

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: P526363

Luminaire Tested: **GALN-SA1B-740-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526363  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1B-740-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3183 lumens  
Efficiency: N/A  
Efficacy: 72.3 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

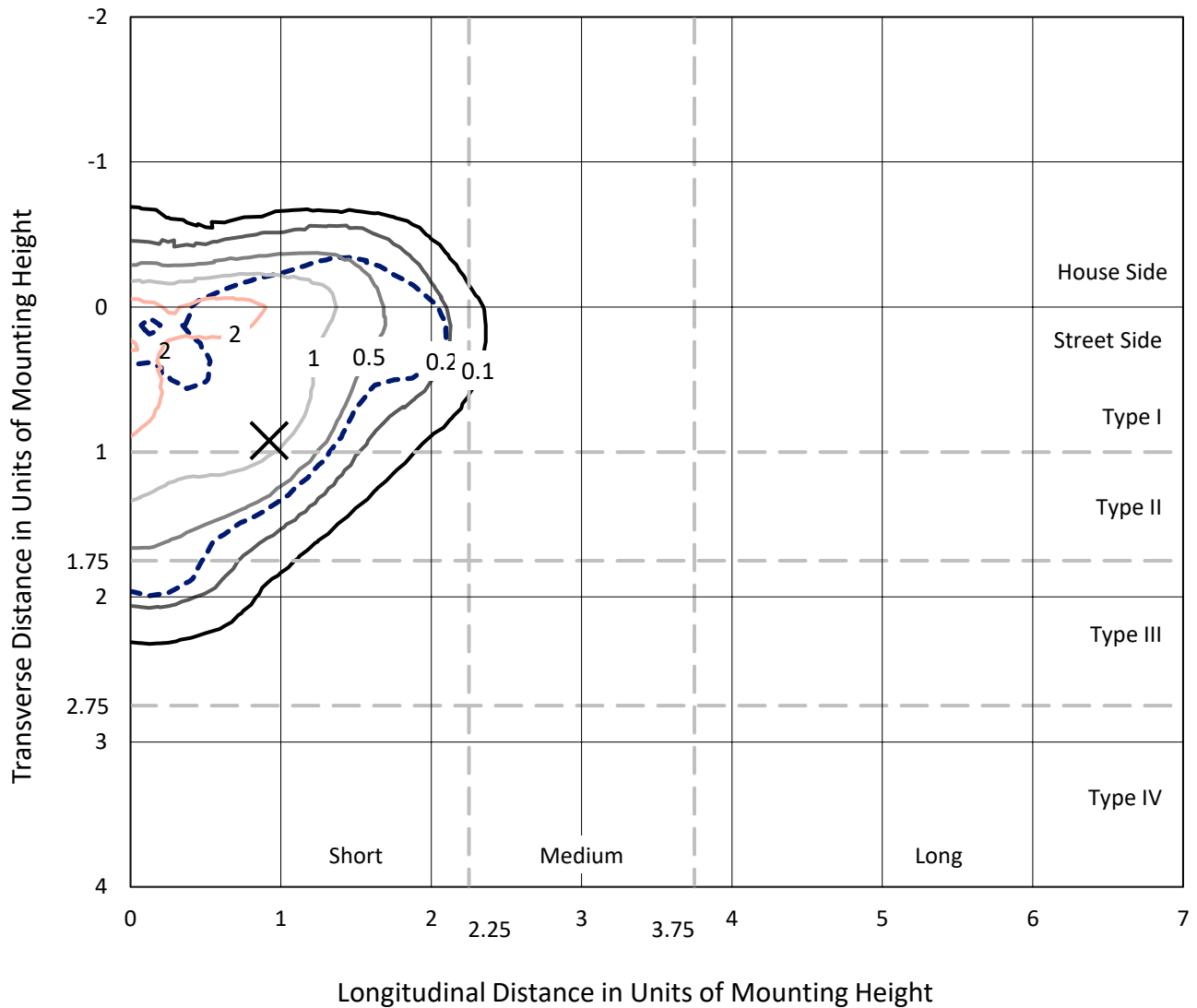
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

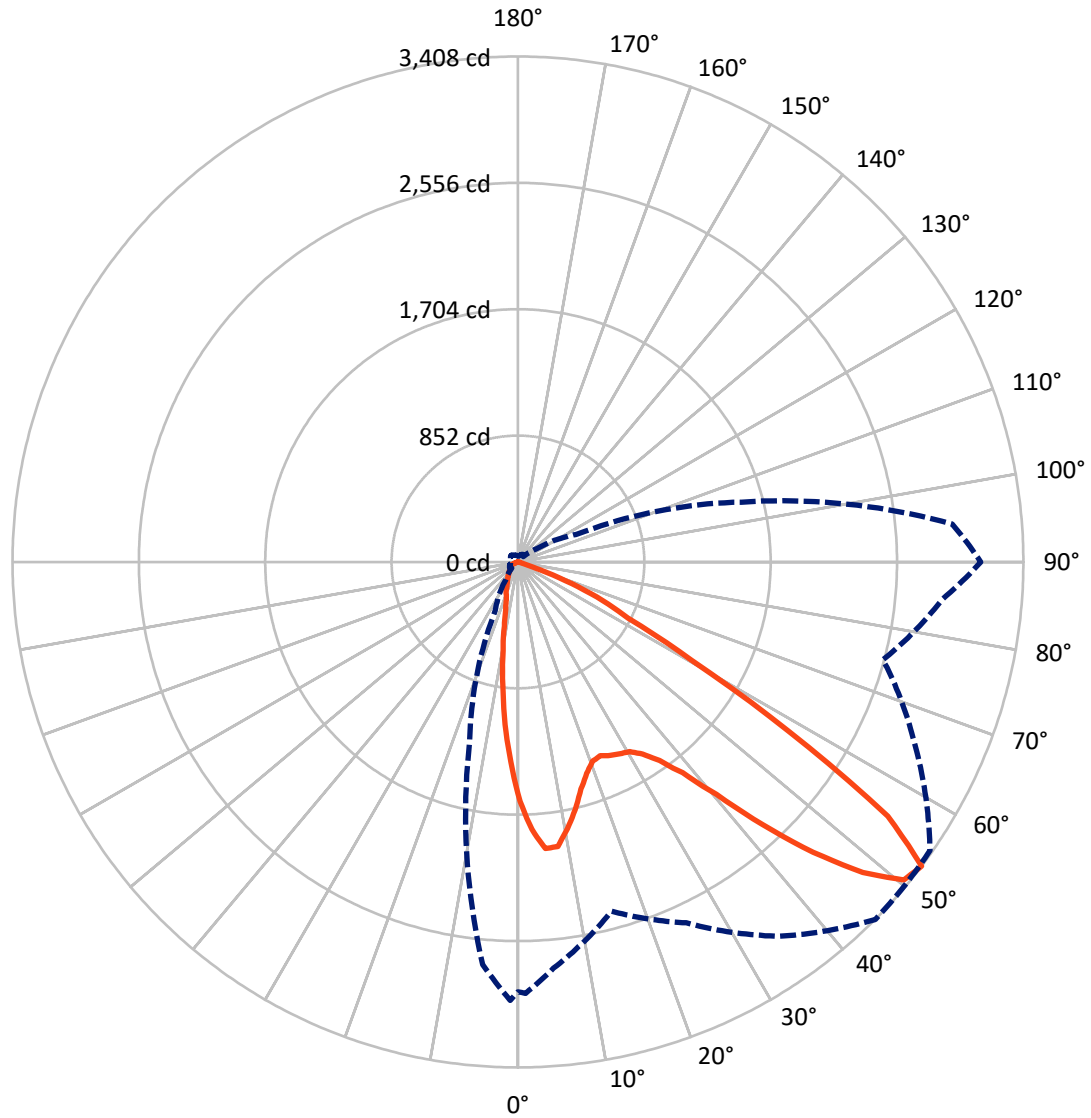
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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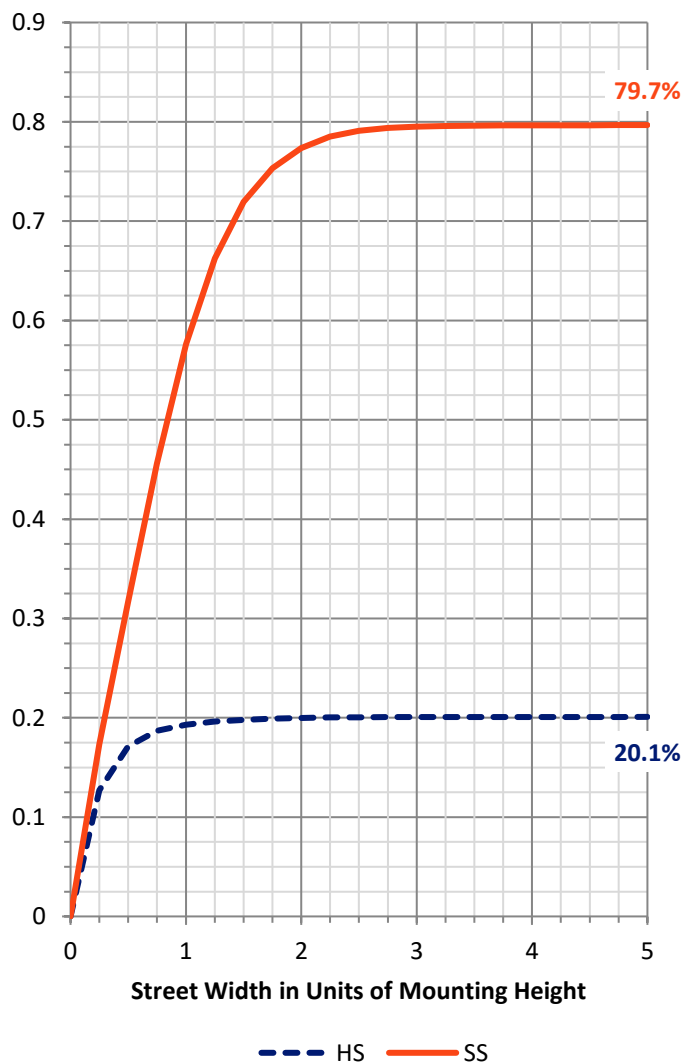
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	646.0	0.0	646.0
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	2537.0	0.0	2537.0
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	3183.0	0.0	3183.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.7	3.7
10°-20°	232.2	7.3
20°-30°	353.4	11.1
30°-40°	528.2	16.6
40°-50°	752.2	23.6
50°-60°	808.6	25.4
60°-70°	358.3	11.3
70°-80°	29.0	0.9
80°-90°	3.4	0.1
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°	3183.0	100.0
0°-180°	3183.0	100.0

**Coefficient of Utilization**

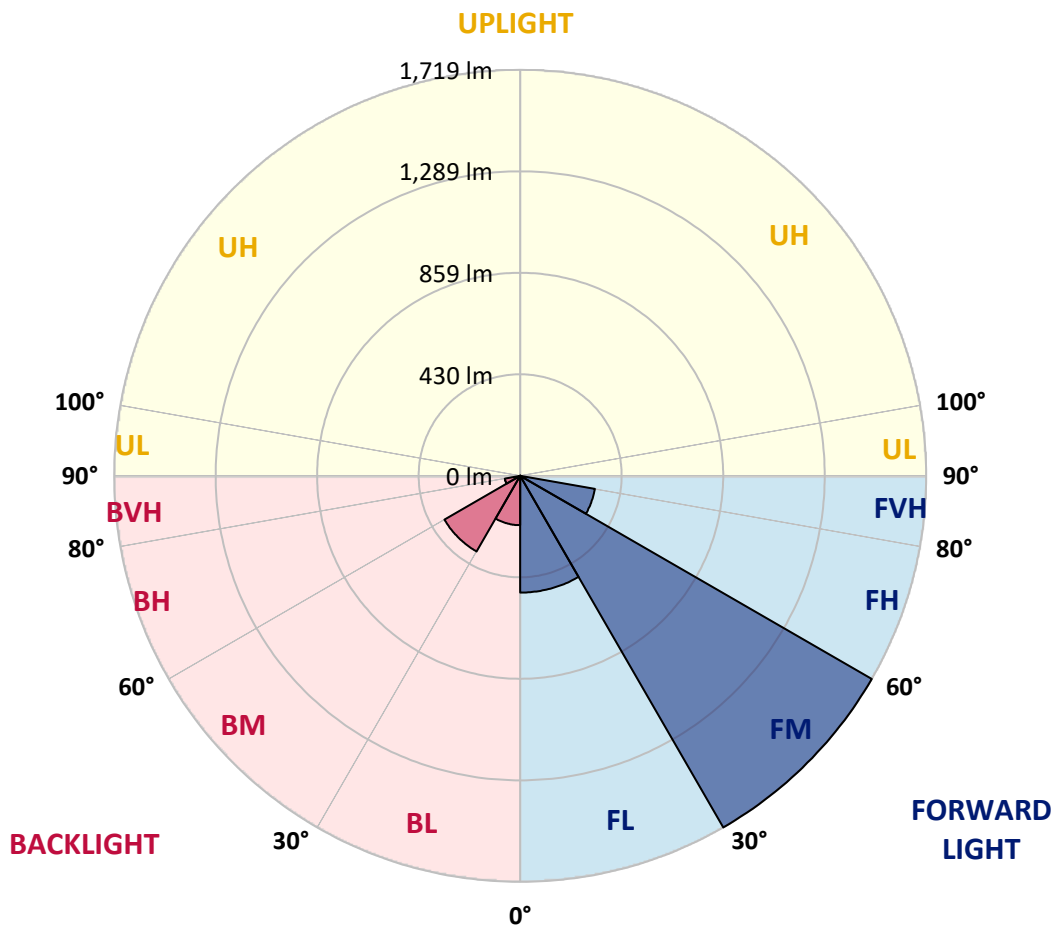


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	494.4	15.5			
FM (30°-60°)	1718.9	54.0			
FH (60°-80°)	321.2	10.1			G0/660
FVH (80°-90°)	2.5	0.1			G0/10
