

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: P526285

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526285  
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-727-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 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: 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

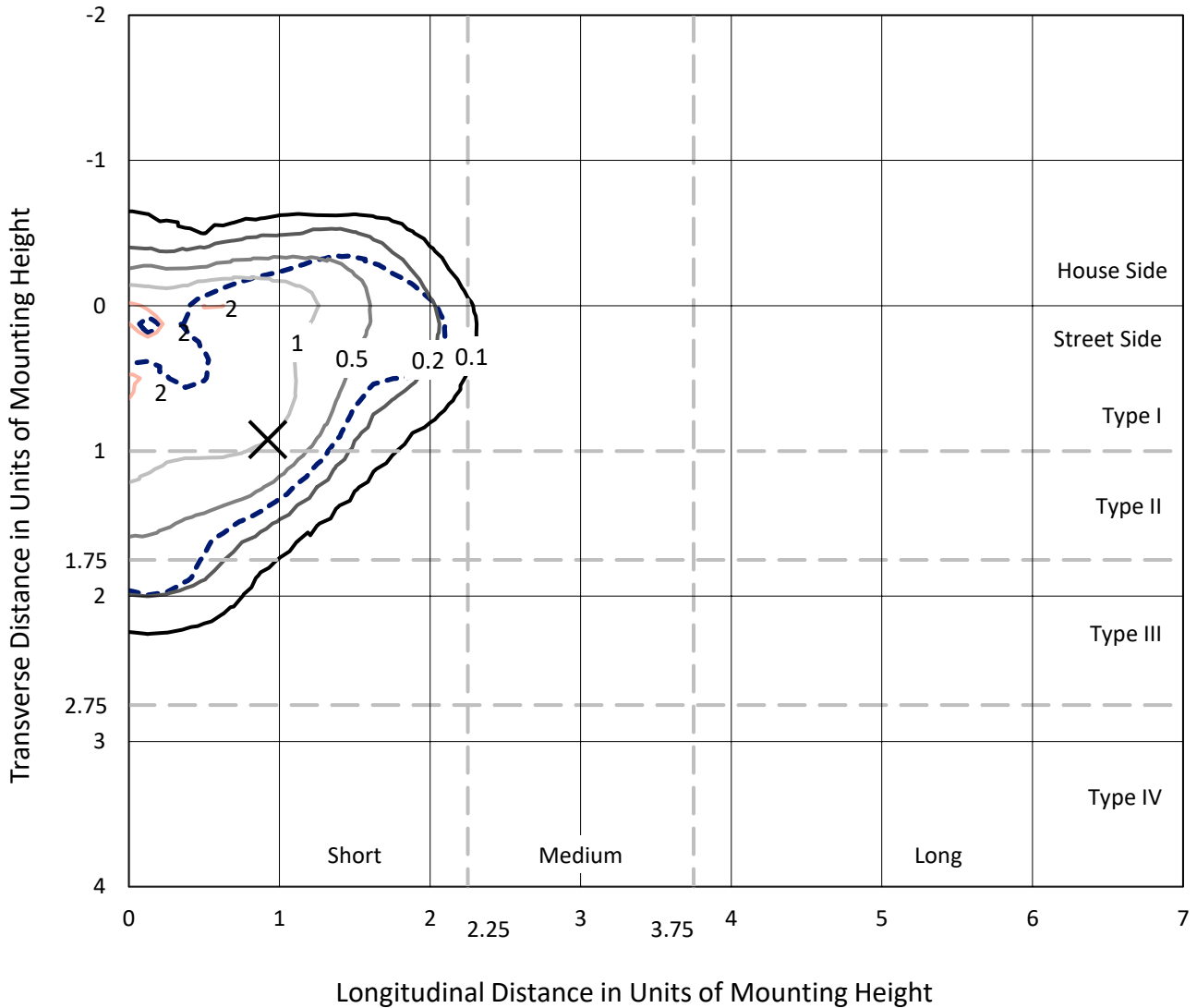
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

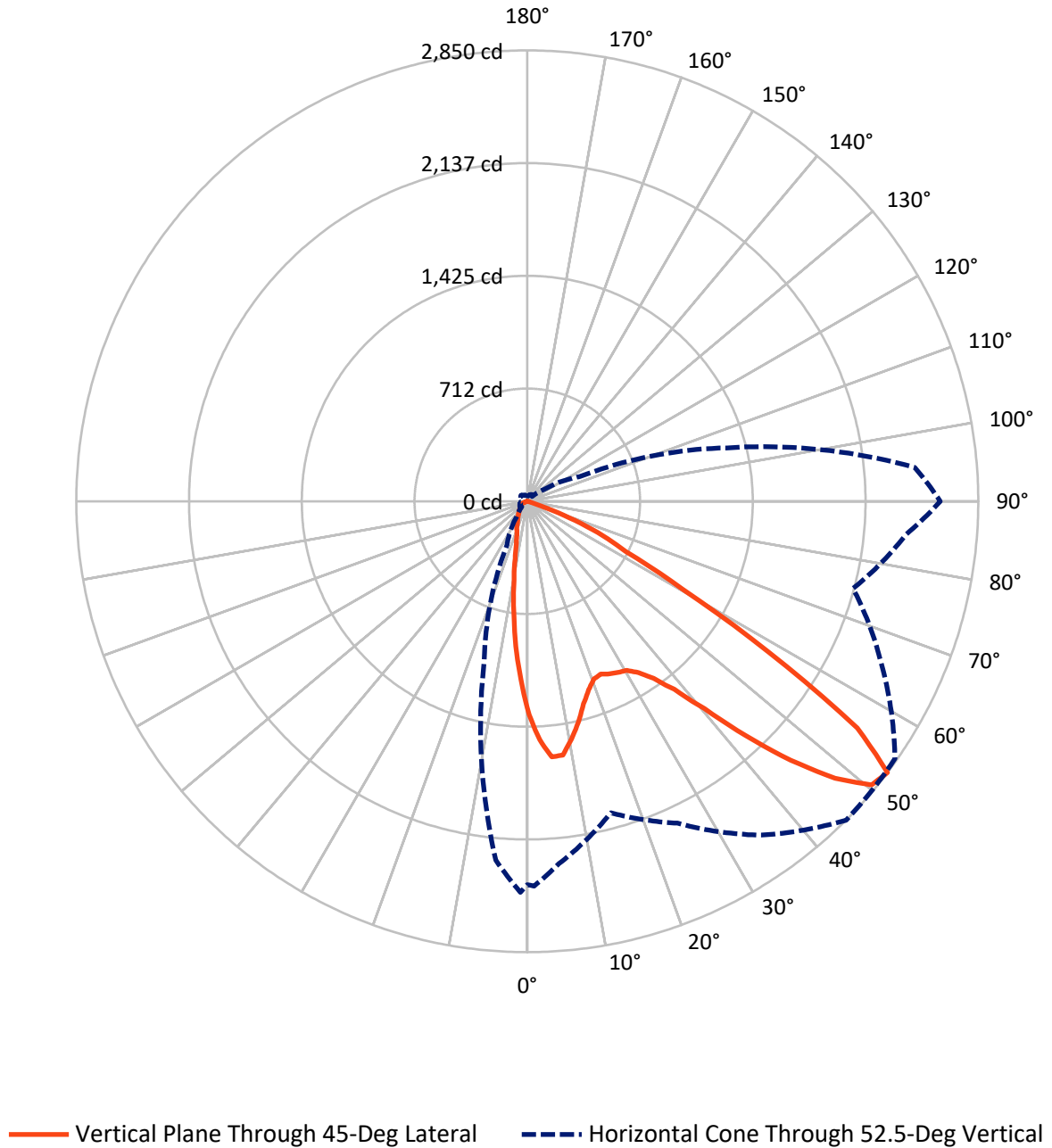
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	540.3	0.0	540.3
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	2121.7	0.0	2121.7
	% Fixture	79.7	0.0	79.7
<b>Total</b>	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°	194.2	7.3
20°-30°	295.6	11.1
30°-40°	441.7	16.6
40°-50°	629.1	23.6
50°-60°	676.2	25.4
60°-70°	299.7	11.3
70°-80°	24.2	0.9
80°-90°	2.8	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°	2662.0	100.0
0°-180°	2662.0	100.0

**Coefficient of Utilization**



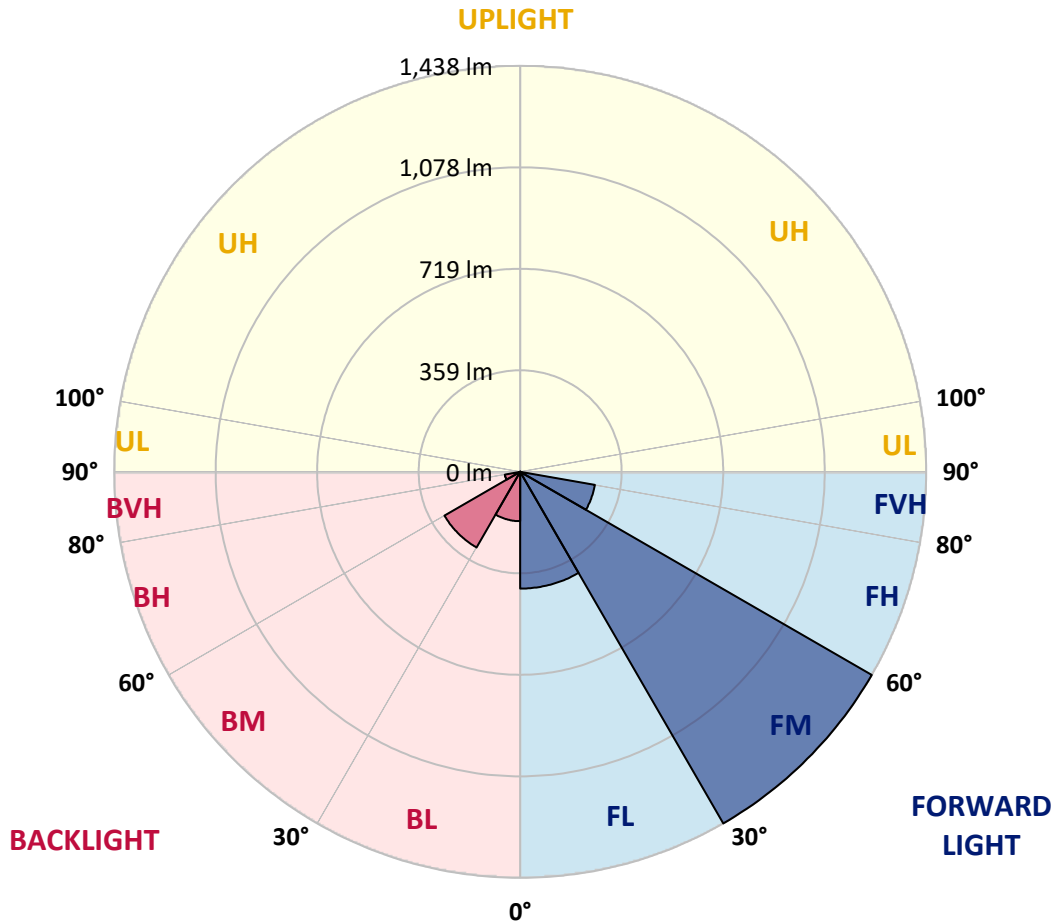
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	413.5	15.5			
FM (30°-60°)	1437.6	54.0			
FH (60°-80°)	268.6	10.1			G0/660
FVH (80°-90°)	2.1	0.1			G0/10
BL (0°-30°)	174.7	6.6	B1/500		
BM (30°-60°)	309.5	11.6	B1/1000		
BH (60°-80°)	55.3	2.1	B0/110		G0/110
BVH (80°-90°)	0.7	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°	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8
2.5°	1428.3	1432.5	1455.5	1484.3	1499.5	1534.1	1510.0	1516.3	1503.2	1457.1	1421.0
5°	1384.8	1384.3	1413.6	1484.8	1552.4	1621.0	1623.1	1586.4	1522.0	1451.3	1350.3
