

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: P653006

Luminaire Tested: **GLAN-SA7C-840-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P653006  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA7C-840-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35498.6 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

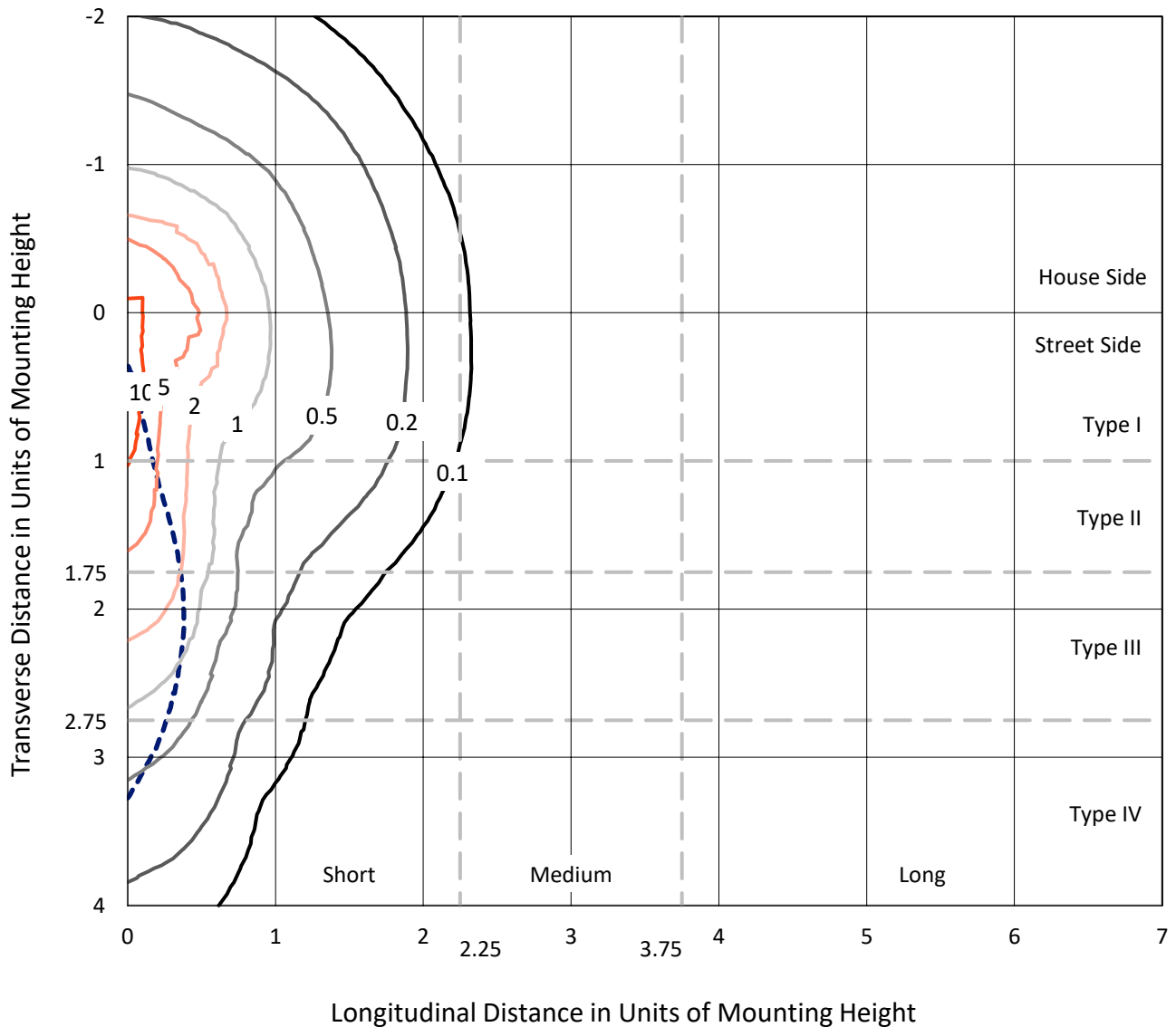
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

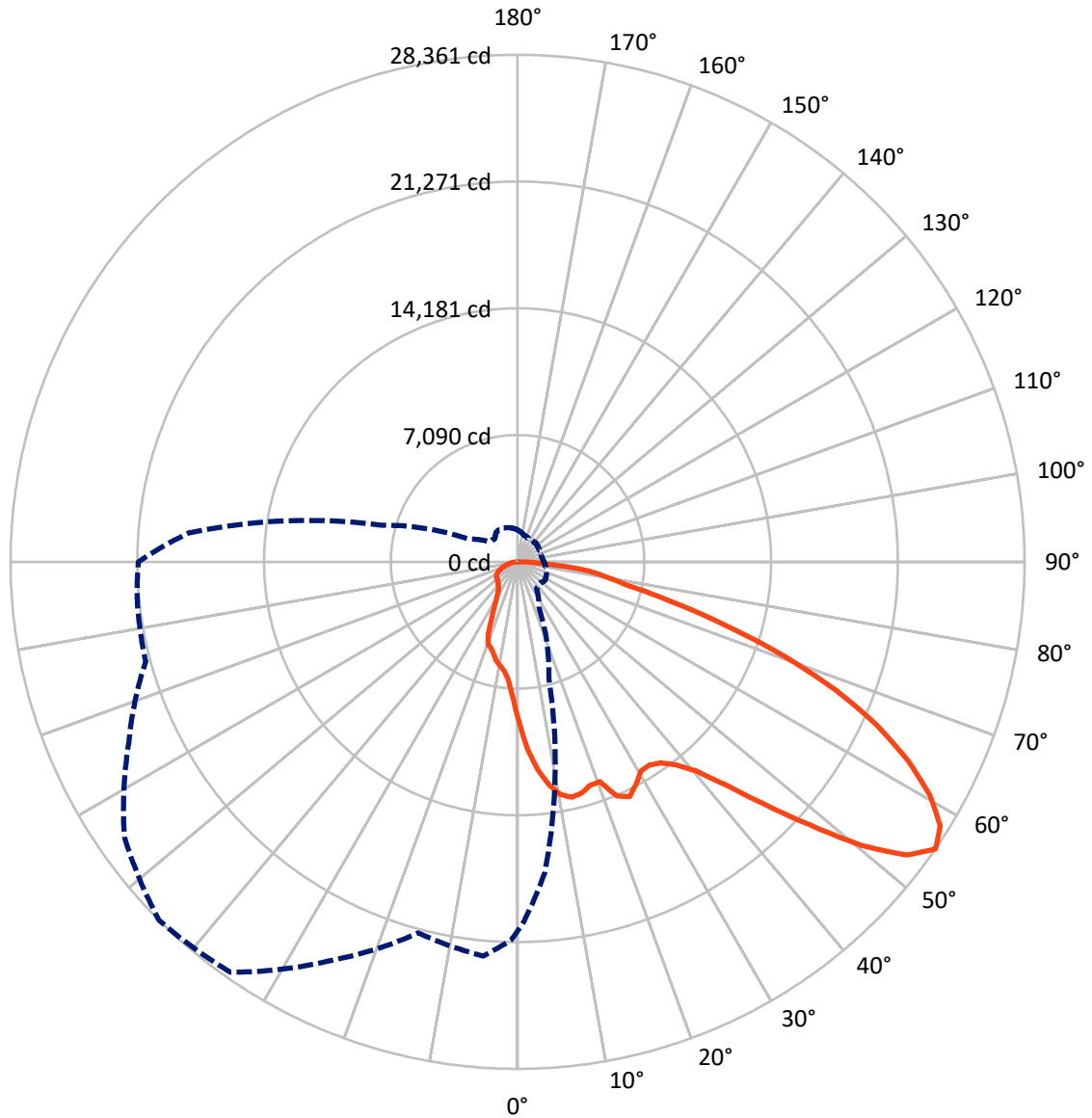
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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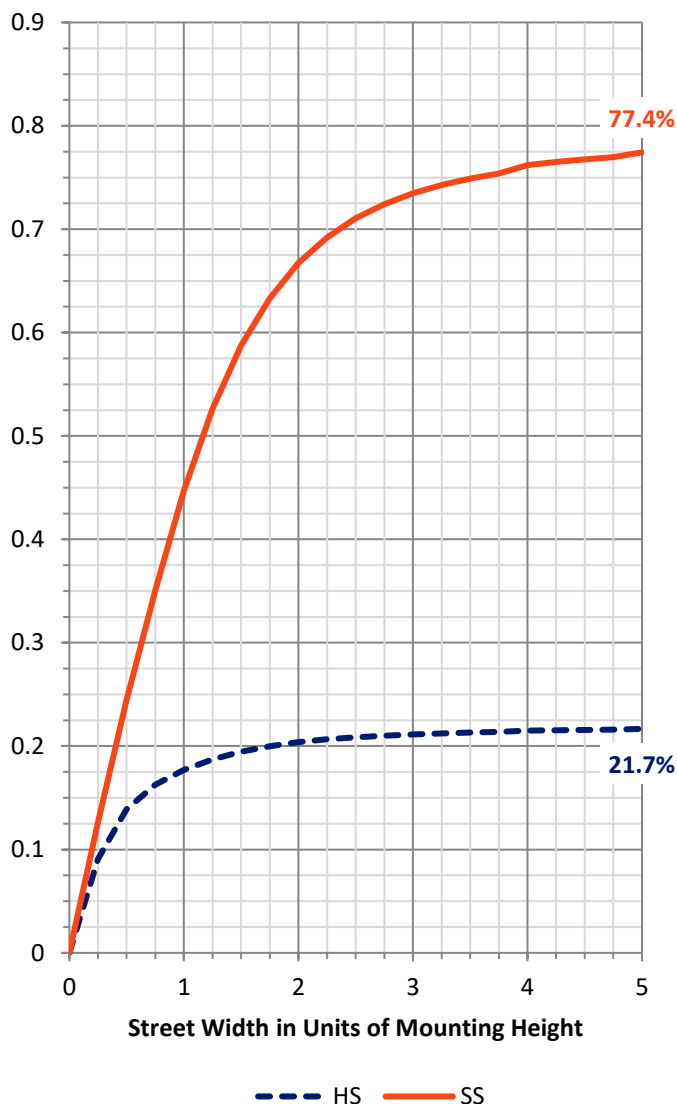
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7765.2	0.0	7765.2
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	27733.4	0.0	27733.4
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	35498.6	0.0	35498.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	755.1	2.1
10°-20°	2003.2	5.6
20°-30°	3460.5	9.7
30°-40°	4021.7	11.3
40°-50°	5611.1	15.8
50°-60°	7613.6	21.4
60°-70°	7243.4	20.4
70°-80°	3913.1	11.0
80°-90°	877.0	2.5
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°	35498.6	100.0
0°-180°	35498.6	100.0

**Coefficient of Utilization**



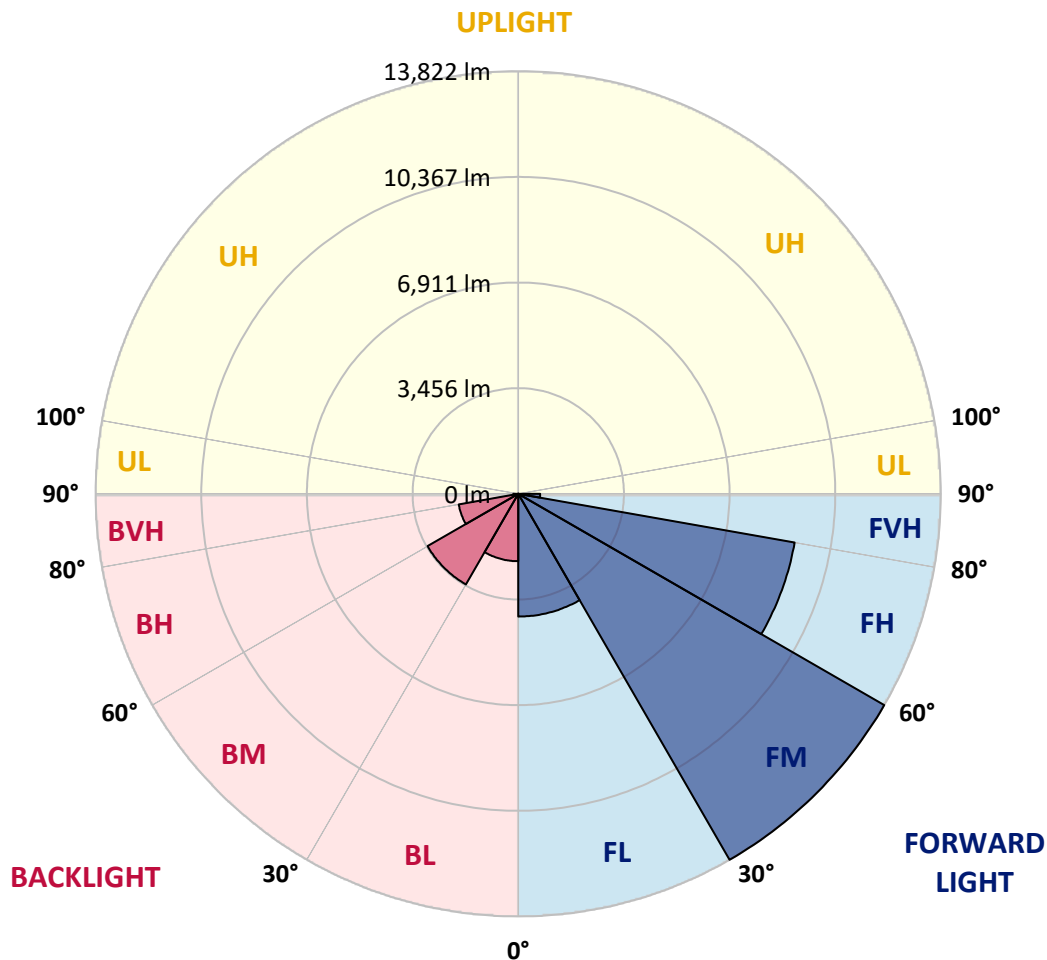
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4015.0	11.3			
FM (30°-60°)	13822.4	38.9			
FH (60°-80°)	9179.3	25.9			G4/12000
FVH (80°-90°)	716.7	2.0			G4/750
BL (0°-30°)	2203.8	6.2	B3/2500		
BM (30°-60°)	3423.9	9.6	B3/5000		
BH (60°-80°)	1977.2	5.6	B3/2500		G3/2500
BVH (80°-90°)	160.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8
2.5°	9897.1	9859.6	9754.2	9477.8	9199.2	8915.8	8698.0	8426.3	8143.0	7990.8	7796.3
5°	10032.9	9990.7	9742.5	9119.6	8555.2	7962.6	7489.5	7075.0	6906.4	6658.1	6459.0
