

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: P651521

Luminaire Tested: **GALN-SA7D-840-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P651521  
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: McGRAW-EDISON  
Catalog Number: GALN-SA7D-840-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 4000K, 1200mA 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: 39060.2 lumens  
Efficiency: N/A  
Efficacy: 90.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

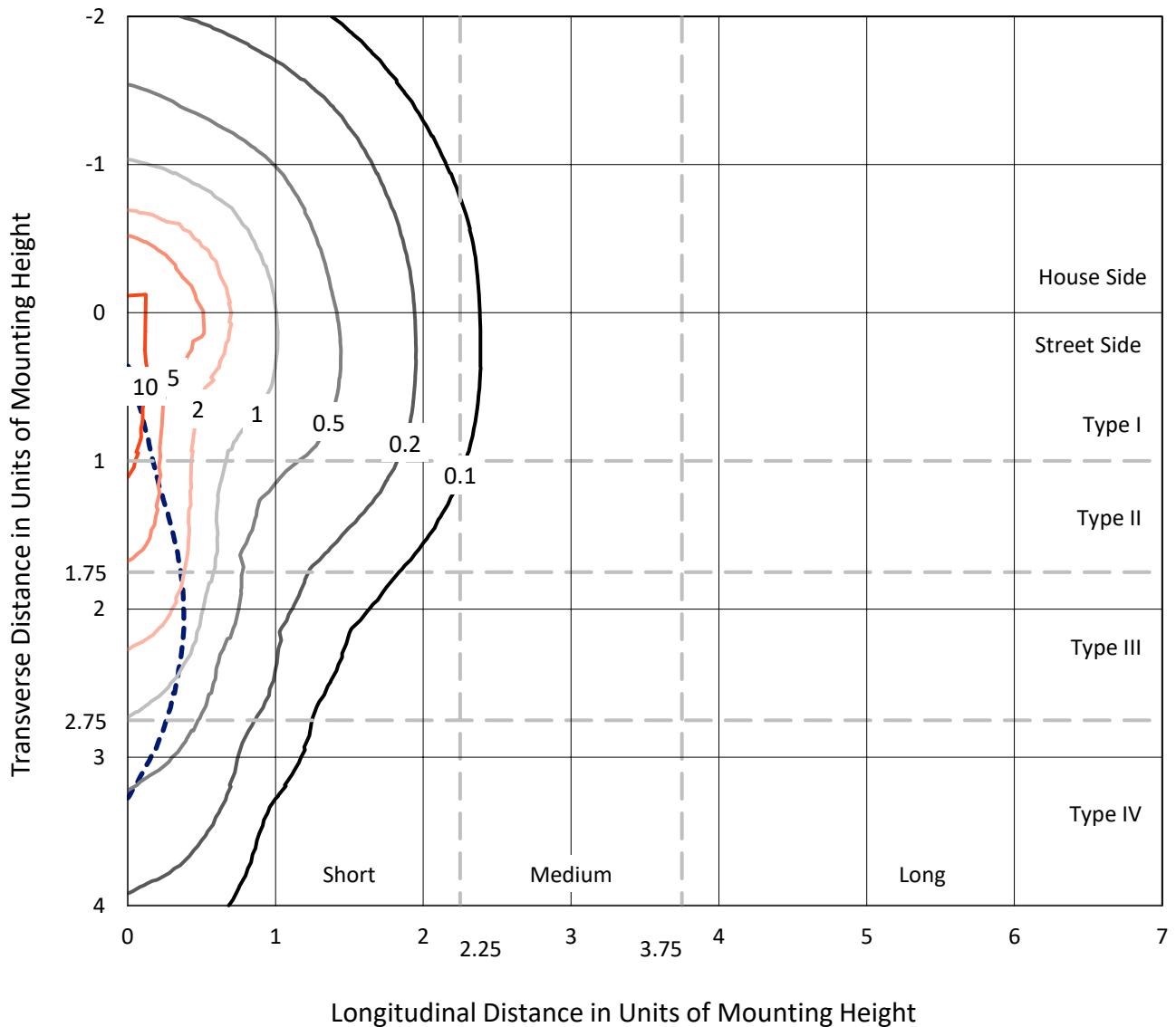
Input Watts (W): 433  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

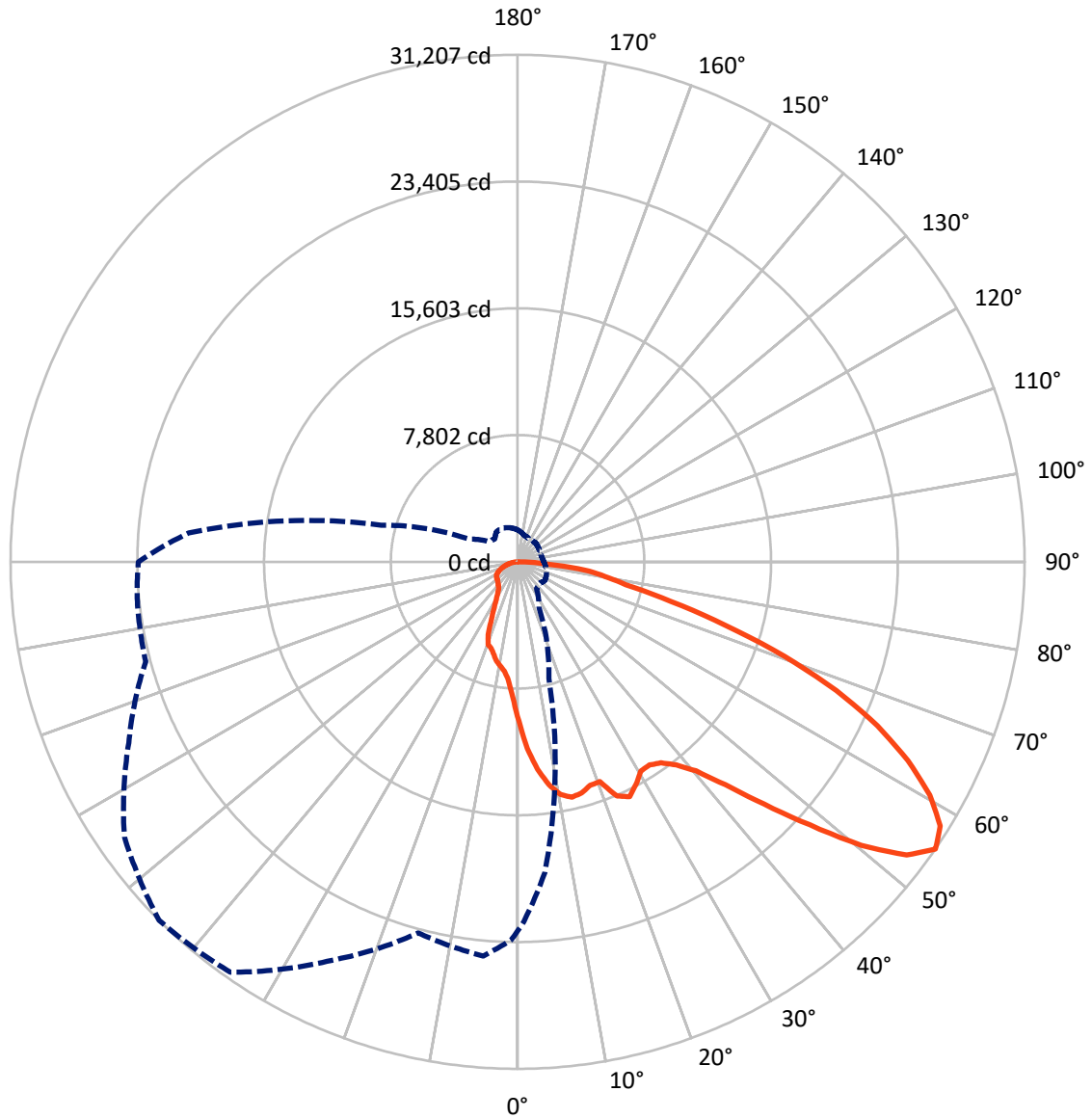
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.8 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	8544.3	0.0	8544.3
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	30516.0	0.0	30516.0
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	39060.2	0.0	39060.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	830.8	2.1
10°-20°	2204.1	5.6
20°-30°	3807.7	9.7
30°-40°	4425.2	11.3
40°-50°	6174.0	15.8
50°-60°	8377.5	21.4
60°-70°	7970.2	20.4
70°-80°	4305.7	11.0
80°-90°	965.0	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°	39060.2	100.0
0°-180°	39060.2	100.0

**Coefficient of Utilization**

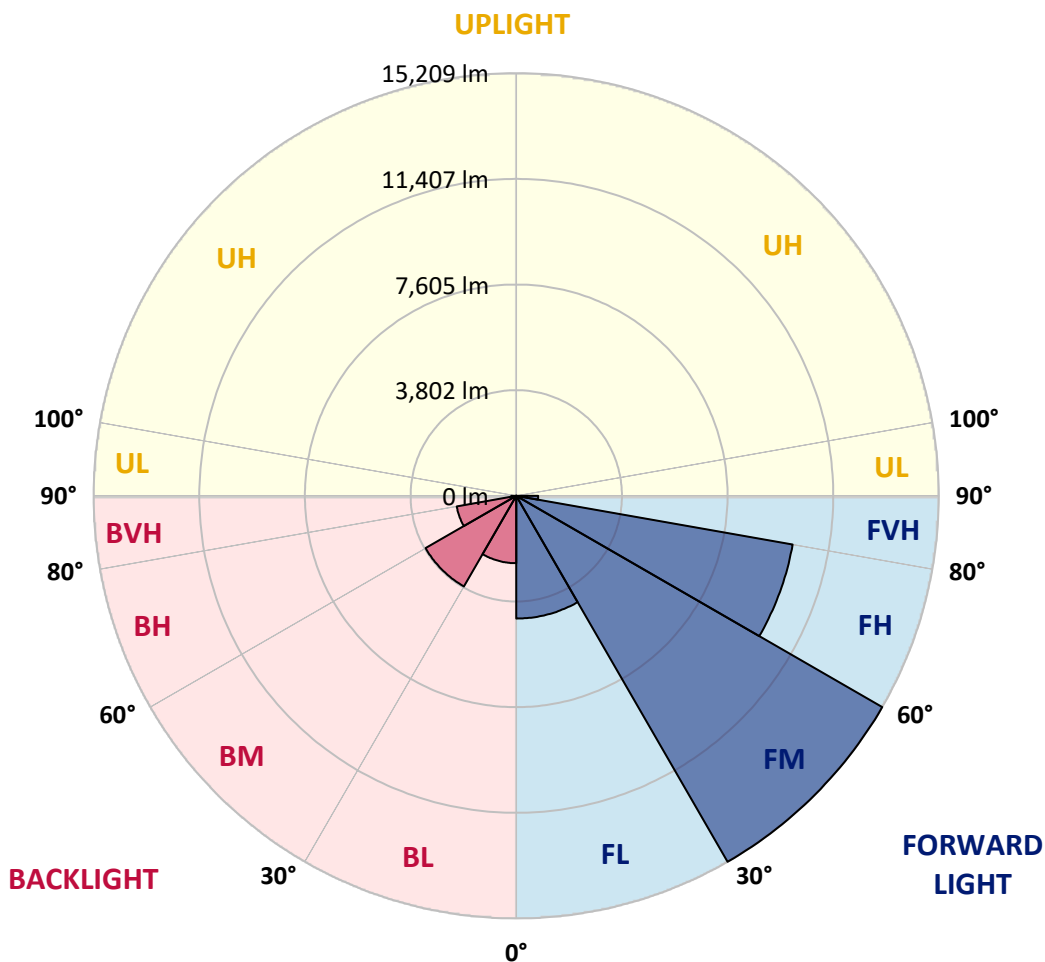


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4417.8	11.3			
FM (30°-60°)	15209.2	38.9			
FH (60°-80°)	10100.3	25.9			G4/12000
FVH (80°-90°)	788.6	2.0			G5
BL (0°-30°)	2424.9	6.2	B3/2500		
BM (30°-60°)	3767.5	9.6	B3/5000		
BH (60°-80°)	2175.6	5.6	B3/2500		G3/2500
BVH (80°-90°)	176.3	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-G5**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6