7.5°	1253.9	1274.4	1304.7	1418.3	1543.5	1594.8	1619.4	1576.5	1477.5	1376.5	1267.0
10°	1155.0	1165.5	1216.8	1353.9	1445.6	1514.2	1529.3	1504.7	1428.8	1302.6	1180.1
12.5°	1097.9	1103.2	1163.4	1278.6	1375.4	1426.2	1433.5	1445.0	1390.6	1272.3	1125.1
15°	1098.4	1102.6	1183.8	1280.1	1318.3	1304.7	1328.8	1328.3	1351.9	1266.5	1171.2
17.5°	1177.5	1182.2	1255.5	1303.2	1286.4	1254.5	1252.9	1277.0	1326.7	1338.2	1240.9
20°	1313.6	1324.6	1378.6	1375.9	1281.7	1217.3	1199.5	1217.8	1333.5	1399.0	1381.2
22.5°	1496.9	1512.1	1549.8	1477.5	1303.2	1192.2	1186.4	1222.0	1378.6	1534.6	1540.3
25°	1709.4	1735.1	1753.4	1660.8	1379.6	1235.6	1208.4	1269.7	1439.3	1681.7	1743.0
27.5°	1850.3	1877.0	1872.8	1740.3	1430.9	1247.1	1224.1	1281.2	1492.2	1716.8	1848.7
30°	1960.2	1976.5	2005.8	1783.3	1482.2	1279.6	1240.3	1329.9	1509.4	1777.5	1976.5
32.5°	2088.5	2099.5	2101.6	1859.2	1561.3	1320.4	1290.6	1390.6	1585.9	1835.6	2089.6
35°	2217.8	2234.1	2200.0	1952.9	1610.0	1396.4	1374.4	1495.8	1647.1	1895.8	2214.2
37.5°	2358.1	2366.5	2288.0	1991.7	1679.6	1519.9	1507.9	1609.4	1753.4	2004.7	2352.4
40°	2476.0	2483.8	2381.7	2039.3	1752.9	1692.7	1723.6	1826.2	1897.9	2075.4	2421.5
42.5°	2541.4	2559.7	2413.1	2013.1	1900.0	1888.5	2025.7	2061.8	2065.5	2095.3	2483.3
45°	2559.2	2550.8	2361.3	2034.6	2028.8	2210.5	2335.1	2382.8	2232.0	2132.0	2499.0
47.5°	2477.0	2488.0	2284.8	2015.7	2197.9	2454.5	2615.7	2704.2	2356.1	2100.0	2460.2
50°	2410.5	2396.4	2260.2	2002.1	2243.5	2569.7	2818.4	2838.3	2470.2	2139.3	2417.8
52.5°	2423.6	2432.5	2299.5	2038.2	2244.5	2576.5	2849.8	2836.2	2473.9	2130.4	2402.7