7.5°	9714.4	9695.6	9323.3	8428.7	7655.8	6880.6	6344.3	6011.8	5709.6	5597.3	5620.7
10°	9424.0	9349.1	8883.0	7714.4	6812.7	6182.8	5798.7	5473.1	5260.0	5203.8	5215.5
12.5°	9182.8	9082.0	8531.7	7234.3	6445.0	5941.5	5452.0	5112.4	4918.1	4972.0	5154.7
15°	9133.6	8997.8	8384.2	7070.4	6243.7	5594.9	5058.6	4667.5	4522.3	4639.4	4932.1
17.5°	9452.1	9281.1	8637.1	7124.2	6051.6	5241.3	4583.2	4135.9	4014.1	4201.5	4583.2
20°	10475.5	10222.6	9426.3	7435.7	6032.8	5065.6	4306.8	3857.2	3908.7	4264.7	4662.8
22.5°	12367.8	11988.5	10808.1	7890.0	6131.2	5021.1	4250.7	4016.4	4299.8	4602.0	4864.3
25°	12742.5	12445.1	11056.3	7993.0	6110.1	4990.7	4409.9	4527.0	4843.2	4993.0	4901.7
27.5°	12953.3	12613.7	11040.0	7482.5	5463.7	4527.0	4215.5	4409.9	4489.5	4344.3	4096.1
30°	13445.2	13091.5	11318.6	6946.2	4498.8	3358.4	2943.8	2864.2	2918.1	2946.2	2857.2
32.5°	14121.9	13773.0	11843.2	6595.0	3890.0	2777.6	2370.0	2257.7	2231.8	2201.4	2166.3
35°	14997.8	14461.5	12358.4	6370.1	3639.3	2569.1	2194.4	2107.7	2072.6	2030.4	1993.0
37.5°	15887.8	15325.7	13009.5	6133.6	3473.1	2423.9	2077.3	2037.5	1976.6	1932.1	1878.2
40°	16833.9	16204.0	13602.0	5927.5	3311.5	2330.2	1993.0	1988.3	1908.6	1857.2	1793.9
42.5°	17653.6	17004.9	14131.3	5801.0	3187.4	2231.8	1941.4	1955.5	1873.6	1796.3	1714.3
45°	18304.6	17667.6	14620.8	5801.0	3086.7	2133.5	1932.1	1922.8	1840.8	1744.7	1651.1
47.5°	18876.1	18218.0	15098.6	5948.6	3023.5	2051.5	1880.6	1897.0	1812.7	1690.9	1599.6
50°	19318.7	18737.9	15742.6	6178.1	2960.2	1985.9	1815.0	1904.0	1789.2	1662.7	1557.4
52.5°	19883.1	19363.2	16517.7	6491.8	2906.3	1913.4	1756.4	1904.0	1786.9	1665.1	1550.4
55°	20665.3	20117.3	17452.2	6751.8	2819.7	1845.5	1705.0	1850.1	1779.9	1653.4	1531.6