2.5°	10890.0	10848.8	10732.8	10428.8	10122.1	9810.3	9570.7	9271.8	8959.9	8792.4	8578.5
5°	11039.6	10993.1	10720.0	10034.6	9413.5	8761.5	8241.0	7784.9	7599.4	7326.2	7107.1
7.5°	10689.0	10668.4	10258.7	9274.3	8424.0	7571.0	6980.9	6615.0	6282.5	6158.8	6184.6
10°	10369.5	10287.0	9774.3	8488.4	7496.3	6803.1	6380.4	6022.2	5787.8	5725.9	5738.8
12.5°	10104.1	9993.3	9387.7	7960.1	7091.6	6537.7	5999.1	5625.4	5411.5	5470.8	5671.8
15°	10049.9	9900.5	9225.3	7779.8	6870.0	6156.3	5566.2	5135.8	4976.0	5104.9	5427.0
17.5°	10400.5	10212.3	9503.6	7839.0	6658.8	5767.2	5043.1	4550.8	4416.8	4623.0	5043.1
20°	11526.6	11248.2	10372.1	8181.8	6638.2	5573.9	4739.0	4244.2	4300.9	4692.5	5130.6
22.5°	13608.7	13191.3	11892.5	8681.6	6746.3	5524.9	4677.1	4419.5	4731.2	5063.7	5352.3
25°	14021.0	13693.8	12165.7	8795.0	6723.2	5491.4	4852.3	4981.2	5329.1	5494.0	5393.5
27.5°	14252.9	13879.3	12147.6	8233.2	6012.0	4981.2	4638.5	4852.3	4939.9	4780.2	4507.0
30°	14794.1	14405.0	12454.3	7643.2	4950.3	3695.3	3239.2	3151.6	3210.9	3241.8	3143.8
32.5°	15538.8	15154.8	13031.5	7256.6	4280.3	3056.2	2607.9	2484.1	2455.8	2422.3	2383.6
35°	16502.6	15912.5	13598.4	7009.2	4004.5	2826.9	2414.6	2319.2	2280.5	2234.2	2193.0
37.5°	17481.8	16863.3	14314.7	6748.9	3821.6	2667.1	2285.8	2241.9	2174.9	2126.0	2066.7
40°	18522.9	17829.7	14966.8	6522.2	3643.8	2564.0	2193.0	2187.8	2100.2	2043.5	1973.9
42.5°	19424.8	18711.0	15549.1	6383.0	3507.2	2455.8	2136.2	2151.7	2061.5	1976.5	1886.3
45°	20141.2	19440.3	16087.7	6383.0	3396.4	2347.6	2126.0	2115.6	2025.5	1919.8	1816.7
47.5°	20769.9	20045.8	16613.4	6545.3	3326.8	2257.4	2069.3	2087.3	1994.5	1860.5	1760.0
50°	21257.0	20618.0	17322.1	6797.9	3257.2	2185.3	1997.1	2095.0	1968.8	1829.6	1713.6
52.5°	21878.0	21306.0	18175.0	7143.2	3198.0	2105.4	1932.7	2095.0	1966.2	1832.2	1705.9
