

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P385944

Luminaire Tested: GAW-SA1C-740-U-SLR-HSS

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P385944  
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  
Product Line: STREETWORKS  
Catalog Number: GAW-SA1C-740-U-SLR-HSS  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 4000K, 1050mA 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: 5601 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

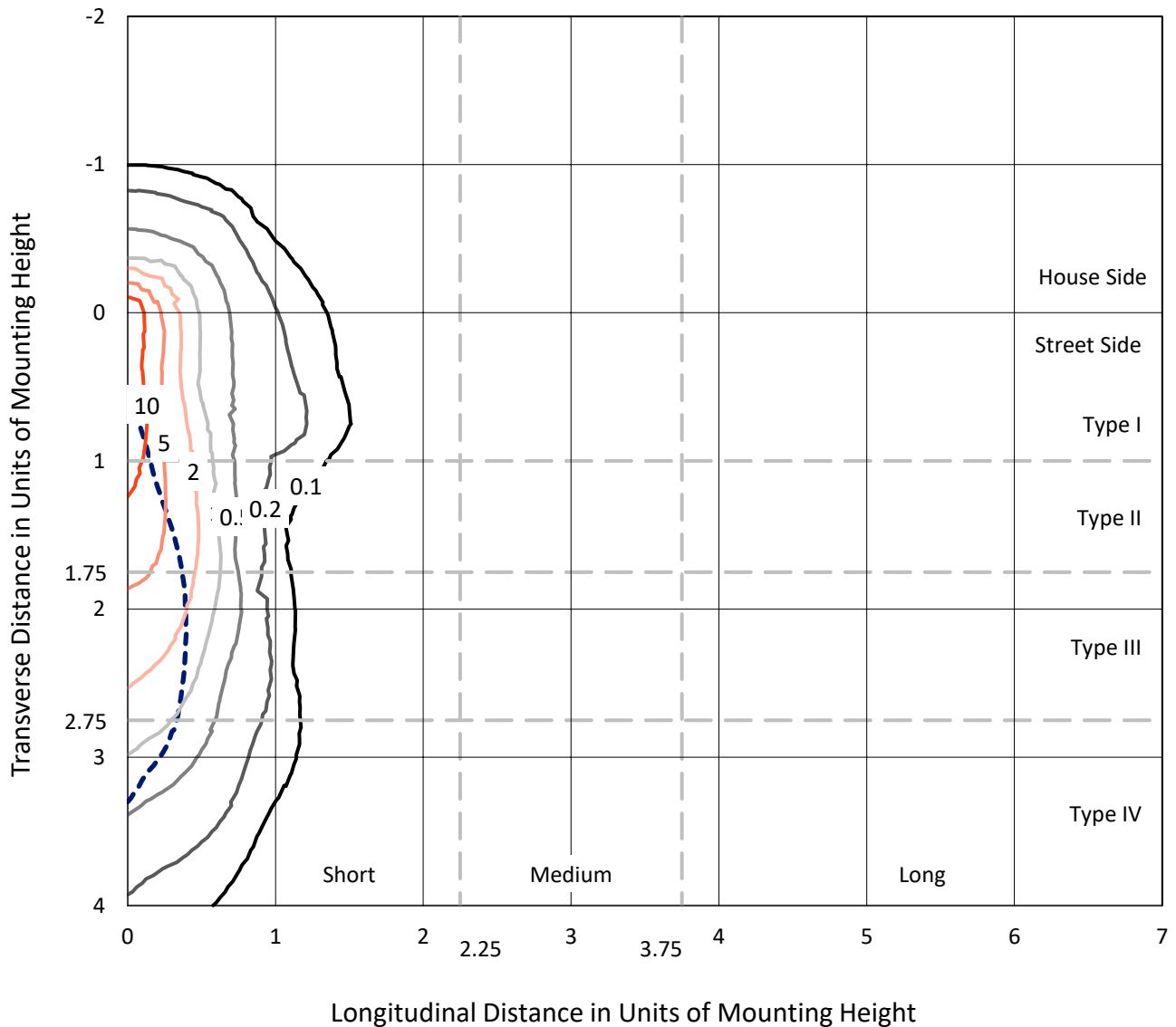
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

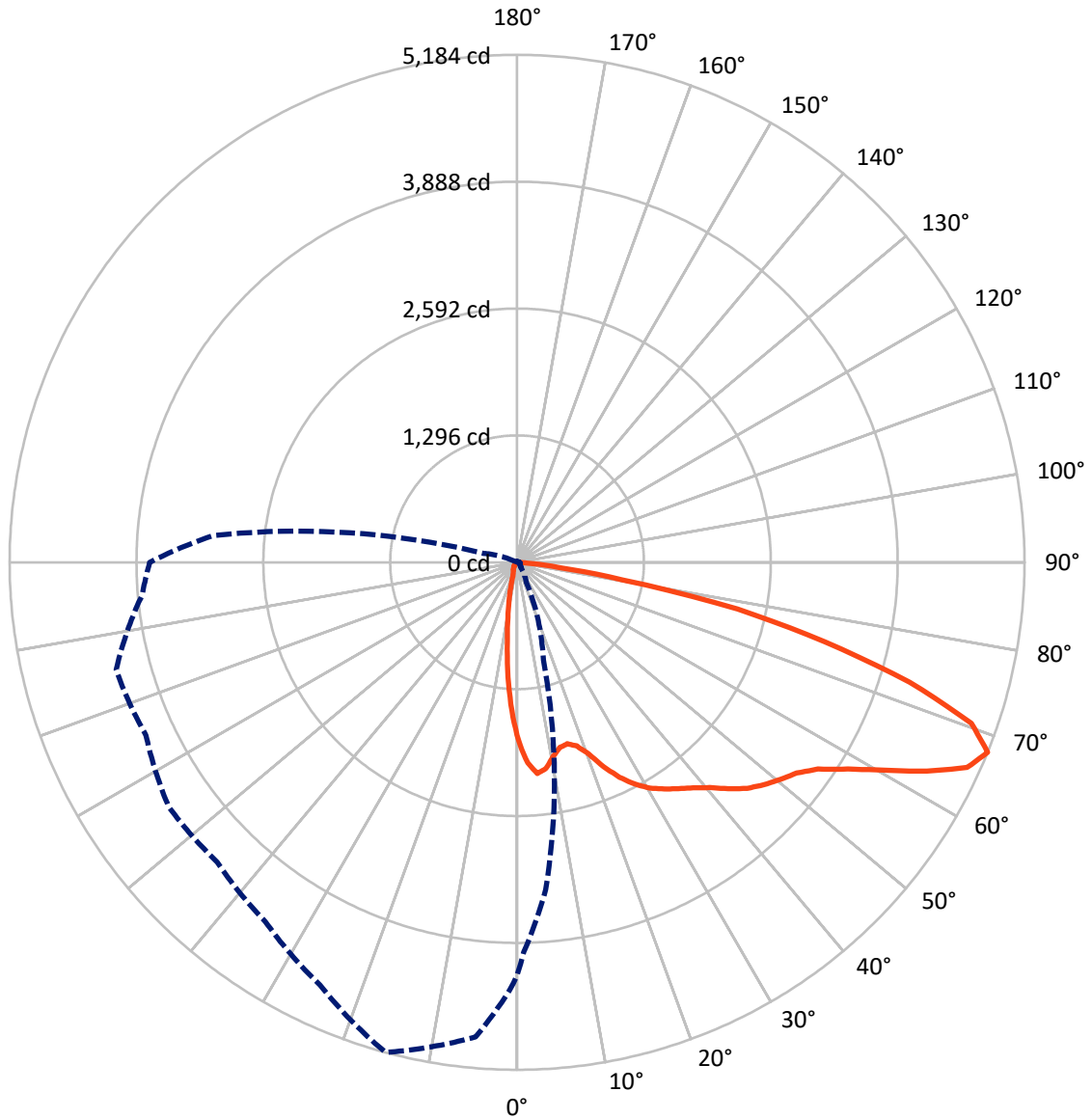
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.2 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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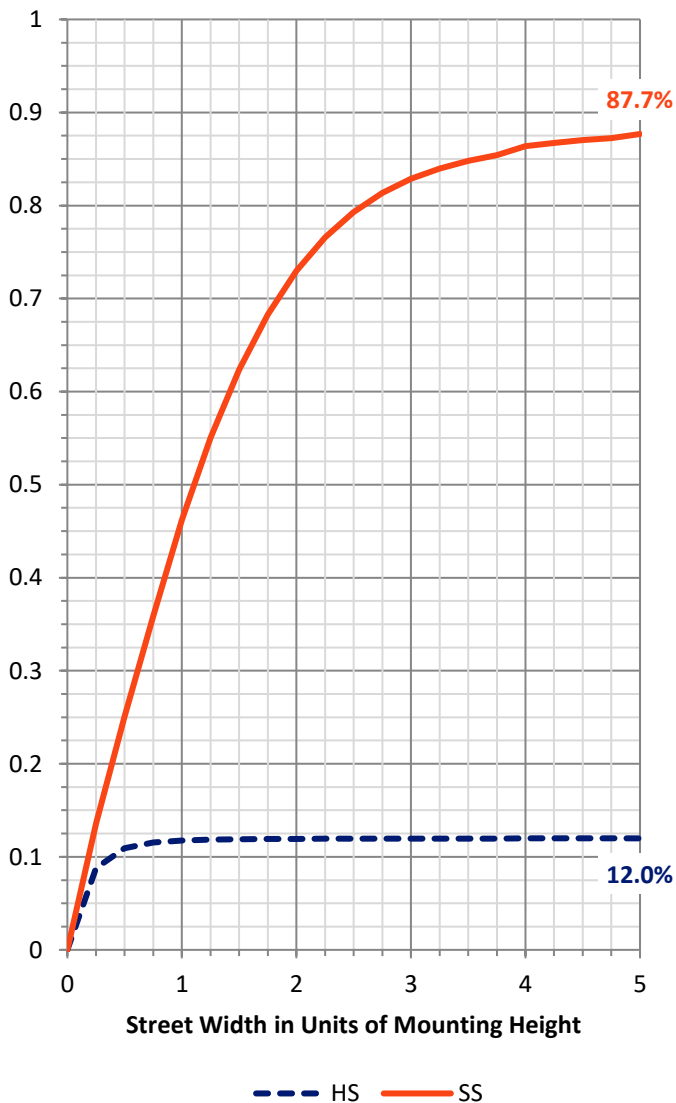
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	677.9	0.0	677.9
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	4923.1	0.0	4923.1
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	5601.0	0.0	5601.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.0	2.5
10°-20°	278.7	5.0
20°-30°	395.8	7.1
30°-40°	584.6	10.4
40°-50°	843.1	15.1
50°-60°	1183.6	21.1
60°-70°	1379.7	24.6
70°-80°	705.3	12.6
80°-90°	90.1	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°	5601.0	100.0
0°-180°	5601.0	100.0

**Coefficient of Utilization**

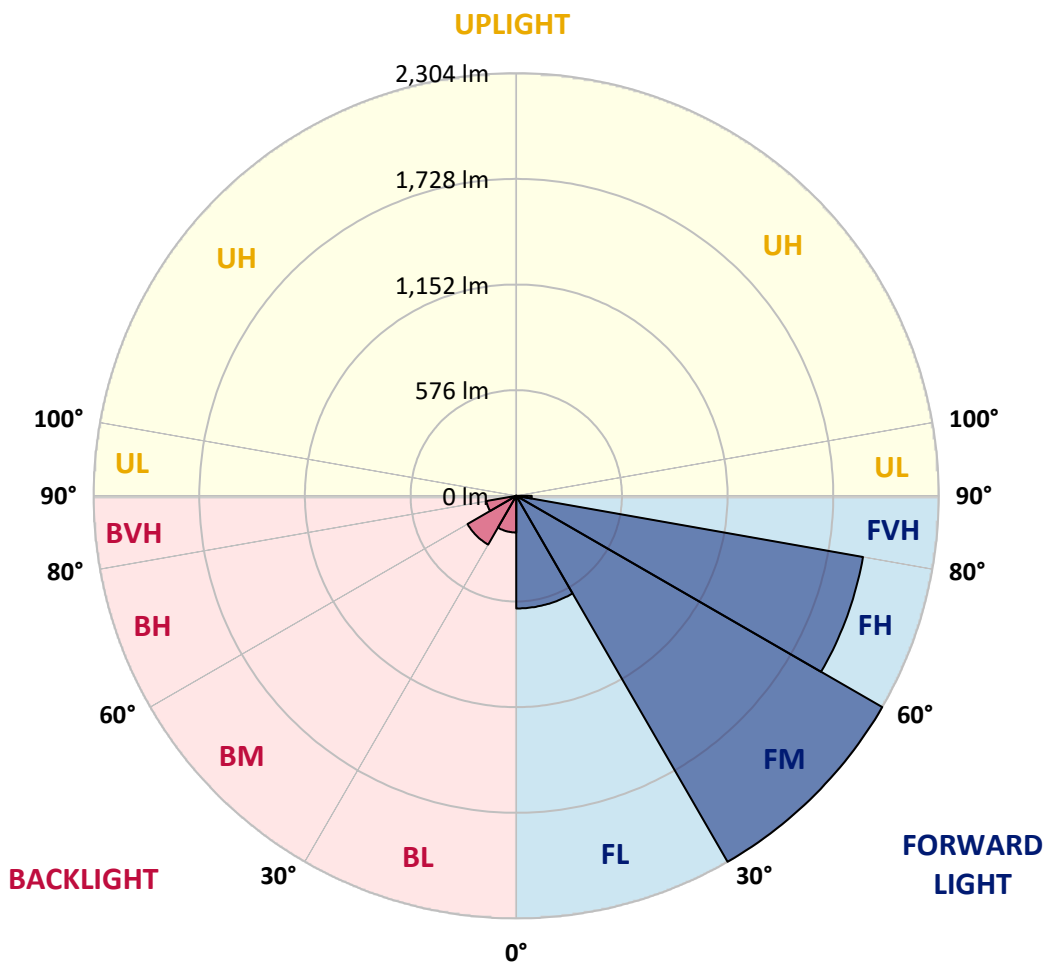


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	614.3	11.0			