57.5°	21213.4	20803.5	18112.6	6925.1	2695.6	1758.8	1658.1	1798.6	1749.4	1608.9	1475.5
58°	21239.1	20838.6	18208.7	6964.9	2665.1	1742.4	1646.4	1775.2	1735.4	1590.2	1456.7
60°	20944.0	20599.8	18227.3	6908.7	2491.8	1660.5	1585.5	1679.1	1660.5	1480.1	1356.0
62.5°	19871.4	19503.7	17470.9	6452.1	2262.3	1559.7	1491.8	1550.4	1508.2	1325.5	1210.8
65°	18346.8	17670.0	15915.8	5735.5	2098.4	1452.0	1365.4	1370.1	1325.5	1194.4	1093.7
67.5°	16316.3	15559.9	13475.6	4833.8	1974.2	1332.6	1215.5	1203.7	1149.9	1065.5	983.6
70°	13817.5	13299.9	10950.9	3932.1	1836.1	1201.5	1046.9	1039.8	1007.0	943.8	871.2
72.5°	11199.2	10541.1	8843.2	3147.6	1667.5	1075.0	889.9	904.0	861.9	817.4	751.8
75°	8264.8	7833.8	6836.2	2524.6	1440.3	936.8	742.4	747.1	728.3	681.5	630.0
77.5°	5442.7	5313.9	4890.0	1658.1	1107.8	744.7	606.5	611.2	597.2	555.1	501.2
80°	3662.8	3576.2	3313.9	1067.9	740.1	538.7	468.4	473.1	470.7	426.2	353.6
82.5°	2257.7	2220.2	2135.9	721.3	512.9	386.4	309.2	323.2	348.9	299.7	241.2
85°	1065.5	1067.9	1290.4	393.4	302.1	248.3	168.6	180.3	180.3	180.3	135.8
87.5°	138.2	145.2	178.0	166.3	110.1	93.7	60.9	51.6	44.5	58.5	42.1
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°	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8
2.5°	7728.5	7681.6	7580.9	7557.5	7543.4	7583.2	7477.8	7505.9	7459.1	7590.3	7569.2
5°	6470.8	6475.4	6557.4	6611.4	6630.0	6611.4	6541.0	6419.3	6325.6	6288.2	6297.5
7.5°	5576.2	5658.2	5798.7	5955.5	6098.4	6140.6	6100.8	5868.9	5615.9	5456.7	5405.2
10°	5278.8	5388.8	5550.4	5674.6	5801.0	5901.7	5922.7	5742.4	5442.7	5065.6	4918.1
12.5°	5295.1	5445.1	5599.6	5639.4	5627.7	5667.5	5648.7	5618.3	5421.6	4941.5	4695.6
15°	5140.6	5318.6	5426.3	5405.2	5367.8	5332.6	5283.4	5206.1	5135.9	4798.7	4527.0