55°	2451.3	2412.1	2282.8	1958.7	2094.3	2386.4	2529.4	2508.4	2283.3	2035.6	2365.5
57.5°	2115.2	2175.9	2099.0	1748.7	1718.9	1797.9	1795.3	1859.7	1703.2	1751.9	2153.4
60°	1716.8	1727.3	1756.0	1495.8	1189.5	1162.3	1124.6	1083.8	1146.1	1497.9	1958.7
62.5°	1510.0	1497.4	1600.0	1360.8	839.8	703.2	696.9	722.0	884.3	1428.8	1837.2
65°	1097.4	1113.1	1187.5	1056.0	630.4	536.7	527.2	601.6	715.7	1145.0	1402.1
67.5°	670.2	700.5	707.3	651.3	427.8	339.8	326.2	393.7	516.8	740.8	822.0
70°	309.4	346.1	380.6	355.5	247.6	139.8	131.9	165.4	260.7	426.2	436.1
72.5°	93.7	94.2	131.9	137.7	80.1	31.4	27.7	36.6	88.5	140.8	148.2
75°	6.8	7.3	17.8	20.4	15.2	7.9	8.4	9.9	18.8	31.4	23.6
77.5°	0.5	0.5	0.5	2.6	4.7	5.2	6.8	7.9	9.9	11.5	10.5
80°	0.5	0.0	0.5	2.1	3.7	5.2	6.3	7.3	7.9	8.9	7.9
82.5°	0.0	0.0	0.0	1.6	3.7	5.2	5.8	7.9	8.9	10.5	8.9
85°	0.0	0.0	0.0	1.6	3.7	5.8	5.2	2.6	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°	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8
2.5°	1427.2	1406.8	1360.2	1336.7	1281.2	1273.3	1218.9	1210.0	1191.6	1181.7	1157.6
5°	1305.8	1281.2	1205.3	1141.4	1067.0	1015.2	975.4	939.3	918.3	899.0	907.9
7.5°	1206.8	1135.1	1050.8	944.0	858.1	802.6	741.9	692.2	662.8	642.9	647.7
10°	1103.2	1056.6	939.3	819.4	715.7	676.4	628.8	590.6	549.2	513.6	496.9
12.5°	1070.7	1001.6	854.5	732.5	653.9	615.7	561.3	517.3	464.4	420.9	405.8
15°	1076.5	1010.0	831.4	701.1	608.4	542.4	477.5	423.0	364.9	334.6	318.9
17.5°	1170.2	1055.0	846.6	668.1	545.0	453.4	373.3	304.2	260.7	229.3	222.5
20°	1285.4	1152.4	879.1	644.0	493.2	360.7	272.8	213.1	177.0	171.7	170.2
