

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: P450173

Luminaire Tested: **GALN-SA1A-722-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1A-722-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2443 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

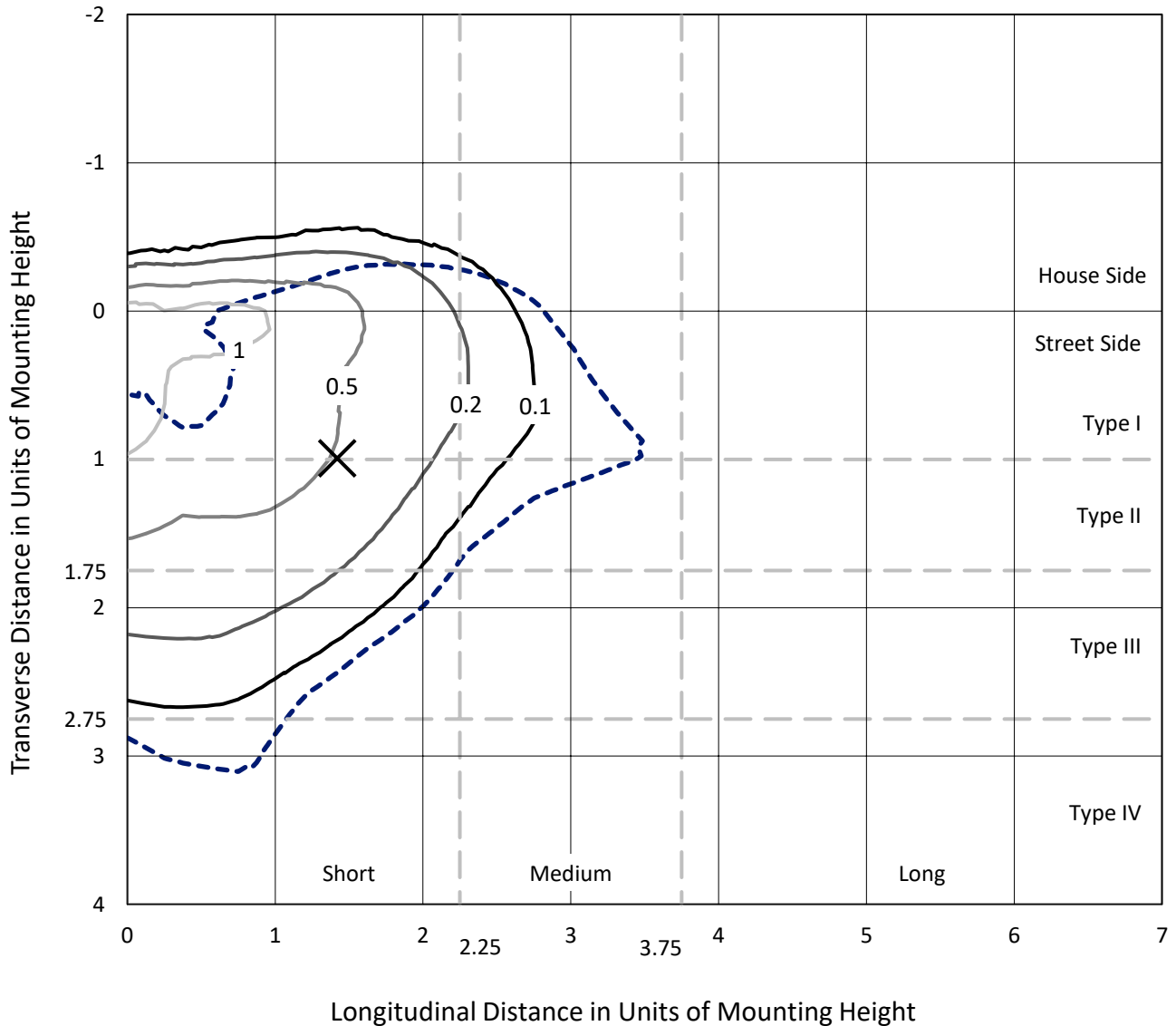
Input Watts (W): 33
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P450173
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Iso-Footcandle Lines of Horizontal Illumination

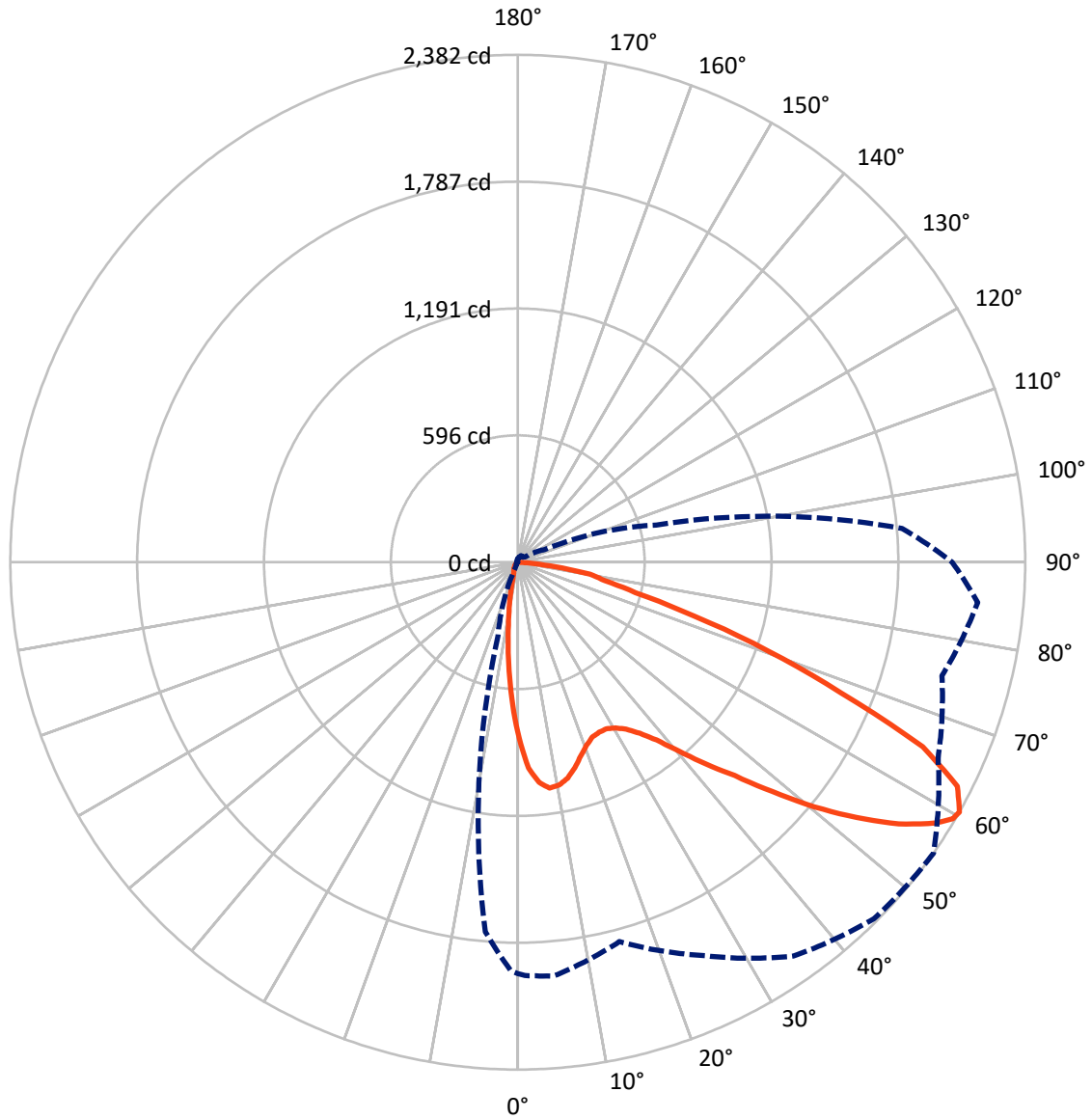
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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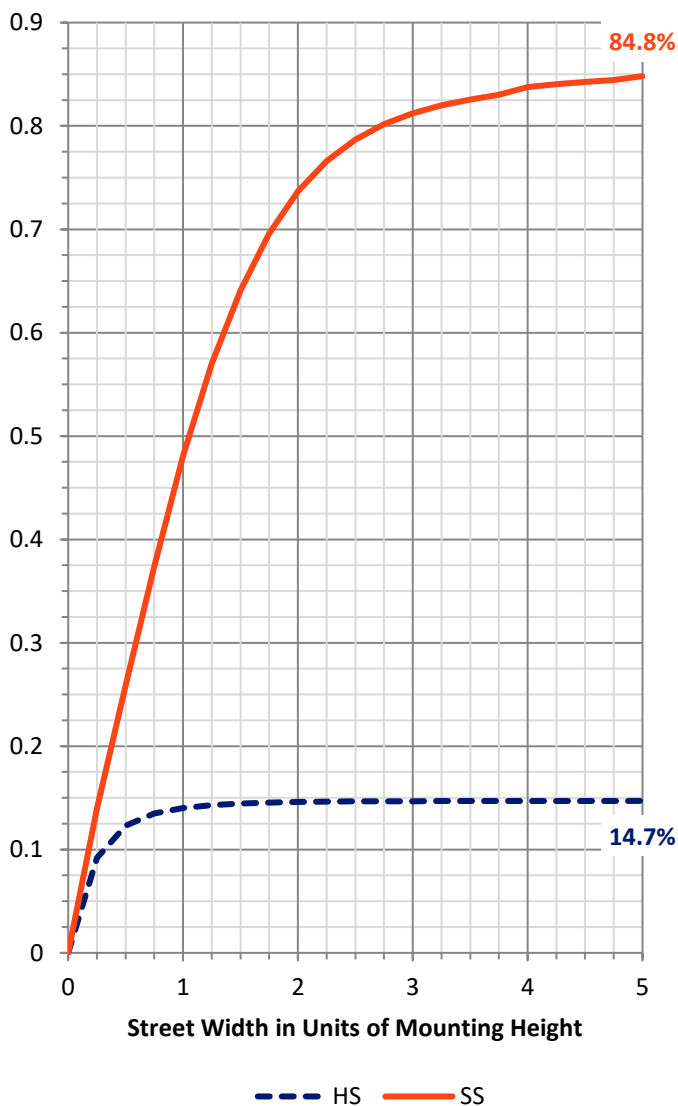
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 362.6 | 0.0 | 362.6 |
| | % Fixture | 14.8 | 0.0 | 14.8 |
| Street Side | Lumens | 2080.4 | 0.0 | 2080.4 |
| | % Fixture | 85.2 | 0.0 | 85.2 |
| Total | Lumens | 2443.0 | 0.0 | 2443.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 61.3 | 2.5 |
| 10°-20° | 120.6 | 4.9 |
| 20°-30° | 178.5 | 7.3 |
| 30°-40° | 266.1 | 10.9 |
| 40°-50° | 389.8 | 16.0 |
| 50°-60° | 562.7 | 23.0 |
| 60°-70° | 591.9 | 24.2 |
| 70°-80° | 243.5 | 10.0 |
| 80°-90° | 28.5 | 1.2 |
| 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° | 2443.0 | 100.0 |
| 0°-180° | 2443.0 | 100.0 |

Coefficient of Utilization



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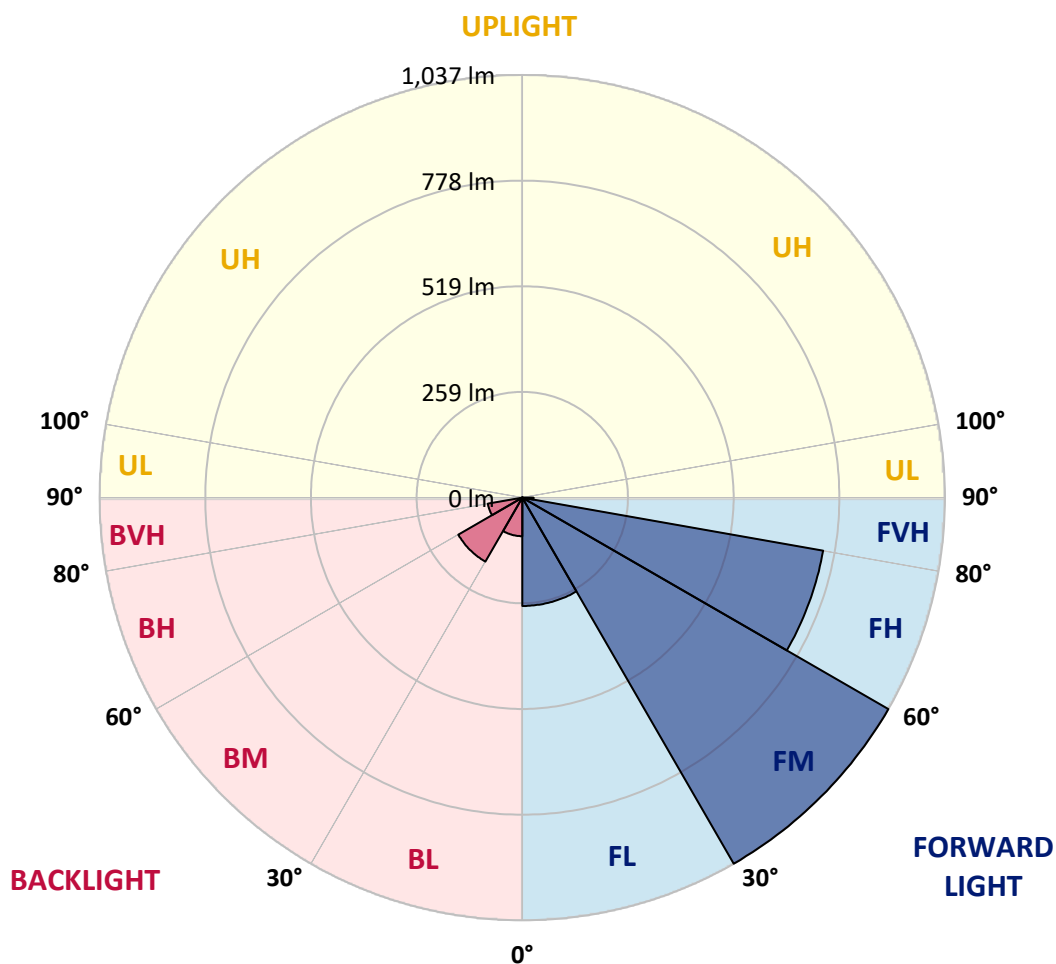
CATALOG NUMBER: GALN-SA1A-722-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 265.8 | 10.9 | | | |
| FM | (30°-60°) | 1037.3 | 42.5 | | | |
