

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: STREETWORKS

Report Number: P324475

Luminaire Tested: **GAN-SA1B-740-U-SLR-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324475  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1B-740-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4436 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

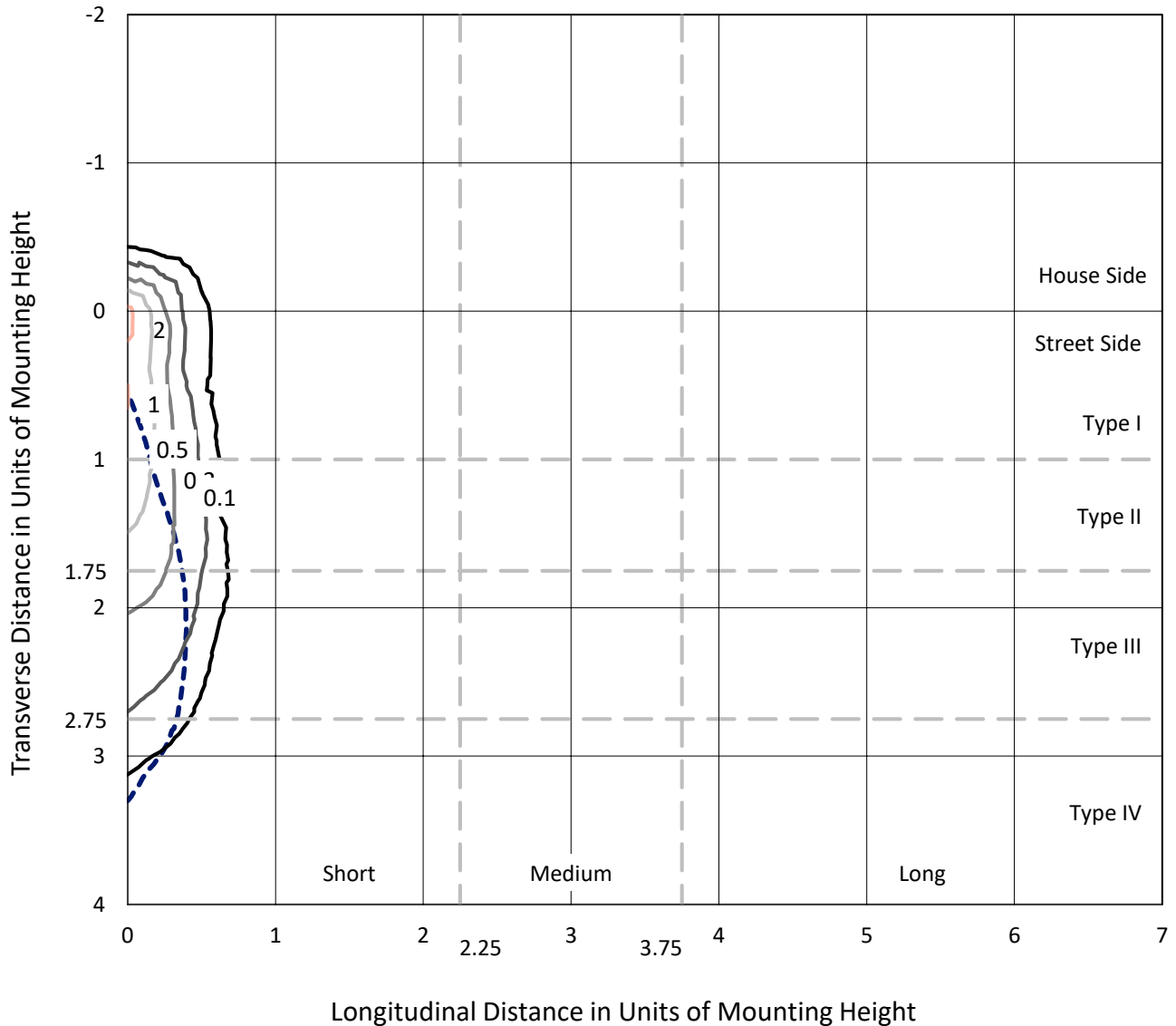
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

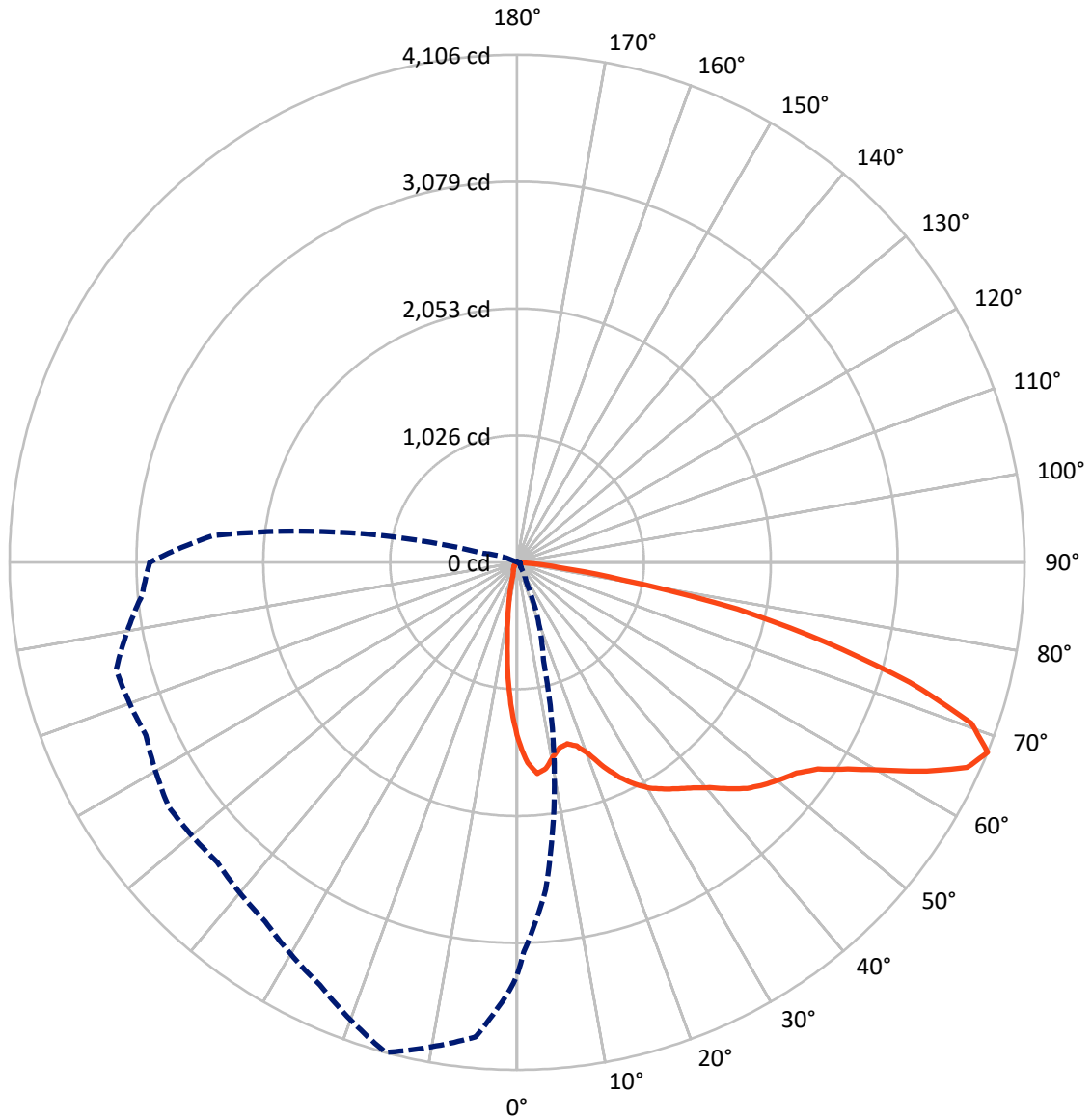
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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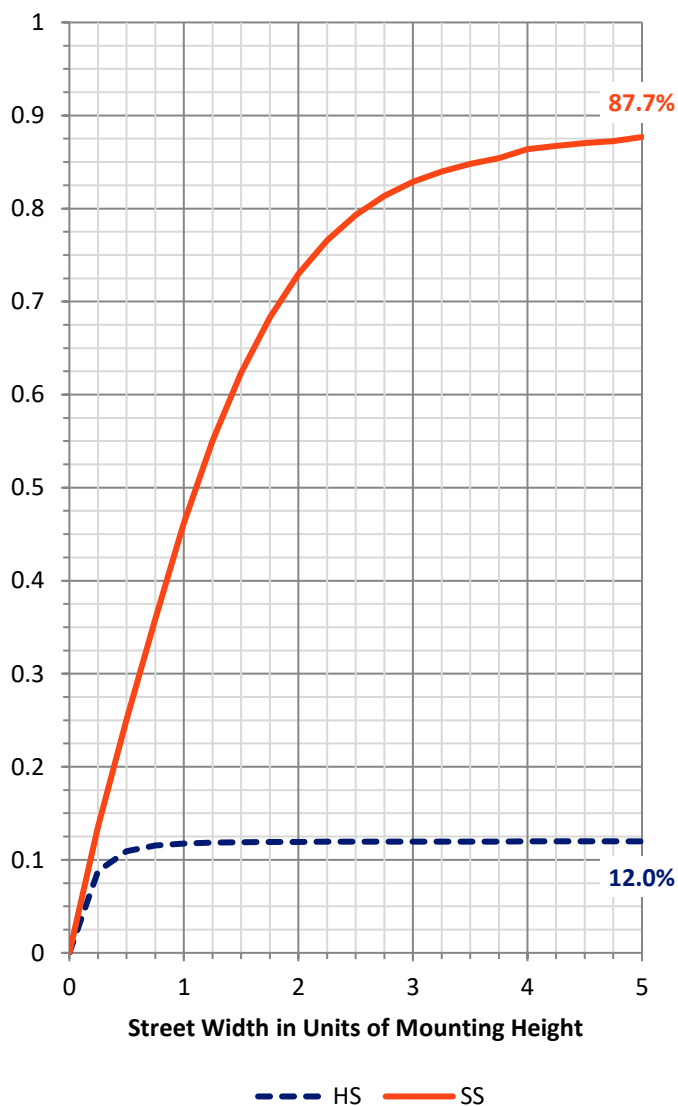
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	536.9	0.0	536.9
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	3899.1	0.0	3899.1
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	4436.0	0.0	4436.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.9	2.5
10°-20°	220.8	5.0
20°-30°	313.5	7.1
30°-40°	463.0	10.4
40°-50°	667.8	15.1
50°-60°	937.4	21.1
60°-70°	1092.7	24.6
70°-80°	558.6	12.6
80°-90°	71.3	1.6
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°	4436.0	100.0
0°-180°	4436.0	100.0

**Coefficient of Utilization**

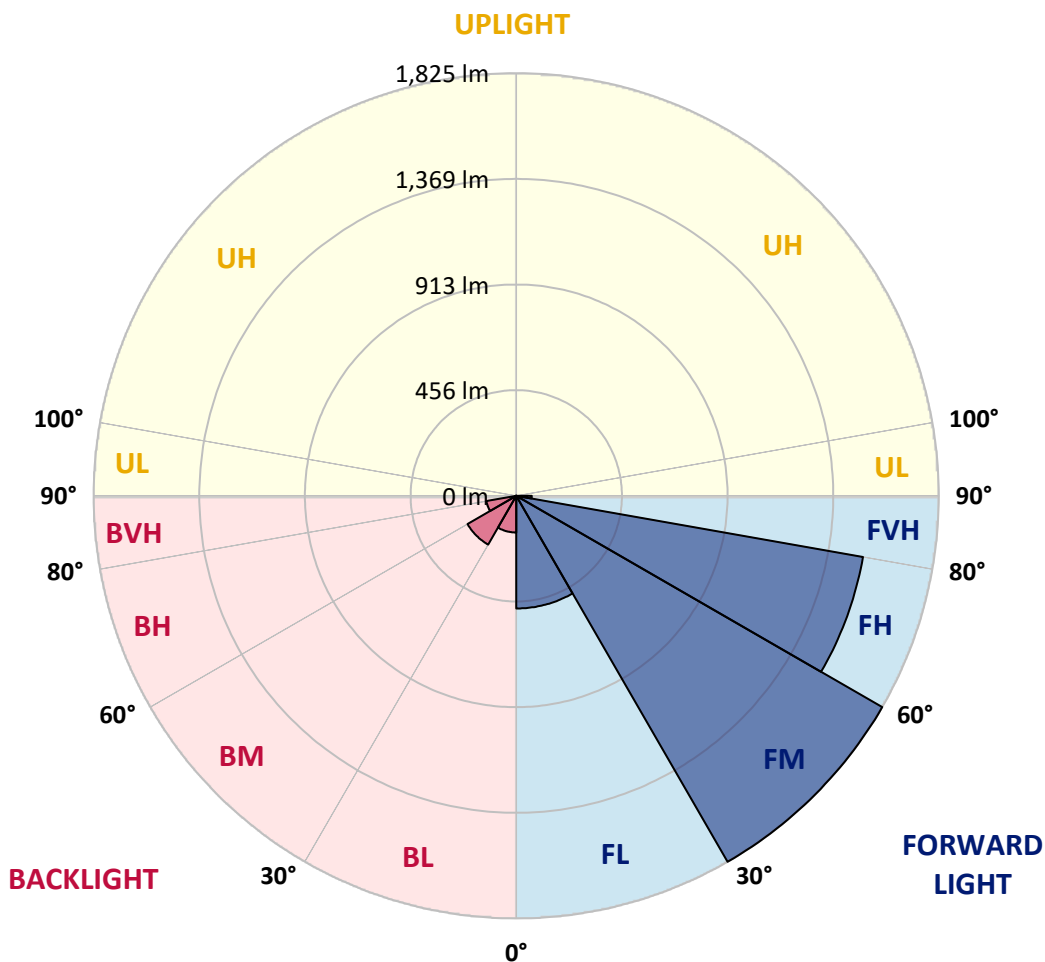


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	486.5	11.0			
FM (30°-60°)	1825.0	41.1			
FH (60°-80°)	1520.5	34.3			G1/1800
FVH (80°-90°)	67.0	1.5			G1/100
BL (0°-30°)	158.6	3.6	B1/500		
