

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: P526599

Luminaire Tested: **GALN-SA1C-740-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526599
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-740-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3933 lumens
Efficiency: N/A
Efficacy: 69.0 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

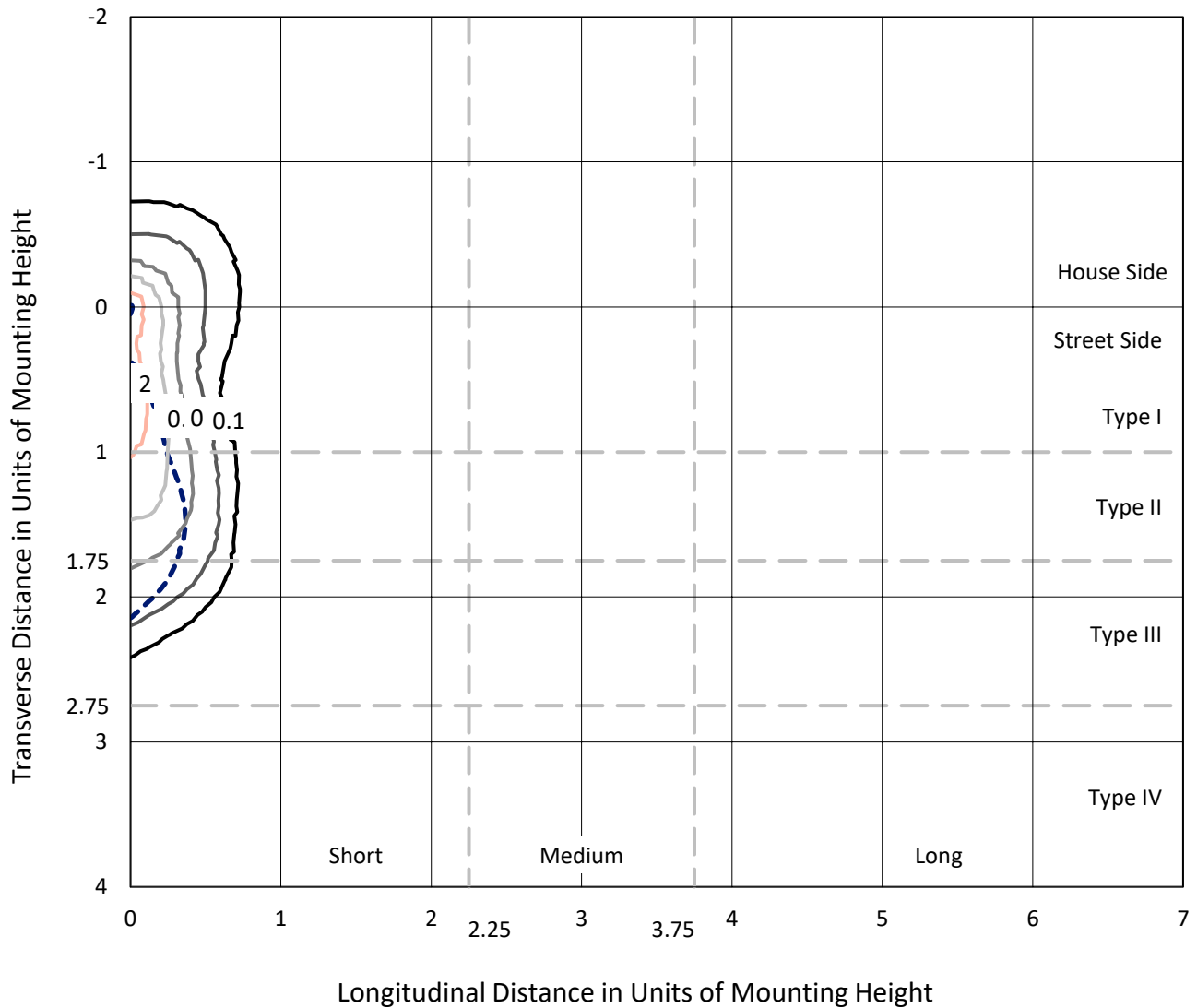
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526599
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Iso-Footcandle Lines of Horizontal Illumination

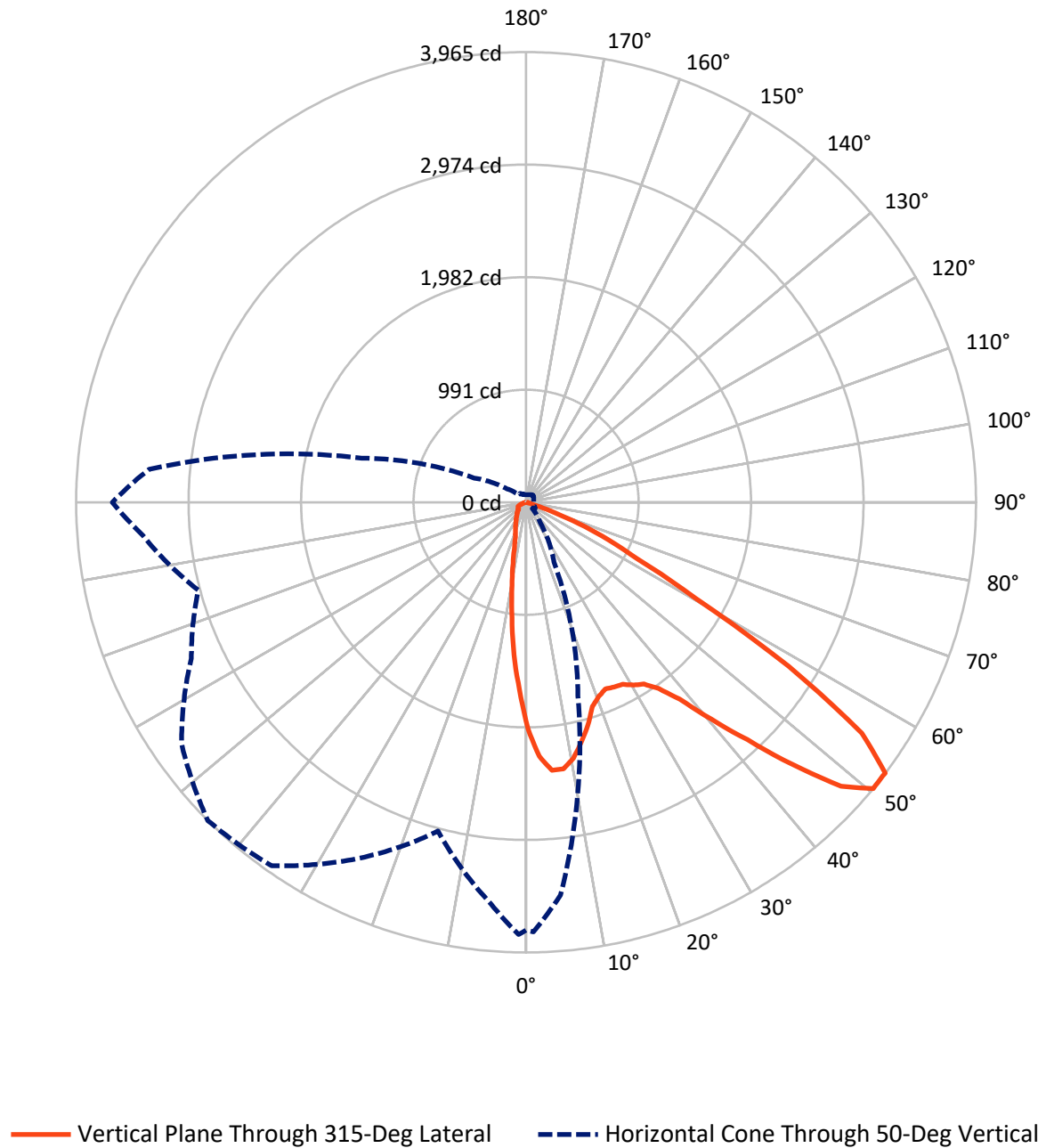
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 787.8 | 0.0 | 787.8 |
| | % Fixture | 20.0 | 0.0 | 20.0 |
| Street Side | Lumens | 3145.2 | 0.0 | 3145.2 |
| | % Fixture | 80.0 | 0.0 | 80.0 |
| Total | Lumens | 3933.0 | 0.0 | 3933.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 145.4 | 3.7 |
| 10°-20° | 288.9 | 7.3 |
| 20°-30° | 434.1 | 11.0 |
| 30°-40° | 651.5 | 16.6 |
| 40°-50° | 915.7 | 23.3 |
| 50°-60° | 987.7 | 25.1 |
| 60°-70° | 458.6 | 11.7 |
| 70°-80° | 43.1 | 1.1 |
| 80°-90° | 8.0 | 0.2 |
| 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° | 3933.0 | 100.0 |
| 0°-180° | 3933.0 | 100.0 |

Coefficient of Utilization

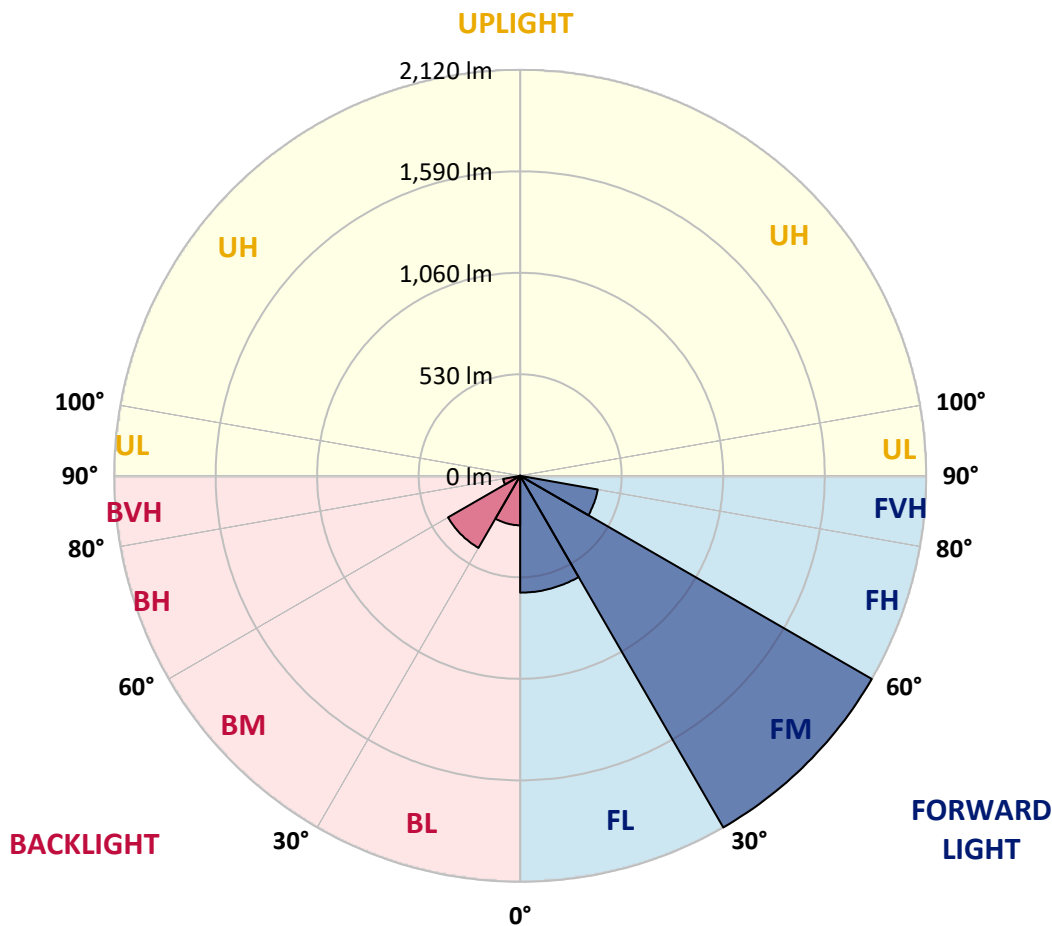


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 CATALOG NUMBER: GALN-SA1C-740-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 610.2 | 15.5 | | | |
| FM (30°-60°) | 2120.2 | 53.9 | | | |
| FH (60°-80°) | 411.3 | 10.5 | | | G0/660 |
| FVH (80°-90°) | 3.6 | 0.1 | | | G0/10 |
| BL (0°-30°) | 258.2 | 6.6 | B1/500 | | |
| BM (30°-60°) | 434.7 | 11.1 | B1/1000 | | |
| BH (60°-80°) | 90.5 | 2.3 | B0/110 | | G0/110 |
| BVH (80°-90°) | 4.4 | 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-G0
 Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 |