| FH | (60°-80°) | 749.6 | 30.7 | | | G1/1800 |
| FVH | (80°-90°) | 27.7 | 1.1 | | | G1/100 |
| BL | (0°-30°) | 94.6 | 3.9 | B0/110 | | |
| BM | (30°-60°) | 181.3 | 7.4 | B0/220 | | |
| BH | (60°-80°) | 85.8 | 3.5 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 0.8 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1

Type III Short





REPORT NUMBER: P450173

CATALOG NUMBER: GALN-SA1A-722-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 |
| 2.5° | 903.7 | 902.2 | 915.6 | 937.4 | 959.4 | 970.9 | 968.6 | 967.7 | 949.4 | 936.1 | 908.1 |
| 5° | 901.8 | 909.6 | 933.4 | 992.5 | 1037.2 | 1058.9 | 1065.3 | 1038.4 | 1002.8 | 951.3 | 887.7 |
| 7.5° | 847.9 | 857.5 | 896.4 | 988.7 | 1068.3 | 1115.3 | 1113.6 | 1070.5 | 997.2 | 917.5 | 826.8 |
| 10° | 780.9 | 792.2 | 837.9 | 950.0 | 1053.2 | 1115.3 | 1118.7 | 1064.1 | 972.9 | 870.6 | 775.3 |
| 12.5° | 733.7 | 747.1 | 797.7 | 913.9 | 1014.5 | 1075.6 | 1079.5 | 1040.1 | 954.7 | 852.6 | 747.3 |
| 15° | 717.8 | 730.4 | 781.7 | 895.6 | 973.3 | 1006.2 | 1005.3 | 1001.1 | 947.5 | 856.9 | 748.8 |
| 17.5° | 745.2 | 755.5 | 813.5 | 903.9 | 934.8 | 931.4 | 936.3 | 956.2 | 949.0 | 893.2 | 796.2 |
| 20° | 816.1 | 826.6 | 888.9 | 929.3 | 905.2 | 883.8 | 886.0 | 919.3 | 963.0 | 961.5 | 870.3 |
| 22.5° | 913.7 | 931.6 | 988.0 | 978.6 | 901.3 | 854.3 | 849.6 | 892.8 | 986.7 | 1040.1 | 970.3 |
| 25° | 1037.2 | 1055.3 | 1099.3 | 1057.2 | 920.6 | 847.3 | 843.0 | 884.7 | 1015.4 | 1116.8 | 1082.9 |
| 27.5° | 1141.0 | 1154.8 | 1198.6 | 1133.7 | 949.2 | 850.3 | 843.2 | 885.9 | 1038.7 | 1182.0 | 1177.9 |