55°	22738.7	22135.7	19203.2	7429.2	3102.6	2030.6	1876.0	2035.7	1958.4	1819.3	1685.3
57.5°	23341.7	22890.8	19929.8	7620.0	2966.0	1935.2	1824.5	1979.0	1925.0	1770.3	1623.5
58°	23370.0	22929.4	20035.6	7663.8	2932.6	1917.2	1811.6	1953.3	1909.5	1749.7	1602.9
60°	23045.4	22666.5	20056.2	7601.9	2741.8	1827.1	1744.6	1847.7	1827.1	1628.6	1492.0
62.5°	21865.2	21460.6	19223.8	7099.4	2489.3	1716.2	1641.5	1705.9	1659.5	1458.5	1332.2
65°	20187.6	19442.8	17512.7	6310.9	2308.9	1597.6	1502.4	1507.5	1458.5	1314.2	1203.4
67.5°	17953.4	17121.1	14827.6	5318.7	2172.3	1466.3	1337.4	1324.6	1265.3	1172.5	1082.3
70°	15203.9	14634.3	12049.7	4326.6	2020.3	1322.0	1151.9	1144.2	1108.1	1038.5	958.6
72.5°	12322.8	11598.7	9730.5	3463.4	1834.7	1182.8	979.3	994.7	948.3	899.4	827.2
75°	9094.0	8619.8	7522.0	2777.9	1584.8	1030.7	816.9	822.1	801.4	749.9	693.2
77.5°	5988.8	5847.1	5380.6	1824.5	1218.9	819.5	667.4	672.5	657.1	610.7	551.4
80°	4030.3	3935.0	3646.3	1175.0	814.3	592.7	515.4	520.6	518.0	469.0	389.1
82.5°	2484.1	2442.9	2350.2	793.7	564.3	425.2	340.2	355.6	384.0	329.8	265.4
85°	1172.5	1175.0	1419.9	432.9	332.4	273.2	185.5	198.4	198.4	198.4	149.4
87.5°	152.1	159.8	195.9	183.0	121.1	103.1	67.0	56.7	48.9	64.4	46.4
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6
2.5°	8503.9	8452.3	8341.5	8315.7	8300.2	8344.1	8228.1	8259.0	8207.5	8351.8	8328.6
5°	7120.0	7125.2	7215.4	7274.6	7295.3	7274.6	7197.4	7063.3	6960.3	6919.0	6929.3
7.5°	6135.6	6225.8	6380.4	6553.1	6710.3	6756.7	6712.9	6457.8	6179.4	6004.2	5947.6
10°	5808.4	5929.5	6107.3	6243.8	6383.0	6493.9	6517.0	6318.6	5988.8	5573.9	5411.5
12.5°	5826.4	5991.4	6161.4	6205.2	6192.4	6236.2	6215.5	6182.0	5965.5	5437.3	5166.7
15°	5656.3	5852.2	5970.7	5947.6	5906.3	5867.7	5813.5	5728.5	5651.2	5280.1	4981.2