| 2.5° | 2073.3 | 2041.3 | 2000.8 | 1967.2 | 1917.3 | 1816.6 | 1789.3 | 1756.5 | 1729.2 | 1692.5 | 1641.0 |
| 5° | 1885.3 | 1875.1 | 1856.4 | 1730.0 | 1638.7 | 1517.0 | 1417.1 | 1374.9 | 1319.5 | 1274.3 | 1241.5 |
| 7.5° | 1741.7 | 1701.1 | 1641.8 | 1514.6 | 1368.7 | 1238.4 | 1127.6 | 1062.8 | 989.5 | 964.5 | 920.0 |
| 10° | 1588.0 | 1597.3 | 1509.9 | 1331.2 | 1154.9 | 1049.5 | 980.9 | 918.4 | 852.1 | 808.4 | 745.2 |
| 12.5° | 1538.8 | 1508.4 | 1441.3 | 1220.4 | 1069.8 | 971.5 | 888.0 | 810.8 | 740.5 | 670.3 | 609.4 |
| 15° | 1570.8 | 1524.0 | 1430.3 | 1197.0 | 1004.3 | 881.8 | 777.2 | 672.6 | 607.9 | 518.1 | 454.9 |
| 17.5° | 1685.5 | 1648.1 | 1522.4 | 1222.0 | 970.7 | 795.9 | 640.7 | 533.0 | 433.9 | 352.7 | 320.7 |
| 20° | 1876.7 | 1823.6 | 1666.0 | 1254.0 | 920.8 | 692.2 | 519.7 | 387.0 | 293.4 | 259.1 | 241.1 |
| 22.5° | 2064.0 | 2035.1 | 1836.1 | 1315.6 | 876.3 | 600.1 | 390.2 | 260.6 | 219.3 | 213.0 | 201.3 |
| 25° | 2420.6 | 2334.0 | 2096.0 | 1427.2 | 842.0 | 513.5 | 294.2 | 209.9 | 185.7 | 181.0 | 182.6 |
| 27.5° | 2632.8 | 2560.3 | 2336.3 | 1501.4 | 803.7 | 447.1 | 248.9 | 192.7 | 176.4 | 166.2 | 162.3 |
| 30° | 2836.5 | 2752.2 | 2455.7 | 1545.1 | 721.8 | 376.9 | 220.8 | 184.9 | 181.0 | 166.2 | 161.5 |
| 32.5° | 2993.4 | 2910.6 | 2628.2 | 1610.6 | 688.3 | 331.6 | 181.8 | 144.4 | 134.2 | 132.7 | 146.7 |
| 35° | 3233.7 | 3145.5 | 2775.6 | 1646.5 | 662.5 | 308.2 | 157.6 | 128.8 | 117.0 | 112.4 | 113.1 |
| 37.5° | 3457.6 | 3397.6 | 2912.2 | 1660.5 | 635.2 | 301.2 | 141.2 | 115.5 | 105.3 | 102.2 | 101.4 |
| 40° | 3644.9 | 3510.7 | 3041.7 | 1675.4 | 623.5 | 287.9 | 131.1 | 105.3 | 98.3 | 93.6 | 93.6 |
| 42.5° | 3730.8 | 3594.2 | 3186.9 | 1666.8 | 620.4 | 266.9 | 131.1 | 96.8 | 91.3 | 86.6 | 85.8 |
| 45° | 3712.0 | 3656.6 | 3251.6 | 1662.9 | 620.4 | 245.8 | 119.4 | 94.4 | 86.6 | 80.4 | 78.8 |
| 47.5° | 3760.4 | 3687.8 | 3332.8 | 1679.3 | 607.9 | 231.0 | 100.7 | 99.1 | 81.9 | 74.1 | 72.6 |