| 30° | 1224.1 | 1234.3 | 1260.1 | 1169.4 | 973.9 | 863.5 | 855.2 | 902.4 | 1049.1 | 1213.8 | 1254.8 |
| 32.5° | 1291.1 | 1308.2 | 1316.3 | 1207.6 | 1009.2 | 888.3 | 874.2 | 934.2 | 1074.3 | 1253.1 | 1335.5 |
| 35° | 1367.6 | 1387.4 | 1377.0 | 1244.1 | 1055.9 | 927.0 | 909.7 | 985.7 | 1112.5 | 1289.4 | 1429.1 |
| 37.5° | 1464.7 | 1487.4 | 1447.0 | 1282.4 | 1105.1 | 985.3 | 977.2 | 1058.1 | 1170.4 | 1341.3 | 1529.5 |
| 40° | 1565.1 | 1578.2 | 1514.9 | 1329.1 | 1165.7 | 1070.1 | 1077.9 | 1165.7 | 1246.1 | 1403.5 | 1636.3 |
| 42.5° | 1643.5 | 1655.9 | 1584.6 | 1368.2 | 1227.5 | 1170.7 | 1202.9 | 1295.4 | 1333.0 | 1467.3 | 1716.1 |
| 45° | 1703.5 | 1714.0 | 1632.9 | 1410.9 | 1311.0 | 1316.5 | 1377.2 | 1429.1 | 1420.1 | 1506.2 | 1777.6 |
| 47.5° | 1750.1 | 1759.1 | 1670.2 | 1456.8 | 1436.1 | 1494.7 | 1587.6 | 1609.6 | 1510.3 | 1548.3 | 1833.2 |
| 50° | 1769.3 | 1771.9 | 1681.8 | 1515.2 | 1578.0 | 1721.9 | 1818.7 | 1805.4 | 1613.8 | 1595.2 | 1892.4 |
| 52.5° | 1794.3 | 1793.7 | 1715.1 | 1570.9 | 1711.6 | 1925.0 | 2021.6 | 1991.4 | 1730.7 | 1665.3 | 1959.0 |
| 55° | 1859.9 | 1860.7 | 1786.4 | 1649.9 | 1825.3 | 2088.9 | 2192.4 | 2170.4 | 1854.1 | 1783.8 | 2036.7 |
| 57.5° | 1939.6 | 1942.5 | 1887.7 | 1742.2 | 1934.0 | 2207.8 | 2319.9 | 2311.4 | 2020.9 | 1915.6 | 2110.0 |
| 59° | 1950.0 | 1955.6 | 1935.7 | 1807.3 | 1998.5 | 2244.3 | 2363.5 | 2371.8 | 2110.2 | 2002.5 | 2149.7 |
| 60° | 1931.2 | 1940.6 | 1949.6 | 1844.1 | 2036.3 | 2257.4 | 2366.1 | 2382.3 | 2177.3 | 2061.5 | 2167.7 |
| 62.5° | 1849.2 | 1864.1 | 1909.4 | 1957.5 | 2083.5 | 2216.4 | 2282.1 | 2315.9 | 2260.4 | 2216.6 | 2169.4 |