BM (30°-60°)	243.1	5.5	B1/1000		
BH (60°-80°)	130.9	2.9	B1/500		G1/500
BVH (80°-90°)	4.3	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-G1**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0
2.5°	1582.2	1570.1	1556.6	1512.7	1471.9	1425.3	1387.2	1360.7	1327.5	1284.5	1273.5
5°	1570.9	1557.9	1515.6	1417.9	1332.4	1249.2	1168.9	1121.8	1063.4	1004.1	989.4
7.5°	1456.8	1443.1	1382.2	1248.3	1133.2	1012.9	908.7	844.2	778.2	724.0	695.2
10°	1338.1	1323.1	1254.6	1092.2	950.3	841.7	765.2	703.6	641.2	583.2	536.9
12.5°	1256.3	1236.8	1162.4	978.3	854.7	780.9	709.5	635.7	551.2	489.0	438.2
15°	1222.0	1199.8	1121.2	934.3	820.9	734.3	641.2	550.6	451.6	380.4	333.7
17.5°	1248.5	1219.5	1135.3	931.4	778.4	660.5	542.8	436.5	329.1	257.0	223.8
20°	1338.5	1300.4	1193.5	930.6	726.9	572.9	423.7	303.5	216.9	174.4	157.0
22.5°	1480.1	1429.9	1277.1	937.3	673.8	480.8	306.0	206.2	162.9	140.8	130.5
25°	1651.2	1593.0	1397.5	961.0	627.1	391.3	222.3	162.9	137.4	121.3	112.6
27.5°	1813.8	1766.6	1549.7	995.3	591.0	319.0	180.5	138.1	117.5	106.8	99.8
30°	1976.3	1916.8	1705.8	1036.1	547.5	270.0	158.7	125.9	105.3	93.9	89.5
32.5°	2094.4	2045.0	1828.1	1065.5	501.0	238.1	141.9	115.2	98.4	86.8	80.3
35°	2233.3	2177.4	1933.0	1072.0	471.2	217.9	127.6	103.6	85.3	75.0	68.1
37.5°	2383.4	2313.8	2054.0	1057.7	447.8	208.1	116.8	98.4	79.6	69.1	61.8
40°	2549.4	2470.8	2170.3	1037.1	424.9	204.7	108.6	94.4	75.2	64.5	57.0