22.5°	1453.9	1311.5	948.7	627.8	429.8	281.2	186.9	155.0	145.0	144.0	144.5
25°	1689.6	1511.0	1024.6	614.1	382.2	216.8	152.9	131.4	128.3	126.7	129.3
27.5°	1791.6	1631.4	1064.9	584.8	338.7	195.3	150.8	130.4	121.5	118.8	120.4
30°	1917.8	1711.5	1128.3	534.6	274.9	160.7	140.8	141.9	137.7	124.6	120.4
32.5°	2085.4	1811.5	1160.2	499.0	245.6	133.0	103.1	94.8	105.8	107.9	111.5
35°	2192.7	1913.1	1176.5	478.0	230.4	113.6	87.4	79.6	77.0	77.5	79.6
37.5°	2392.2	2050.3	1196.9	456.0	218.9	99.0	79.1	71.7	68.1	68.1	70.2
40°	2511.6	2159.2	1224.6	444.0	207.3	90.1	71.7	65.4	62.3	62.3	63.4
42.5°	2541.4	2213.1	1215.2	439.8	194.2	88.0	65.4	60.7	57.1	56.5	56.0
45°	2594.8	2295.3	1216.8	435.1	180.6	80.1	61.8	56.5	51.3	50.8	50.3
47.5°	2653.4	2354.5	1219.9	416.8	167.5	67.0	64.4	52.4	46.1	45.0	45.0
50°	2603.2	2401.6	1247.1	398.4	150.8	54.5	63.4	49.2	40.8	39.3	39.8
52.5°	2609.5	2457.1	1304.7	372.8	129.8	43.5	51.3	46.6	37.2	34.6	35.1
55°	2508.9	2398.5	1312.6	345.6	101.6	33.5	39.3	40.8	31.4	30.4	30.4
57.5°	2159.7	2030.9	1158.1	280.1	67.0	27.7	28.3	35.6	27.2	26.2	26.7
60°	1848.2	1630.4	932.0	184.8	41.9	22.0	20.4	36.1	24.1	23.6	25.1
62.5°	1684.8	1339.8	706.8	114.7	28.8	16.8	14.1	29.3	20.9	20.9	23.0
65°	1217.3	900.0	411.0	60.2	20.4	13.1	10.5	16.8	17.3	17.8	18.8
67.5°	753.9	454.5	173.3	29.3	13.6	8.9	6.8	10.5	11.5	11.5	12.6
70°	372.3	181.2	57.6	16.8	10.5	7.3	4.7	5.8	5.8	5.2	5.8
72.5°	115.2	54.5	14.7	10.5	7.3	4.7	2.6	2.1	1.0	0.0	0.5
75°	13.1	10.5	9.4	7.3	4.7	2.1	0.5	0.0	0.0	0.0	0.0
77.5°	7.9	8.9	8.9	7.3	4.7	1.6	0.0	0.0	0.0	0.0	0.0
80°	6.3	6.8	7.3	6.8	4.2	2.1	0.0	0.0	0.0	0.0	0.0