| 50° | 3769.0 | 3783.0 | 3474.0 | 1764.3 | 580.6 | 212.3 | 78.8 | 97.5 | 78.8 | 67.1 | 65.5 |
| 52° | 3825.2 | 3737.8 | 3517.0 | 1809.6 | 551.7 | 198.2 | 66.3 | 83.5 | 75.7 | 62.4 | 60.9 |
| 52.5° | 3747.9 | 3804.9 | 3527.1 | 1826.0 | 554.8 | 188.8 | 64.0 | 81.9 | 74.1 | 62.4 | 58.5 |
| 55° | 3661.3 | 3715.9 | 3485.7 | 1861.1 | 508.8 | 148.3 | 49.9 | 59.3 | 67.1 | 54.6 | 52.3 |
| 57.5° | 3182.2 | 3237.6 | 3029.2 | 1704.2 | 414.4 | 104.6 | 41.4 | 44.5 | 59.3 | 50.7 | 48.4 |
| 60° | 2828.7 | 2788.9 | 2542.3 | 1421.8 | 294.2 | 58.5 | 32.8 | 34.3 | 64.8 | 46.8 | 46.0 |
| 62.5° | 2585.2 | 2500.2 | 2124.8 | 1097.9 | 179.5 | 39.0 | 25.8 | 26.5 | 49.9 | 43.7 | 43.7 |
| 65° | 1912.6 | 1817.4 | 1411.6 | 664.1 | 88.2 | 27.3 | 19.5 | 21.1 | 31.2 | 37.5 | 37.5 |
| 67.5° | 1091.7 | 1055.0 | 682.0 | 299.6 | 36.7 | 17.2 | 14.8 | 16.4 | 24.2 | 30.4 | 28.9 |
| 70° | 501.8 | 450.3 | 262.2 | 63.2 | 17.2 | 11.7 | 11.7 | 13.3 | 19.5 | 22.6 | 21.1 |
| 72.5° | 146.7 | 138.9 | 64.0 | 10.1 | 7.0 | 7.0 | 7.8 | 10.1 | 14.8 | 17.2 | 15.6 |
| 75° | 10.9 | 7.0 | 4.7 | 3.1 | 3.1 | 4.7 | 6.2 | 10.1 | 14.8 | 16.4 | 13.3 |
| 77.5° | 0.8 | 1.6 | 0.8 | 0.8 | 2.3 | 4.7 | 7.0 | 12.5 | 19.5 | 20.3 | 14.8 |
| 80° | 0.8 | 0.8 | 0.0 | 0.8 | 2.3 | 4.7 | 7.8 | 14.0 | 21.8 | 23.4 | 12.5 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.8 | 3.1 | 6.2 | 9.4 | 14.8 | 20.3 | 25.0 | 13.3 |
| 85° | 0.0 | 0.0 | 0.0 | 0.8 | 4.7 | 8.6 | 10.9 | 3.9 | 2.3 | 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° | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 |
| 2.5° | 1677.7 | 1657.4 | 1649.6 | 1656.6 | 1654.3 | 1652.0 | 1694.9 | 1685.5 | 1684.0 | 1698.0 | 1694.9 |
| 5° | 1259.5 | 1223.6 | 1321.9 | 1282.1 | 1323.4 | 1348.4 | 1353.1 | 1355.4 | 1384.3 | 1353.9 | 1393.7 |
| 7.5° | 897.4 | 906.7 | 906.0 | 932.5 | 980.1 | 1022.2 | 1047.2 | 1027.7 | 1026.1 | 1022.2 | 1005.1 |
