

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: P526675

Luminaire Tested: **GALN-SA1C-827-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526675  
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-SA1C-827-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K, 1050mA 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: 2891 lumens  
Efficiency: N/A  
Efficacy: 50.7 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

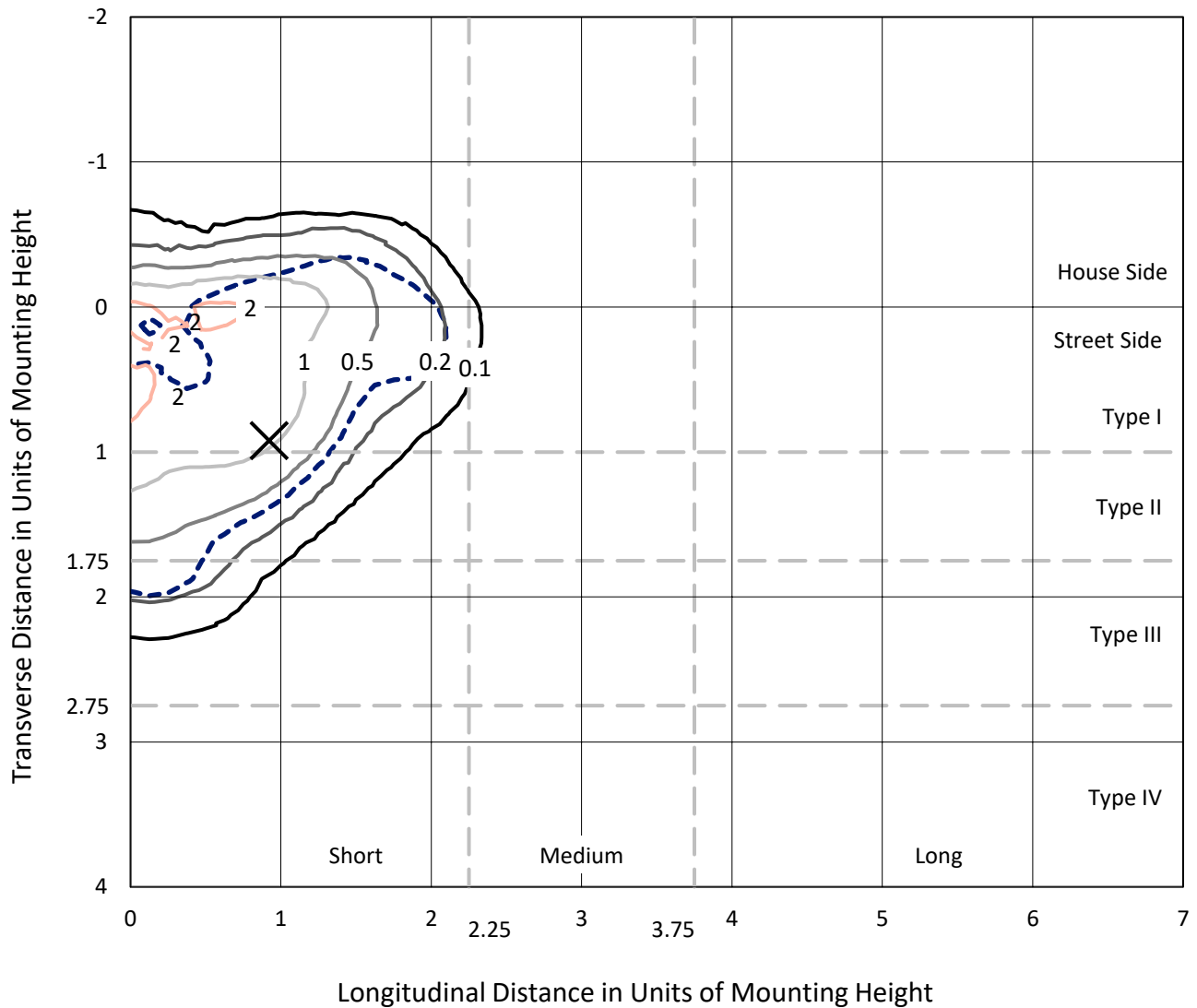
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

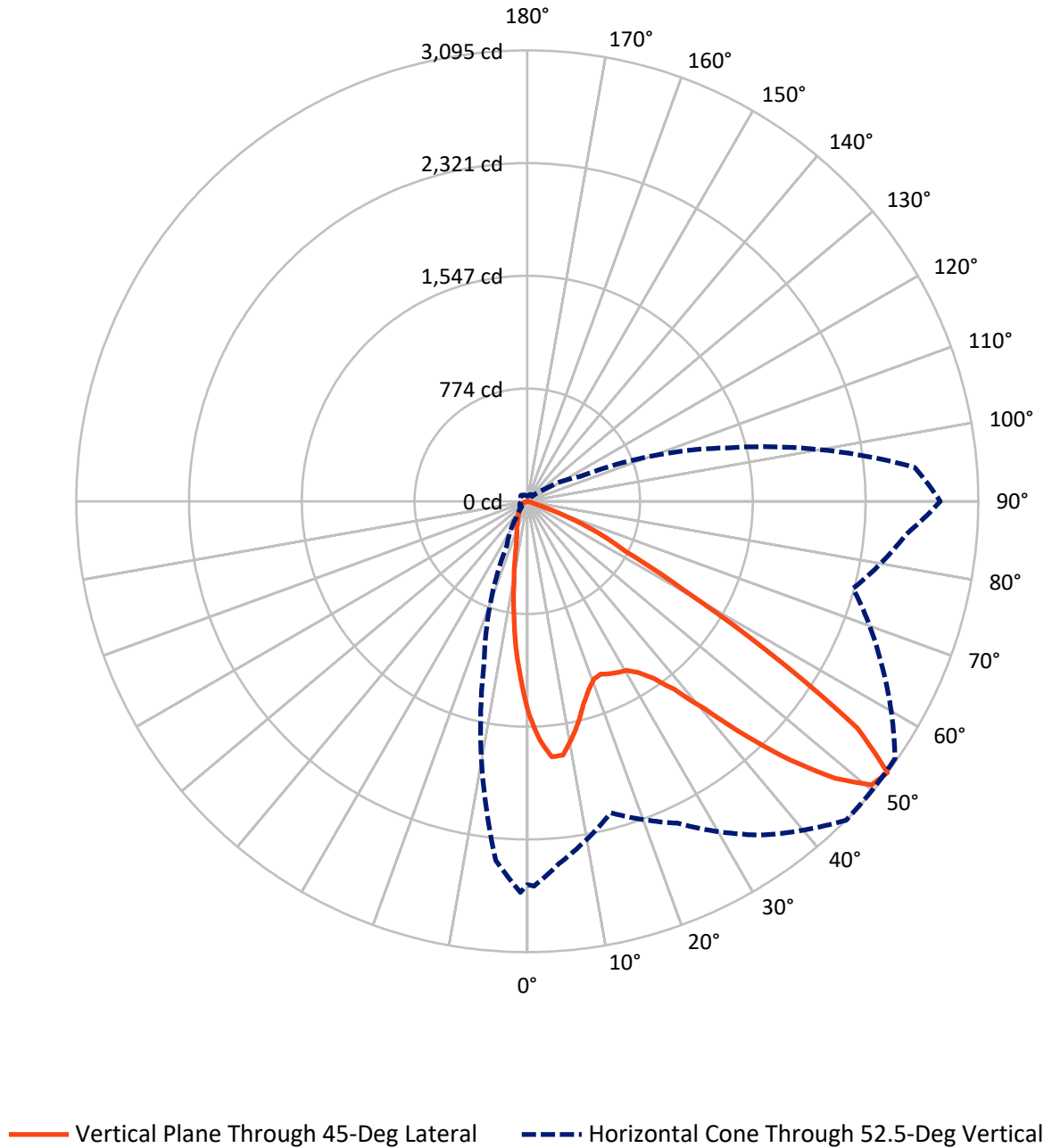
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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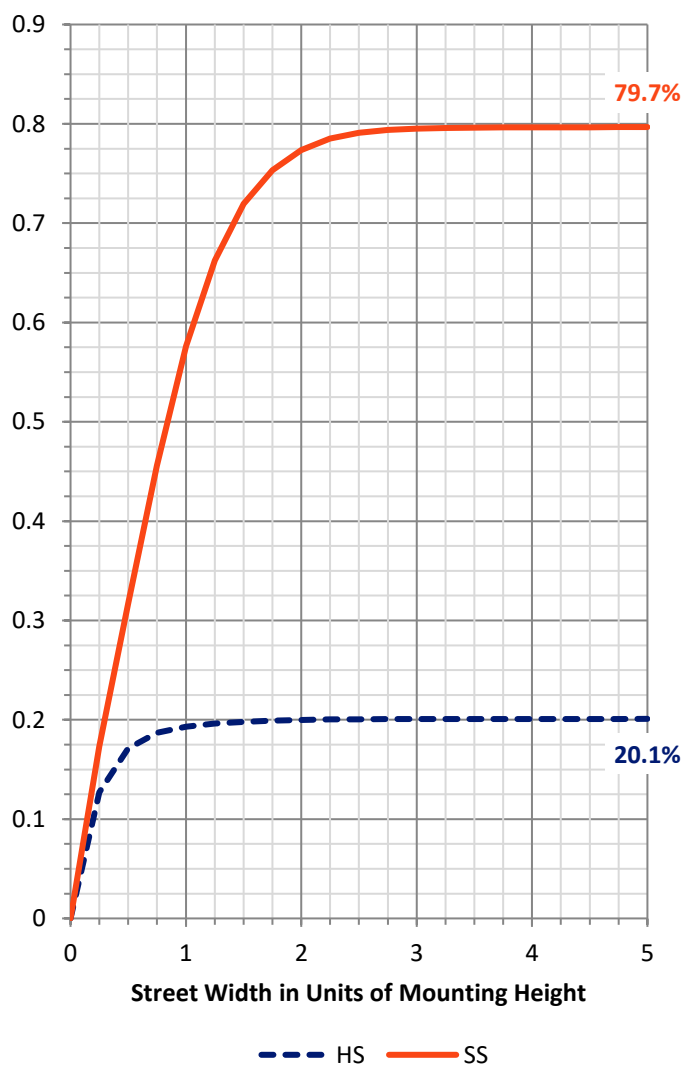
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	586.7	0.0	586.7
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	2304.3	0.0	2304.3
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	2891.0	0.0	2891.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.9	3.7
10°-20°	210.9	7.3
20°-30°	321.0	11.1
30°-40°	479.7	16.6
40°-50°	683.2	23.6
50°-60°	734.4	25.4
60°-70°	325.4	11.3
70°-80°	26.3	0.9
80°-90°	3.1	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°	2891.0	100.0
0°-180°	2891.0	100.0

**Coefficient of Utilization**

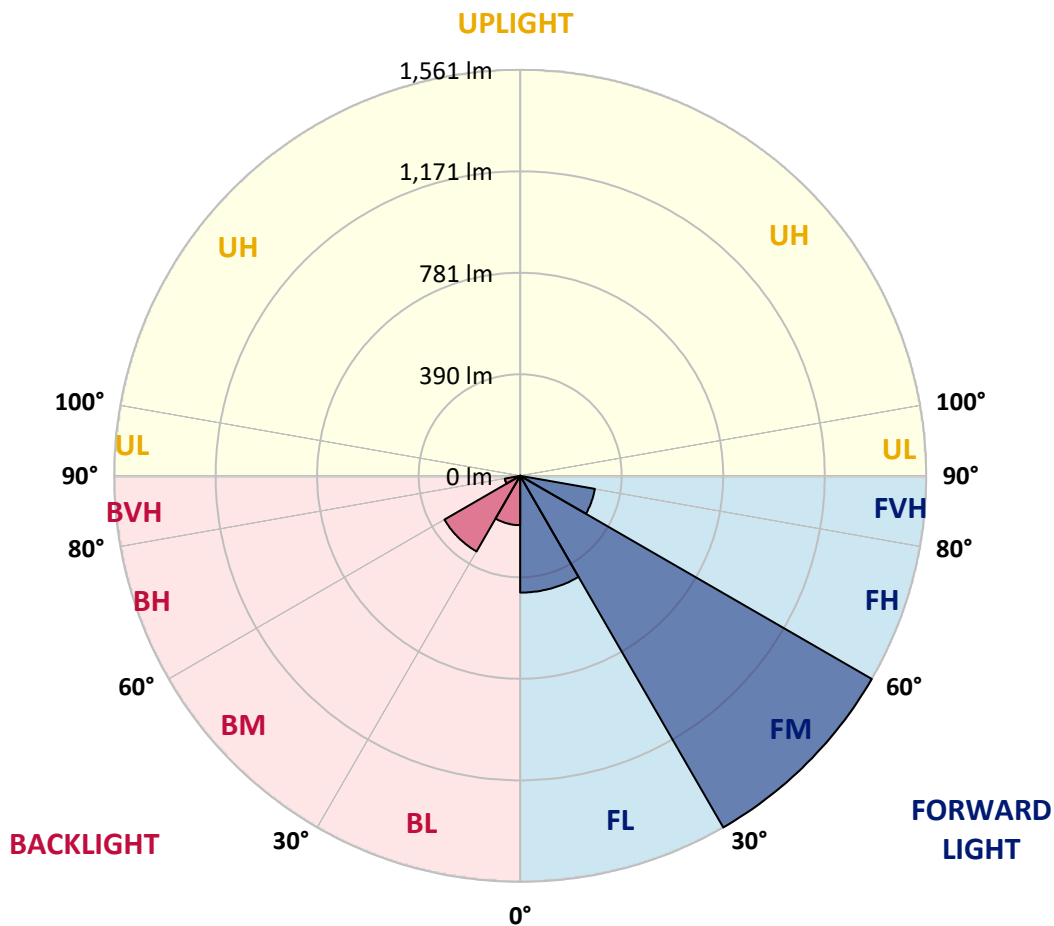


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	449.0	15.5			
FM (30°-60°)	1561.2	54.0			