82.5°	7.9	8.9	9.9	8.9	5.8	2.6	1.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	1.6	0.5	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°	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8
2.5°	1147.7	1136.1	1152.4	1128.3	1127.8	1128.3	1121.5	1115.2	1125.1	1151.8	1154.5
5°	875.9	900.5	908.4	934.0	919.9	899.0	903.2	889.0	923.6	938.8	926.7
7.5°	637.7	636.1	689.0	692.2	699.0	699.5	698.4	670.7	642.4	648.7	667.5
10°	494.8	468.1	493.7	491.1	507.9	503.1	510.0	480.1	490.1	490.1	502.1
12.5°	403.1	374.9	370.2	363.4	370.2	372.8	375.4	369.6	386.4	394.2	402.6
15°	307.9	292.2	288.0	274.9	277.0	284.3	290.6	293.2	288.0	300.0	301.1
17.5°	223.6	223.0	225.7	225.1	223.0	221.5	220.9	214.1	212.0	213.1	217.3
20°	169.6	173.8	182.7	191.6	196.3	190.6	182.7	171.2	166.5	167.5	168.1
22.5°	145.0	151.3	163.4	173.3	178.0	167.5	153.4	143.5	141.4	140.8	140.3
25°	131.4	138.7	147.6	150.8	150.3	144.0	133.5	129.3	128.3	127.2	122.5
27.5°	124.1	126.7	128.3	131.9	133.5	129.3	126.7	120.4	119.4	119.4	116.2
30°	119.9	118.3	120.4	117.8	119.9	116.8	117.3	117.3	114.7	115.7	115.7
32.5°	111.5	112.0	112.0	106.8	108.4	104.7	108.4	111.5	112.0	112.6	116.8
35°	81.7	91.1	95.8	95.8	97.4	94.8	94.2	90.6	85.9	81.2	79.1
37.5°	71.7	75.4	81.7	85.3	88.0	85.9	81.2	75.4	72.8	70.7	68.6
40°	63.9	67.0	71.2	75.4	80.6	78.0	70.7	68.1	64.9	64.9	62.8
42.5°	57.6	59.2	61.8	68.1	73.8	68.6	63.4	61.3	59.7	59.2	58.6
45°	51.8	52.4	55.0	60.2	67.0	61.8	56.5	53.9	54.5	55.0	54.5
47.5°	46.6	47.6	49.2	55.5	59.7	57.1	51.3	49.7	49.7	49.7	50.3
50°	40.3	42.9	46.1	51.3	54.5	52.9	48.2	46.1	45.0	45.0	45.6
52.5°	36.1	38.2	42.4	48.7	52.9	50.3	45.6	42.4	40.3	39.8	40.8