17.5°	4784.6	4967.3	5056.3	5063.3	5063.3	5053.9	4934.5	4906.4	4897.0	4733.1	4566.8
20°	4850.1	4950.9	4911.1	4845.5	4864.3	4927.4	4857.2	4843.2	4897.0	4969.6	4939.2
22.5°	4887.6	4852.5	4552.8	4262.4	4196.8	4393.5	4433.3	4590.2	4808.0	5070.3	5241.3
25°	4655.8	4372.4	3836.1	3508.2	3323.2	3505.9	3744.8	4035.2	4360.7	4697.9	4897.0
27.5°	3892.3	3676.9	3292.8	2997.7	2836.1	2864.2	3068.0	3332.6	3634.7	3861.9	4007.0
30°	2932.1	2836.1	2637.0	2536.3	2438.0	2414.5	2501.2	2601.9	2735.4	2763.5	2801.0
32.5°	2159.3	2145.2	2156.9	2124.1	2105.4	2103.1	2077.3	2100.7	2114.8	2131.2	2098.4
35°	1953.2	1934.5	1901.7	1892.3	1880.6	1885.3	1873.6	1861.8	1871.2	1885.3	1894.6
37.5°	1847.8	1819.7	1772.8	1756.4	1756.4	1763.5	1744.7	1740.0	1756.4	1800.9	1824.4
40°	1765.8	1733.0	1679.1	1658.1	1672.2	1690.9	1665.1	1655.8	1695.5	1742.4	1779.9
42.5°	1688.6	1662.7	1611.3	1587.8	1599.6	1634.7	1597.2	1590.2	1641.7	1693.2	1737.8
45°	1623.0	1597.2	1550.4	1538.7	1543.3	1576.1	1550.4	1550.4	1599.6	1655.8	1695.5
47.5°	1571.4	1538.7	1508.2	1498.8	1503.5	1522.3	1517.6	1517.6	1564.4	1623.0	1662.7
50°	1519.9	1491.8	1452.0	1456.7	1468.4	1494.1	1491.8	1498.8	1545.7	1618.3	1660.5
52.5°	1496.5	1454.3	1409.9	1414.6	1449.6	1480.1	1470.7	1477.8	1531.6	1667.5	1728.3
55°	1470.7	1414.6	1363.0	1370.1	1409.9	1454.3	1442.7	1452.0	1515.2	1700.2	1784.6
57.5°	1421.5	1356.0	1299.8	1304.5	1363.0	1409.9	1391.1	1402.8	1477.8	1665.1	1754.2
58°	1400.5	1344.3	1290.4	1292.8	1349.0	1400.5	1379.4	1388.7	1466.0	1655.8	1740.0
60°	1311.5	1278.7	1231.9	1234.2	1288.1	1332.6	1320.9	1330.2	1405.1	1587.8	1651.1
62.5°	1189.7	1171.0	1159.2	1159.2	1192.0	1234.2	1245.9	1257.6	1325.5	1435.6	1491.8
65°	1058.6	1058.6	1060.9	1060.9	1081.9	1135.9	1142.8	1173.3	1236.5	1290.4	1332.6