17.5°	5264.7	5465.7	5563.6	5571.3	5571.3	5561.0	5429.6	5398.6	5388.4	5208.0	5025.0
20°	5336.8	5447.6	5403.8	5331.6	5352.3	5421.8	5344.6	5329.1	5388.4	5468.2	5434.7
22.5°	5378.0	5339.3	5009.5	4690.0	4617.8	4834.3	4878.1	5050.8	5290.4	5579.0	5767.2
25°	5123.0	4811.1	4221.0	3860.2	3656.7	3857.7	4120.5	4440.1	4798.2	5169.3	5388.4
27.5°	4282.9	4045.8	3623.1	3298.5	3120.6	3151.6	3375.8	3666.9	3999.4	4249.3	4409.1
30°	3226.3	3120.6	2901.6	2790.8	2682.5	2656.8	2752.2	2862.9	3009.9	3040.8	3082.0
32.5°	2375.9	2360.4	2373.3	2337.2	2316.6	2314.1	2285.8	2311.5	2327.0	2345.0	2308.9
35°	2149.2	2128.6	2092.5	2082.1	2069.3	2074.4	2061.5	2048.7	2058.9	2074.4	2084.8
37.5°	2033.2	2002.3	1950.7	1932.7	1932.7	1940.4	1919.8	1914.6	1932.7	1981.6	2007.4
40°	1943.0	1906.9	1847.7	1824.5	1839.9	1860.5	1832.2	1821.9	1865.7	1917.2	1958.4
42.5°	1857.9	1829.6	1772.9	1747.2	1760.0	1798.6	1757.4	1749.7	1806.4	1863.2	1912.1
45°	1785.8	1757.4	1705.9	1693.0	1698.1	1734.2	1705.9	1705.9	1760.0	1821.9	1865.7
47.5°	1729.1	1693.0	1659.5	1649.2	1654.4	1675.0	1669.8	1669.8	1721.4	1785.8	1829.6
50°	1672.4	1641.5	1597.6	1602.9	1615.7	1644.1	1641.5	1649.2	1700.8	1780.6	1827.1
52.5°	1646.7	1600.3	1551.3	1556.4	1595.1	1628.6	1618.3	1626.1	1685.3	1834.7	1901.8
55°	1618.3	1556.4	1499.8	1507.5	1551.3	1600.3	1587.4	1597.6	1667.3	1870.8	1963.7
57.5°	1564.2	1492.0	1430.2	1435.3	1499.8	1551.3	1530.7	1543.6	1626.1	1832.2	1930.1
58°	1541.0	1479.2	1419.9	1422.5	1484.3	1541.0	1517.8	1528.1	1613.1	1821.9	1914.6
60°	1443.1	1407.0	1355.4	1358.0	1417.3	1466.3	1453.4	1463.7	1546.2	1747.2	1816.7
62.5°	1309.1	1288.5	1275.5	1275.5	1311.6	1358.0	1370.9	1383.8	1458.5	1579.7	1641.5
65°	1164.8	1164.8	1167.3	1167.3	1190.5	1249.8	1257.5	1291.0	1360.7	1419.9	1466.3