FM (30°-60°)	2304.3	41.1			
FH (60°-80°)	1919.8	34.3			G2/5000
FVH (80°-90°)	84.6	1.5			G1/100
BL (0°-30°)	200.2	3.6	B1/500		
BM (30°-60°)	307.0	5.5	B1/1000		
BH (60°-80°)	165.2	2.9	B1/500		G1/500
BVH (80°-90°)	5.5	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-G2**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5
2.5°	1997.8	1982.4	1965.4	1910.0	1858.5	1799.6	1751.5	1718.1	1676.2	1621.8	1608.0
5°	1983.5	1967.0	1913.7	1790.3	1682.3	1577.2	1475.9	1416.4	1342.6	1267.8	1249.2
7.5°	1839.4	1822.1	1745.2	1576.2	1430.7	1279.0	1147.4	1065.9	982.6	914.1	877.8
10°	1689.5	1670.6	1584.1	1379.0	1199.9	1062.7	966.1	888.4	809.6	736.3	678.0
12.5°	1586.2	1561.6	1467.6	1235.2	1079.2	986.0	895.8	802.7	696.0	617.5	553.2
15°	1543.0	1514.9	1415.6	1179.7	1036.4	927.1	809.6	695.2	570.2	480.3	421.4
17.5°	1576.4	1539.8	1433.4	1176.0	982.8	834.0	685.4	551.1	415.5	324.5	282.6
20°	1690.0	1642.0	1506.9	1174.9	917.8	723.3	534.9	383.2	273.8	220.2	198.2
22.5°	1868.8	1805.4	1612.5	1183.4	850.7	607.1	386.3	260.3	205.6	177.8	164.8
25°	2084.8	2011.3	1764.5	1213.4	791.8	494.1	280.7	205.6	173.5	153.1	142.2
27.5°	2290.2	2230.5	1956.7	1256.7	746.2	402.8	227.9	174.3	148.3	134.8	126.0
30°	2495.3	2420.2	2153.8	1308.2	691.2	341.0	200.3	158.9	132.9	118.6	113.0
32.5°	2644.4	2582.1	2308.2	1345.3	632.6	300.6	179.1	145.4	124.2	109.6	101.4
35°	2819.8	2749.2	2440.6	1353.5	594.9	275.2	161.1	130.8	107.7	94.7	86.0
37.5°	3009.3	2921.5	2593.5	1335.5	565.5	262.7	147.5	124.2	100.6	87.3	78.0