| 10° | 717.1 | 700.7 | 697.6 | 691.4 | 706.2 | 742.1 | 772.5 | 748.3 | 731.2 | 754.6 | 747.6 |
| 12.5° | 586.0 | 563.4 | 550.9 | 525.9 | 526.7 | 550.9 | 550.9 | 550.9 | 568.1 | 581.3 | 591.5 |
| 15° | 449.5 | 430.7 | 430.7 | 405.8 | 400.3 | 401.1 | 413.6 | 415.1 | 442.4 | 450.3 | 454.2 |
| 17.5° | 314.5 | 304.3 | 316.0 | 326.2 | 319.9 | 321.5 | 326.2 | 327.7 | 331.6 | 328.5 | 336.3 |
| 20° | 241.9 | 240.3 | 243.5 | 261.4 | 274.7 | 282.5 | 277.0 | 269.2 | 264.5 | 253.6 | 253.6 |
| 22.5° | 205.2 | 208.3 | 213.8 | 228.6 | 245.8 | 250.5 | 244.2 | 226.3 | 212.3 | 210.7 | 211.5 |
| 25° | 182.6 | 185.7 | 194.3 | 203.7 | 213.0 | 220.8 | 214.6 | 201.3 | 193.5 | 186.5 | 186.5 |
| 27.5° | 168.6 | 170.1 | 174.8 | 181.8 | 189.6 | 195.9 | 193.5 | 186.5 | 177.9 | 174.8 | 167.8 |
| 30° | 157.6 | 160.0 | 165.4 | 167.0 | 174.0 | 177.1 | 173.2 | 171.7 | 166.2 | 162.3 | 160.0 |
| 32.5° | 152.2 | 151.4 | 155.3 | 156.8 | 157.6 | 160.0 | 155.3 | 157.6 | 156.8 | 150.6 | 148.3 |
| 35° | 114.7 | 121.0 | 131.1 | 139.7 | 142.0 | 145.1 | 144.4 | 141.2 | 132.7 | 125.6 | 117.0 |
| 37.5° | 103.0 | 106.9 | 112.4 | 119.4 | 128.8 | 132.7 | 131.1 | 123.3 | 113.1 | 108.5 | 106.9 |
| 40° | 95.2 | 97.5 | 102.2 | 106.9 | 116.3 | 123.3 | 117.8 | 110.8 | 103.0 | 99.1 | 96.8 |
| 42.5° | 88.2 | 89.0 | 91.3 | 96.0 | 103.0 | 113.9 | 104.6 | 95.2 | 92.1 | 89.7 | 88.2 |
| 45° | 80.4 | 80.4 | 83.5 | 85.8 | 93.6 | 103.8 | 94.4 | 85.8 | 84.3 | 82.7 | 81.9 |
| 47.5° | 74.1 | 74.9 | 76.5 | 79.6 | 85.8 | 92.9 | 86.6 | 79.6 | 75.7 | 74.9 | 73.4 |
| 50° | 66.3 | 67.1 | 70.2 | 73.4 | 81.2 | 85.1 | 81.2 | 73.4 | 69.4 | 67.1 | 67.1 |
| 52° | 60.1 | 62.4 | 65.5 | 71.8 | 77.3 | 83.5 | 78.8 | 70.2 | 65.5 | 63.2 | 61.6 |
| 52.5° | 59.3 | 60.9 | 64.0 | 71.0 | 77.3 | 82.7 | 78.0 | 69.4 | 64.0 | 62.4 | 60.9 |
| 55° | 53.1 | 55.4 | 60.9 | 69.4 | 76.5 | 82.7 | 76.5 | 68.7 | 60.9 | 57.0 | 55.4 |
| 57.5° | 50.7 | 52.3 | 59.3 | 70.2 | 75.7 | 82.7 | 76.5 | 68.7 | 60.9 | 53.8 | 52.3 |