55°	31.4	35.1	41.9	46.6	52.4	49.7	44.5	40.8	37.2	36.6	36.6
57.5°	28.3	34.0	40.3	46.1	50.8	48.7	44.5	39.8	35.1	34.6	34.6
60°	26.7	33.0	39.3	44.5	50.8	47.6	44.0	38.7	33.5	33.5	33.0
62.5°	25.1	30.9	37.2	42.4	48.7	46.1	42.4	37.2	31.9	31.9	30.9
65°	20.9	26.7	30.9	35.6	42.4	39.8	36.1	32.5	28.3	27.2	27.7
67.5°	14.7	18.3	22.5	27.2	31.4	30.4	28.8	26.2	22.5	22.0	21.5
70°	7.3	9.9	13.6	18.3	22.0	20.9	19.9	17.8	15.7	15.2	15.2
72.5°	1.0	3.1	5.8	8.4	11.5	12.0	11.5	11.0	10.5	9.9	10.5
75°	0.0	0.0	0.0	2.1	4.7	5.8	6.8	7.9	7.9	6.8	8.4
77.5°	0.0	0.0	0.0	0.0	0.5	2.6	5.2	6.8	8.4	7.3	9.9
80°	0.0	0.0	0.0	0.0	0.5	3.1	5.2	7.3	8.4	7.3	10.5
82.5°	0.0	0.0	0.0	0.0	0.5	3.7	5.2	6.8	7.9	7.3	9.4
85°	0.0	0.0	0.0	0.0	1.6	3.1	2.1	1.0	0.5	0.5	1.6
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°	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8	1349.8
2.5°	1169.1	1206.3	1246.1	1261.3	1308.4	1344.0	1368.1	1419.9	1427.8	1428.3
5°	939.3	958.1	1026.2	1058.1	1128.3	1182.7	1240.9	1324.6	1380.6	1384.8
7.5°	667.5	719.9	748.7	831.9	918.3	1003.7	1090.1	1187.5	1252.4	1253.9
10°	537.2	571.2	622.5	684.8	757.6	844.5	959.7	1072.8	1138.8	1155.0
12.5°	432.5	492.2	550.8	615.2	670.7	736.1	860.2	1011.0	1065.5	1097.9
15°	333.0	387.4	456.6	531.9	594.8	682.2	823.6	995.8	1087.5	1098.4
17.5°	245.6	294.2	358.1	429.3	523.6	647.7	829.9	1072.8	1159.2	1177.5
20°	176.4	204.7	255.0	337.7	457.6	607.3	836.1	1150.8	1282.2	1313.6
22.5°	139.8	151.3	184.3	257.6	383.8	564.9	880.6	1300.0	1451.3	1496.9
25°	121.5	127.8	143.5	203.1	337.2	560.7	951.8	1479.1	1676.5	1709.4
