

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: P526287

Luminaire Tested: **GALN-SA1B-727-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526287
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-727-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 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: 2662 lumens
Efficiency: N/A
Efficacy: 60.5 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

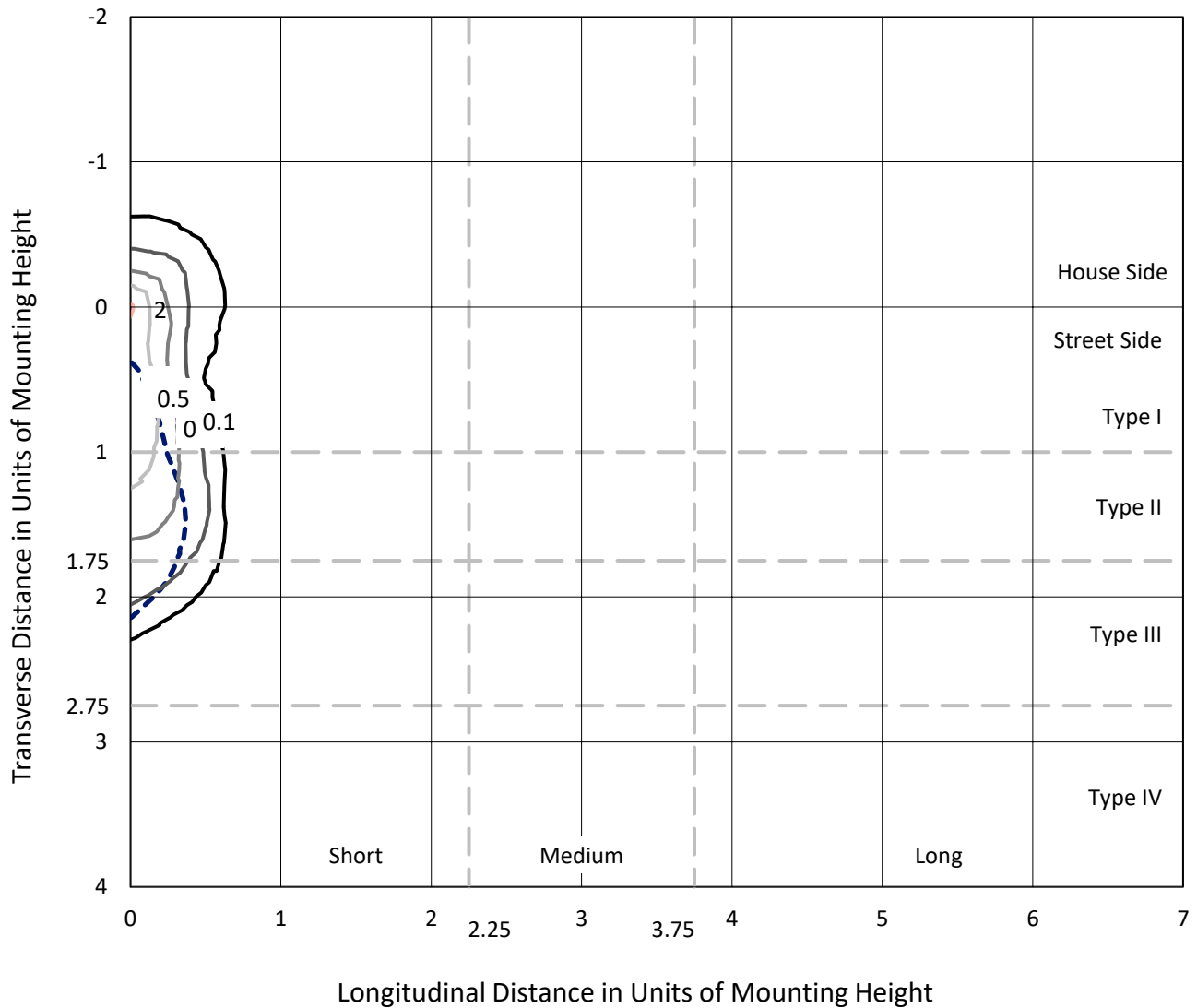
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

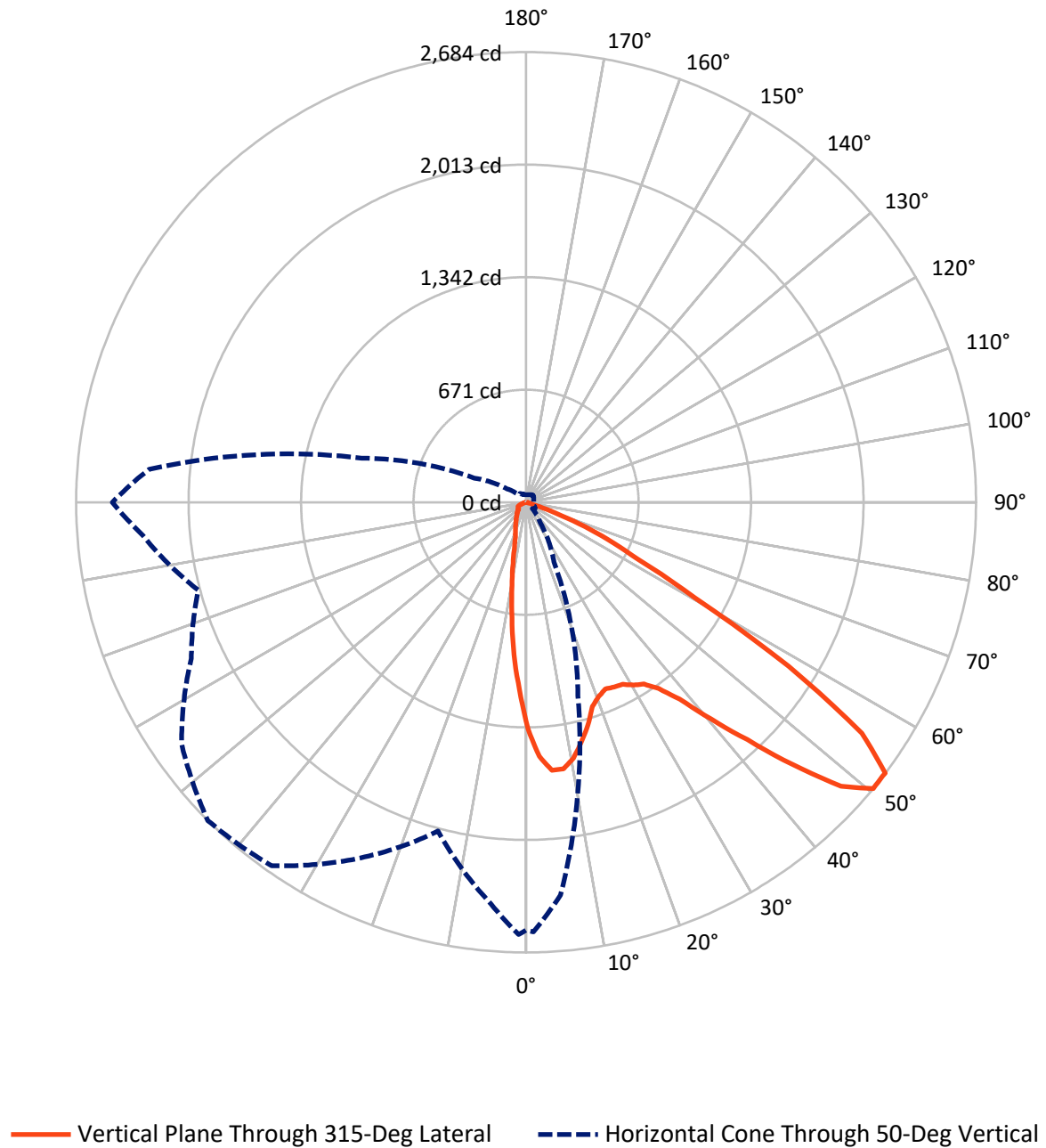
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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	533.2	0.0	533.2
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	2128.8	0.0	2128.8
	% Fixture	80.0	0.0	80.0
Total	Lumens	2662.0	0.0	2662.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.4	3.7
10°-20°	195.6	7.3
20°-30°	293.8	11.0
30°-40°	441.0	16.6
40°-50°	619.8	23.3
50°-60°	668.5	25.1
60°-70°	310.4	11.7
70°-80°	29.2	1.1
80°-90°	5.4	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°	2662.0	100.0
0°-180°	2662.0	100.0

Coefficient of Utilization



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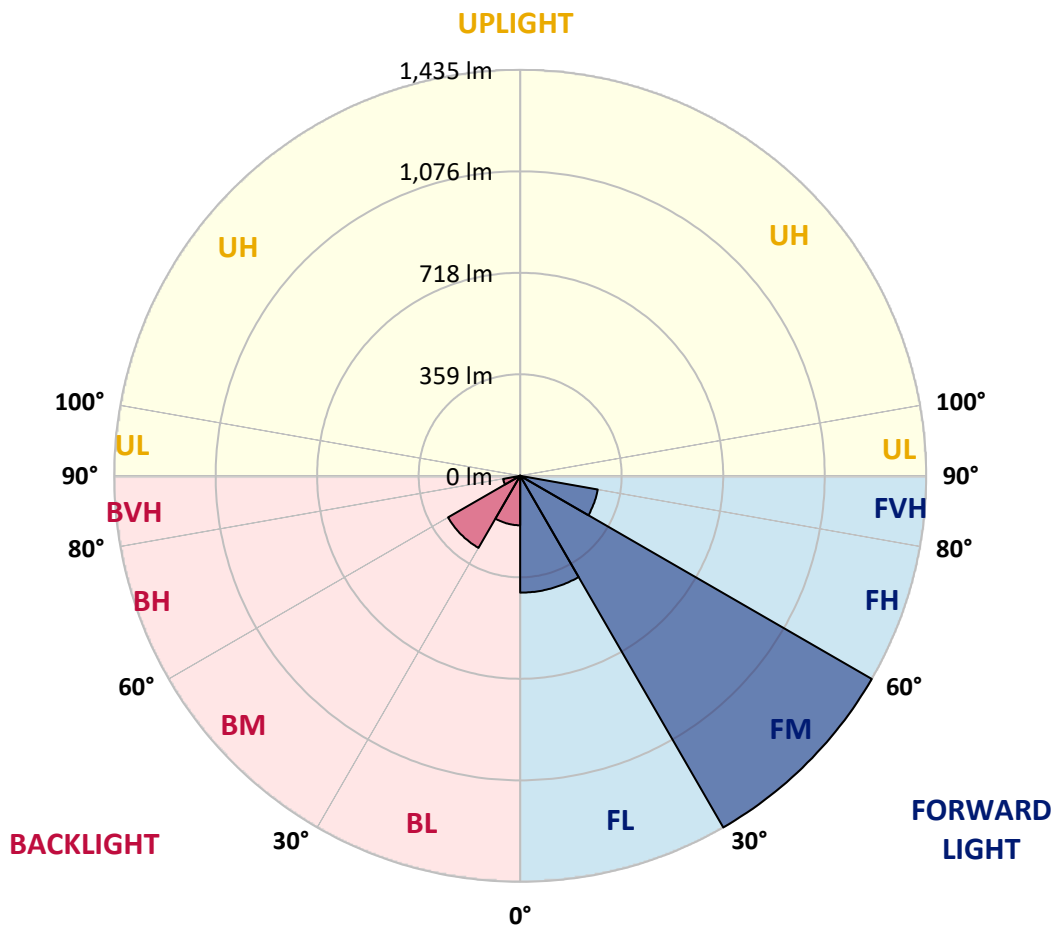
CATALOG NUMBER: GALN-SA1B-727-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	413.0	15.5			
FM (30°-60°)	1435.0	53.9			
FH (60°-80°)	278.4	10.5			G0/660
FVH (80°-90°)	2.4	0.1			G0/10
BL (0°-30°)	174.8	6.6	B1/500		
BM (30°-60°)	294.2	11.1	B1/1000		
BH (60°-80°)	61.2	2.3	B0/110		G0/110
BVH (80°-90°)	3.0	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-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0