| 60° | 48.4 | 51.5 | 59.3 | 67.9 | 74.9 | 83.5 | 77.3 | 67.9 | 59.3 | 50.7 | 50.7 |
| 62.5° | 46.0 | 48.4 | 58.5 | 66.3 | 71.8 | 80.4 | 74.1 | 66.3 | 57.0 | 48.4 | 47.6 |
| 65° | 39.8 | 43.7 | 51.5 | 55.4 | 61.6 | 69.4 | 63.2 | 57.7 | 49.9 | 42.9 | 42.1 |
| 67.5° | 30.4 | 32.0 | 38.2 | 42.9 | 46.8 | 53.8 | 50.7 | 43.7 | 38.2 | 32.8 | 32.8 |
| 70° | 21.1 | 22.6 | 27.3 | 29.7 | 33.6 | 37.5 | 35.1 | 29.7 | 25.8 | 22.6 | 21.8 |
| 72.5° | 14.8 | 15.6 | 17.2 | 18.7 | 20.3 | 21.8 | 21.1 | 17.2 | 14.8 | 14.0 | 13.3 |
| 75° | 11.7 | 13.3 | 14.0 | 13.3 | 12.5 | 11.7 | 11.7 | 10.1 | 8.6 | 7.8 | 7.8 |
| 77.5° | 11.7 | 12.5 | 11.7 | 10.1 | 8.6 | 7.8 | 7.0 | 6.2 | 4.7 | 3.9 | 4.7 |
| 80° | 10.1 | 10.1 | 10.1 | 8.6 | 7.8 | 7.0 | 6.2 | 5.5 | 4.7 | 3.9 | 3.9 |
| 82.5° | 10.9 | 10.9 | 10.1 | 8.6 | 8.6 | 7.0 | 7.0 | 6.2 | 5.5 | 3.9 | 3.9 |
| 85° | 0.0 | 0.0 | 0.0 | 1.6 | 3.9 | 7.0 | 7.0 | 6.2 | 5.5 | 4.7 | 4.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.6 | 3.1 | 3.9 | 4.7 | 4.7 | 4.7 |
| 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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CATALOG NUMBER: GALN-SA1C-740-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 | 1994.5 |
| 2.5° | 1723.0 | 1752.6 | 1808.8 | 1865.0 | 1899.3 | 1939.9 | 2013.3 | 2052.3 | 2103.0 | 2128.0 | 2177.1 |
| 5° | 1388.2 | 1458.4 | 1483.4 | 1547.4 | 1616.1 | 1684.7 | 1794.0 | 1914.2 | 2014.0 | 2082.7 | 2171.7 |
| 7.5° | 1012.9 | 1029.3 | 1126.0 | 1168.9 | 1281.3 | 1406.2 | 1555.2 | 1706.6 | 1833.0 | 1945.4 | 2013.3 |
| 10° | 759.3 | 819.3 | 880.2 | 962.1 | 1052.7 | 1181.4 | 1324.2 | 1491.2 | 1655.1 | 1767.5 | 1853.3 |
| 12.5° | 610.2 | 657.8 | 739.0 | 827.2 | 938.7 | 1023.8 | 1167.4 | 1332.8 | 1545.1 | 1655.1 | 1768.2 |
| 15° | 462.0 | 522.8 | 614.9 | 706.2 | 824.0 | 913.8 | 1058.9 | 1267.3 | 1540.4 | 1691.8 | 1789.3 |
