

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: P526181

Luminaire Tested: **GALN-SA1A-760-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526181  
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-SA1A-760-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5700K, 615mA 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: 2558 lumens  
Efficiency: N/A  
Efficacy: 77.5 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

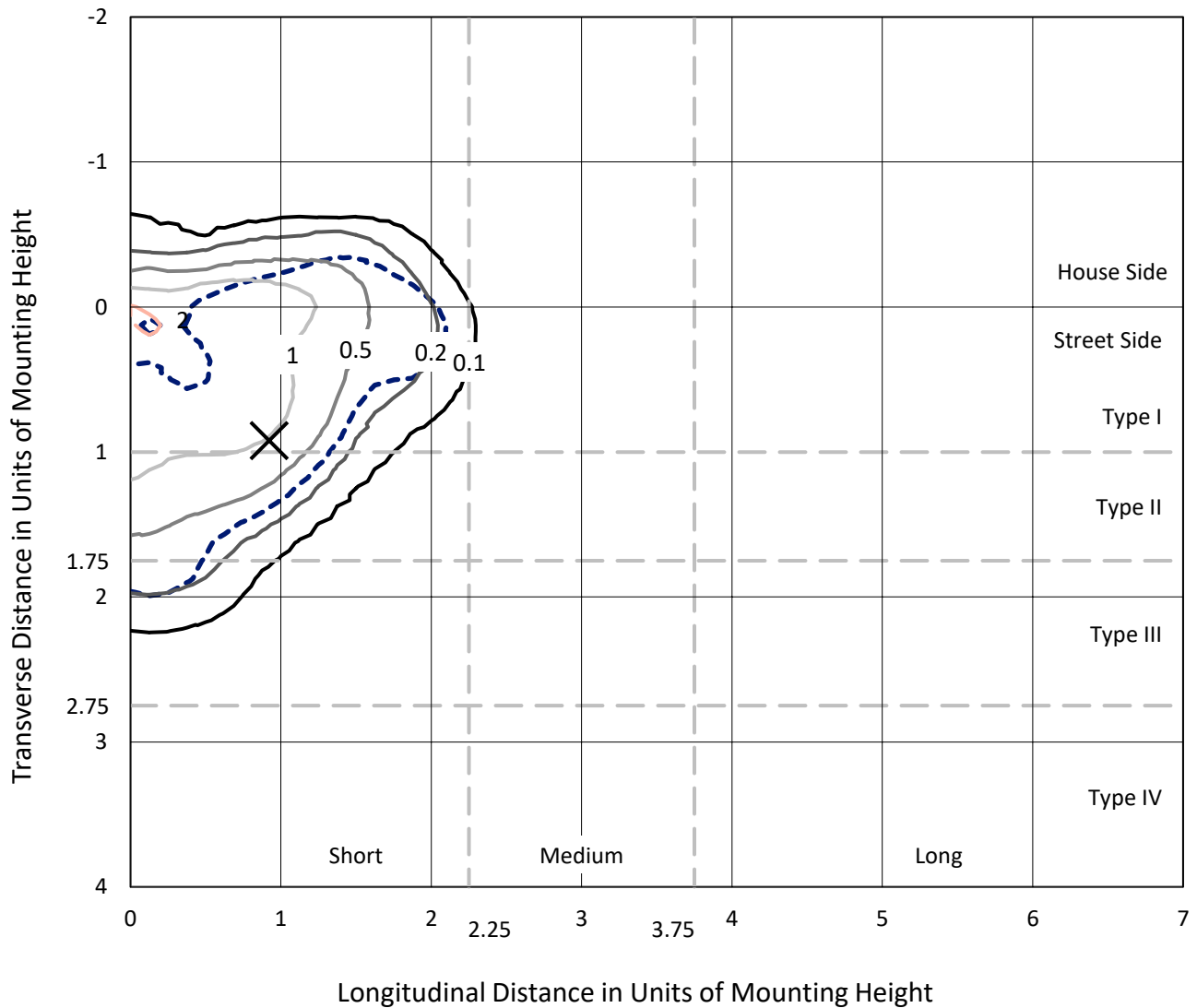
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

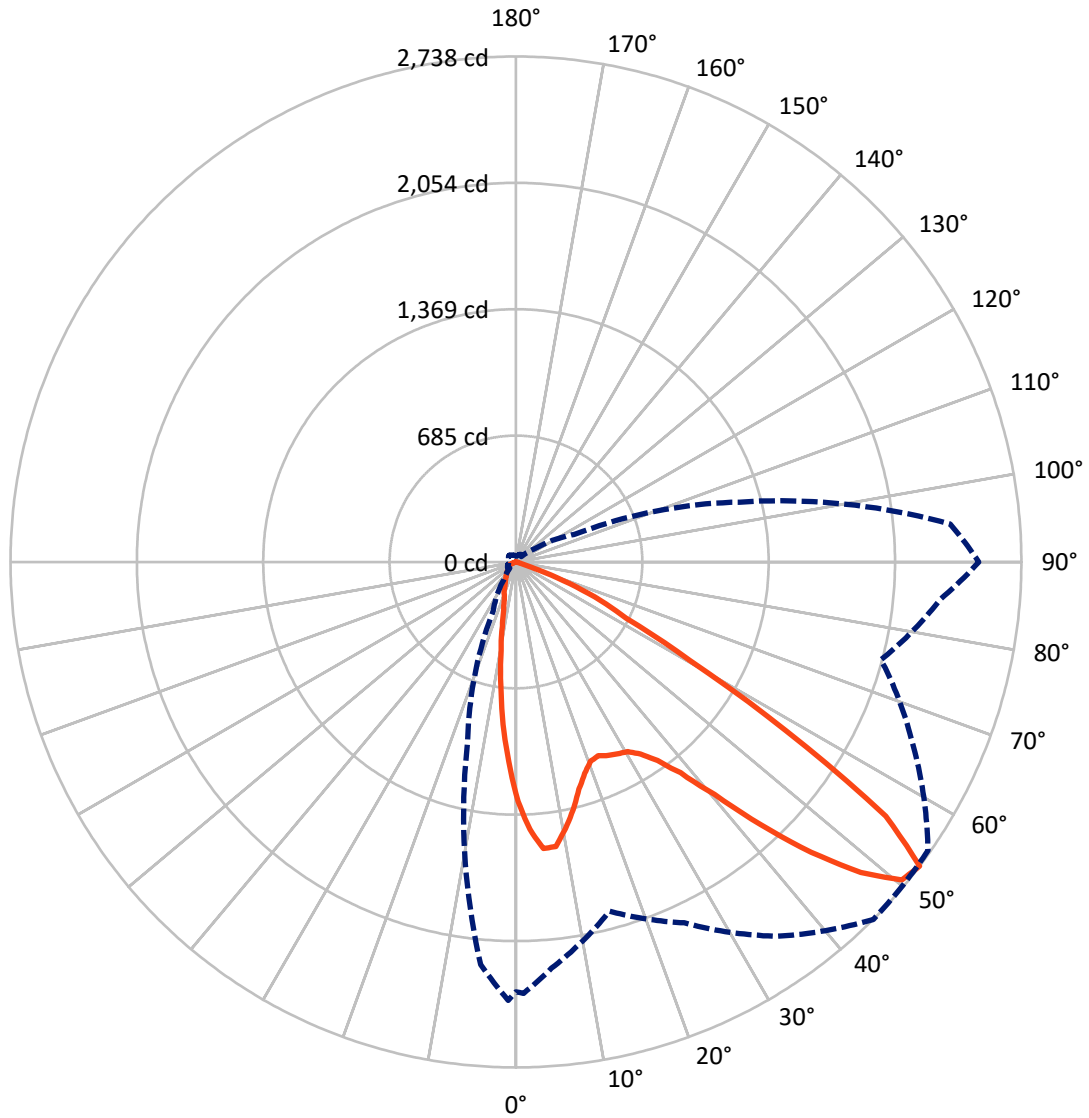
✕ Max cd  
 - - - 1/2 Max cd



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



— 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	519.1	0.0	519.1
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	2038.9	0.0	2038.9
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	2558.0	0.0	2558.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.6	3.7
10°-20°	186.6	7.3
20°-30°	284.0	11.1
30°-40°	424.5	16.6
40°-50°	604.5	23.6
50°-60°	649.8	25.4
60°-70°	288.0	11.3
70°-80°	23.3	0.9
80°-90°	2.7	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°	2558.0	100.0
0°-180°	2558.0	100.0

**Coefficient of Utilization**

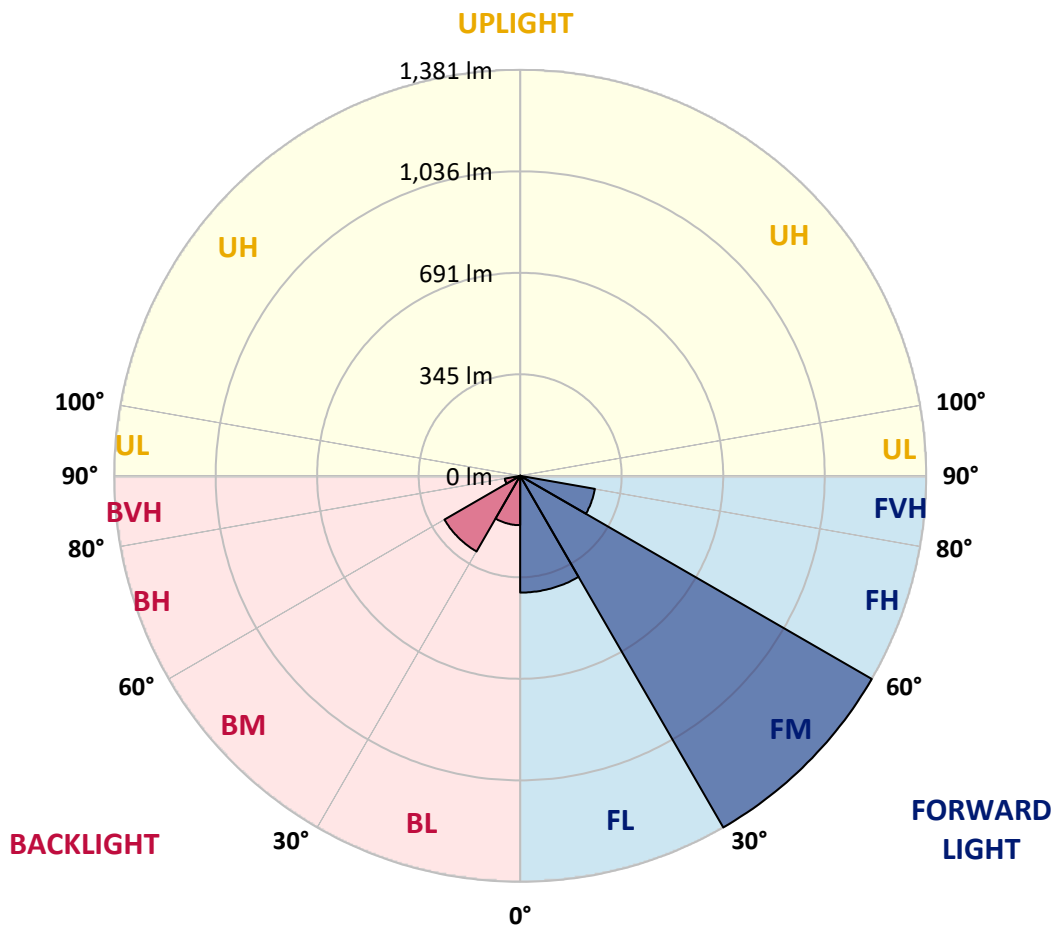


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	397.3	15.5			
FM (30°-60°)	1381.4	54.0			
FH (60°-80°)	258.1	10.1			G0/660
FVH (80°-90°)	2.0	0.1			G0/10
BL (0°-30°)	167.9	6.6	B1/500		
BM (30°-60°)	297.4	11.6	B1/1000		
BH (60°-80°)	53.1	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°	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0