2.5°	1403.3	1381.7	1354.2	1331.5	1297.7	1229.5	1211.1	1188.9	1170.4	1145.6	1110.7
5°	1276.0	1269.2	1256.5	1170.9	1109.1	1026.7	959.1	930.6	893.1	862.5	840.3
7.5°	1178.8	1151.4	1111.2	1025.2	926.4	838.2	763.2	719.3	669.7	652.8	622.7
10°	1074.8	1081.1	1022.0	901.0	781.7	710.4	663.9	621.6	576.7	547.2	504.4
12.5°	1041.5	1020.9	975.5	826.0	724.1	657.6	601.0	548.8	501.2	453.7	412.5
15°	1063.2	1031.5	968.1	810.2	679.7	596.8	526.0	455.3	411.4	350.7	307.9
17.5°	1140.8	1115.5	1030.4	827.1	657.0	538.7	433.6	360.7	293.7	238.7	217.1
20°	1270.2	1234.3	1127.6	848.7	623.2	468.5	351.8	262.0	198.6	175.3	163.2
22.5°	1397.0	1377.4	1242.8	890.5	593.1	406.2	264.1	176.4	148.4	144.2	136.3
25°	1638.3	1579.7	1418.6	966.0	569.9	347.5	199.1	142.1	125.7	122.5	123.6
27.5°	1782.0	1732.9	1581.3	1016.2	544.0	302.6	168.5	130.5	119.4	112.5	109.9
30°	1919.9	1862.8	1662.1	1045.8	488.5	255.1	149.5	125.2	122.5	112.5	109.3
32.5°	2026.0	1970.0	1778.8	1090.1	465.8	224.5	123.1	97.7	90.8	89.8	99.3
35°	2188.7	2129.0	1878.7	1114.4	448.4	208.6	106.7	87.1	79.2	76.1	76.6
37.5°	2340.3	2299.6	1971.1	1123.9	429.9	203.9	95.6	78.2	71.3	69.2	68.7
40°	2467.0	2376.2	2058.8	1134.0	422.0	194.9	88.7	71.3	66.5	63.4	63.4
42.5°	2525.1	2432.7	2157.0	1128.1	419.9	180.6	88.7	65.5	61.8	58.6	58.1
45°	2512.4	2474.9	2200.8	1125.5	419.9	166.4	80.8	63.9	58.6	54.4	53.3
47.5°	2545.2	2496.1	2255.8	1136.6	411.4	156.3	68.1	67.1	55.5	50.2	49.1
50°	2551.0	2560.5	2351.4	1194.2	392.9	143.7	53.3	66.0	53.3	45.4	44.4
52°	2589.0	2529.9	2380.4	1224.8	373.4	134.2	44.9	56.5	51.2	42.3	41.2
52.5°	2536.7	2575.3	2387.3	1235.9	375.5	127.8	43.3	55.5	50.2	42.3	39.6
55°	2478.1	2515.1	2359.3	1259.7	344.4	100.3	33.8	40.1	45.4	37.0	35.4