67.5°	1066.8	1061.7	1066.8	1053.9	1064.3	1100.4	1139.0	1169.9	1242.1	1283.3	1298.8
70°	940.6	938.0	940.6	922.6	935.4	966.3	992.1	1043.7	1118.4	1149.3	1157.0
72.5°	816.9	816.9	822.1	809.1	809.1	842.7	860.7	917.4	987.0	1005.0	1007.6
75°	688.0	695.8	695.8	677.8	682.9	703.5	726.7	773.0	837.5	850.4	850.4
77.5°	546.3	574.7	574.7	556.6	564.3	566.9	597.9	621.1	670.0	675.2	654.6
80°	396.9	425.2	448.4	432.9	445.8	430.3	448.4	463.8	512.8	489.6	456.1
82.5°	283.5	304.1	322.1	324.7	311.8	283.5	306.6	309.2	332.4	301.5	283.5
85°	157.2	175.3	198.4	188.1	167.5	149.4	157.2	162.3	159.8	152.1	141.7
87.5°	41.2	43.8	48.9	36.1	33.5	28.3	38.7	38.7	43.8	46.4	43.8
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°	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6
2.5°	8346.7	8460.0	8704.9	8890.4	9117.1	9392.9	9717.6	10044.8	10397.9	10508.6	10663.3
5°	6906.1	7189.6	7308.1	7645.7	7980.8	8483.3	9019.2	9640.2	10320.6	10647.8	10962.2
7.5°	5901.1	6053.2	6176.9	6424.2	6826.2	7437.0	8109.6	8885.2	9849.0	10325.7	10787.0
10°	5360.0	5375.4	5527.5	5834.1	6184.6	6723.2	7359.7	8228.1	9302.6	9882.5	10423.6
12.5°	5001.8	4934.8	5099.7	5419.2	5816.1	6313.5	6898.4	7725.6	8908.4	9503.6	10158.2
15°	4687.4	4581.8	4705.5	5032.7	5424.4	6009.4	6638.2	7514.3	8753.8	9447.0	10173.7
17.5°	4695.1	4404.0	4447.8	4723.5	5112.6	5707.9	6470.7	7506.6	8988.3	9787.1	10647.8
20°	5274.9	4808.5	4610.1	4661.7	5037.8	5687.3	6547.9	7867.3	9758.8	10923.6	11843.6
22.5°	5844.4	5563.6	5244.1	5138.3	5344.6	6024.8	7040.2	8720.3	11433.8	13188.6	14850.8
25°	5646.1	5885.7	5805.8	5656.3	5702.7	6267.0	7375.1	9421.2	12735.1	14711.6	16273.3
27.5°	4517.3	4952.8	5040.4	5037.8	5055.9	5519.7	6633.0	8949.7	12897.5	15002.9	16494.9