67.5°	969.6	964.9	969.6	957.8	967.2	1000.0	1035.1	1063.3	1128.8	1166.3	1180.3
70°	854.8	852.4	854.8	838.4	850.2	878.3	901.6	948.5	1016.4	1044.5	1051.5
72.5°	742.4	742.4	747.1	735.4	735.4	765.8	782.2	833.8	896.9	913.3	915.7
75°	625.3	632.3	632.3	615.9	620.6	639.3	660.4	702.6	761.1	772.9	772.9
77.5°	496.5	522.3	522.3	505.9	512.9	515.2	543.4	564.4	608.9	613.6	594.8
80°	360.6	386.4	407.5	393.4	405.2	391.1	407.5	421.5	466.1	445.0	414.5
82.5°	257.6	276.4	292.8	295.1	283.4	257.6	278.7	281.1	302.1	274.0	257.6
85°	142.9	159.3	180.3	171.0	152.2	135.8	142.9	147.5	145.2	138.2	128.8
87.5°	37.5	39.8	44.5	32.8	30.4	25.7	35.2	35.2	39.8	42.1	39.8
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°	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8
2.5°	7585.6	7688.6	7911.1	8079.7	8285.8	8536.4	8831.5	9128.9	9449.7	9550.5	9691.0
5°	6276.4	6534.1	6641.8	6948.6	7253.0	7709.7	8196.8	8761.2	9379.5	9676.9	9962.7
7.5°	5363.1	5501.2	5613.7	5838.5	6203.8	6758.9	7370.1	8075.0	8950.9	9384.2	9803.4
10°	4871.2	4885.3	5023.5	5302.2	5620.7	6110.1	6688.6	7477.8	8454.4	8981.4	9473.2
12.5°	4545.7	4484.8	4634.8	4925.1	5285.8	5737.8	6269.4	7021.2	8096.1	8637.1	9232.0
15°	4260.0	4164.0	4276.4	4573.9	4929.8	5461.5	6032.8	6829.1	7955.6	8585.6	9246.0
17.5°	4267.1	4002.4	4042.2	4292.8	4646.4	5187.4	5880.6	6822.1	8168.7	8894.8	9676.9
20°	4794.0	4370.1	4189.8	4236.6	4578.5	5168.7	5950.9	7149.9	8868.9	9927.5	10763.6
22.5°	5311.5	5056.3	4765.9	4669.8	4857.2	5475.5	6398.2	7925.2	10391.2	11986.1	13496.6
25°	5131.2	5349.0	5276.4	5140.6	5182.7	5695.6	6702.7	8562.1	11573.9	13370.1	14789.4
27.5°	4105.4	4501.2	4580.8	4578.5	4594.9	5016.5	6028.2	8133.6	11721.4	13634.8	14990.8
30°	2885.3	2920.4	2962.6	3044.5	3119.4	3496.5	4716.7	7140.6	11655.8	13754.2	15112.6
