

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: P945320

Luminaire Tested: **GALN-SB1B-760-U-SL3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1B-760-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 5700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4799 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

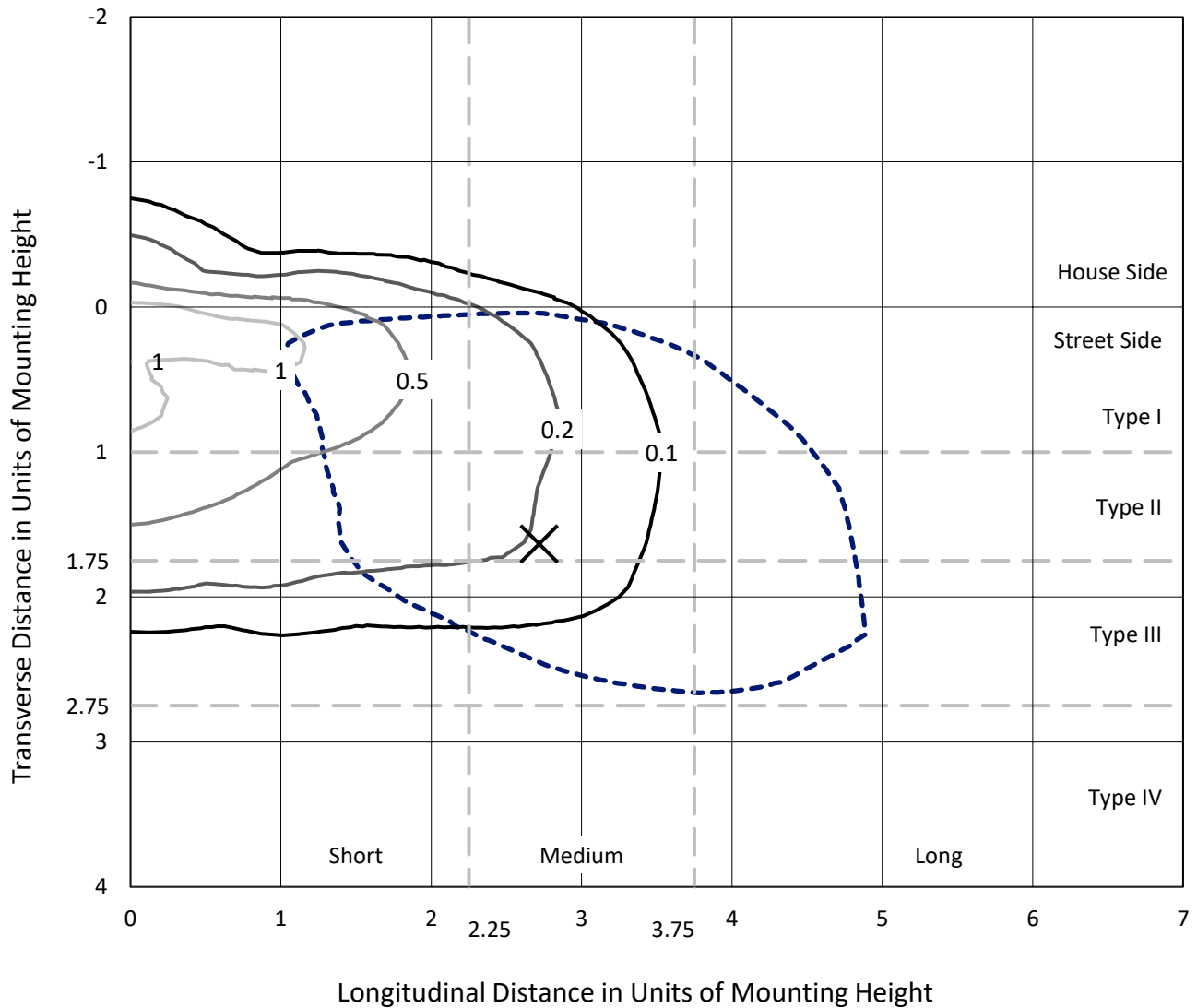
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P945320
 CATALOG NUMBER: GALN-SB1B-760-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

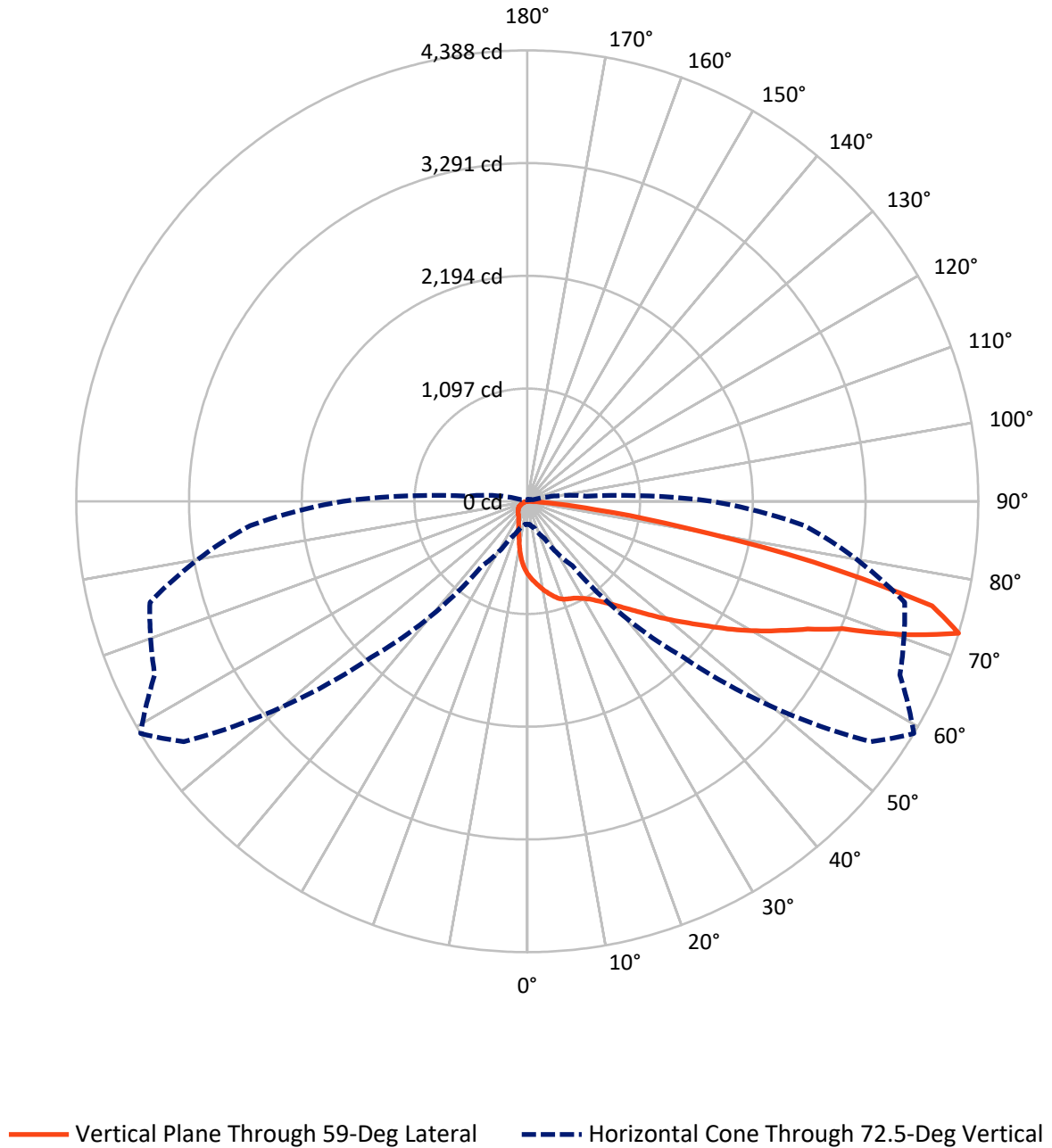
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P945320
CATALOG NUMBER: GALN-SB1B-760-U-SL3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P945320
 CATALOG NUMBER: GALN-SB1B-760-U-SL3-HSS

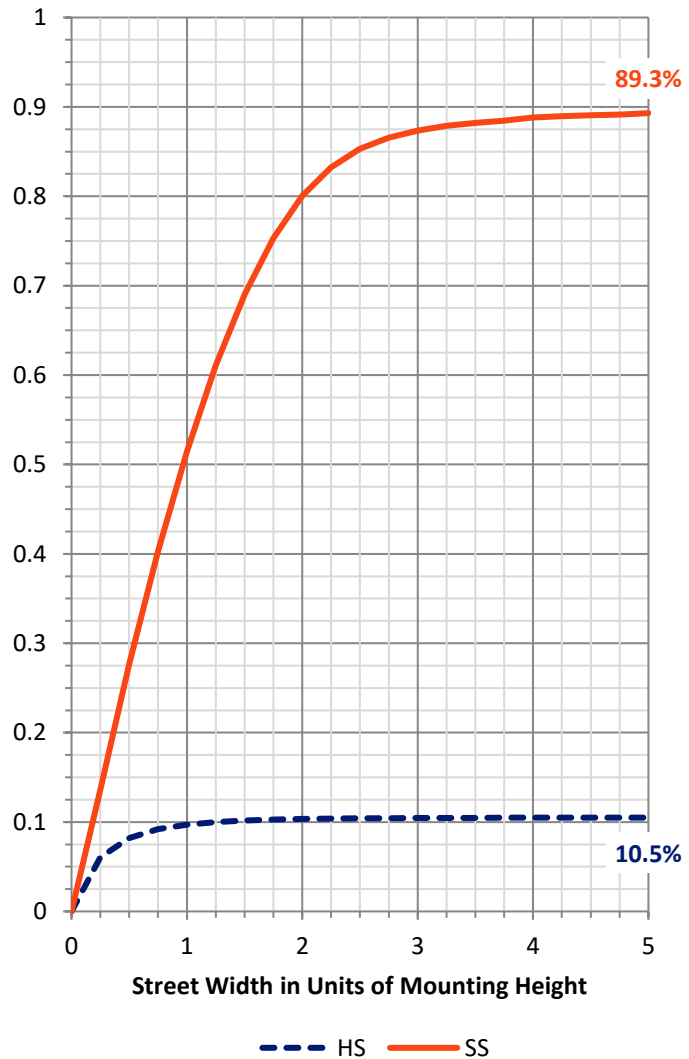
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 506.9 | 0.0 | 506.9 |
| | % Fixture | 10.6 | 0.0 | 10.6 |
| Street Side | Lumens | 4292.1 | 0.0 | 4292.1 |
