	166.5	139.4	136.5	125.3	121.8
32.5°	2256.6	2194.3	1981.3	1214.2	518.9	250.0	137.1	108.8	101.2	100.0	110.6
35°	2437.8	2371.3	2092.5	1241.3	499.4	232.4	118.8	97.1	88.2	84.7	85.3
37.5°	2606.6	2561.3	2195.4	1251.8	478.9	227.1	106.5	87.1	79.4	77.1	76.5
40°	2747.8	2646.6	2293.1	1263.0	470.0	217.1	98.8	79.4	74.1	70.6	70.6
42.5°	2812.5	2709.6	2402.5	1256.6	467.7	201.2	98.8	72.9	68.8	65.3	64.7
45°	2798.4	2756.7	2451.3	1253.6	467.7	185.3	90.0	71.2	65.3	60.6	59.4
47.5°	2834.9	2780.2	2512.5	1266.0	458.3	174.1	75.9	74.7	61.8	55.9	54.7
50°	2841.4	2852.0	2619.0	1330.1	437.7	160.0	59.4	73.5	59.4	50.6	49.4
52°	2883.7	2817.8	2651.4	1364.2	415.9	149.4	50.0	62.9	57.1	47.1	45.9
52.5°	2825.5	2868.4	2659.0	1376.6	418.3	142.4	48.2	61.8	55.9	47.1	44.1
55°	2760.2	2801.4	2627.8	1403.0	383.6	111.8	37.6	44.7	50.6	41.2	39.4
57.5°	2399.0	2440.7	2283.7	1284.8	312.4	78.8	31.2	33.5	44.7	38.2	36.5
60°	2132.5	2102.5	1916.6	1071.8	221.8	44.1	24.7	25.9	48.8	35.3	34.7
62.5°	1949.0	1884.8	1601.9	827.7	135.3	29.4	19.4	20.0	37.6	32.9	32.9
65°	1441.9	1370.1	1064.2	500.6	66.5	20.6	14.7	15.9	23.5	28.2	28.2
67.5°	823.0	795.3	514.2	225.9	27.6	12.9	11.2	12.4	18.2	22.9	21.8
70°	378.3	339.4	197.7	47.7	12.9	8.8	8.8	10.0	14.7	17.1	15.9
72.5°	110.6	104.7	48.2	7.6	5.3	5.3	5.9	7.6	11.2	12.9	11.8
75°	8.2	5.3	3.5	2.4	2.4	3.5	4.7	7.6	11.2	12.4	10.0
77.5°	0.6	1.2	0.6	0.6	1.8	3.5	5.3	9.4	14.7	15.3	11.2
80°	0.6	0.6	0.0	0.6	1.8	3.5	5.9	10.6	16.5	17.6	9.4
82.5°	0.0	0.0	0.0	0.6	2.4	4.7	7.1	11.2	15.3	18.8	10.0
85°	0.0	0.0	0.0	0.6	3.5	6.5	8.2	2.9	1.8	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°	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6
2.5°	1264.8	1249.5	1243.6	1248.9	1247.1	1245.4	1277.7	1270.7	1269.5	1280.1	1277.7
5°	949.5	922.4	996.5	966.5	997.7	1016.5	1020.1	1021.8	1043.6	1020.7	1050.7
7.5°	676.5	683.6	683.0	703.0	738.9	770.6	789.5	774.8	773.6	770.6	757.7
10°	540.6	528.3	525.9	521.2	532.4	559.4	582.4	564.2	551.2	568.9	563.6
12.5°	441.8	424.7	415.3	396.5	397.1	415.3	415.3	415.3	428.3	438.3	445.9
15°	338.8	324.7	324.7	305.9	301.8	302.4	311.8	313.0	333.6	339.4	342.4
17.5°	237.1	229.4	238.3	245.9	241.2	242.4	245.9	247.1	250.0	247.7	253.5
20°	182.4	181.2	183.5	197.1	207.1	213.0	208.8	203.0	199.4	191.2	191.2
22.5°	154.7	157.1	161.2	172.4	185.3	188.8	184.1	170.6	160.0	158.8	159.4