30°	3174.8	3213.4	3259.8	3350.0	3432.5	3847.3	5189.9	7857.0	12825.3	15134.2	16628.8
32.5°	2290.9	2342.4	2406.9	2530.6	2726.4	3254.7	4540.6	7509.1	13206.7	15678.0	17020.6
35°	2095.0	2154.3	2216.1	2357.9	2543.4	3033.1	4282.9	7364.8	13832.9	16559.3	17724.1
37.5°	2033.2	2100.2	2154.3	2257.4	2406.9	2873.3	4048.3	7266.9	14474.5	17492.1	18667.2
40°	1989.4	2066.7	2110.5	2193.0	2296.0	2726.4	3839.6	7189.6	15095.6	18345.1	19424.8
42.5°	1950.7	2030.6	2087.3	2146.6	2231.6	2595.0	3654.1	7112.3	15634.2	19172.3	20179.9
45°	1904.4	2004.9	2077.0	2123.4	2198.1	2484.1	3512.4	7050.4	16247.4	19906.7	20942.6
47.5°	1865.7	1976.5	2066.7	2120.8	2149.2	2406.9	3399.0	7135.5	16984.5	20674.6	21651.3
50°	1868.3	1973.9	2087.3	2172.3	2097.6	2342.4	3329.4	7473.0	17943.1	21586.9	22210.5
52.5°	1950.7	2079.5	2169.8	2190.4	2025.5	2265.1	3293.3	8063.2	19076.9	22393.4	22774.8
55°	2043.5	2177.5	2275.4	2262.5	1986.8	2167.2	3285.5	8691.9	20319.0	23334.0	23509.2
57.5°	2010.0	2205.9	2355.3	2288.3	1989.4	2071.8	3252.1	9199.6	21357.5	24037.5	24235.9
58°	1999.7	2195.5	2365.6	2283.1	1981.6	2043.5	3244.3	9243.4	21501.8	24086.5	24339.0
60°	1899.2	2105.4	2357.9	2244.5	1937.8	1966.2	3159.3	9385.1	21463.2	23833.9	24400.9
62.5°	1716.2	1886.3	2180.0	2056.4	1803.9	1863.2	2968.6	9209.9	20417.0	22617.6	23496.4
65°	1510.1	1636.3	1832.2	1809.0	1613.1	1757.4	2708.4	8516.7	18321.9	20643.7	21568.8
67.5°	1355.4	1458.5	1582.3	1548.7	1450.8	1615.7	2427.5	7344.2	15971.8	18272.9	19437.7
70°	1198.3	1278.2	1340.0	1316.8	1285.9	1476.5	2177.5	5960.4	13719.5	16020.7	17149.4
72.5°	1038.5	1113.2	1164.8	1131.2	1113.2	1329.7	1973.9	4625.6	10835.9	13217.0	14667.8
75°	868.4	943.2	979.3	940.6	930.2	1172.5	1672.4	3455.7	8130.2	10189.1	11441.6
77.5°	672.5	752.4	798.9	786.0	791.1	963.8	1350.3	2365.6	5813.5	6944.8	8264.2