32.5°	2082.0	2128.8	2187.4	2299.8	2477.8	2957.9	4126.5	6824.5	12002.5	14248.4	15468.6
35°	1904.0	1957.8	2014.1	2142.9	2311.5	2756.5	3892.3	6693.3	12571.6	15049.4	16107.9
37.5°	1847.8	1908.6	1957.8	2051.5	2187.4	2611.3	3679.2	6604.3	13154.8	15897.2	16965.1
40°	1808.0	1878.2	1918.1	1993.0	2086.7	2477.8	3489.5	6534.1	13719.1	16672.3	17653.6
42.5°	1772.8	1845.5	1897.0	1950.9	2028.2	2358.3	3320.9	6463.8	14208.6	17424.1	18339.8
45°	1730.7	1822.0	1887.6	1929.8	1997.7	2257.7	3192.1	6407.6	14765.9	18091.5	19033.0
47.5°	1695.5	1796.3	1878.2	1927.4	1953.2	2187.4	3089.0	6484.9	15435.8	18789.5	19677.0
50°	1697.9	1793.9	1897.0	1974.2	1906.4	2128.8	3025.8	6791.7	16307.0	19618.5	20185.3
52.5°	1772.8	1890.0	1971.9	1990.6	1840.8	2058.6	2993.0	7328.0	17337.5	20351.5	20698.1
55°	1857.2	1979.0	2067.9	2056.2	1805.6	1969.5	2986.0	7899.3	18466.3	21206.3	21365.6
57.5°	1826.7	2004.7	2140.5	2079.6	1808.0	1882.9	2955.5	8360.7	19410.0	21845.6	22026.0
58°	1817.3	1995.4	2149.9	2075.0	1800.9	1857.2	2948.5	8400.6	19541.2	21890.1	22119.6
60°	1726.0	1913.4	2142.9	2039.8	1761.1	1786.9	2871.3	8529.3	19506.1	21660.6	22175.9
62.5°	1559.7	1714.3	1981.3	1868.9	1639.4	1693.2	2697.9	8370.1	18555.2	20555.3	21353.8
65°	1372.3	1487.1	1665.1	1644.1	1466.0	1597.2	2461.4	7740.1	16651.2	18761.4	19602.1
67.5°	1231.9	1325.5	1437.9	1407.5	1318.5	1468.4	2206.1	6674.5	14515.4	16606.7	17665.3
70°	1089.0	1161.6	1217.9	1196.7	1168.7	1341.9	1979.0	5416.9	12468.5	14559.9	15585.7
72.5°	943.8	1011.7	1058.6	1028.1	1011.7	1208.4	1793.9	4203.8	9847.9	12011.8	13330.4
75°	789.2	857.1	889.9	854.8	845.5	1065.5	1519.9	3140.5	7388.9	9260.1	10398.2
77.5°	611.2	683.8	726.0	714.3	719.0	875.9	1227.2	2149.9	5283.4	6311.5	7510.6
80°	428.6	508.2	536.3	524.6	557.4	667.4	866.5	1365.4	3644.1	4096.1	4941.5