40°	3218.9	3119.7	2740.2	1309.5	536.5	258.4	137.2	119.1	95.0	81.5	71.9
42.5°	3439.7	3322.7	2867.3	1282.1	518.2	243.9	136.1	114.1	90.7	76.2	66.6
45°	3625.1	3506.5	2997.9	1273.1	505.2	227.9	140.6	110.6	87.8	71.9	62.6
47.5°	3772.9	3660.7	3131.6	1293.3	497.8	213.3	128.2	115.2	86.2	68.2	59.2
50°	3949.4	3822.3	3320.0	1353.5	486.9	198.7	116.0	131.9	86.2	65.8	56.3
52.5°	4170.7	4044.9	3530.2	1446.9	465.2	178.6	104.3	132.1	87.0	62.6	52.5
55°	4449.0	4357.8	3830.3	1549.4	430.4	148.9	90.2	113.6	83.8	56.8	49.1
57.5°	4716.0	4641.4	4103.8	1619.4	384.0	116.2	78.5	91.5	76.7	49.9	43.8
59°	4789.0	4707.5	4204.1	1622.6	349.2	101.4	72.7	75.6	75.1	46.7	40.6
60°	4789.0	4702.5	4233.1	1605.6	324.0	93.1	69.0	67.4	78.3	44.6	38.7
62.5°	4702.2	4580.7	4139.1	1490.7	264.3	79.3	60.2	55.7	70.3	40.1	34.2
65°	4521.8	4344.8	3819.1	1282.9	235.6	72.7	52.0	45.6	48.8	35.3	30.0
67.5°	4220.9	3981.0	3357.7	1036.4	224.2	70.8	44.8	38.7	36.9	30.2	26.3
70°	3691.0	3424.8	2797.5	814.9	214.4	70.1	37.7	32.6	29.7	25.5	22.3
72.5°	2686.4	2408.8	1986.1	637.1	208.6	71.6	30.2	27.3	24.4	19.9	17.2
75°	1536.6	1354.9	1116.3	420.8	177.8	68.5	23.4	22.8	17.5	14.3	11.9
77.5°	793.9	769.8	668.9	161.6	85.2	30.0	15.4	13.3	10.3	8.8	7.2
80°	342.6	338.8	293.2	46.7	22.6	16.7	8.8	5.6	4.8	3.7	2.9
82.5°	118.3	118.3	104.3	15.7	10.1	8.2	1.1	0.0	0.0	0.0	0.0
85°	23.9	26.8	18.8	0.0	3.4	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°	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5