| 17.5° | 342.6 | 383.9 | 466.6 | 568.9 | 689.0 | 815.4 | 1011.3 | 1260.2 | 1592.7 | 1772.9 | 1873.6 |
| 20° | 262.2 | 276.2 | 328.5 | 419.8 | 550.1 | 715.6 | 934.1 | 1290.7 | 1747.2 | 1970.3 | 2072.6 |
| 22.5° | 212.3 | 218.5 | 238.8 | 302.0 | 428.4 | 628.2 | 897.4 | 1311.7 | 1921.2 | 2206.8 | 2343.3 |
| 25° | 184.9 | 183.4 | 196.6 | 224.0 | 334.8 | 546.2 | 850.6 | 1391.3 | 2134.2 | 2484.6 | 2607.1 |
| 27.5° | 168.6 | 168.6 | 174.8 | 194.3 | 277.8 | 493.2 | 820.9 | 1448.3 | 2348.8 | 2728.8 | 2795.1 |
| 30° | 160.0 | 161.5 | 179.5 | 185.7 | 231.0 | 430.0 | 771.7 | 1506.0 | 2554.0 | 2884.9 | 2976.2 |
| 32.5° | 148.3 | 142.0 | 138.1 | 153.7 | 194.3 | 373.0 | 722.6 | 1530.2 | 2720.2 | 3076.1 | 3154.1 |
| 35° | 113.9 | 110.8 | 115.5 | 127.2 | 167.0 | 324.6 | 668.0 | 1557.5 | 2911.4 | 3297.7 | 3313.3 |
| 37.5° | 103.0 | 102.2 | 105.3 | 115.5 | 140.5 | 282.5 | 628.9 | 1550.5 | 3057.3 | 3481.1 | 3438.9 |
| 40° | 95.2 | 95.2 | 97.5 | 106.1 | 125.6 | 252.8 | 588.4 | 1544.3 | 3198.6 | 3687.1 | 3563.8 |
| 42.5° | 89.0 | 89.0 | 92.9 | 98.3 | 119.4 | 233.3 | 557.9 | 1535.7 | 3317.2 | 3813.5 | 3637.1 |
| 45° | 80.4 | 82.7 | 89.0 | 94.4 | 121.0 | 220.1 | 535.3 | 1502.9 | 3357.8 | 3811.9 | 3602.0 |
| 47.5° | 74.1 | 77.3 | 83.5 | 91.3 | 109.2 | 216.2 | 519.7 | 1474.0 | 3343.7 | 3718.3 | 3492.0 |
| 50° | 67.1 | 71.0 | 79.6 | 92.9 | 92.9 | 208.3 | 503.3 | 1499.8 | 3333.6 | 3645.7 | 3386.6 |
| 52° | 62.4 | 65.5 | 76.5 | 90.5 | 81.2 | 192.0 | 493.2 | 1549.7 | 3374.9 | 3636.3 | 3339.8 |
| 52.5° | 61.6 | 64.0 | 74.1 | 89.0 | 77.3 | 188.8 | 486.1 | 1561.4 | 3388.2 | 3612.9 | 3371.8 |
| 55° | 54.6 | 57.7 | 67.9 | 69.4 | 63.2 | 155.3 | 463.5 | 1588.0 | 3322.7 | 3566.9 | 3341.4 |
| 57.5° | 51.5 | 53.1 | 60.1 | 57.0 | 54.6 | 117.0 | 398.7 | 1546.6 | 2951.2 | 3168.1 | 3108.8 |
| 60° | 47.6 | 49.2 | 56.2 | 44.5 | 46.0 | 81.9 | 299.6 | 1343.0 | 2369.9 | 2639.9 | 2746.8 |
| 62.5° | 46.0 | 45.3 | 53.1 | 35.9 | 39.0 | 59.3 | 211.5 | 1091.7 | 1826.0 | 2173.2 | 2358.2 |