57.5°	2153.8	2191.3	2050.3	1153.5	280.5	70.8	28.0	30.1	40.1	34.3	32.7
60°	1914.6	1887.6	1720.7	962.3	199.1	39.6	22.2	23.2	43.8	31.7	31.2
62.5°	1749.8	1692.2	1438.2	743.1	121.5	26.4	17.4	18.0	33.8	29.6	29.6
65°	1294.5	1230.1	955.4	449.5	59.7	18.5	13.2	14.3	21.1	25.4	25.4
67.5°	738.9	714.1	461.6	202.8	24.8	11.6	10.0	11.1	16.4	20.6	19.5
70°	339.6	304.7	177.5	42.8	11.6	7.9	7.9	9.0	13.2	15.3	14.3
72.5°	99.3	94.0	43.3	6.9	4.8	4.8	5.3	6.9	10.0	11.6	10.6
75°	7.4	4.8	3.2	2.1	2.1	3.2	4.2	6.9	10.0	11.1	9.0
77.5°	0.5	1.1	0.5	0.5	1.6	3.2	4.8	8.5	13.2	13.7	10.0
80°	0.5	0.5	0.0	0.5	1.6	3.2	5.3	9.5	14.8	15.8	8.5
82.5°	0.0	0.0	0.0	0.5	2.1	4.2	6.3	10.0	13.7	16.9	9.0
85°	0.0	0.0	0.0	0.5	3.2	5.8	7.4	2.6	1.6	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°	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0
2.5°	1135.5	1121.8	1116.5	1121.3	1119.7	1118.1	1147.2	1140.8	1139.8	1149.3	1147.2
5°	852.4	828.2	894.7	867.8	895.8	912.7	915.8	917.4	937.0	916.4	943.3
7.5°	607.4	613.7	613.2	631.1	663.4	691.9	708.8	695.6	694.5	691.9	680.3
10°	485.4	474.3	472.2	467.9	478.0	502.3	522.9	506.5	494.9	510.7	506.0
12.5°	396.6	381.3	372.9	356.0	356.5	372.9	372.9	372.9	384.5	393.5	400.3
15°	304.2	291.5	291.5	274.6	270.9	271.5	279.9	281.0	299.5	304.7	307.4
17.5°	212.8	206.0	213.9	220.8	216.5	217.6	220.8	221.8	224.5	222.4	227.6
20°	163.7	162.7	164.8	176.9	185.9	191.2	187.5	182.2	179.0	171.7	171.7
22.5°	138.9	141.0	144.7	154.8	166.4	169.5	165.3	153.2	143.7	142.6	143.1
25°	123.6	125.7	131.5	137.8	144.2	149.5	145.2	136.3	131.0	126.2	126.2
27.5°	114.1	115.1	118.3	123.1	128.3	132.6	131.0	126.2	120.4	118.3	113.6
30°	106.7	108.3	112.0	113.0	117.8	119.9	117.3	116.2	112.5	109.9	108.3