BL (0°-30°)	208.9	6.6	B1/500		
BM (30°-60°)	370.1	11.6	B1/1000		
BH (60°-80°)	66.1	2.1	B0/110		G0/110
BVH (80°-90°)	0.9	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°	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9
2.5°	1707.8	1712.8	1740.4	1774.8	1793.0	1834.3	1805.5	1813.0	1797.4	1742.3	1699.1
5°	1655.9	1655.2	1690.3	1775.4	1856.2	1938.2	1940.7	1896.9	1819.9	1735.4	1614.6
7.5°	1499.4	1523.8	1560.1	1695.9	1845.6	1906.9	1936.3	1885.0	1766.7	1645.9	1515.0
10°	1381.0	1393.6	1454.9	1618.9	1728.5	1810.5	1828.7	1799.2	1708.5	1557.6	1411.1
12.5°	1312.8	1319.1	1391.1	1528.8	1644.6	1705.3	1714.1	1727.9	1662.8	1521.3	1345.4
15°	1313.4	1318.4	1415.5	1530.7	1576.4	1560.1	1588.9	1588.3	1616.4	1514.4	1400.4
17.5°	1408.0	1413.6	1501.2	1558.2	1538.2	1500.0	1498.1	1526.9	1586.4	1600.2	1483.7
20°	1570.7	1583.9	1648.4	1645.2	1532.5	1455.5	1434.3	1456.2	1594.5	1672.8	1651.5
22.5°	1789.8	1808.0	1853.1	1766.7	1558.2	1425.5	1418.6	1461.2	1648.4	1834.9	1841.8
25°	2044.0	2074.7	2096.6	1985.8	1649.6	1477.5	1444.9	1518.1	1721.0	2010.8	2084.1
27.5°	2212.4	2244.4	2239.3	2081.0	1711.0	1491.2	1463.7	1531.9	1784.2	2052.8	2210.5
30°	2343.9	2363.3	2398.4	2132.3	1772.3	1530.0	1483.1	1590.1	1804.9	2125.4	2363.3
32.5°	2497.3	2510.4	2512.9	2223.1	1866.8	1578.9	1543.2	1662.8	1896.3	2194.9	2498.5
35°	2651.9	2671.3	2630.6	2335.1	1925.1	1669.6	1643.4	1788.6	1969.5	2266.9	2647.5
37.5°	2819.7	2829.7	2735.8	2381.5	2008.3	1817.4	1803.0	1924.4	2096.6	2397.1	2812.8