FH (60°-80°)	291.7	10.1			G0/660
FVH (80°-90°)	2.3	0.1			G0/10
BL (0°-30°)	189.8	6.6	B1/500		
BM (30°-60°)	336.1	11.6	B1/1000		
BH (60°-80°)	60.0	2.1	B0/110		G0/110
BVH (80°-90°)	0.8	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°	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9
2.5°	1551.2	1555.7	1580.7	1612.0	1628.5	1666.0	1639.9	1646.7	1632.5	1582.4	1543.2
5°	1504.0	1503.4	1535.2	1612.6	1685.9	1760.4	1762.7	1722.9	1652.9	1576.2	1466.4
7.5°	1361.8	1384.0	1417.0	1540.4	1676.3	1732.0	1758.7	1712.1	1604.6	1494.9	1376.0
10°	1254.3	1265.7	1321.4	1470.4	1569.9	1644.4	1660.9	1634.2	1551.7	1414.7	1281.6
12.5°	1192.4	1198.1	1263.4	1388.5	1493.7	1548.9	1556.8	1569.4	1510.2	1381.7	1221.9
15°	1192.9	1197.5	1285.6	1390.2	1431.8	1417.0	1443.1	1442.6	1468.1	1375.5	1272.0
17.5°	1278.8	1283.9	1363.5	1415.3	1397.1	1362.4	1360.7	1386.8	1440.9	1453.4	1347.6
20°	1426.6	1438.6	1497.1	1494.3	1392.0	1322.0	1302.7	1322.6	1448.2	1519.3	1500.0
22.5°	1625.7	1642.1	1683.1	1604.6	1415.3	1294.7	1288.5	1327.1	1497.1	1666.6	1672.8
25°	1856.5	1884.4	1904.3	1803.6	1498.3	1341.9	1312.3	1378.9	1563.1	1826.4	1892.9
27.5°	2009.5	2038.5	2033.9	1890.1	1554.0	1354.4	1329.4	1391.4	1620.5	1864.5	2007.8
30°	2128.9	2146.5	2178.3	1936.7	1609.7	1389.7	1347.0	1444.3	1639.3	1930.4	2146.5
32.5°	2268.2	2280.1	2282.4	2019.1	1695.6	1434.0	1401.6	1510.2	1722.3	1993.5	2269.3
35°	2408.6	2426.3	2389.3	2120.9	1748.5	1516.5	1492.6	1624.5	1788.8	2058.9	2404.6