2.5°	1372.5	1376.5	1398.7	1426.3	1440.9	1474.1	1451.0	1457.0	1444.4	1400.2	1365.4
5°	1330.7	1330.2	1358.4	1426.8	1491.7	1557.6	1559.6	1524.4	1462.5	1394.6	1297.5
7.5°	1205.0	1224.6	1253.8	1362.9	1483.2	1532.5	1556.1	1514.9	1419.8	1322.7	1217.5
10°	1109.9	1119.9	1169.2	1301.0	1389.1	1455.0	1469.6	1445.9	1373.0	1251.7	1134.0
12.5°	1055.0	1060.1	1117.9	1228.6	1321.7	1370.5	1377.5	1388.6	1336.3	1222.6	1081.2
15°	1055.5	1059.6	1137.5	1230.1	1266.8	1253.8	1276.9	1276.4	1299.0	1217.0	1125.5
17.5°	1131.5	1136.0	1206.5	1252.2	1236.1	1205.5	1203.9	1227.1	1274.9	1286.0	1192.4
20°	1262.3	1272.9	1324.7	1322.2	1231.6	1169.7	1152.6	1170.2	1281.4	1344.3	1327.2
22.5°	1438.4	1453.0	1489.2	1419.8	1252.2	1145.6	1140.1	1174.3	1324.7	1474.6	1480.2
25°	1642.7	1667.3	1684.9	1595.9	1325.7	1187.3	1161.2	1220.0	1383.1	1616.0	1674.9
27.5°	1778.0	1803.7	1799.6	1672.3	1375.0	1198.4	1176.3	1231.1	1433.9	1649.7	1776.5
30°	1883.7	1899.3	1927.4	1713.6	1424.3	1229.6	1191.9	1277.9	1450.5	1708.1	1899.3
32.5°	2006.9	2017.5	2019.5	1786.6	1500.3	1268.9	1240.2	1336.3	1523.9	1763.9	2007.9
35°	2131.2	2146.8	2114.1	1876.6	1547.1	1341.8	1320.7	1437.4	1582.8	1821.8	2127.7
37.5°	2266.0	2274.1	2198.6	1913.8	1614.0	1460.5	1449.0	1546.6	1684.9	1926.4	2260.5
40°	2379.2	2386.8	2288.7	1959.6	1684.4	1626.6	1656.2	1754.9	1823.8	1994.3	2326.9
42.5°	2442.1	2459.7	2318.8	1934.5	1825.8	1814.7	1946.5	1981.3	1984.8	2013.5	2386.3
45°	2459.2	2451.2	2269.0	1955.1	1949.6	2124.1	2243.9	2289.7	2144.8	2048.7	2401.4
47.5°	2380.2	2390.8	2195.6	1937.0	2112.1	2358.6	2513.6	2598.6	2264.0	2018.0	2364.1