42.5°	2724.2	2631.5	2270.9	1015.5	410.4	193.1	107.8	90.4	71.9	60.3	52.7
45°	2871.1	2777.2	2374.3	1008.3	400.1	180.5	111.4	87.6	69.6	57.0	49.6
47.5°	2988.2	2899.3	2480.2	1024.3	394.2	169.0	101.5	91.2	68.3	54.0	46.9
50°	3127.9	3027.3	2629.4	1072.0	385.6	157.4	91.8	104.4	68.3	52.1	44.6
52.5°	3303.2	3203.6	2795.9	1146.0	368.4	141.4	82.6	104.7	68.9	49.6	41.6
55°	3523.7	3451.4	3033.6	1227.1	340.9	117.9	71.5	89.9	66.4	45.0	38.9
57.5°	3735.1	3676.0	3250.2	1282.6	304.1	92.0	62.2	72.5	60.7	39.5	34.7
59°	3792.9	3728.3	3329.7	1285.1	276.6	80.3	57.6	59.9	59.5	37.0	32.2
60°	3792.9	3724.3	3352.6	1271.6	256.6	73.8	54.6	53.4	62.0	35.3	30.7
62.5°	3724.1	3627.9	3278.2	1180.6	209.3	62.8	47.7	44.1	55.7	31.7	27.1
65°	3581.2	3441.1	3024.7	1016.1	186.6	57.6	41.2	36.1	38.7	28.0	23.7
67.5°	3342.9	3152.9	2659.3	820.9	177.6	56.1	35.5	30.7	29.2	24.0	20.8
70°	2923.2	2712.5	2215.7	645.4	169.8	55.5	29.8	25.8	23.5	20.2	17.7
72.5°	2127.6	1907.8	1573.0	504.6	165.2	56.7	24.0	21.6	19.3	15.8	13.7
75°	1217.0	1073.0	884.1	333.3	140.8	54.2	18.5	18.1	13.9	11.3	9.5
77.5°	628.8	609.7	529.8	128.0	67.5	23.7	12.2	10.5	8.2	6.9	5.7
80°	271.3	268.4	232.2	37.0	17.9	13.2	6.9	4.4	3.8	2.9	2.3
82.5°	93.7	93.7	82.6	12.4	8.0	6.5	0.8	0.0	0.0	0.0	0.0
85°	18.9	21.2	14.9	0.0	2.7	0.0	0.0	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0
2.5°	1260.3	1234.9	1233.2	1217.2	1197.2	1188.2	1183.0	1192.2	1203.6	1204.8	1221.8
5°	978.3	951.6	962.7	934.3	940.0	934.3	925.1	926.8	931.8	916.1	935.6