82.5°	264.7	339.6	344.3	356.0	379.4	494.2	653.4	831.4	2288.1	2365.4	2979.0
85°	133.5	161.6	173.3	192.0	213.1	302.1	372.4	515.2	1473.1	1114.7	1665.1
87.5°	44.5	46.8	56.2	70.2	86.6	124.1	159.3	210.8	365.3	201.4	515.2
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°	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8	8908.8
2.5°	9974.3	10173.4	10318.6	10452.1	10323.3	10311.6	10185.1	9981.4	9897.1	9897.1
5°	10562.2	11028.2	11405.3	11646.5	11543.5	11295.2	10885.4	10363.1	10082.1	10032.9
7.5°	10723.8	11644.1	12344.4	12592.6	12419.4	11871.3	11086.7	10206.2	9803.4	9714.4
10°	10625.4	11822.1	12850.2	13243.7	13002.4	12173.5	11103.1	10023.5	9527.0	9424.0
12.5°	10522.3	11845.6	12943.9	13513.0	13356.1	12417.0	11222.6	9904.1	9330.3	9182.8
15°	10597.3	11854.9	12829.2	13417.0	13517.7	12709.8	11419.4	9990.7	9290.5	9133.6
17.5°	11070.4	12032.9	12665.2	13140.6	13494.3	13107.9	11979.0	10405.3	9646.4	9452.1
20°	12058.7	12459.2	12758.9	13126.6	13695.7	13920.6	13124.3	11543.5	10646.5	10475.5
22.5°	14920.5	14847.9	14234.3	14227.4	15051.7	15953.3	15899.4	13857.3	12508.4	12367.8
25°	15993.1	15655.9	14768.3	14552.8	14915.9	16307.0	16105.6	14330.4	13084.4	12742.5
27.5°	15574.0	14737.9	14154.7	14105.5	13986.1	15300.0	15784.7	14522.4	13285.9	12953.3
30°	15548.2	14318.7	13484.9	13583.3	13698.0	14953.3	15962.7	15124.3	13801.1	13445.2
32.5°	15611.4	14377.2	13534.1	13552.9	13894.7	15004.9	16159.4	15780.0	14477.9	14121.9
35°	15866.7	14709.8	13847.9	13803.4	14337.4	15342.1	16494.4	16810.5	15403.0	14997.8
37.5°	16278.9	15372.6	14421.7	14410.0	15185.2	15951.0	16911.2	17850.3	16323.4	15887.8
40°	16885.4	16147.7	15442.8	15379.5	16337.4	16941.6	17452.2	18958.1	17393.6	16833.9