| 65° | 1741.8 | 1749.5 | 1815.0 | 1977.6 | 1991.9 | 2025.0 | 2045.3 | 2088.8 | 2160.6 | 2276.4 | 2091.8 |
| 67.5° | 1565.8 | 1588.6 | 1668.7 | 1860.9 | 1721.7 | 1682.6 | 1677.5 | 1634.3 | 1820.8 | 2133.9 | 1900.3 |
| 70° | 1293.5 | 1303.7 | 1402.4 | 1525.6 | 1299.4 | 1239.2 | 1263.3 | 1247.1 | 1411.4 | 1837.0 | 1529.5 |
| 72.5° | 978.2 | 1001.1 | 1097.6 | 1216.1 | 884.2 | 806.1 | 872.5 | 866.5 | 1060.2 | 1476.3 | 1050.8 |
| 75° | 695.9 | 710.8 | 833.8 | 951.7 | 619.2 | 524.6 | 548.5 | 570.9 | 740.1 | 1165.7 | 620.9 |
| 77.5° | 478.2 | 491.0 | 583.3 | 629.4 | 451.7 | 432.7 | 395.8 | 417.5 | 485.0 | 691.6 | 337.9 |
| 80° | 288.5 | 287.9 | 348.6 | 359.9 | 314.6 | 365.4 | 306.5 | 344.1 | 293.2 | 296.0 | 130.9 |
| 82.5° | 187.3 | 185.4 | 213.2 | 232.4 | 175.1 | 184.1 | 123.5 | 178.1 | 191.0 | 82.6 | 41.4 |
| 85° | 83.9 | 87.4 | 102.5 | 135.2 | 76.7 | 40.8 | 25.2 | 54.7 | 81.4 | 41.6 | 0.0 |
| 87.5° | 8.6 | 6.8 | 18.1 | 32.9 | 10.5 | 1.1 | 3.8 | 1.9 | 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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CATALOG NUMBER: GALN-SA1A-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 |
| 2.5° | 895.1 | 884.2 | 851.6 | 821.2 | 795.0 | 763.1 | 742.4 | 709.9 | 690.1 | 684.1 | 685.0 |
| 5° | 859.2 | 827.8 | 765.9 | 716.4 | 661.3 | 629.9 | 582.2 | 536.3 | 511.5 | 502.3 | 498.1 |
| 7.5° | 783.9 | 750.3 | 675.6 | 598.0 | 538.9 | 483.8 | 448.3 | 407.9 | 380.2 | 357.5 | 353.5 |
| 10° | 728.1 | 683.9 | 591.4 | 507.9 | 461.3 | 419.9 | 384.4 | 343.9 | 311.4 | 285.4 | 278.3 |