7.5°	687.0	666.8	679.6	672.1	682.2	686.2	680.5	672.1	647.3	644.3	661.4
10°	517.8	494.9	481.3	467.0	470.1	476.6	474.5	468.4	452.7	453.5	469.9
12.5°	416.1	390.5	363.4	328.3	319.6	324.5	319.6	316.1	300.9	302.2	316.7
15°	315.7	294.6	266.3	238.1	222.8	224.2	210.8	201.3	191.9	180.5	189.3
17.5°	213.1	200.3	191.9	183.5	165.2	161.0	144.0	125.7	118.5	113.3	117.1
20°	150.9	144.0	140.6	140.2	129.7	124.4	107.8	96.5	92.9	91.8	94.1
22.5°	126.1	121.0	116.2	113.5	108.2	102.1	89.5	83.9	81.3	80.1	81.7
25°	109.7	105.9	100.9	96.3	94.1	87.6	78.6	74.4	72.7	71.5	72.3
27.5°	97.5	94.1	88.3	85.3	83.6	78.0	70.2	66.8	65.4	64.9	64.7
30°	87.8	84.7	79.2	75.9	72.9	67.9	63.3	59.9	58.4	58.0	57.6
32.5°	78.2	75.7	72.1	68.7	65.6	60.9	57.0	54.2	51.9	51.5	51.3
35°	66.0	63.5	61.6	61.4	58.4	54.0	51.1	47.5	45.6	45.0	45.2
37.5°	58.6	55.3	51.1	52.5	51.7	48.5	44.6	41.0	39.1	38.7	38.7
40°	54.0	50.4	45.6	43.1	45.6	45.0	38.7	35.1	33.2	33.0	32.6
42.5°	49.6	46.0	40.6	36.4	37.6	39.5	33.4	30.1	28.2	27.7	27.1
45°	46.4	42.7	36.6	31.7	29.2	33.2	28.6	24.4	23.3	22.5	22.1
47.5°	43.5	39.9	33.0	27.5	23.3	24.0	22.9	20.0	18.7	17.9	17.7
50°	41.0	37.2	29.8	23.5	19.3	17.7	18.5	15.8	14.7	13.9	13.4
52.5°	38.0	34.5	26.5	20.4	16.2	13.9	14.1	12.4	11.3	10.7	10.5
55°	35.7	32.2	23.7	17.9	14.3	11.3	10.1	9.7	9.0	8.6	8.4
57.5°	32.6	29.2	21.0	15.1	12.2	9.2	7.8	7.8	7.6	7.1	6.9
59°	30.7	27.7	19.3	13.7	11.1	8.0	6.9	7.1	6.9	6.5	6.3
60°	29.2	26.5	18.1	12.6	10.5	7.4	6.3	6.7	6.5	6.1	5.9