25°	137.7	140.0	146.5	153.5	160.6	166.5	161.8	151.8	145.9	140.6	140.6
27.5°	127.1	128.2	131.8	137.1	143.0	147.7	145.9	140.6	134.1	131.8	126.5
30°	118.8	120.6	124.7	125.9	131.2	133.5	130.6	129.4	125.3	122.4	120.6
32.5°	114.7	114.1	117.1	118.2	118.8	120.6	117.1	118.8	118.2	113.5	111.8
35°	86.5	91.2	98.8	105.3	107.1	109.4	108.8	106.5	100.0	94.7	88.2
37.5°	77.7	80.6	84.7	90.0	97.1	100.0	98.8	92.9	85.3	81.8	80.6
40°	71.8	73.5	77.1	80.6	87.7	92.9	88.8	83.5	77.7	74.7	72.9
42.5°	66.5	67.1	68.8	72.4	77.7	85.9	78.8	71.8	69.4	67.7	66.5
45°	60.6	60.6	62.9	64.7	70.6	78.2	71.2	64.7	63.5	62.4	61.8
47.5°	55.9	56.5	57.7	60.0	64.7	70.0	65.3	60.0	57.1	56.5	55.3
50°	50.0	50.6	52.9	55.3	61.2	64.1	61.2	55.3	52.4	50.6	50.6
52°	45.3	47.1	49.4	54.1	58.2	62.9	59.4	52.9	49.4	47.7	46.5
52.5°	44.7	45.9	48.2	53.5	58.2	62.4	58.8	52.4	48.2	47.1	45.9
55°	40.0	41.8	45.9	52.4	57.7	62.4	57.7	51.8	45.9	42.9	41.8
57.5°	38.2	39.4	44.7	52.9	57.1	62.4	57.7	51.8	45.9	40.6	39.4
60°	36.5	38.8	44.7	51.2	56.5	62.9	58.2	51.2	44.7	38.2	38.2
62.5°	34.7	36.5	44.1	50.0	54.1	60.6	55.9	50.0	42.9	36.5	35.9
65°	30.0	32.9	38.8	41.8	46.5	52.4	47.7	43.5	37.6	32.4	31.8
67.5°	22.9	24.1	28.8	32.4	35.3	40.6	38.2	32.9	28.8	24.7	24.7
70°	15.9	17.1	20.6	22.4	25.3	28.2	26.5	22.4	19.4	17.1	16.5
72.5°	11.2	11.8	12.9	14.1	15.3	16.5	15.9	12.9	11.2	10.6	10.0
75°	8.8	10.0	10.6	10.0	9.4	8.8	8.8	7.6	6.5	5.9	5.9
77.5°	8.8	9.4	8.8	7.6	6.5	5.9	5.3	4.7	3.5	2.9	3.5
80°	7.6	7.6	7.6	6.5	5.9	5.3	4.7	4.1	3.5	2.9	2.9
82.5°	8.2	8.2	7.6	6.5	6.5	5.3	5.3	4.7	4.1	2.9	2.9
85°	0.0	0.0	0.0	1.2	2.9	5.3	5.3	4.7	4.1	3.5	3.5
87.5°	0.0	0.0	0.0	0.0	0.6	1.2	2.4	2.9	3.5	3.5	3.5
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°	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6
2.5°	1298.9	1321.3	1363.6	1406.0	1431.9	1462.4	1517.7	1547.2	1585.4	1604.2	1641.3
5°	1046.5	1099.5	1118.3	1166.5	1218.3	1270.1	1352.4	1443.0	1518.3	1570.1	1637.2
7.5°	763.6	775.9	848.9	881.2	965.9	1060.1	1172.4	1286.6	1381.9	1466.6	1517.7
10°	572.4	617.7	663.6	725.3	793.6	890.6	998.3	1124.2	1247.7	1332.4	1397.2
12.5°	460.0	495.9	557.1	623.6	707.7	771.8	880.1	1004.8	1164.8	1247.7	1333.0
15°	348.3	394.1	463.6	532.4	621.2	688.9	798.3	955.4	1161.3	1275.4	1348.9
17.5°	258.3	289.4	351.8	428.9	519.4	614.7	762.4	950.1	1200.7	1336.6	1412.4
20°	197.7	208.2	247.7	316.5	414.7	539.4	704.2	973.0	1317.1	1485.4	1562.5