40°	2960.5	2969.9	2847.9	2438.4	2096.0	2024.0	2060.9	2183.6	2269.4	2481.6	2895.4
42.5°	3038.8	3060.7	2885.4	2407.1	2271.9	2258.1	2422.1	2465.3	2469.7	2505.4	2969.3
45°	3060.1	3050.1	2823.4	2432.8	2425.9	2643.1	2792.1	2849.1	2668.8	2549.2	2988.1
47.5°	2961.8	2974.9	2732.0	2410.3	2628.1	2934.9	3127.7	3233.5	2817.2	2511.0	2941.8
50°	2882.3	2865.4	2702.6	2394.0	2682.6	3072.6	3370.0	3393.8	2953.7	2558.0	2891.0
52.5°	2897.9	2908.6	2749.6	2437.2	2683.8	3080.7	3407.5	3391.3	2958.0	2547.4	2872.9
55°	2931.1	2884.2	2729.5	2342.0	2504.2	2853.5	3024.4	2999.4	2730.2	2434.0	2828.4
57.5°	2529.2	2601.8	2509.8	2091.0	2055.3	2149.8	2146.7	2223.7	2036.5	2094.7	2574.9
60°	2052.8	2065.3	2099.7	1788.6	1422.4	1389.8	1344.7	1295.9	1370.4	1791.1	2342.0
62.5°	1805.5	1790.5	1913.2	1627.1	1004.2	840.8	833.3	863.3	1057.4	1708.5	2196.8
65°	1312.2	1331.0	1419.9	1262.7	753.8	641.7	630.4	719.3	855.8	1369.1	1676.5
67.5°	801.3	837.6	845.8	778.8	511.5	406.3	390.0	470.8	617.9	885.8	982.9
70°	370.0	413.8	455.1	425.1	296.1	167.2	157.8	197.8	311.8	509.6	521.5
72.5°	112.1	112.7	157.8	164.6	95.8	37.6	33.2	43.8	105.8	168.4	177.2
75°	8.1	8.8	21.3	24.4	18.2	9.4	10.0	11.9	22.5	37.6	28.2
77.5°	0.6	0.6	0.6	3.1	5.6	6.3	8.1	9.4	11.9	13.8	12.5
80°	0.6	0.0	0.6	2.5	4.4	6.3	7.5	8.8	9.4	10.6	9.4
82.5°	0.0	0.0	0.0	1.9	4.4	6.3	6.9	9.4	10.6	12.5	10.6