62.5°	25.8	24.0	15.6	10.5	9.2	5.9	5.3	5.7	5.7	5.5	5.3
65°	22.7	20.6	13.2	8.8	8.6	5.0	4.2	5.0	5.3	4.8	4.4
67.5°	19.8	17.7	11.6	7.1	8.0	4.0	3.2	4.2	5.7	4.4	4.0
70°	16.8	14.7	9.0	5.7	8.4	2.7	2.5	3.8	6.7	4.8	3.8
72.5°	13.0	11.3	6.3	4.2	9.0	1.9	1.9	3.2	7.6	5.3	3.6
75°	9.0	7.4	3.8	2.5	7.4	1.3	1.3	2.9	7.1	4.8	3.4
77.5°	5.3	4.0	1.3	0.2	3.8	0.0	0.2	2.1	5.0	2.9	1.5
80°	1.9	0.8	0.0	0.0	2.3	0.0	0.0	0.0	0.4	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0
2.5°	1226.2	1254.6	1280.0	1318.5	1364.1	1416.6	1461.8	1510.4	1556.0	1574.9	1587.9
5°	939.6	974.7	1015.7	1072.2	1147.4	1240.1	1326.9	1425.1	1530.6	1583.3	1632.9
7.5°	664.3	700.0	750.9	811.0	902.0	1012.3	1125.8	1261.3	1404.2	1487.7	1569.9
10°	477.7	521.6	569.1	651.3	743.7	848.4	965.2	1116.5	1275.8	1368.3	1467.3
12.5°	325.1	375.1	447.0	539.0	647.7	750.2	851.8	996.1	1181.1	1272.7	1378.8
15°	195.0	222.8	298.8	405.4	538.6	666.4	777.6	922.4	1119.5	1231.7	1342.0
17.5°	120.2	133.0	174.4	261.9	401.8	563.4	715.8	897.4	1128.3	1264.9	1383.0
20°	95.8	100.9	114.1	154.7	266.3	449.9	646.2	892.3	1200.4	1368.5	1495.2
22.5°	83.2	88.1	96.9	112.4	167.5	336.9	580.2	896.9	1303.8	1523.8	1671.8
25°	73.3	77.5	86.0	98.8	122.7	237.3	509.6	917.5	1438.5	1716.5	1873.7
27.5°	65.6	69.1	76.9	88.7	105.3	165.6	429.6	942.5	1598.2	1913.7	2068.8
30°	58.4	61.6	68.5	79.4	91.4	127.4	341.7	959.6	1758.1	2068.8	2208.1
32.5°	52.3	54.6	60.9	70.2	79.4	101.5	259.8	956.8	1876.9	2197.8	2308.3