2.5°	1591.3	1559.2	1557.0	1536.9	1511.7	1500.3	1493.6	1505.3	1519.6	1521.2	1542.7
5°	1235.2	1201.5	1215.5	1179.7	1186.9	1179.7	1168.1	1170.2	1176.5	1156.6	1181.3
7.5°	867.4	841.9	858.1	848.6	861.3	866.4	859.2	848.6	817.3	813.5	835.0
10°	653.8	624.9	607.6	589.6	593.6	601.8	599.2	591.5	571.6	572.6	593.3
12.5°	525.4	493.0	458.8	414.5	403.6	409.7	403.6	399.1	380.0	381.6	399.9
15°	398.5	372.0	336.2	300.6	281.3	283.1	266.1	254.2	242.3	227.9	239.1
17.5°	269.1	252.9	242.3	231.6	208.6	203.3	181.8	158.7	149.7	143.0	147.8
20°	190.5	181.8	177.5	177.0	163.7	157.1	136.1	121.8	117.3	116.0	118.9
22.5°	159.2	152.8	146.7	143.3	136.7	129.0	113.0	105.9	102.7	101.1	103.2
25°	138.5	133.7	127.4	121.5	118.9	110.6	99.2	93.9	91.8	90.2	91.3
27.5°	123.1	118.9	111.4	107.7	105.6	98.4	88.6	84.4	82.5	82.0	81.7
30°	110.9	106.9	100.0	95.8	92.1	85.7	79.9	75.6	73.8	73.2	72.7
32.5°	98.7	95.5	91.0	86.8	82.8	77.0	71.9	68.5	65.5	65.0	64.7
35°	83.3	80.1	77.7	77.5	73.8	68.2	64.5	60.0	57.6	56.8	57.0
37.5°	74.0	69.8	64.5	66.3	65.3	61.3	56.3	51.7	49.4	48.8	48.8
40°	68.2	63.7	57.6	54.4	57.6	56.8	48.8	44.3	41.9	41.7	41.1
42.5°	62.6	58.1	51.2	45.9	47.5	49.9	42.2	37.9	35.6	35.0	34.2
45°	58.6	53.9	46.2	40.1	36.9	41.9	36.1	30.8	29.5	28.4	27.9
47.5°	54.9	50.4	41.7	34.8	29.5	30.2	28.9	25.2	23.6	22.6	22.3
50°	51.7	47.0	37.7	29.7	24.4	22.3	23.4	19.9	18.6	17.5	17.0
52.5°	48.0	43.5	33.4	25.7	20.4	17.5	17.8	15.7	14.3	13.5	13.3
55°	45.1	40.6	30.0	22.6	18.0	14.3	12.7	12.2	11.4	10.9	10.6
57.5°	41.1	36.9	26.5	19.1	15.4	11.7	9.8	9.8	9.6	9.0	8.8