37.5°	2561.0	2570.1	2484.8	2163.0	1824.1	1650.7	1637.6	1747.9	1904.3	2177.2	2554.8
40°	2688.9	2697.5	2586.6	2214.7	1903.7	1838.3	1871.9	1983.3	2061.2	2254.0	2629.8
42.5°	2760.0	2779.9	2620.7	2186.3	2063.5	2051.0	2199.9	2239.2	2243.2	2275.6	2696.9
45°	2779.4	2770.3	2564.4	2209.6	2203.4	2400.7	2536.0	2587.7	2424.0	2315.4	2714.0
47.5°	2690.1	2702.0	2481.4	2189.1	2387.0	2665.6	2840.8	2936.9	2558.7	2280.7	2671.9
50°	2617.9	2602.5	2454.7	2174.4	2436.5	2790.7	3060.8	3082.4	2682.7	2323.3	2625.8
52.5°	2632.1	2641.8	2497.3	2213.6	2437.6	2798.1	3094.9	3080.1	2686.7	2313.7	2609.3
55°	2662.2	2619.6	2479.1	2127.2	2274.4	2591.7	2746.9	2724.2	2479.7	2210.7	2569.0
57.5°	2297.2	2363.1	2279.5	1899.2	1866.7	1952.6	1949.8	2019.7	1849.7	1902.6	2338.7
60°	1864.5	1875.8	1907.1	1624.5	1291.9	1262.3	1221.4	1177.0	1244.7	1626.8	2127.2
62.5°	1639.9	1626.2	1737.7	1477.8	912.0	763.6	756.8	784.1	960.4	1551.7	1995.2
65°	1191.8	1208.9	1289.6	1146.9	684.6	582.8	572.6	653.3	777.3	1243.5	1522.7
67.5°	727.8	760.8	768.2	707.3	464.6	369.0	354.2	427.6	561.2	804.6	892.7
70°	336.0	375.8	413.4	386.1	269.0	151.8	143.3	179.7	283.2	462.8	473.7
72.5°	101.8	102.3	143.3	149.5	87.0	34.1	30.1	39.8	96.1	153.0	160.9
75°	7.4	8.0	19.3	22.2	16.5	8.5	9.1	10.8	20.5	34.1	25.6
77.5°	0.6	0.6	0.6	2.8	5.1	5.7	7.4	8.5	10.8	12.5	11.4
80°	0.6	0.0	0.6	2.3	4.0	5.7	6.8	8.0	8.5	9.7	8.5
82.5°	0.0	0.0	0.0	1.7	4.0	5.7	6.3	8.5	9.7	11.4	9.7