42.5°	17618.4	17077.5	16789.4	17040.0	17960.4	18054.1	18295.3	19981.5	18304.6	17653.6
45°	18297.6	18271.9	18672.3	19337.4	19873.8	19311.7	19175.9	20667.7	19011.9	18304.6
47.5°	19105.6	19803.5	21012.0	21986.2	22548.2	20775.4	19927.7	21115.0	19527.2	18876.1
50°	19925.3	21637.2	23567.0	24925.3	25044.8	22365.6	20445.2	21536.6	19995.5	19318.7
52.5°	20787.1	23100.9	25670.1	27248.6	27016.7	23749.7	20946.4	21822.3	20478.0	19883.1
55°	21536.6	23997.9	26845.7	28361.0	28021.4	24592.8	21487.4	22131.4	21166.5	20665.3
57.5°	21955.7	24072.9	26553.0	27876.2	27508.5	24428.9	21735.6	22360.9	21606.8	21213.4
58°	22016.6	23972.2	26293.0	27595.1	27220.5	24290.7	21733.3	22351.5	21634.9	21239.1
60°	21962.8	23318.7	25325.8	26485.1	26091.6	23424.1	21644.2	22175.9	21278.9	20944.0
62.5°	21463.9	22185.2	23656.0	24499.1	24386.7	22070.5	21278.9	21513.1	20194.6	19871.4
65°	20808.2	20639.6	21517.8	22115.0	22199.3	21056.5	20915.9	20079.9	18803.5	18346.8
67.5°	20011.9	18887.8	18885.5	19225.0	19365.5	19496.7	20159.4	18522.4	16798.8	16316.3
70°	18660.6	16187.6	15442.8	15843.3	15726.2	16833.9	18808.2	16335.1	14381.9	13817.5
72.5°	16182.9	12845.6	11653.5	12168.8	11873.7	13201.5	16456.9	13442.8	11892.4	11199.2
75°	13117.2	9609.0	8379.5	8852.5	8669.9	10014.1	13693.3	9763.6	8529.3	8264.8
77.5°	10185.1	6962.6	6248.3	6182.8	6318.6	7452.1	10044.6	6592.6	5623.0	5442.7
80°	6543.4	4983.7	5025.8	4941.5	5011.8	4697.9	6098.4	4206.2	3808.0	3662.8
82.5°	4306.8	3473.1	4140.6	3822.1	3630.0	3159.3	4000.0	2754.1	2337.2	2257.7
85°	2934.4	2557.4	2327.9	1779.9	2096.0	2433.3	3000.0	1482.4	1175.6	1065.5
87.5°	1325.5	889.9	653.4	402.8	637.0	735.4	1456.7	173.3	133.5	138.2
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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