32.5°	103.0	102.5	105.1	106.2	106.7	108.3	105.1	106.7	106.2	101.9	100.3
35°	77.6	81.9	88.7	94.5	96.1	98.2	97.7	95.6	89.8	85.0	79.2
37.5°	69.7	72.4	76.1	80.8	87.1	89.8	88.7	83.4	76.6	73.4	72.4
40°	64.4	66.0	69.2	72.4	78.7	83.4	79.8	75.0	69.7	67.1	65.5
42.5°	59.7	60.2	61.8	65.0	69.7	77.1	70.8	64.4	62.3	60.7	59.7
45°	54.4	54.4	56.5	58.1	63.4	70.2	63.9	58.1	57.0	56.0	55.5
47.5°	50.2	50.7	51.8	53.9	58.1	62.9	58.6	53.9	51.2	50.7	49.6
50°	44.9	45.4	47.5	49.6	54.9	57.6	54.9	49.6	47.0	45.4	45.4
52°	40.7	42.3	44.4	48.6	52.3	56.5	53.3	47.5	44.4	42.8	41.7
52.5°	40.1	41.2	43.3	48.1	52.3	56.0	52.8	47.0	43.3	42.3	41.2
55°	35.9	37.5	41.2	47.0	51.8	56.0	51.8	46.5	41.2	38.6	37.5
57.5°	34.3	35.4	40.1	47.5	51.2	56.0	51.8	46.5	41.2	36.4	35.4
60°	32.7	34.9	40.1	45.9	50.7	56.5	52.3	45.9	40.1	34.3	34.3
62.5°	31.2	32.7	39.6	44.9	48.6	54.4	50.2	44.9	38.6	32.7	32.2
65°	26.9	29.6	34.9	37.5	41.7	47.0	42.8	39.1	33.8	29.0	28.5
67.5°	20.6	21.7	25.9	29.0	31.7	36.4	34.3	29.6	25.9	22.2	22.2
70°	14.3	15.3	18.5	20.1	22.7	25.4	23.8	20.1	17.4	15.3	14.8
72.5°	10.0	10.6	11.6	12.7	13.7	14.8	14.3	11.6	10.0	9.5	9.0
75°	7.9	9.0	9.5	9.0	8.5	7.9	7.9	6.9	5.8	5.3	5.3
77.5°	7.9	8.5	7.9	6.9	5.8	5.3	4.8	4.2	3.2	2.6	3.2
80°	6.9	6.9	6.9	5.8	5.3	4.8	4.2	3.7	3.2	2.6	2.6
82.5°	7.4	7.4	6.9	5.8	5.8	4.8	4.8	4.2	3.7	2.6	2.6
85°	0.0	0.0	0.0	1.1	2.6	4.8	4.8	4.2	3.7	3.2	3.2
87.5°	0.0	0.0	0.0	0.0	0.5	1.1	2.1	2.6	3.2	3.2	3.2
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°	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0
2.5°	1166.2	1186.2	1224.3	1262.3	1285.5	1313.0	1362.6	1389.1	1423.4	1440.3	1473.6
5°	939.6	987.1	1004.0	1047.3	1093.8	1140.3	1214.2	1295.6	1363.2	1409.7	1469.9