85°	0.0	0.0	0.0	1.7	4.0	6.3	5.7	2.8	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°	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9
2.5°	1550.0	1527.8	1477.2	1451.7	1391.4	1382.9	1323.7	1314.1	1294.2	1283.3	1257.2
5°	1418.1	1391.4	1308.9	1239.6	1158.8	1102.5	1059.3	1020.1	997.3	976.3	986.0
7.5°	1310.6	1232.7	1141.2	1025.2	931.9	871.7	805.7	751.7	719.9	698.3	703.4
10°	1198.1	1147.5	1020.1	889.9	777.3	734.6	682.9	641.4	596.5	557.8	539.6
12.5°	1162.8	1087.7	928.0	795.5	710.2	668.7	609.5	561.8	504.4	457.2	440.7
15°	1169.1	1096.8	902.9	761.4	660.7	589.1	518.6	459.4	396.3	363.3	346.3
17.5°	1270.8	1145.7	919.4	725.5	591.9	492.4	405.4	330.4	283.2	249.1	241.7
20°	1395.9	1251.5	954.7	699.4	535.6	391.8	296.2	231.4	192.2	186.5	184.8
22.5°	1579.0	1424.4	1030.3	681.8	466.8	305.3	203.0	168.3	157.5	156.4	156.9
25°	1834.9	1641.0	1112.8	667.0	415.1	235.4	166.0	142.7	139.3	137.6	140.4
27.5°	1945.8	1771.8	1156.5	635.1	367.9	212.1	163.8	141.6	131.9	129.1	130.8
30°	2082.8	1858.8	1225.4	580.5	298.5	174.6	153.0	154.1	149.5	135.3	130.8
32.5°	2264.8	1967.4	1260.0	541.9	266.7	144.4	112.0	102.9	114.9	117.1	121.1
35°	2381.3	2077.7	1277.7	519.1	250.2	123.4	95.0	86.4	83.6	84.2	86.4
37.5°	2598.0	2226.7	1299.8	495.3	237.7	107.5	85.9	77.9	73.9	73.9	76.2
40°	2727.6	2344.9	1330.0	482.2	225.2	97.8	77.9	71.1	67.7	67.7	68.8
42.5°	2760.0	2403.5	1319.7	477.6	211.0	95.5	71.1	66.0	62.0	61.4	60.8