| 12.5° | 694.6 | 645.2 | 541.9 | 472.0 | 427.8 | 385.3 | 339.0 | 292.2 | 258.9 | 230.9 | 217.9 |
| 15° | 688.6 | 631.3 | 528.0 | 446.2 | 391.7 | 340.4 | 278.9 | 228.3 | 194.1 | 167.5 | 159.5 |
| 17.5° | 724.9 | 656.3 | 526.0 | 419.3 | 344.5 | 271.7 | 207.8 | 165.9 | 127.3 | 112.4 | 106.6 |
| 20° | 789.6 | 700.5 | 525.8 | 388.1 | 296.0 | 209.3 | 145.9 | 108.1 | 92.5 | 85.4 | 82.0 |
| 22.5° | 877.8 | 760.6 | 535.7 | 361.2 | 245.6 | 154.4 | 104.2 | 86.1 | 77.1 | 71.3 | 70.0 |
| 25° | 985.5 | 849.8 | 560.2 | 343.0 | 207.0 | 121.1 | 85.9 | 73.7 | 66.2 | 63.6 | 62.4 |
| 27.5° | 1081.2 | 935.1 | 587.1 | 324.2 | 179.4 | 107.2 | 79.7 | 67.5 | 61.5 | 59.4 | 57.7 |
| 30° | 1163.8 | 1012.6 | 600.0 | 299.4 | 157.2 | 98.2 | 80.9 | 72.2 | 64.3 | 58.1 | 55.3 |
| 32.5° | 1232.6 | 1072.0 | 608.5 | 276.8 | 138.4 | 80.3 | 63.9 | 55.8 | 52.3 | 50.0 | 48.1 |
| 35° | 1318.7 | 1136.3 | 603.4 | 264.0 | 128.8 | 73.1 | 58.3 | 48.1 | 42.1 | 37.6 | 35.7 |
| 37.5° | 1409.0 | 1200.6 | 594.6 | 253.5 | 124.5 | 67.9 | 55.5 | 45.7 | 39.1 | 34.4 | 32.0 |
| 40° | 1502.4 | 1260.3 | 584.2 | 243.7 | 120.5 | 64.5 | 53.8 | 43.6 | 37.0 | 32.0 | 29.3 |
| 42.5° | 1588.0 | 1318.4 | 580.1 | 237.3 | 114.1 | 65.1 | 52.5 | 42.7 | 35.0 | 29.7 | 27.5 |
| 45° | 1657.2 | 1373.5 | 585.7 | 233.9 | 107.2 | 64.1 | 52.8 | 41.6 | 33.3 | 28.2 | 25.9 |
| 47.5° | 1731.1 | 1451.3 | 604.0 | 230.5 | 100.4 | 59.6 | 55.7 | 41.4 | 32.5 | 27.3 | 24.8 |
| 50° | 1817.0 | 1551.0 | 645.7 | 222.3 | 92.1 | 54.7 | 59.2 | 41.2 | 31.6 | 26.1 | 23.7 |
| 52.5° | 1931.6 | 1664.2 | 688.8 | 207.8 | 80.1 | 50.0 | 56.6 | 40.6 | 29.7 | 24.8 | 22.4 |