7.5°	685.5	696.6	762.1	791.2	867.2	951.7	1052.6	1155.1	1240.6	1316.7	1362.6
10°	513.9	554.6	595.8	651.2	712.5	799.6	896.3	1009.3	1120.2	1196.3	1254.4
12.5°	413.0	445.2	500.2	559.8	635.4	692.9	790.1	902.1	1045.8	1120.2	1196.8
15°	312.7	353.9	416.2	478.0	557.7	618.5	716.7	857.7	1042.6	1145.0	1211.1
17.5°	231.9	259.9	315.8	385.0	466.4	551.9	684.5	853.0	1078.0	1200.0	1268.1
20°	177.5	187.0	222.4	284.1	372.4	484.3	632.2	873.6	1182.5	1333.6	1402.8
22.5°	143.7	147.9	161.6	204.4	290.0	425.2	607.4	887.8	1300.3	1493.6	1586.1
25°	125.2	124.1	133.1	151.6	226.6	369.7	575.7	941.7	1444.5	1681.7	1764.6
27.5°	114.1	114.1	118.3	131.5	188.0	333.8	555.6	980.3	1589.8	1847.0	1891.9
30°	108.3	109.3	121.5	125.7	156.3	291.0	522.3	1019.3	1728.7	1952.6	2014.4
32.5°	100.3	96.1	93.5	104.0	131.5	252.5	489.1	1035.7	1841.2	2082.0	2134.8
35°	77.1	75.0	78.2	86.1	113.0	219.7	452.1	1054.2	1970.6	2232.0	2242.6
37.5°	69.7	69.2	71.3	78.2	95.1	191.2	425.7	1049.4	2069.3	2356.1	2327.6
40°	64.4	64.4	66.0	71.8	85.0	171.1	398.2	1045.2	2164.9	2495.5	2412.1
42.5°	60.2	60.2	62.9	66.5	80.8	157.9	377.6	1039.4	2245.2	2581.1	2461.7
45°	54.4	56.0	60.2	63.9	81.9	148.9	362.3	1017.2	2272.7	2580.0	2438.0
47.5°	50.2	52.3	56.5	61.8	73.9	146.3	351.8	997.7	2263.2	2516.7	2363.5
50°	45.4	48.1	53.9	62.9	62.9	141.0	340.7	1015.1	2256.3	2467.5	2292.2
52°	42.3	44.4	51.8	61.3	54.9	129.9	333.8	1048.9	2284.3	2461.2	2260.5
52.5°	41.7	43.3	50.2	60.2	52.3	127.8	329.0	1056.8	2293.3	2445.4	2282.2
55°	37.0	39.1	45.9	47.0	42.8	105.1	313.7	1074.8	2248.9	2414.2	2261.6
57.5°	34.9	35.9	40.7	38.6	37.0	79.2	269.9	1046.8	1997.5	2144.3	2104.2
60°	32.2	33.3	38.0	30.1	31.2	55.5	202.8	909.0	1604.0	1786.8	1859.1