59°	38.7	35.0	24.4	17.2	14.1	10.1	8.8	9.0	8.8	8.2	8.0
60°	36.9	33.4	22.8	15.9	13.3	9.3	8.0	8.5	8.2	7.7	7.4
62.5°	32.6	30.2	19.6	13.3	11.7	7.4	6.6	7.2	7.2	6.9	6.6
65°	28.7	26.0	16.7	11.1	10.9	6.4	5.3	6.4	6.6	6.1	5.6
67.5°	24.9	22.3	14.6	9.0	10.1	5.0	4.0	5.3	7.2	5.6	5.0
70°	21.2	18.6	11.4	7.2	10.6	3.4	3.2	4.8	8.5	6.1	4.8
72.5°	16.5	14.3	8.0	5.3	11.4	2.4	2.4	4.0	9.6	6.6	4.5
75°	11.4	9.3	4.8	3.2	9.3	1.6	1.6	3.7	9.0	6.1	4.2
77.5°	6.6	5.0	1.6	0.3	4.8	0.0	0.3	2.7	6.4	3.7	1.9
80°	2.4	1.1	0.0	0.0	2.9	0.0	0.0	0.0	0.5	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°	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5
2.5°	1548.3	1584.1	1616.2	1664.8	1722.4	1788.7	1845.7	1907.0	1964.6	1988.5	2005.0
5°	1186.4	1230.7	1282.4	1353.8	1448.8	1565.8	1675.4	1799.3	1932.5	1999.1	2061.7
7.5°	838.8	883.9	948.1	1024.0	1138.9	1278.2	1421.5	1592.6	1773.0	1878.4	1982.1
10°	603.1	658.6	718.6	822.3	939.1	1071.2	1218.7	1409.8	1610.9	1727.7	1852.6
12.5°	410.5	473.6	564.4	680.6	817.8	947.3	1075.4	1257.7	1491.2	1606.9	1740.9
15°	246.2	281.3	377.3	511.9	680.1	841.4	981.8	1164.6	1413.5	1555.2	1694.5
17.5°	151.8	168.0	220.2	330.6	507.3	711.4	903.8	1133.0	1424.6	1597.1	1746.2
20°	121.0	127.4	144.1	195.3	336.2	568.1	815.9	1126.7	1515.7	1727.9	1887.9
22.5°	105.1	111.2	122.3	142.0	211.5	425.3	732.6	1132.5	1646.2	1924.0	2110.8
25°	92.6	97.9	108.5	124.7	155.0	299.6	643.5	1158.5	1816.3	2167.3	2365.8
27.5°	82.8	87.3	97.1	112.0	132.9	209.1	542.4	1190.1	2018.0	2416.2	2612.1