80°	471.5	559.2	590.1	577.3	613.3	734.4	953.4	1502.4	4009.7	4507.0	5437.3
82.5°	291.2	373.7	378.8	391.7	417.5	543.7	719.0	914.8	2517.6	2602.7	3277.9
85°	146.9	177.8	190.7	211.3	234.5	332.4	409.7	566.9	1620.9	1226.6	1832.2
87.5°	48.9	51.6	61.8	77.3	95.4	136.6	175.3	231.9	402.0	221.6	566.9
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°	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6	9802.6
2.5°	10975.1	11194.1	11353.9	11500.8	11359.1	11346.2	11207.0	10982.8	10890.0	10890.0
5°	11621.9	12134.7	12549.6	12815.0	12701.6	12428.5	11977.5	11402.9	11093.6	11039.6
7.5°	11799.7	12812.5	13582.9	13856.1	13665.4	13062.4	12199.1	11230.2	10787.0	10689.0
10°	11691.5	13008.3	14139.6	14572.5	14307.0	13394.9	12217.2	11029.2	10482.9	10369.5
12.5°	11578.1	13034.1	14242.6	14868.8	14696.1	13662.8	12348.6	10897.8	10266.4	10104.1
15°	11660.5	13044.3	14116.4	14763.2	14874.0	13984.9	12565.0	10993.1	10222.6	10049.9
17.5°	12181.1	13240.2	13936.0	14459.1	14848.2	14423.0	13180.9	11449.2	10614.3	10400.5
20°	13268.5	13709.2	14039.1	14443.6	15069.8	15317.2	14441.1	12701.6	11714.7	11526.6
22.5°	16417.6	16337.7	15662.5	15654.8	16561.8	17553.9	17494.7	15247.6	13763.3	13608.7
25°	17597.8	17226.7	16250.1	16013.0	16412.4	17943.1	17721.5	15768.2	14397.2	14021.0
27.5°	17136.5	16216.6	15574.9	15520.7	15389.4	16835.0	17368.4	15979.5	14618.9	14252.9
30°	17108.1	15755.3	14837.9	14946.1	15072.4	16453.7	17564.3	16641.7	15185.8	14794.1
32.5°	17177.8	15819.7	14892.0	14912.6	15288.9	16510.3	17780.8	17363.3	15930.5	15538.8
35°	17458.7	16185.6	15237.3	15188.4	15775.9	16881.4	18149.2	18497.1	16948.4	16502.6
37.5°	17912.1	16914.9	15868.7	15855.8	16708.7	17551.4	18608.0	19641.3	17961.2	17481.8
40°	18579.5	17767.8	16992.2	16922.6	17976.5	18641.4	19203.2	20860.2	19138.8	18522.9