45°	2818.0	2492.8	1321.4	472.5	196.2	87.0	67.1	61.4	55.7	55.2	54.6
47.5°	2881.7	2557.0	1324.9	452.6	182.0	72.8	69.9	56.9	50.0	48.9	48.9
50°	2827.1	2608.2	1354.4	432.7	163.8	59.1	68.8	53.4	44.4	42.6	43.2
52.5°	2833.9	2668.5	1417.0	404.8	141.0	47.2	55.7	50.6	40.4	37.5	38.1
55°	2724.8	2604.8	1425.5	375.3	110.3	36.4	42.6	44.4	34.1	33.0	33.0
57.5°	2345.5	2205.6	1257.8	304.2	72.8	30.1	30.7	38.7	29.6	28.4	29.0
60°	2007.2	1770.6	1012.1	200.7	45.5	23.9	22.2	39.2	26.2	25.6	27.3
62.5°	1829.8	1455.1	767.6	124.5	31.3	18.2	15.4	31.8	22.7	22.7	25.0
65°	1322.0	977.4	446.4	65.4	22.2	14.2	11.4	18.2	18.8	19.3	20.5
67.5°	818.8	493.6	188.2	31.8	14.8	9.7	7.4	11.4	12.5	12.5	13.6
70°	404.3	196.7	62.5	18.2	11.4	8.0	5.1	6.3	6.3	5.7	6.3
72.5°	125.1	59.1	15.9	11.4	8.0	5.1	2.8	2.3	1.1	0.0	0.6
75°	14.2	11.4	10.2	8.0	5.1	2.3	0.6	0.0	0.0	0.0	0.0
77.5°	8.5	9.7	9.7	8.0	5.1	1.7	0.0	0.0	0.0	0.0	0.0
80°	6.8	7.4	8.0	7.4	4.5	2.3	0.0	0.0	0.0	0.0	0.0
82.5°	8.5	9.7	10.8	9.7	6.3	2.8	1.1	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	1.7	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°	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9
2.5°	1246.4	1233.9	1251.5	1225.4	1224.8	1225.4	1218.0	1211.1	1221.9	1250.9	1253.8
5°	951.3	978.0	986.5	1014.4	999.0	976.3	980.8	965.5	1003.0	1019.5	1006.4
7.5°	692.6	690.9	748.3	751.7	759.1	759.7	758.5	728.4	697.7	704.5	725.0
10°	537.3	508.3	536.2	533.4	551.5	546.4	553.8	521.4	532.2	532.2	545.3