| | % Fixture | 89.4 | 0.0 | 89.4 |
| Total | Lumens | 4799.0 | 0.0 | 4799.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 64.2 | 1.3 |
| 10°-20° | 170.5 | 3.6 |
| 20°-30° | 270.3 | 5.6 |
| 30°-40° | 433.8 | 9.0 |
| 40°-50° | 692.8 | 14.4 |
| 50°-60° | 1003.1 | 20.9 |
| 60°-70° | 1190.4 | 24.8 |
| 70°-80° | 883.7 | 18.4 |
| 80°-90° | 90.3 | 1.9 |
| 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° | 4799.0 | 100.0 |
| 0°-180° | 4799.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P945320

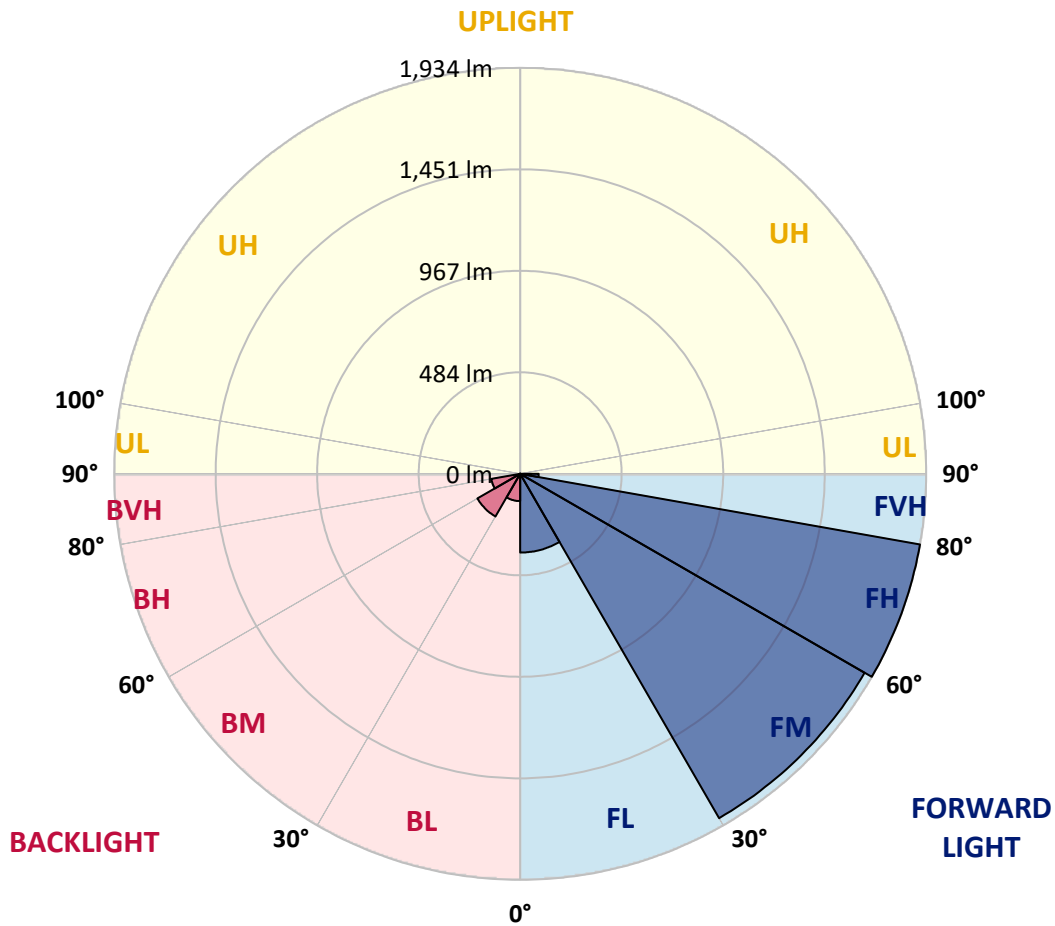
CATALOG NUMBER: GALN-SB1B-760-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 375.2 | 7.8 | | | |
| FM (30°-60°) | 1894.6 | 39.5 | | | |
| FH (60°-80°) | 1934.3 | 40.3 | | | G2/5000 |
| FVH (80°-90°) | 88.1 | 1.8 | | | G1/100 |
| BL (0°-30°) | 129.8 | 2.7 | B1/500 | | |
| BM (30°-60°) | 235.0 | 4.9 | B1/1000 | | |
| BH (60°-80°) | 139.8 | 2.9 | B1/500 | | G1/500 |