85°	0.0	0.0	0.0	1.9	4.4	6.9	6.3	3.1	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°	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9
2.5°	1706.6	1682.2	1626.4	1598.3	1531.9	1522.5	1457.4	1446.8	1424.9	1413.0	1384.2
5°	1561.3	1531.9	1441.1	1364.8	1275.9	1213.9	1166.3	1123.1	1098.1	1074.9	1085.6
7.5°	1443.0	1357.3	1256.5	1128.7	1026.1	959.7	887.1	827.6	792.6	768.8	774.4
10°	1319.1	1263.3	1123.1	979.8	855.8	808.8	751.9	706.2	656.7	614.1	594.1
12.5°	1280.3	1197.6	1021.7	875.8	781.9	736.2	671.1	618.5	555.3	503.3	485.2
15°	1287.1	1207.6	994.2	838.3	727.5	648.6	570.9	505.8	436.3	400.0	381.3
17.5°	1399.2	1261.5	1012.3	798.8	651.7	542.1	446.4	363.7	311.8	274.2	266.1
20°	1536.9	1377.9	1051.1	770.0	589.7	431.3	326.2	254.8	211.6	205.3	203.5
22.5°	1738.5	1568.2	1134.4	750.6	514.0	336.2	223.5	185.3	173.4	172.2	172.8
25°	2020.2	1806.7	1225.2	734.3	457.0	259.2	182.8	157.1	153.4	151.5	154.6
27.5°	2142.3	1950.7	1273.4	699.3	405.0	233.5	180.3	155.9	145.2	142.1	144.0
30°	2293.2	2046.5	1349.1	639.2	328.7	192.2	168.4	169.7	164.6	149.0	144.0
32.5°	2493.5	2166.1	1387.3	596.6	293.6	159.0	123.3	113.3	126.5	129.0	133.3
35°	2621.9	2287.5	1406.7	571.6	275.5	135.9	104.5	95.2	92.0	92.7	95.2
37.5°	2860.4	2451.6	1431.1	545.3	261.7	118.3	94.5	85.8	81.4	81.4	83.9
40°	3003.1	2581.8	1464.3	530.9	247.9	107.7	85.8	78.3	74.5	74.5	75.8
42.5°	3038.8	2646.3	1453.0	525.9	232.3	105.2	78.3	72.6	68.2	67.6	67.0
45°	3102.7	2744.6	1454.9	520.2	216.0	95.8	73.9	67.6	61.4	60.7	60.1