35°	46.0	48.3	53.8	61.8	69.1	83.9	204.3	905.8	1980.3	2331.7	2423.1
37.5°	39.1	42.0	47.3	54.4	59.5	73.8	165.2	844.2	2085.1	2484.7	2551.1
40°	33.2	36.1	40.8	48.5	51.7	70.0	126.9	769.2	2203.0	2655.7	2691.4
42.5°	27.5	30.3	35.1	41.8	48.8	60.3	93.9	683.4	2316.3	2802.0	2819.4
45°	22.3	25.0	30.1	36.8	52.1	50.0	72.7	591.6	2407.7	2923.7	2929.3
47.5°	17.7	20.2	25.4	34.7	48.5	39.9	51.9	519.5	2484.4	3018.7	3003.7
50°	13.7	15.8	21.2	39.7	42.5	33.0	39.3	495.5	2553.2	3077.5	3038.8
52.5°	10.7	12.6	17.4	37.2	33.0	27.3	33.0	518.0	2647.3	3126.3	3058.6
55°	8.6	10.5	13.7	21.2	22.5	23.1	28.2	539.0	2809.8	3240.6	3175.2
57.5°	7.1	9.0	11.1	14.9	17.0	19.5	25.0	541.4	3001.2	3430.6	3368.8
59°	6.5	8.2	10.1	13.2	14.9	17.9	23.5	528.7	3068.7	3499.7	3468.8
60°	6.1	7.8	9.5	12.2	13.9	16.8	22.7	516.8	3071.6	3497.2	3511.5
62.5°	5.3	6.9	8.4	10.3	11.8	14.3	20.4	472.4	2947.2	3382.6	3485.8
65°	4.6	6.1	7.6	8.8	10.1	12.8	18.5	391.5	2734.7	3197.9	3310.3
67.5°	4.2	5.3	6.9	7.8	9.0	11.3	16.4	279.1	2469.3	2972.0	3044.9
70°	3.8	5.0	6.3	7.1	8.2	9.9	14.1	160.3	2085.1	2641.2	2693.1
72.5°	3.6	4.8	5.7	6.7	7.4	8.8	12.8	75.4	1526.8	2115.8	2251.4
75°	3.2	4.4	5.3	6.3	6.9	8.0	10.9	36.1	1015.5	1531.2	1685.2
77.5°	1.9	3.6	4.8	5.7	6.1	6.9	9.0	20.8	648.1	1059.8	1248.3
80°	0.0	1.3	3.6	4.8	5.3	5.9	6.9	16.4	346.8	605.5	726.7
82.5°	0.0	0.0	2.5	3.8	3.6	4.0	5.3	10.3	156.4	395.7	445.9
85°	0.0	0.0	0.8	2.9	2.5	1.9	3.6	3.6	34.3	200.3	249.9