50°	2316.3	2302.7	2171.9	1923.9	2155.8	2469.3	2708.3	2727.4	2373.7	2055.7	2323.4
52.5°	2328.9	2337.5	2209.7	1958.6	2156.8	2475.8	2738.4	2725.4	2377.2	2047.2	2308.8
55°	2355.6	2317.8	2193.6	1882.1	2012.5	2293.2	2430.5	2410.4	2194.1	1956.1	2273.1
57.5°	2032.6	2090.9	2017.0	1680.4	1651.7	1727.7	1725.2	1787.1	1636.6	1683.4	2069.3
60°	1649.7	1659.8	1687.4	1437.4	1143.1	1116.9	1080.7	1041.4	1101.3	1439.4	1882.1
62.5°	1451.0	1438.9	1537.5	1307.6	807.0	675.7	669.6	693.8	849.8	1373.0	1765.4
65°	1054.5	1069.6	1141.1	1014.8	605.7	515.7	506.6	578.1	687.8	1100.3	1347.3
67.5°	644.0	673.2	679.7	625.9	411.0	326.5	313.4	378.3	496.6	711.9	789.9
70°	297.3	332.6	365.8	341.6	238.0	134.3	126.8	159.0	250.6	409.5	419.1
72.5°	90.1	90.6	126.8	132.3	77.0	30.2	26.7	35.2	85.0	135.3	142.4
75°	6.5	7.0	17.1	19.6	14.6	7.5	8.0	9.6	18.1	30.2	22.6
77.5°	0.5	0.5	0.5	2.5	4.5	5.0	6.5	7.5	9.6	11.1	10.1
80°	0.5	0.0	0.5	2.0	3.5	5.0	6.0	7.0	7.5	8.6	7.5
82.5°	0.0	0.0	0.0	1.5	3.5	5.0	5.5	7.5	8.6	10.1	8.6
85°	0.0	0.0	0.0	1.5	3.5	5.5	5.0	2.5	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°	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0
2.5°	1371.5	1351.9	1307.1	1284.4	1231.1	1223.6	1171.2	1162.7	1145.1	1135.5	1112.4
5°	1254.8	1231.1	1158.2	1096.8	1025.3	975.5	937.3	902.6	882.5	863.8	872.4
7.5°	1159.7	1090.7	1009.7	907.1	824.6	771.3	712.9	665.1	636.9	617.8	622.4
10°	1060.1	1015.3	902.6	787.4	687.8	650.0	604.2	567.5	527.8	493.6	477.5
12.5°	1028.9	962.5	821.1	703.9	628.4	591.7	539.3	497.1	446.3	404.5	389.9
15°	1034.4	970.5	798.9	673.7	584.6	521.2	458.8	406.5	350.7	321.5	306.4
17.5°	1124.5	1013.8	813.5	642.0	523.7	435.7	358.7	292.3	250.6	220.4	213.8