| 55° | 2034.4 | 1783.4 | 725.3 | 190.7 | 64.9 | 43.2 | 51.0 | 38.2 | 26.5 | 22.6 | 20.3 |
| 57.5° | 2076.9 | 1850.7 | 724.1 | 167.0 | 51.9 | 38.0 | 41.9 | 35.0 | 23.1 | 19.9 | 18.1 |
| 59° | 2061.3 | 1842.2 | 699.9 | 149.5 | 47.4 | 35.2 | 34.8 | 34.6 | 21.6 | 18.1 | 16.5 |
| 60° | 2039.3 | 1811.4 | 673.8 | 140.8 | 44.6 | 33.3 | 32.0 | 34.2 | 20.3 | 16.9 | 15.4 |
| 62.5° | 1955.1 | 1683.5 | 587.1 | 126.2 | 40.8 | 28.2 | 25.6 | 29.0 | 18.1 | 14.7 | 13.4 |
| 65° | 1833.0 | 1487.0 | 497.0 | 122.0 | 39.7 | 23.3 | 21.2 | 20.7 | 15.4 | 12.4 | 11.3 |
| 67.5° | 1595.0 | 1258.4 | 402.6 | 119.2 | 40.1 | 19.6 | 18.6 | 15.6 | 12.8 | 10.3 | 9.6 |
| 70° | 1277.0 | 981.2 | 329.6 | 116.0 | 40.4 | 16.0 | 15.6 | 12.4 | 10.3 | 8.6 | 7.9 |
| 72.5° | 775.9 | 581.6 | 259.5 | 100.8 | 39.3 | 12.8 | 13.9 | 9.4 | 7.5 | 6.2 | 5.8 |
| 75° | 479.7 | 398.1 | 161.0 | 78.4 | 25.9 | 9.4 | 9.8 | 5.8 | 5.1 | 3.9 | 3.9 |
| 77.5° | 277.9 | 251.4 | 57.5 | 28.2 | 11.5 | 5.6 | 4.3 | 3.0 | 2.8 | 1.7 | 1.7 |
| 80° | 115.3 | 92.3 | 19.9 | 9.6 | 6.2 | 2.6 | 0.9 | 0.2 | 0.0 | 0.0 | 0.0 |
| 82.5° | 33.7 | 29.9 | 5.5 | 4.3 | 1.9 | 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 |



REPORT NUMBER: P450173
 CATALOG NUMBER: GALN-SA1A-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 |
| 2.5° | 669.1 | 662.8 | 660.0 | 669.6 | 660.8 | 672.1 | 663.4 | 667.2 | 678.3 | 683.2 | 695.8 |
| 5° | 500.8 | 494.4 | 491.4 | 505.8 | 505.1 | 512.2 | 511.5 | 518.1 | 523.7 | 511.1 | 524.1 |
| 7.5° | 348.8 | 344.5 | 351.6 | 362.9 | 375.0 | 371.0 | 371.0 | 362.2 | 365.2 | 363.3 | 362.7 |