12.5°	437.8	407.1	402.0	394.6	402.0	404.8	407.7	401.4	419.6	428.2	437.3
15°	334.3	317.3	312.7	298.5	300.8	308.8	315.6	318.4	312.7	325.8	326.9
17.5°	242.8	242.2	245.1	244.5	242.2	240.5	240.0	232.6	230.3	231.4	236.0
20°	184.2	188.8	198.4	208.1	213.2	207.0	198.4	185.9	180.8	182.0	182.5
22.5°	157.5	164.3	177.4	188.2	193.3	182.0	166.6	155.8	153.5	153.0	152.4
25°	142.7	150.7	160.3	163.8	163.2	156.4	145.0	140.4	139.3	138.2	133.1
27.5°	134.8	137.6	139.3	143.3	145.0	140.4	137.6	130.8	129.6	129.6	126.2
30°	130.2	128.5	130.8	127.9	130.2	126.8	127.4	127.4	124.5	125.7	125.7
32.5°	121.1	121.7	121.7	116.0	117.7	113.7	117.7	121.1	121.7	122.3	126.8
35°	88.7	98.9	104.1	104.1	105.8	102.9	102.3	98.4	93.3	88.1	85.9
37.5°	77.9	81.9	88.7	92.7	95.5	93.3	88.1	81.9	79.0	76.8	74.5
40°	69.4	72.8	77.3	81.9	87.6	84.7	76.8	73.9	70.5	70.5	68.2
42.5°	62.5	64.3	67.1	73.9	80.2	74.5	68.8	66.5	64.8	64.3	63.7
45°	56.3	56.9	59.7	65.4	72.8	67.1	61.4	58.6	59.1	59.7	59.1
47.5°	50.6	51.7	53.4	60.3	64.8	62.0	55.7	54.0	54.0	54.0	54.6
50°	43.8	46.6	50.0	55.7	59.1	57.4	52.3	50.0	48.9	48.9	49.5
52.5°	39.2	41.5	46.1	52.9	57.4	54.6	49.5	46.1	43.8	43.2	44.4
55°	34.1	38.1	45.5	50.6	56.9	54.0	48.3	44.4	40.4	39.8	39.8
57.5°	30.7	37.0	43.8	50.0	55.2	52.9	48.3	43.2	38.1	37.5	37.5
60°	29.0	35.8	42.6	48.3	55.2	51.7	47.8	42.1	36.4	36.4	35.8
62.5°	27.3	33.5	40.4	46.1	52.9	50.0	46.1	40.4	34.7	34.7	33.5
65°	22.7	29.0	33.5	38.7	46.1	43.2	39.2	35.3	30.7	29.6	30.1