| 65° | 40.6 | 39.8 | 38.2 | 30.4 | 33.6 | 46.0 | 126.4 | 712.4 | 1286.8 | 1644.2 | 1745.6 |
| 67.5° | 31.2 | 32.8 | 28.1 | 24.2 | 28.1 | 35.9 | 70.2 | 319.2 | 675.0 | 986.3 | 1068.3 |
| 70° | 21.8 | 23.4 | 22.6 | 21.1 | 25.0 | 29.7 | 40.6 | 109.2 | 279.4 | 518.1 | 571.2 |
| 72.5° | 13.3 | 16.4 | 17.2 | 17.9 | 21.8 | 25.8 | 28.9 | 35.1 | 74.1 | 183.4 | 227.9 |
| 75° | 7.8 | 10.9 | 13.3 | 15.6 | 17.9 | 21.8 | 24.2 | 25.0 | 25.8 | 34.3 | 55.4 |
| 77.5° | 5.5 | 7.8 | 11.7 | 14.8 | 17.9 | 21.8 | 25.8 | 27.3 | 25.8 | 24.2 | 25.8 |
| 80° | 4.7 | 7.8 | 10.9 | 14.0 | 18.7 | 22.6 | 25.8 | 25.8 | 25.0 | 21.8 | 23.4 |
| 82.5° | 4.7 | 7.8 | 11.7 | 14.8 | 17.9 | 21.8 | 25.0 | 25.8 | 23.4 | 21.8 | 22.6 |
| 85° | 5.5 | 8.6 | 12.5 | 15.6 | 19.5 | 17.9 | 16.4 | 13.3 | 12.5 | 10.1 | 10.9 |
| 87.5° | 5.5 | 7.8 | 7.8 | 8.6 | 9.4 | 9.4 | 9.4 | 8.6 | 7.0 | 6.2 | 6.2 |
| 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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| 2.5° | 2179.5 | 2241.9 | 2239.6 | 2241.1 | 2231.7 | 2168.5 | 2138.1 | 2060.9 | 2082.7 | 2073.3 |
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| 22.5° | 2169.3 | 1943.0 | 1772.1 | 1786.2 | 1860.3 | 2077.2 | 2266.1 | 2217.7 | 2110.0 | 2064.0 |
| 25° | 2369.9 | 1988.3 | 1792.4 | 1801.8 | 1903.2 | 2165.4 | 2458.0 | 2493.9 | 2430.0 | 2420.6 |
| 27.5° | 2565.7 | 2105.3 | 1836.9 | 1815.8 | 1925.1 | 2251.3 | 2574.3 | 2767.1 | 2654.7 | 2632.8 |
| 30° | 2665.6 | 2200.5 | 1903.2 | 1867.3 | 2015.6 | 2303.5 | 2644.5 | 2945.0 | 2846.6 | 2836.5 |
| 32.5° | 2818.6 | 2287.2 | 1954.7 | 1908.7 | 2066.3 | 2368.3 | 2775.6 | 3139.3 | 3044.1 | 2993.4 |
| 35° | 2882.5 | 2381.6 | 2067.9 | 2014.0 | 2211.5 | 2458.8 | 2842.7 | 3312.5 | 3282.9 | 3233.7 |
| 37.5° | 3005.8 | 2483.0 | 2201.3 | 2198.2 | 2387.0 | 2576.7 | 2963.7 | 3548.2 | 3542.7 | 3457.6 |