| 10° | 265.3 | 250.5 | 246.7 | 246.3 | 250.8 | 251.8 | 246.7 | 234.5 | 239.0 | 240.3 | 248.2 |
| 12.5° | 208.7 | 197.3 | 179.8 | 171.9 | 169.8 | 171.5 | 154.8 | 144.0 | 149.1 | 146.1 | 153.8 |
| 15° | 149.7 | 140.3 | 129.9 | 121.1 | 118.7 | 115.3 | 97.0 | 84.2 | 82.7 | 83.3 | 84.6 |
| 17.5° | 106.8 | 100.4 | 100.4 | 91.0 | 85.9 | 75.8 | 66.6 | 60.9 | 60.4 | 60.9 | 61.9 |
| 20° | 78.8 | 75.4 | 75.0 | 72.6 | 66.9 | 60.2 | 53.8 | 52.7 | 52.3 | 53.2 | 53.6 |
| 22.5° | 67.9 | 64.3 | 61.3 | 61.1 | 55.8 | 50.2 | 47.2 | 45.7 | 45.9 | 46.3 | 47.2 |
| 25° | 60.7 | 57.0 | 53.8 | 51.9 | 48.1 | 44.2 | 41.4 | 40.6 | 40.6 | 41.2 | 41.4 |
| 27.5° | 55.7 | 51.0 | 48.1 | 45.5 | 42.1 | 38.7 | 36.3 | 35.7 | 35.4 | 35.7 | 36.7 |
| 30° | 52.1 | 47.4 | 43.8 | 39.9 | 37.2 | 34.0 | 32.0 | 31.2 | 31.0 | 31.2 | 32.0 |
| 32.5° | 44.6 | 41.7 | 38.9 | 35.4 | 32.2 | 30.1 | 27.8 | 26.5 | 26.5 | 26.9 | 27.6 |
| 35° | 33.7 | 32.2 | 32.0 | 31.0 | 28.4 | 26.1 | 23.5 | 22.2 | 22.2 | 22.9 | 23.3 |
| 37.5° | 29.7 | 26.9 | 26.5 | 26.1 | 25.0 | 22.0 | 19.6 | 18.4 | 18.2 | 18.8 | 19.6 |
| 40° | 27.1 | 23.9 | 22.2 | 21.8 | 22.0 | 18.6 | 16.0 | 14.9 | 14.9 | 15.0 | 15.8 |
| 42.5° | 25.0 | 21.2 | 18.2 | 17.9 | 18.6 | 15.6 | 13.0 | 11.8 | 11.8 | 11.8 | 12.8 |
| 45° | 23.3 | 19.0 | 15.4 | 13.5 | 14.7 | 12.8 | 10.5 | 9.4 | 9.0 | 9.4 | 9.8 |
| 47.5° | 22.2 | 17.3 | 13.5 | 10.9 | 10.9 | 10.2 | 8.5 | 7.1 | 6.8 | 7.0 | 7.5 |
| 50° | 21.2 | 15.8 | 11.5 | 8.8 | 7.9 | 8.1 | 6.4 | 5.5 | 5.1 | 5.1 | 5.6 |
| 52.5° | 19.7 | 14.3 | 10.0 | 7.5 | 6.0 | 5.5 | 4.7 | 3.9 | 3.8 | 3.9 | 4.3 |
| 55° | 17.9 | 13.0 | 8.6 | 6.2 | 4.7 | 3.8 | 3.4 | 2.8 | 2.6 | 2.8 | 3.4 |