22.5°	160.0	164.7	180.0	227.7	323.0	473.6	676.5	988.9	1448.3	1663.6	1766.6
25°	139.4	138.2	148.2	168.8	252.4	411.8	641.2	1048.9	1608.9	1873.1	1965.4
27.5°	127.1	127.1	131.8	146.5	209.4	371.8	618.9	1091.8	1770.7	2057.2	2107.2
30°	120.6	121.8	135.3	140.0	174.1	324.1	581.8	1135.4	1925.4	2174.8	2243.7
32.5°	111.8	107.1	104.1	115.9	146.5	281.2	544.7	1153.6	2050.7	2319.0	2377.8
35°	85.9	83.5	87.1	95.9	125.9	244.7	503.6	1174.2	2194.9	2486.0	2497.8
37.5°	77.7	77.1	79.4	87.1	105.9	213.0	474.1	1168.9	2304.9	2624.3	2592.5
40°	71.8	71.8	73.5	80.0	94.7	190.6	443.6	1164.2	2411.3	2779.6	2686.6
42.5°	67.1	67.1	70.0	74.1	90.0	175.9	420.6	1157.7	2500.8	2874.9	2741.9
45°	60.6	62.4	67.1	71.2	91.2	165.9	403.6	1133.0	2531.3	2873.7	2715.5
47.5°	55.9	58.2	62.9	68.8	82.4	163.0	391.8	1111.2	2520.8	2803.1	2632.5
50°	50.6	53.5	60.0	70.0	70.0	157.1	379.4	1130.7	2513.1	2748.4	2553.1
52°	47.1	49.4	57.7	68.2	61.2	144.7	371.8	1168.3	2544.3	2741.4	2517.8
52.5°	46.5	48.2	55.9	67.1	58.2	142.4	366.5	1177.1	2554.3	2723.7	2541.9
55°	41.2	43.5	51.2	52.4	47.7	117.1	349.4	1197.1	2504.9	2689.0	2519.0
57.5°	38.8	40.0	45.3	42.9	41.2	88.2	300.6	1166.0	2224.9	2388.4	2343.7
60°	35.9	37.1	42.4	33.5	34.7	61.8	225.9	1012.4	1786.6	1990.1	2070.7
62.5°	34.7	34.1	40.0	27.1	29.4	44.7	159.4	823.0	1376.6	1638.3	1777.8
65°	30.6	30.0	28.8	22.9	25.3	34.7	95.3	537.1	970.1	1239.5	1316.0
67.5°	23.5	24.7	21.2	18.2	21.2	27.1	52.9	240.6	508.9	743.6	805.3
70°	16.5	17.6	17.1	15.9	18.8	22.4	30.6	82.4	210.6	390.6	430.6
72.5°	10.0	12.4	12.9	13.5	16.5	19.4	21.8	26.5	55.9	138.2	171.8
75°	5.9	8.2	10.0	11.8	13.5	16.5	18.2	18.8	19.4	25.9	41.8
77.5°	4.1	5.9	8.8	11.2	13.5	16.5	19.4	20.6	19.4	18.2	19.4
80°	3.5	5.9	8.2	10.6	14.1	17.1	19.4	19.4	18.8	16.5	17.6
82.5°	3.5	5.9	8.8	11.2	13.5	16.5	18.8	19.4	17.6	16.5	17.1
85°	4.1	6.5	9.4	11.8	14.7	13.5	12.4	10.0	9.4	7.6	8.2
87.5°	4.1	5.9	5.9	6.5	7.1	7.1	7.1	6.5	5.3	4.7	4.7
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°	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6	1503.6
2.5°	1643.0	1690.1	1688.3	1689.5	1682.5	1634.8	1611.9	1553.6	1570.1	1563.0
5°	1706.0	1752.5	1792.5	1787.8	1733.6	1668.9	1573.0	1482.5	1457.7	1421.3
7.5°	1643.0	1754.8	1791.9	1786.6	1706.6	1623.6	1470.7	1380.1	1337.1	1313.0
10°	1543.0	1672.5	1718.3	1727.8	1673.6	1547.7	1407.2	1261.8	1238.9	1197.1