62.5°	31.2	30.6	35.9	24.3	26.4	40.1	143.1	738.9	1235.9	1470.9	1596.1
65°	27.5	26.9	25.9	20.6	22.7	31.2	85.6	482.2	870.9	1112.8	1181.5
67.5°	21.1	22.2	19.0	16.4	19.0	24.3	47.5	216.0	456.9	667.6	723.0
70°	14.8	15.8	15.3	14.3	16.9	20.1	27.5	73.9	189.1	350.7	386.6
72.5°	9.0	11.1	11.6	12.1	14.8	17.4	19.5	23.8	50.2	124.1	154.2
75°	5.3	7.4	9.0	10.6	12.1	14.8	16.4	16.9	17.4	23.2	37.5
77.5°	3.7	5.3	7.9	10.0	12.1	14.8	17.4	18.5	17.4	16.4	17.4
80°	3.2	5.3	7.4	9.5	12.7	15.3	17.4	17.4	16.9	14.8	15.8
82.5°	3.2	5.3	7.9	10.0	12.1	14.8	16.9	17.4	15.8	14.8	15.3
85°	3.7	5.8	8.5	10.6	13.2	12.1	11.1	9.0	8.5	6.9	7.4
87.5°	3.7	5.3	5.3	5.8	6.3	6.3	6.3	5.8	4.8	4.2	4.2
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°	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0
2.5°	1475.1	1517.4	1515.8	1516.9	1510.5	1467.7	1447.2	1394.9	1409.7	1403.3
5°	1531.7	1573.4	1609.3	1605.1	1556.5	1498.4	1412.3	1331.0	1308.8	1276.0
7.5°	1475.1	1575.5	1608.8	1604.0	1532.2	1457.7	1320.4	1239.1	1200.5	1178.8
10°	1385.4	1501.6	1542.7	1551.2	1502.6	1389.6	1263.4	1132.9	1112.3	1074.8
12.5°	1334.1	1418.6	1444.0	1466.7	1449.8	1365.3	1220.0	1094.9	1066.3	1041.5
15°	1292.4	1342.6	1353.1	1379.0	1389.1	1343.6	1242.8	1136.1	1065.8	1063.2
17.5°	1331.0	1310.4	1271.8	1279.7	1311.4	1344.2	1301.4	1217.4	1149.3	1140.8
20°	1394.9	1304.0	1216.9	1236.4	1262.8	1363.2	1390.1	1331.0	1291.9	1270.2
22.5°	1468.3	1315.1	1199.4	1209.0	1259.1	1406.0	1533.8	1501.0	1428.1	1397.0
25°	1604.0	1345.7	1213.2	1219.5	1288.2	1465.6	1663.7	1688.0	1644.7	1638.3
27.5°	1736.6	1425.0	1243.3	1229.0	1303.0	1523.7	1742.4	1872.8	1796.8	1782.0
30°	1804.2	1489.4	1288.2	1263.9	1364.2	1559.1	1789.9	1993.3	1926.7	1919.9