47.5°	3172.8	2815.3	1458.7	498.3	200.3	80.1	77.0	62.6	55.1	53.8	53.8
50°	3112.7	2871.6	1491.2	476.4	180.3	65.1	75.8	58.8	48.8	47.0	47.6
52.5°	3120.2	2938.0	1560.1	445.7	155.3	52.0	61.4	55.7	44.4	41.3	41.9
55°	3000.0	2867.9	1569.5	413.2	121.5	40.1	47.0	48.8	37.6	36.3	36.3
57.5°	2582.4	2428.4	1384.8	334.9	80.1	33.2	33.8	42.6	32.6	31.3	31.9
60°	2209.9	1949.5	1114.3	221.0	50.1	26.3	24.4	43.2	28.8	28.2	30.0
62.5°	2014.6	1602.0	845.2	137.1	34.4	20.0	16.9	35.1	25.0	25.0	27.5
65°	1455.5	1076.2	491.4	72.0	24.4	15.7	12.5	20.0	20.7	21.3	22.5
67.5°	901.5	543.4	207.2	35.1	16.3	10.6	8.1	12.5	13.8	13.8	15.0
70°	445.1	216.6	68.9	20.0	12.5	8.8	5.6	6.9	6.9	6.3	6.9
72.5°	137.7	65.1	17.5	12.5	8.8	5.6	3.1	2.5	1.3	0.0	0.6
75°	15.7	12.5	11.3	8.8	5.6	2.5	0.6	0.0	0.0	0.0	0.0
77.5°	9.4	10.6	10.6	8.8	5.6	1.9	0.0	0.0	0.0	0.0	0.0
80°	7.5	8.1	8.8	8.1	5.0	2.5	0.0	0.0	0.0	0.0	0.0
82.5°	9.4	10.6	11.9	10.6	6.9	3.1	1.3	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	1.9	0.6	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°	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9
2.5°	1372.3	1358.5	1377.9	1349.1	1348.5	1349.1	1341.0	1333.5	1345.4	1377.3	1380.4
5°	1047.4	1076.8	1086.2	1116.9	1100.0	1074.9	1079.9	1063.0	1104.3	1122.5	1108.1
7.5°	762.5	760.6	823.9	827.6	835.8	836.4	835.1	802.0	768.2	775.7	798.2
10°	591.6	559.7	590.4	587.2	607.3	601.6	609.8	574.1	586.0	586.0	600.4
12.5°	482.1	448.2	442.6	434.5	442.6	445.7	448.9	442.0	462.0	471.4	481.4