30°	73.8	77.7	86.5	100.3	115.4	160.8	431.5	1211.6	2219.9	2612.1	2788.0
32.5°	66.1	69.0	77.0	88.6	100.3	128.2	328.0	1208.1	2369.8	2775.0	2914.6
35°	58.1	61.0	67.9	78.0	87.3	105.9	257.9	1143.6	2500.4	2944.0	3059.4
37.5°	49.4	53.1	59.7	68.7	75.1	93.1	208.6	1065.9	2632.8	3137.2	3221.0
40°	41.9	45.6	51.5	61.3	65.3	88.4	160.3	971.2	2781.6	3353.2	3398.3
42.5°	34.8	38.2	44.3	52.8	61.6	76.2	118.6	862.9	2924.6	3537.9	3559.9
45°	28.1	31.6	37.9	46.4	65.8	63.2	91.8	746.9	3040.1	3691.5	3698.7
47.5°	22.3	25.5	32.1	43.8	61.3	50.4	65.5	655.9	3136.9	3811.4	3792.6
50°	17.2	19.9	26.8	50.2	53.6	41.7	49.6	625.7	3223.7	3885.7	3836.9
52.5°	13.5	15.9	22.0	47.0	41.7	34.5	41.7	654.1	3342.6	3947.3	3861.8
55°	10.9	13.3	17.2	26.8	28.4	29.2	35.6	680.6	3547.7	4091.6	4009.1
57.5°	9.0	11.4	14.1	18.8	21.5	24.7	31.6	683.5	3789.4	4331.5	4253.5
59°	8.2	10.3	12.7	16.7	18.8	22.6	29.7	667.6	3874.6	4418.8	4379.8
60°	7.7	9.8	11.9	15.4	17.5	21.2	28.7	652.5	3878.3	4415.6	4433.7
62.5°	6.6	8.8	10.6	13.0	14.9	18.0	25.7	596.5	3721.2	4271.0	4401.3
65°	5.8	7.7	9.6	11.1	12.7	16.2	23.4	494.3	3452.9	4037.8	4179.7
67.5°	5.3	6.6	8.8	9.8	11.4	14.3	20.7	352.4	3117.8	3752.5	3844.6
70°	4.8	6.4	8.0	9.0	10.3	12.5	17.8	202.5	2632.8	3334.9	3400.4
72.5°	4.5	6.1	7.2	8.5	9.3	11.1	16.2	95.3	1927.7	2671.5	2842.6
75°	4.0	5.6	6.6	8.0	8.8	10.1	13.8	45.6	1282.1	1933.3	2127.8
77.5°	2.4	4.5	6.1	7.2	7.7	8.8	11.4	26.3	818.3	1338.1	1576.2
80°	0.0	1.6	4.5	6.1	6.6	7.4	8.8	20.7	437.8	764.5	917.6