27.5°	117.3	118.3	131.9	186.4	312.0	533.0	979.1	1606.3	1816.8	1850.3
30°	123.6	140.3	141.4	157.6	265.4	478.0	993.2	1729.3	1935.6	1960.2
32.5°	106.8	101.6	105.2	122.0	233.5	446.1	1019.9	1836.7	2071.2	2088.5
35°	74.3	78.0	86.4	105.8	204.2	412.6	1026.7	1955.0	2200.0	2217.8
37.5°	68.6	70.7	77.5	90.1	179.6	393.7	1017.3	2041.4	2333.5	2358.1
40°	63.9	66.5	70.2	81.7	161.3	372.8	1004.2	2119.4	2415.2	2476.0
42.5°	60.2	62.3	65.4	78.0	145.6	351.8	985.9	2229.4	2488.5	2541.4
45°	56.0	59.2	62.8	75.9	136.7	337.7	972.3	2222.5	2530.9	2559.2
47.5°	51.8	57.1	61.3	70.7	134.0	330.9	978.0	2196.9	2496.4	2477.0
50°	47.6	54.5	61.8	58.6	127.8	317.3	984.8	2232.0	2414.2	2410.5
52.5°	44.0	51.8	57.6	48.2	113.6	304.2	1050.8	2278.0	2472.3	2423.6
55°	38.7	46.6	46.1	38.7	92.1	294.2	1102.6	2279.1	2433.0	2451.3
57.5°	35.1	41.4	36.1	32.5	68.1	246.1	1018.3	1911.0	2082.8	2115.2
60°	32.5	40.3	27.2	25.7	44.5	177.5	889.0	1480.1	1655.5	1716.8
62.5°	29.8	38.2	21.5	20.9	30.9	126.2	730.9	1238.8	1426.7	1510.0
65°	26.2	27.2	17.3	16.2	22.0	68.1	445.0	852.9	1066.5	1097.4
67.5°	21.5	20.9	14.1	13.1	14.7	33.0	196.3	427.2	618.3	670.2
70°	17.3	17.3	12.0	10.5	10.5	15.2	51.3	170.2	279.6	309.4
72.5°	12.6	13.1	9.4	8.4	7.9	7.3	8.4	34.0	73.3	93.7
75°	11.0	11.5	9.4	7.3	5.8	4.7	3.7	3.1	4.2	6.8
77.5°	12.0	12.0	9.9	6.8	5.2	3.7	2.1	1.0	1.0	0.5
80°	15.2	15.7	13.1	8.9	6.3	4.2	2.6	1.0	0.5	0.5
82.5°	16.2	17.8	14.7	11.0	7.9	4.7	2.6	0.5	0.0	0.0
85°	4.2	6.8	11.5	9.9	7.9	4.7	2.6	0.5	0.0	0.0
87.5°	0.0	0.5	1.6	1.6	2.1	2.1	1.6	0.5	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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