20°	1235.1	1107.4	844.7	618.8	473.9	346.6	262.1	204.8	170.1	165.0	163.5
22.5°	1397.1	1260.3	911.6	603.2	413.1	270.2	179.6	148.9	139.4	138.4	138.9
25°	1623.5	1452.0	984.6	590.2	367.3	208.3	146.9	126.3	123.3	121.8	124.3
27.5°	1721.7	1567.7	1023.3	562.0	325.5	187.7	144.9	125.3	116.7	114.2	115.7
30°	1842.9	1644.7	1084.2	513.7	264.1	154.5	135.3	136.3	132.3	119.7	115.7
32.5°	2003.9	1740.8	1114.9	479.5	236.0	127.8	99.1	91.1	101.6	103.6	107.2
35°	2107.0	1838.4	1130.5	459.3	221.4	109.2	84.0	76.5	74.0	74.5	76.5
37.5°	2298.7	1970.2	1150.1	438.2	210.3	95.1	76.0	68.9	65.4	65.4	67.4
40°	2413.4	2074.8	1176.8	426.6	199.2	86.5	68.9	62.9	59.9	59.9	60.9
42.5°	2442.1	2126.7	1167.7	422.6	186.7	84.5	62.9	58.4	54.8	54.3	53.8
45°	2493.4	2205.6	1169.2	418.1	173.6	77.0	59.4	54.3	49.3	48.8	48.3
47.5°	2549.8	2262.5	1172.3	400.5	161.0	64.4	61.9	50.3	44.3	43.3	43.3
50°	2501.5	2307.8	1198.4	382.9	144.9	52.3	60.9	47.3	39.2	37.7	38.2
52.5°	2507.5	2361.1	1253.8	358.2	124.8	41.8	49.3	44.8	35.7	33.2	33.7
55°	2410.9	2304.8	1261.3	332.1	97.6	32.2	37.7	39.2	30.2	29.2	29.2
57.5°	2075.3	1951.6	1112.9	269.2	64.4	26.7	27.2	34.2	26.2	25.2	25.7
60°	1776.0	1566.7	895.5	177.6	40.2	21.1	19.6	34.7	23.1	22.6	24.1
62.5°	1619.0	1287.5	679.2	110.2	27.7	16.1	13.6	28.2	20.1	20.1	22.1
65°	1169.7	864.9	394.9	57.9	19.6	12.6	10.1	16.1	16.6	17.1	18.1
67.5°	724.5	436.7	166.5	28.2	13.1	8.6	6.5	10.1	11.1	11.1	12.1
70°	357.7	174.1	55.3	16.1	10.1	7.0	4.5	5.5	5.5	5.0	5.5
72.5°	110.7	52.3	14.1	10.1	7.0	4.5	2.5	2.0	1.0	0.0	0.5
75°	12.6	10.1	9.1	7.0	4.5	2.0	0.5	0.0	0.0	0.0	0.0
77.5°	7.5	8.6	8.6	7.0	4.5	1.5	0.0	0.0	0.0	0.0	0.0