| 40° | 3016.0 | 2593.8 | 2412.0 | 2510.3 | 2658.6 | 2781.9 | 3069.8 | 3613.7 | 3702.7 | 3644.9 |
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| 45° | 3038.6 | 2982.4 | 3147.1 | 3296.9 | 3350.0 | 3189.2 | 3037.0 | 3599.7 | 3797.9 | 3712.0 |
| 47.5° | 2982.4 | 3149.4 | 3446.7 | 3736.2 | 3751.8 | 3331.2 | 3021.4 | 3569.2 | 3817.4 | 3760.4 |
| 50° | 2990.2 | 3254.0 | 3705.8 | 3964.9 | 3907.9 | 3456.9 | 2997.3 | 3550.5 | 3807.2 | 3769.0 |
| 52° | 2971.5 | 3256.3 | 3742.5 | 3960.2 | 3920.4 | 3387.4 | 2955.9 | 3478.7 | 3797.9 | 3825.2 |
| 52.5° | 2992.6 | 3242.3 | 3704.2 | 3963.3 | 3911.8 | 3421.8 | 2950.4 | 3518.5 | 3803.3 | 3747.9 |
| 55° | 2920.0 | 3075.3 | 3480.3 | 3590.3 | 3582.5 | 3105.7 | 2782.7 | 3386.6 | 3660.5 | 3661.3 |
| 57.5° | 2639.1 | 2665.6 | 2729.6 | 2727.3 | 2691.4 | 2441.7 | 2380.0 | 3114.3 | 3263.3 | 3182.2 |
| 60° | 2325.4 | 1951.6 | 1779.2 | 1708.9 | 1669.1 | 1628.6 | 2105.3 | 2849.0 | 2863.0 | 2828.7 |
| 62.5° | 2009.4 | 1353.1 | 1123.7 | 1104.2 | 1113.5 | 1261.8 | 2035.1 | 2743.6 | 2659.4 | 2585.2 |
| 65° | 1621.5 | 986.3 | 816.2 | 790.5 | 881.8 | 1041.7 | 1647.3 | 2103.8 | 1974.2 | 1912.6 |
| 67.5° | 1018.3 | 719.5 | 551.7 | 503.3 | 613.3 | 717.1 | 1082.3 | 1321.9 | 1176.7 | 1091.7 |
| 70° | 604.0 | 401.9 | 249.7 | 224.0 | 252.0 | 382.4 | 606.3 | 659.4 | 545.5 | 501.8 |
| 72.5° | 238.0 | 147.5 | 69.4 | 59.3 | 61.6 | 134.2 | 223.2 | 217.7 | 164.6 | 146.7 |
| 75° | 64.0 | 44.5 | 24.2 | 19.5 | 16.4 | 25.0 | 35.9 | 23.4 | 8.6 | 10.9 |
| 77.5° | 29.7 | 26.5 | 21.1 | 16.4 | 12.5 | 9.4 | 4.7 | 1.6 | 1.6 | 0.8 |
| 80° | 25.8 | 22.6 | 19.5 | 16.4 | 12.5 | 7.8 | 3.9 | 0.8 | 0.8 | 0.8 |
| 82.5° | 24.2 | 21.1 | 17.9 | 14.8 | 11.7 | 7.8 | 3.9 | 0.8 | 0.0 | 0.0 |
| 85° | 10.1 | 13.3 | 14.8 | 14.0 | 12.5 | 7.8 | 3.9 | 0.8 | 0.0 | 0.0 |
| 87.5° | 5.5 | 4.7 | 3.9 | 3.1 | 2.3 | 1.6 | 1.6 | 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 |

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