| 57.5° | 15.8 | 10.9 | 7.0 | 4.9 | 3.2 | 2.4 | 2.3 | 1.9 | 1.5 | 1.7 | 2.1 |
| 59° | 14.5 | 9.8 | 6.0 | 3.9 | 2.4 | 1.7 | 1.7 | 1.3 | 0.9 | 1.1 | 1.7 |
| 60° | 13.9 | 9.0 | 5.1 | 3.4 | 2.1 | 1.3 | 1.3 | 0.9 | 0.6 | 0.8 | 1.3 |
| 62.5° | 11.8 | 7.5 | 3.9 | 2.1 | 0.9 | 0.2 | 0.6 | 0.2 | 0.0 | 0.2 | 0.6 |
| 65° | 10.0 | 6.0 | 2.6 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| 67.5° | 8.3 | 4.5 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 6.6 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 4.5 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 2.8 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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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| 62.5° | 2.3 | 3.9 | 5.1 | 7.1 | 9.4 | 13.9 | 314.8 | 1632.2 | 1839.0 | 1849.2 |
| 65° | 1.5 | 2.8 | 3.8 | 5.3 | 7.3 | 12.0 | 256.5 | 1490.0 | 1719.1 | 1741.8 |
| 67.5° | 0.9 | 2.1 | 3.0 | 3.9 | 6.0 | 10.2 | 182.8 | 1277.7 | 1551.2 | 1565.8 |
| 70° | 0.6 | 1.3 | 2.3 | 3.2 | 4.7 | 8.1 | 108.5 | 1010.0 | 1290.5 | 1293.5 |
| 72.5° | 0.4 | 0.9 | 1.5 | 2.3 | 3.8 | 7.3 | 52.7 | 658.3 | 942.3 | 978.2 |
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| 80° | 0.0 | 0.0 | 0.4 | 0.9 | 1.7 | 3.0 | 8.8 | 170.4 | 283.2 | 288.5 |
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| 85° | 0.0 | 0.0 | 0.2 | 0.8 | 0.9 | 1.5 | 1.7 | 10.2 | 82.4 | 83.9 |
| 87.5° | 0.0 | 0.0 | 0.2 | 0.9 | 0.9 | 0.9 | 0.9 | 0.6 | 7.0 | 8.6 |
| 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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