87.5°	0.0	0.0	0.0	0.2	1.3	0.8	1.5	0.4	0.2	14.9	60.5
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°	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0
2.5°	1633.5	1649.1	1675.3	1687.7	1681.7	1655.8	1624.9	1593.4	1574.9	1582.2
5°	1734.0	1814.0	1860.3	1875.6	1850.0	1792.0	1716.1	1616.1	1580.6	1570.9
7.5°	1734.0	1884.7	1980.1	1996.9	1939.7	1826.0	1683.8	1527.6	1475.7	1456.8
10°	1673.0	1878.1	2011.2	2037.9	1958.0	1788.0	1597.4	1419.2	1357.6	1338.1
12.5°	1604.3	1825.2	1965.4	2002.1	1936.6	1750.2	1537.5	1345.8	1273.3	1256.3
15°	1562.1	1760.0	1876.0	1902.7	1875.0	1728.1	1523.2	1323.8	1238.4	1222.0
17.5°	1577.2	1709.6	1751.4	1767.0	1785.7	1720.3	1562.1	1372.1	1264.1	1248.5
20°	1634.2	1656.4	1634.8	1654.3	1704.8	1727.9	1654.8	1488.9	1359.3	1338.5
22.5°	1730.8	1628.9	1568.2	1575.9	1637.3	1752.9	1796.4	1655.8	1506.2	1480.1
25°	1843.5	1651.2	1531.2	1524.2	1587.3	1785.9	1925.9	1837.4	1680.0	1651.2
27.5°	1985.1	1701.2	1523.6	1516.7	1569.9	1816.8	2033.4	2016.8	1863.0	1813.8
30°	2094.4	1750.4	1546.1	1530.1	1587.3	1838.2	2119.8	2169.2	2008.9	1976.3
32.5°	2172.8	1808.4	1582.7	1559.6	1636.5	1875.2	2186.4	2308.8	2143.8	2094.4
35°	2232.5	1871.4	1641.7	1603.7	1704.1	1931.3	2248.9	2457.3	2287.3	2233.3
37.5°	2288.4	1959.9	1734.0	1688.6	1810.3	2021.7	2314.8	2625.9	2447.9	2383.4
40°	2366.3	2060.1	1876.3	1835.9	1988.7	2144.8	2397.2	2801.6	2630.5	2549.4
42.5°	2444.3	2167.7	2021.9	2032.8	2211.2	2294.5	2503.6	2987.3	2810.8	2724.2