67.5°	15.9	19.9	24.5	29.6	34.1	33.0	31.3	28.4	24.5	23.9	23.3
70°	8.0	10.8	14.8	19.9	23.9	22.7	21.6	19.3	17.1	16.5	16.5
72.5°	1.1	3.4	6.3	9.1	12.5	13.1	12.5	11.9	11.4	10.8	11.4
75°	0.0	0.0	0.0	2.3	5.1	6.3	7.4	8.5	8.5	7.4	9.1
77.5°	0.0	0.0	0.0	0.0	0.6	2.8	5.7	7.4	9.1	8.0	10.8
80°	0.0	0.0	0.0	0.0	0.6	3.4	5.7	8.0	9.1	8.0	11.4
82.5°	0.0	0.0	0.0	0.0	0.6	4.0	5.7	7.4	8.5	8.0	10.2
85°	0.0	0.0	0.0	0.0	1.7	3.4	2.3	1.1	0.6	0.6	1.7
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°	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9
2.5°	1269.7	1310.1	1353.3	1369.8	1421.0	1459.6	1485.8	1542.1	1550.6	1551.2
5°	1020.1	1040.6	1114.5	1149.2	1225.4	1284.5	1347.6	1438.6	1499.4	1504.0
7.5°	725.0	781.8	813.1	903.5	997.3	1090.0	1183.8	1289.6	1360.1	1361.8
10°	583.4	620.4	676.1	743.7	822.8	917.2	1042.3	1165.1	1236.7	1254.3
12.5°	469.7	534.5	598.2	668.1	728.4	799.5	934.2	1098.0	1157.1	1192.4
15°	361.6	420.8	495.8	577.7	645.9	740.9	894.4	1081.5	1181.0	1192.9
17.5°	266.7	319.6	388.9	466.3	568.6	703.4	901.2	1165.1	1258.9	1278.8
20°	191.6	222.3	276.9	366.8	497.0	659.6	908.1	1249.8	1392.5	1426.6
22.5°	151.8	164.3	200.2	279.8	416.8	613.5	956.4	1411.9	1576.2	1625.7
25°	131.9	138.7	155.8	220.6	366.2	609.0	1033.7	1606.3	1820.7	1856.5
27.5°	127.4	128.5	143.3	202.4	338.9	578.8	1063.3	1744.5	1973.1	2009.5
30°	134.2	152.4	153.5	171.2	288.3	519.1	1078.6	1878.1	2102.1	2128.9
32.5°	116.0	110.3	114.3	132.5	253.6	484.5	1107.6	1994.7	2249.4	2268.2