| BVH (80°-90°) | 2.2 | 0.0 | | | 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 III Medium



REPORT NUMBER: P945320

CATALOG NUMBER: GALN-SB1B-760-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 59° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 709.7 | 709.7 | 709.7 | 709.7 | 709.7 | 709.7 | 709.7 | 709.7 | 709.7 | 709.7 |
| 2.5° | 787.4 | 783.0 | 783.6 | 776.1 | 770.8 | 765.1 | 754.1 | 752.6 | 744.7 | 731.0 |
| 5° | 856.0 | 853.2 | 850.6 | 842.2 | 831.2 | 817.4 | 799.0 | 792.4 | 778.0 | 754.1 |
| 7.5° | 906.1 | 902.7 | 903.9 | 895.5 | 886.7 | 871.3 | 845.9 | 833.7 | 814.6 | 778.3 |
| 10° | 915.8 | 913.9 | 922.1 | 925.2 | 925.2 | 915.5 | 890.8 | 878.5 | 850.6 | 804.3 |
| 12.5° | 861.3 | 861.6 | 882.0 | 906.4 | 938.4 | 947.5 | 930.9 | 917.7 | 890.1 | 831.9 |
| 15° | 797.7 | 798.0 | 817.8 | 849.1 | 901.4 | 953.7 | 966.9 | 958.4 | 929.9 | 861.6 |
| 17.5° | 759.5 | 757.9 | 771.1 | 796.8 | 851.6 | 925.2 | 988.8 | 994.5 | 971.3 | 894.5 |