45°	2515.5	2278.7	2229.3	2279.8	2417.8	2458.6	2609.3	3094.7	2954.8	2871.1
47.5°	2579.0	2417.4	2435.5	2569.8	2652.8	2607.2	2688.3	3187.4	3061.9	2988.2
50°	2652.8	2596.9	2707.2	2897.2	2923.2	2741.7	2760.2	3297.1	3187.2	3127.9
52.5°	2733.5	2786.0	3008.1	3175.6	3167.2	2887.7	2832.5	3420.0	3358.9	3303.2
55°	2825.1	2938.8	3273.1	3436.2	3429.1	3050.8	2952.2	3572.0	3574.1	3523.7
57.5°	2961.1	3070.3	3453.0	3647.0	3659.0	3239.1	3155.3	3742.2	3768.7	3735.1
59°	3058.6	3155.7	3524.3	3735.1	3783.8	3384.7	3303.6	3841.0	3823.5	3792.9
60°	3130.9	3209.9	3559.6	3781.1	3856.3	3483.5	3413.1	3899.0	3830.1	3792.9
62.5°	3309.7	3328.0	3623.3	3833.2	3939.8	3702.9	3721.2	3997.8	3784.9	3724.1
65°	3393.1	3402.6	3622.4	3739.9	3859.1	3873.8	4000.7	4000.7	3674.5	3581.2
67.5°	3358.3	3312.7	3442.7	3430.6	3549.5	3772.3	4105.8	3854.0	3463.5	3342.9
70°	3074.6	2899.1	2841.3	2846.5	2937.5	3281.1	3897.7	3422.4	3064.3	2923.2
72.5°	2558.2	2137.3	1994.6	2157.4	2181.2	2521.6	3321.7	2577.3	2259.8	2127.6
75°	2057.6	1506.6	1274.6	1446.5	1486.8	1845.4	2569.6	1605.2	1320.0	1217.0
77.5°	1478.2	1081.5	914.6	902.6	954.7	1170.3	1823.3	807.8	673.8	628.8
80°	839.8	711.8	766.4	723.1	749.4	731.8	866.3	354.3	290.2	271.3
82.5°	506.9	420.7	455.6	379.3	480.0	418.0	333.7	113.5	98.6	93.7
85°	329.7	229.9	119.8	80.3	165.4	267.1	74.6	30.9	23.7	18.9
87.5°	113.7	58.6	5.9	2.5	17.7	49.8	2.7	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

(END OF REPORT)