32.5°	1907.7	1548.0	1323.0	1291.9	1398.6	1603.0	1878.7	2124.8	2060.3	2026.0
35°	1951.0	1611.9	1399.6	1363.2	1496.8	1664.2	1924.1	2242.0	2222.0	2188.7
37.5°	2034.5	1680.6	1489.9	1487.8	1615.6	1744.0	2005.9	2401.5	2397.8	2340.3
40°	2041.3	1755.6	1632.5	1699.1	1799.4	1882.9	2077.8	2445.9	2506.1	2467.0
42.5°	2051.9	1887.1	1879.2	1934.1	2020.2	2002.2	2080.4	2456.5	2548.4	2525.1
45°	2056.6	2018.6	2130.1	2231.5	2267.4	2158.6	2055.6	2436.4	2570.5	2512.4
47.5°	2018.6	2131.6	2332.9	2528.8	2539.4	2254.7	2045.0	2415.8	2583.7	2545.2
50°	2023.9	2202.4	2508.2	2683.6	2645.0	2339.7	2028.7	2403.1	2576.9	2551.0
52°	2011.2	2204.0	2533.0	2680.4	2653.5	2292.7	2000.7	2354.5	2570.5	2589.0
52.5°	2025.5	2194.5	2507.2	2682.5	2647.7	2316.0	1997.0	2381.5	2574.2	2536.7
55°	1976.4	2081.5	2355.6	2430.1	2424.8	2102.1	1883.4	2292.2	2477.6	2478.1
57.5°	1786.2	1804.2	1847.5	1845.9	1821.6	1652.6	1610.9	2107.9	2208.8	2153.8
60°	1573.9	1320.9	1204.2	1156.7	1129.7	1102.3	1425.0	1928.3	1937.8	1914.6
62.5°	1360.0	915.8	760.5	747.3	753.7	854.0	1377.4	1857.0	1800.0	1749.8
65°	1097.5	667.6	552.5	535.0	596.8	705.1	1114.9	1423.9	1336.2	1294.5
67.5°	689.2	487.0	373.4	340.7	415.1	485.4	732.6	894.7	796.5	738.9
70°	408.8	272.0	169.0	151.6	170.6	258.8	410.4	446.3	369.2	339.6
72.5°	161.1	99.8	47.0	40.1	41.7	90.8	151.1	147.4	111.4	99.3
75°	43.3	30.1	16.4	13.2	11.1	16.9	24.3	15.8	5.8	7.4
77.5°	20.1	18.0	14.3	11.1	8.5	6.3	3.2	1.1	1.1	0.5
80°	17.4	15.3	13.2	11.1	8.5	5.3	2.6	0.5	0.5	0.5
82.5°	16.4	14.3	12.1	10.0	7.9	5.3	2.6	0.5	0.0	0.0
85°	6.9	9.0	10.0	9.5	8.5	5.3	2.6	0.5	0.0	0.0
87.5°	3.7	3.2	2.6	2.1	1.6	1.1	1.1	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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