15°	368.1	349.3	344.3	328.7	331.2	339.9	347.5	350.6	344.3	358.7	360.0
17.5°	267.3	266.7	269.8	269.2	266.7	264.8	264.2	256.1	253.5	254.8	259.8
20°	202.8	207.8	218.5	229.1	234.8	227.9	218.5	204.7	199.1	200.3	201.0
22.5°	173.4	180.9	195.3	207.2	212.9	200.3	183.4	171.5	169.0	168.4	167.8
25°	157.1	165.9	176.5	180.3	179.7	172.2	159.6	154.6	153.4	152.1	146.5
27.5°	148.4	151.5	153.4	157.8	159.6	154.6	151.5	144.0	142.7	142.7	139.0
30°	143.4	141.5	144.0	140.9	143.4	139.6	140.2	140.2	137.1	138.4	138.4
32.5°	133.3	134.0	134.0	127.7	129.6	125.2	129.6	133.3	134.0	134.6	139.6
35°	97.7	108.9	114.6	114.6	116.4	113.3	112.7	108.3	102.7	97.0	94.5
37.5°	85.8	90.1	97.7	102.0	105.2	102.7	97.0	90.1	87.0	84.5	82.0
40°	76.4	80.1	85.1	90.1	96.4	93.3	84.5	81.4	77.6	77.6	75.1
42.5°	68.9	70.7	73.9	81.4	88.3	82.0	75.8	73.2	71.4	70.7	70.1
45°	62.0	62.6	65.7	72.0	80.1	73.9	67.6	64.5	65.1	65.7	65.1
47.5°	55.7	57.0	58.8	66.4	71.4	68.2	61.4	59.5	59.5	59.5	60.1
50°	48.2	51.3	55.1	61.4	65.1	63.2	57.6	55.1	53.8	53.8	54.5
52.5°	43.2	45.7	50.7	58.2	63.2	60.1	54.5	50.7	48.2	47.6	48.8
55°	37.6	41.9	50.1	55.7	62.6	59.5	53.2	48.8	44.4	43.8	43.8
57.5°	33.8	40.7	48.2	55.1	60.7	58.2	53.2	47.6	41.9	41.3	41.3
60°	31.9	39.4	47.0	53.2	60.7	57.0	52.6	46.3	40.1	40.1	39.4
62.5°	30.0	36.9	44.4	50.7	58.2	55.1	50.7	44.4	38.2	38.2	36.9
65°	25.0	31.9	36.9	42.6	50.7	47.6	43.2	38.8	33.8	32.6	33.2