80°	6.0	6.5	7.0	6.5	4.0	2.0	0.0	0.0	0.0	0.0	0.0
82.5°	7.5	8.6	9.6	8.6	5.5	2.5	1.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	1.5	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°	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0
2.5°	1102.8	1091.8	1107.4	1084.2	1083.7	1084.2	1077.7	1071.6	1081.2	1106.8	1109.4
5°	841.7	865.4	872.9	897.6	884.0	863.8	867.9	854.3	887.5	902.1	890.5
7.5°	612.8	611.3	662.1	665.1	671.7	672.2	671.2	644.5	617.3	623.4	641.5
10°	475.4	449.8	474.4	471.9	488.0	483.5	490.0	461.4	470.9	470.9	482.5
12.5°	387.4	360.2	355.7	349.2	355.7	358.2	360.7	355.2	371.3	378.8	386.9
15°	295.8	280.7	276.7	264.1	266.1	273.2	279.2	281.7	276.7	288.3	289.3
17.5°	214.8	214.3	216.8	216.3	214.3	212.8	212.3	205.8	203.8	204.8	208.8
20°	163.0	167.0	175.6	184.1	188.7	183.1	175.6	164.5	160.0	161.0	161.5
22.5°	139.4	145.4	157.0	166.5	171.1	161.0	147.4	137.9	135.8	135.3	134.8
25°	126.3	133.3	141.9	144.9	144.4	138.4	128.3	124.3	123.3	122.3	117.7
27.5°	119.2	121.8	123.3	126.8	128.3	124.3	121.8	115.7	114.7	114.7	111.7
30°	115.2	113.7	115.7	113.2	115.2	112.2	112.7	112.7	110.2	111.2	111.2
32.5°	107.2	107.7	107.7	102.6	104.1	100.6	104.1	107.2	107.7	108.2	112.2
35°	78.5	87.5	92.1	92.1	93.6	91.1	90.6	87.0	82.5	78.0	76.0
37.5°	68.9	72.4	78.5	82.0	84.5	82.5	78.0	72.4	69.9	67.9	65.9
40°	61.4	64.4	68.4	72.4	77.5	75.0	67.9	65.4	62.4	62.4	60.4
42.5°	55.3	56.9	59.4	65.4	70.9	65.9	60.9	58.9	57.4	56.9	56.3
45°	49.8	50.3	52.8	57.9	64.4	59.4	54.3	51.8	52.3	52.8	52.3
47.5°	44.8	45.8	47.3	53.3	57.4	54.8	49.3	47.8	47.8	47.8	48.3