35°	80.7	84.7	93.8	114.9	221.8	448.1	1115.0	2123.2	2389.3	2408.6
37.5°	74.5	76.8	84.2	97.8	195.0	427.6	1104.8	2217.0	2534.3	2561.0
40°	69.4	72.2	76.2	88.7	175.1	404.8	1090.6	2301.7	2623.0	2688.9
42.5°	65.4	67.7	71.1	84.7	158.1	382.1	1070.7	2421.1	2702.6	2760.0
45°	60.8	64.3	68.2	82.4	148.4	366.8	1055.9	2413.7	2748.7	2779.4
47.5°	56.3	62.0	66.5	76.8	145.6	359.4	1062.2	2385.9	2711.1	2690.1
50°	51.7	59.1	67.1	63.7	138.7	344.6	1069.6	2424.0	2621.9	2617.9
52.5°	47.8	56.3	62.5	52.3	123.4	330.4	1141.2	2474.0	2685.0	2632.1
55°	42.1	50.6	50.0	42.1	100.1	319.6	1197.5	2475.2	2642.3	2662.2
57.5°	38.1	44.9	39.2	35.3	73.9	267.2	1105.9	2075.4	2261.9	2297.2
60°	35.3	43.8	29.6	27.9	48.3	192.8	965.5	1607.5	1797.9	1864.5
62.5°	32.4	41.5	23.3	22.7	33.5	137.0	793.8	1345.3	1549.5	1639.9
65°	28.4	29.6	18.8	17.6	23.9	73.9	483.3	926.3	1158.3	1191.8
67.5°	23.3	22.7	15.4	14.2	15.9	35.8	213.2	464.0	671.5	727.8
70°	18.8	18.8	13.1	11.4	11.4	16.5	55.7	184.8	303.6	336.0
72.5°	13.6	14.2	10.2	9.1	8.5	8.0	9.1	37.0	79.6	101.8
75°	11.9	12.5	10.2	8.0	6.3	5.1	4.0	3.4	4.5	7.4
77.5°	13.1	13.1	10.8	7.4	5.7	4.0	2.3	1.1	1.1	0.6
80°	16.5	17.1	14.2	9.7	6.8	4.5	2.8	1.1	0.6	0.6
82.5°	17.6	19.3	15.9	11.9	8.5	5.1	2.8	0.6	0.0	0.0
85°	4.5	7.4	12.5	10.8	8.5	5.1	2.8	0.6	0.0	0.0
87.5°	0.0	0.6	1.7	1.7	2.3	2.3	1.7	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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