67.5°	17.5	21.9	26.9	32.6	37.6	36.3	34.4	31.3	26.9	26.3	25.7
70°	8.8	11.9	16.3	21.9	26.3	25.0	23.8	21.3	18.8	18.2	18.2
72.5°	1.3	3.8	6.9	10.0	13.8	14.4	13.8	13.1	12.5	11.9	12.5
75°	0.0	0.0	0.0	2.5	5.6	6.9	8.1	9.4	9.4	8.1	10.0
77.5°	0.0	0.0	0.0	0.0	0.6	3.1	6.3	8.1	10.0	8.8	11.9
80°	0.0	0.0	0.0	0.0	0.6	3.8	6.3	8.8	10.0	8.8	12.5
82.5°	0.0	0.0	0.0	0.0	0.6	4.4	6.3	8.1	9.4	8.8	11.3
85°	0.0	0.0	0.0	0.0	1.9	3.8	2.5	1.3	0.6	0.6	1.9
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°	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9	1613.9
2.5°	1397.9	1442.4	1490.0	1508.1	1564.5	1607.0	1635.8	1697.8	1707.2	1707.8
5°	1123.1	1145.7	1227.0	1265.2	1349.1	1414.2	1483.7	1583.9	1650.9	1655.9
7.5°	798.2	860.8	895.2	994.8	1098.1	1200.1	1303.4	1419.9	1497.5	1499.4
10°	642.3	683.0	744.4	818.9	905.9	1009.8	1147.5	1282.8	1361.6	1381.0
12.5°	517.1	588.5	658.6	735.6	802.0	880.2	1028.6	1208.9	1274.0	1312.8
15°	398.2	463.3	545.9	636.1	711.2	815.7	984.8	1190.7	1300.3	1313.4
17.5°	293.6	351.8	428.2	513.4	626.0	774.4	992.3	1282.8	1386.1	1408.0
20°	211.0	244.8	304.9	403.8	547.2	726.2	999.8	1376.0	1533.2	1570.7
22.5°	167.2	180.9	220.4	308.0	458.9	675.5	1053.0	1554.5	1735.4	1789.8
25°	145.2	152.8	171.5	242.9	403.2	670.5	1138.1	1768.6	2004.6	2044.0
27.5°	140.2	141.5	157.8	222.9	373.1	637.3	1170.7	1920.7	2172.4	2212.4
30°	147.7	167.8	169.0	188.4	317.4	571.6	1187.6	2067.8	2314.5	2343.9
32.5°	127.7	121.5	125.8	145.9	279.2	533.4	1219.5	2196.1	2476.6	2497.3