82.5°	0.0	0.0	3.2	4.8	4.5	5.0	6.6	13.0	197.4	499.6	563.1
85°	0.0	0.0	1.1	3.7	3.2	2.4	4.5	4.5	43.3	252.9	315.5
87.5°	0.0	0.0	0.0	0.3	1.6	1.1	1.9	0.5	0.3	18.8	76.4
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°	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5
2.5°	2062.5	2082.2	2115.3	2131.0	2123.3	2090.7	2051.7	2011.8	1988.5	1997.8
5°	2189.4	2290.5	2348.8	2368.2	2335.8	2262.6	2166.8	2040.5	1995.7	1983.5
7.5°	2189.4	2379.6	2500.1	2521.3	2449.1	2305.6	2125.9	1928.8	1863.3	1839.4
10°	2112.4	2371.4	2539.4	2573.1	2472.2	2257.6	2016.9	1791.9	1714.1	1689.5
12.5°	2025.6	2304.5	2481.5	2527.9	2445.2	2209.8	1941.3	1699.3	1607.7	1586.2
15°	1972.3	2222.3	2368.7	2402.4	2367.4	2181.9	1923.2	1671.4	1563.7	1543.0
17.5°	1991.4	2158.6	2211.4	2231.0	2254.6	2172.1	1972.3	1732.4	1596.1	1576.4
20°	2063.3	2091.5	2064.1	2088.8	2152.5	2181.7	2089.3	1880.0	1716.3	1690.0
22.5°	2185.4	2056.7	1980.0	1989.8	2067.3	2213.2	2268.2	2090.7	1901.7	1868.8
25°	2327.6	2084.8	1933.3	1924.6	2004.2	2254.9	2431.6	2319.9	2121.2	2084.8
27.5°	2506.5	2148.0	1923.8	1915.0	1982.1	2293.9	2567.5	2546.5	2352.3	2290.2
30°	2644.4	2210.1	1952.1	1932.0	2004.2	2321.0	2676.5	2738.9	2536.4	2495.3
32.5°	2743.4	2283.3	1998.3	1969.1	2066.2	2367.7	2760.7	2915.1	2706.8	2644.4
35°	2818.8	2362.9	2072.9	2024.9	2151.7	2438.5	2839.5	3102.7	2888.0	2819.8
37.5°	2889.3	2474.6	2189.4	2132.1	2285.7	2552.6	2922.8	3315.5	3090.7	3009.3
40°	2987.8	2601.2	2369.0	2318.1	2511.0	2708.1	3026.8	3537.3	3321.3	3218.9