| 20° | 754.1 | 751.3 | 758.2 | 771.1 | 810.2 | 889.5 | 991.3 | 1018.0 | 1013.9 | 931.8 |
| 22.5° | 786.7 | 782.3 | 778.6 | 779.2 | 795.8 | 859.7 | 985.1 | 1031.1 | 1057.8 | 976.6 |
| 25° | 851.3 | 844.4 | 832.2 | 816.5 | 813.1 | 853.5 | 980.7 | 1045.5 | 1098.5 | 1033.9 |
| 27.5° | 930.2 | 920.5 | 897.0 | 873.5 | 853.5 | 871.0 | 989.8 | 1068.4 | 1144.5 | 1100.7 |
| 30° | 1017.0 | 1005.1 | 981.6 | 937.1 | 905.2 | 910.2 | 1011.4 | 1098.5 | 1203.4 | 1176.2 |
| 32.5° | 1144.5 | 1117.0 | 1075.9 | 1007.9 | 965.6 | 952.5 | 1044.0 | 1136.7 | 1276.4 | 1276.8 |
| 35° | 1253.9 | 1238.5 | 1197.2 | 1112.6 | 1025.8 | 1008.6 | 1086.9 | 1190.6 | 1377.6 | 1409.9 |
| 37.5° | 1325.6 | 1304.6 | 1268.3 | 1204.7 | 1119.2 | 1066.2 | 1144.2 | 1256.7 | 1484.8 | 1561.6 |
| 40° | 1405.8 | 1385.2 | 1336.9 | 1277.1 | 1227.6 | 1165.2 | 1216.6 | 1332.8 | 1602.3 | 1717.3 |
| 42.5° | 1502.7 | 1475.7 | 1418.7 | 1354.1 | 1302.4 | 1295.6 | 1311.2 | 1427.8 | 1722.9 | 1886.5 |