35°	88.9	93.3	103.3	126.5	244.2	493.3	1227.7	2337.6	2630.6	2651.9
37.5°	82.0	84.5	92.7	107.7	214.7	470.8	1216.4	2440.9	2790.3	2819.7
40°	76.4	79.5	83.9	97.7	192.8	445.7	1200.7	2534.2	2887.9	2960.5
42.5°	72.0	74.5	78.3	93.3	174.0	420.7	1178.8	2665.7	2975.6	3038.8
45°	67.0	70.7	75.1	90.8	163.4	403.8	1162.6	2657.5	3026.3	3060.1
47.5°	62.0	68.2	73.2	84.5	160.3	395.7	1169.4	2626.9	2985.0	2961.8
50°	57.0	65.1	73.9	70.1	152.8	379.4	1177.6	2668.8	2886.7	2882.3
52.5°	52.6	62.0	68.9	57.6	135.9	363.7	1256.5	2723.9	2956.2	2897.9
55°	46.3	55.7	55.1	46.3	110.2	351.8	1318.4	2725.1	2909.2	2931.1
57.5°	41.9	49.5	43.2	38.8	81.4	294.2	1217.6	2285.0	2490.4	2529.2
60°	38.8	48.2	32.6	30.7	53.2	212.2	1063.0	1769.8	1979.5	2052.8
62.5°	35.7	45.7	25.7	25.0	36.9	150.9	874.0	1481.2	1706.0	1805.5
65°	31.3	32.6	20.7	19.4	26.3	81.4	532.1	1019.8	1275.2	1312.2
67.5°	25.7	25.0	16.9	15.7	17.5	39.4	234.8	510.8	739.4	801.3
70°	20.7	20.7	14.4	12.5	12.5	18.2	61.4	203.5	334.3	370.0
72.5°	15.0	15.7	11.3	10.0	9.4	8.8	10.0	40.7	87.6	112.1
75°	13.1	13.8	11.3	8.8	6.9	5.6	4.4	3.8	5.0	8.1
77.5°	14.4	14.4	11.9	8.1	6.3	4.4	2.5	1.3	1.3	0.6
80°	18.2	18.8	15.7	10.6	7.5	5.0	3.1	1.3	0.6	0.6
82.5°	19.4	21.3	17.5	13.1	9.4	5.6	3.1	0.6	0.0	0.0
85°	5.0	8.1	13.8	11.9	9.4	5.6	3.1	0.6	0.0	0.0
87.5°	0.0	0.6	1.9	1.9	2.5	2.5	1.9	0.6	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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