50°	38.7	41.3	44.3	49.3	52.3	50.8	46.3	44.3	43.3	43.3	43.8
52.5°	34.7	36.7	40.8	46.8	50.8	48.3	43.8	40.8	38.7	38.2	39.2
55°	30.2	33.7	40.2	44.8	50.3	47.8	42.8	39.2	35.7	35.2	35.2
57.5°	27.2	32.7	38.7	44.3	48.8	46.8	42.8	38.2	33.7	33.2	33.2
60°	25.7	31.7	37.7	42.8	48.8	45.8	42.3	37.2	32.2	32.2	31.7
62.5°	24.1	29.7	35.7	40.8	46.8	44.3	40.8	35.7	30.7	30.7	29.7
65°	20.1	25.7	29.7	34.2	40.8	38.2	34.7	31.2	27.2	26.2	26.7
67.5°	14.1	17.6	21.6	26.2	30.2	29.2	27.7	25.2	21.6	21.1	20.6
70°	7.0	9.6	13.1	17.6	21.1	20.1	19.1	17.1	15.1	14.6	14.6
72.5°	1.0	3.0	5.5	8.0	11.1	11.6	11.1	10.6	10.1	9.6	10.1
75°	0.0	0.0	0.0	2.0	4.5	5.5	6.5	7.5	7.5	6.5	8.0
77.5°	0.0	0.0	0.0	0.0	0.5	2.5	5.0	6.5	8.0	7.0	9.6
80°	0.0	0.0	0.0	0.0	0.5	3.0	5.0	7.0	8.0	7.0	10.1
82.5°	0.0	0.0	0.0	0.0	0.5	3.5	5.0	6.5	7.5	7.0	9.1
85°	0.0	0.0	0.0	0.0	1.5	3.0	2.0	1.0	0.5	0.5	1.5
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°	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0
2.5°	1123.5	1159.2	1197.4	1212.0	1257.3	1291.5	1314.6	1364.4	1372.0	1372.5
5°	902.6	920.7	986.1	1016.8	1084.2	1136.5	1192.4	1272.9	1326.7	1330.7
7.5°	641.5	691.8	719.5	799.4	882.5	964.5	1047.5	1141.1	1203.4	1205.0
10°	516.2	548.9	598.2	658.1	728.0	811.5	922.2	1030.9	1094.3	1109.9
12.5°	415.6	472.9	529.3	591.2	644.5	707.4	826.6	971.5	1023.8	1055.0
15°	320.0	372.3	438.7	511.2	571.5	655.6	791.4	956.9	1045.0	1055.5
17.5°	236.0	282.7	344.1	412.6	503.1	622.4	797.4	1030.9	1113.9	1131.5
20°	169.5	196.7	245.0	324.5	439.7	583.6	803.5	1105.8	1232.1	1262.3
22.5°	134.3	145.4	177.1	247.5	368.8	542.9	846.2	1249.2	1394.6	1438.4
25°	116.7	122.8	137.9	195.2	324.0	538.8	914.7	1421.3	1611.0	1642.7