42.5°	3086.2	2737.0	2552.9	2566.7	2792.0	2897.0	3161.1	3771.9	3549.0	3439.7
45°	3176.2	2877.1	2814.8	2878.5	3052.8	3104.3	3294.5	3907.5	3730.8	3625.1
47.5°	3256.3	3052.3	3075.1	3244.6	3349.5	3291.9	3394.3	4024.5	3866.1	3772.9
50°	3349.5	3278.9	3418.2	3658.1	3691.0	3461.7	3485.0	4163.0	4024.2	3949.4
52.5°	3451.3	3517.7	3798.2	4009.6	3999.0	3646.1	3576.3	4318.2	4241.0	4170.7
55°	3567.0	3710.6	4132.8	4338.7	4329.6	3852.0	3727.6	4510.1	4512.7	4449.0
57.5°	3738.7	3876.7	4359.9	4604.8	4619.9	4089.8	3983.9	4725.0	4758.4	4716.0
59°	3861.8	3984.4	4449.8	4716.0	4777.5	4273.7	4171.2	4849.7	4827.7	4789.0
60°	3953.1	4052.9	4494.4	4774.1	4869.1	4398.4	4309.5	4923.0	4835.9	4789.0
62.5°	4178.9	4202.0	4574.8	4839.9	4974.4	4675.4	4698.5	5047.7	4778.9	4702.2
65°	4284.3	4296.2	4573.8	4722.1	4872.5	4891.1	5051.4	5051.4	4639.6	4521.8
67.5°	4240.2	4182.6	4346.9	4331.5	4481.7	4763.0	5184.1	4866.2	4373.2	4220.9
70°	3882.0	3660.4	3587.5	3594.1	3709.0	4142.8	4921.4	4321.2	3869.0	3691.0
72.5°	3230.1	2698.6	2518.4	2724.0	2754.0	3183.9	4194.1	3254.2	2853.3	2686.4
75°	2598.0	1902.3	1609.3	1826.4	1877.3	2330.0	3244.4	2026.7	1666.6	1536.6
77.5°	1866.4	1365.5	1154.8	1139.7	1205.5	1477.7	2302.1	1020.0	850.7	793.9
80°	1060.3	898.7	967.7	913.1	946.2	923.9	1093.8	447.4	366.4	342.6
82.5°	640.0	531.2	575.3	478.9	606.0	527.8	421.4	143.3	124.4	118.3
85°	416.3	290.3	151.2	101.4	208.8	337.3	94.2	39.0	30.0	23.9
87.5°	143.6	74.0	7.4	3.2	22.3	62.9	3.4	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)