42.5°	19386.1	18790.9	18473.9	18749.7	19762.4	19865.4	20130.8	21986.3	20141.2	19424.8
45°	20133.5	20105.1	20545.8	21277.6	21867.8	21249.3	21099.8	22741.3	20919.5	20141.2
47.5°	21022.5	21790.4	23120.1	24192.1	24810.6	22859.8	21927.0	23233.5	21486.4	20769.9
50°	21924.4	23808.1	25931.6	27426.1	27557.6	24609.6	22496.5	23697.4	22001.7	21257.0
52.5°	22872.8	25418.7	28245.6	29982.4	29727.3	26132.6	23047.9	24011.7	22532.6	21878.0
55°	23697.4	26405.7	29539.2	31206.5	30832.8	27060.2	23643.2	24351.9	23290.1	22738.7
57.5°	24158.6	26488.1	29217.1	30673.0	30268.5	26879.8	23916.4	24604.4	23774.6	23341.7
58°	24225.6	26377.3	28931.1	30363.8	29951.5	26727.8	23913.8	24594.1	23805.6	23370.0
60°	24166.3	25658.4	27866.8	29142.3	28709.5	25774.3	23815.9	24400.9	23413.9	23045.4
62.5°	23617.5	24411.1	26029.5	26957.2	26833.5	24284.9	23413.9	23671.5	22220.7	21865.2
65°	22895.9	22710.4	23676.8	24333.8	24426.6	23169.0	23014.5	22094.5	20690.1	20187.6
67.5°	22019.7	20782.9	20780.3	21153.9	21308.5	21452.8	22182.1	20380.9	18484.3	17953.4
70°	20532.8	17811.6	16992.2	17432.8	17304.0	18522.9	20695.2	17974.0	15824.8	15203.9
72.5°	17806.5	14134.4	12822.7	13389.6	13064.9	14526.1	18108.0	14791.5	13085.6	12322.8
75°	14433.3	10573.1	9220.2	9740.7	9539.7	11018.9	15067.3	10743.2	9385.1	9094.0
77.5°	11207.0	7661.2	6875.2	6803.1	6952.5	8199.8	11052.4	7254.0	6187.2	5988.8
80°	7199.9	5483.7	5530.1	5437.3	5514.6	5169.3	6710.3	4628.1	4190.0	4030.3
82.5°	4739.0	3821.6	4555.9	4205.5	3994.2	3476.3	4401.4	3030.5	2571.8	2484.1
85°	3228.9	2814.0	2561.4	1958.4	2306.4	2677.4	3301.0	1631.2	1293.6	1172.5
87.5°	1458.5	979.3	719.0	443.2	700.9	809.1	1602.9	190.7	146.9	152.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)