12.5°	1486.0	1580.1	1608.3	1633.6	1614.8	1520.7	1358.9	1219.5	1187.7	1160.1
15°	1439.5	1495.4	1507.2	1536.0	1547.2	1496.6	1384.2	1265.4	1187.1	1184.2
17.5°	1482.5	1459.5	1416.6	1425.4	1460.7	1497.2	1449.5	1356.0	1280.1	1270.7
20°	1553.6	1452.4	1355.4	1377.1	1406.6	1518.3	1548.3	1482.5	1438.9	1414.8
22.5°	1635.4	1464.8	1336.0	1346.6	1402.4	1566.0	1708.3	1671.9	1590.7	1556.0
25°	1786.6	1498.9	1351.3	1358.3	1434.8	1632.5	1853.1	1880.1	1831.9	1824.8
27.5°	1934.2	1587.2	1384.8	1368.9	1451.3	1697.2	1940.7	2086.0	2001.3	1984.8
30°	2009.5	1658.9	1434.8	1407.7	1519.5	1736.6	1993.7	2220.1	2146.0	2138.4
32.5°	2124.8	1724.2	1473.6	1438.9	1557.7	1785.4	2092.5	2366.6	2294.9	2256.6
35°	2173.1	1795.4	1558.9	1518.3	1667.2	1853.7	2143.1	2497.2	2474.9	2437.8
37.5°	2266.0	1871.9	1659.5	1657.2	1799.5	1942.5	2234.3	2674.9	2670.8	2606.6
40°	2273.7	1955.4	1818.4	1892.5	2004.3	2097.2	2314.3	2724.3	2791.4	2747.8
42.5°	2285.4	2101.9	2093.1	2154.3	2250.1	2230.1	2317.2	2736.1	2838.4	2812.5
45°	2290.7	2248.4	2372.5	2485.5	2525.5	2404.3	2289.6	2713.7	2863.1	2798.4
47.5°	2248.4	2374.3	2598.4	2816.7	2828.4	2511.3	2277.8	2690.8	2877.8	2834.9
50°	2254.3	2453.1	2793.7	2989.0	2946.1	2606.1	2259.6	2676.6	2870.2	2841.4
52°	2240.1	2454.9	2821.4	2985.5	2955.5	2553.7	2228.4	2622.5	2863.1	2883.7
52.5°	2256.0	2444.3	2792.5	2987.8	2949.0	2579.6	2224.3	2652.5	2867.2	2825.5
55°	2201.3	2318.4	2623.7	2706.6	2700.8	2341.3	2097.8	2553.1	2759.6	2760.2
57.5°	1989.5	2009.5	2057.8	2056.0	2029.0	1840.7	1794.2	2347.8	2460.2	2399.0
60°	1753.1	1471.3	1341.3	1288.3	1258.3	1227.7	1587.2	2147.8	2158.4	2132.5
62.5°	1514.8	1020.1	847.1	832.4	839.5	951.2	1534.2	2068.4	2004.8	1949.0
65°	1222.4	743.6	615.3	595.9	664.7	785.3	1241.8	1586.0	1488.3	1441.9
67.5°	767.7	542.4	415.9	379.4	462.4	540.6	815.9	996.5	887.1	823.0
70°	455.3	303.0	188.2	168.8	190.0	288.3	457.1	497.1	411.2	378.3
72.5°	179.4	111.2	52.4	44.7	46.5	101.2	168.2	164.1	124.1	110.6
75°	48.2	33.5	18.2	14.7	12.4	18.8	27.1	17.6	6.5	8.2
77.5°	22.4	20.0	15.9	12.4	9.4	7.1	3.5	1.2	1.2	0.6
80°	19.4	17.1	14.7	12.4	9.4	5.9	2.9	0.6	0.6	0.6
82.5°	18.2	15.9	13.5	11.2	8.8	5.9	2.9	0.6	0.0	0.0
85°	7.6	10.0	11.2	10.6	9.4	5.9	2.9	0.6	0.0	0.0
87.5°	4.1	3.5	2.9	2.4	1.8	1.2	1.2	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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