27.5°	112.7	113.7	126.8	179.1	299.9	512.2	940.8	1543.6	1745.8	1778.0
30°	118.7	134.8	135.8	151.4	255.1	459.3	954.4	1661.8	1860.0	1883.7
32.5°	102.6	97.6	101.1	117.2	224.4	428.7	980.1	1764.9	1990.3	2006.9
35°	71.4	75.0	83.0	101.6	196.2	396.5	986.6	1878.6	2114.1	2131.2
37.5°	65.9	67.9	74.5	86.5	172.6	378.3	977.5	1961.6	2242.4	2266.0
40°	61.4	63.9	67.4	78.5	155.0	358.2	965.0	2036.6	2320.9	2379.2
42.5°	57.9	59.9	62.9	75.0	139.9	338.1	947.4	2142.3	2391.3	2442.1
45°	53.8	56.9	60.4	73.0	131.3	324.5	934.3	2135.7	2432.0	2459.2
47.5°	49.8	54.8	58.9	67.9	128.8	318.0	939.8	2111.1	2398.8	2380.2
50°	45.8	52.3	59.4	56.3	122.8	304.9	946.4	2144.8	2319.9	2316.3
52.5°	42.3	49.8	55.3	46.3	109.2	292.3	1009.7	2189.0	2375.7	2328.9
55°	37.2	44.8	44.3	37.2	88.5	282.7	1059.6	2190.1	2338.0	2355.6
57.5°	33.7	39.7	34.7	31.2	65.4	236.5	978.6	1836.4	2001.4	2032.6
60°	31.2	38.7	26.2	24.7	42.8	170.6	854.3	1422.3	1590.8	1649.7
62.5°	28.7	36.7	20.6	20.1	29.7	121.3	702.3	1190.4	1371.0	1451.0
65°	25.2	26.2	16.6	15.6	21.1	65.4	427.6	819.6	1024.8	1054.5
67.5°	20.6	20.1	13.6	12.6	14.1	31.7	188.7	410.5	594.2	644.0
70°	16.6	16.6	11.6	10.1	10.1	14.6	49.3	163.5	268.7	297.3
72.5°	12.1	12.6	9.1	8.0	7.5	7.0	8.0	32.7	70.4	90.1
75°	10.6	11.1	9.1	7.0	5.5	4.5	3.5	3.0	4.0	6.5
77.5°	11.6	11.6	9.6	6.5	5.0	3.5	2.0	1.0	1.0	0.5
80°	14.6	15.1	12.6	8.6	6.0	4.0	2.5	1.0	0.5	0.5
82.5°	15.6	17.1	14.1	10.6	7.5	4.5	2.5	0.5	0.0	0.0
85°	4.0	6.5	11.1	9.6	7.5	4.5	2.5	0.5	0.0	0.0
87.5°	0.0	0.5	1.5	1.5	2.0	2.0	1.5	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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