| 45° | 1616.4 | 1591.0 | 1525.5 | 1444.1 | 1398.6 | 1386.4 | 1430.3 | 1538.4 | 1857.3 | 2072.0 |
| 47.5° | 1722.9 | 1693.5 | 1623.0 | 1548.7 | 1498.3 | 1459.7 | 1556.9 | 1669.0 | 2009.6 | 2265.9 |
| 50° | 1813.5 | 1783.4 | 1718.8 | 1639.6 | 1605.4 | 1555.0 | 1681.2 | 1814.7 | 2160.6 | 2463.0 |
| 52.5° | 1875.5 | 1848.9 | 1773.0 | 1719.2 | 1696.0 | 1670.6 | 1826.9 | 1969.2 | 2311.0 | 2643.4 |
| 55° | 1861.4 | 1837.6 | 1770.9 | 1767.1 | 1765.5 | 1792.2 | 2001.1 | 2144.3 | 2464.2 | 2814.2 |
| 57.5° | 1816.6 | 1789.7 | 1706.3 | 1763.6 | 1819.1 | 1900.6 | 2189.8 | 2351.4 | 2632.2 | 2975.2 |
| 60° | 1684.7 | 1675.3 | 1624.5 | 1757.1 | 1841.7 | 2006.8 | 2405.3 | 2559.5 | 2813.9 | 3116.9 |
| 62.5° | 1405.5 | 1413.7 | 1413.4 | 1770.9 | 1882.4 | 2127.7 | 2601.1 | 2770.0 | 2991.5 | 3253.1 |
| 65° | 1052.4 | 1080.6 | 1116.7 | 1646.8 | 1936.9 | 2343.6 | 2835.2 | 2998.4 | 3172.0 | 3411.7 |
| 67.5° | 707.2 | 729.7 | 754.1 | 1351.0 | 1774.6 | 2570.4 | 3224.0 | 3311.4 | 3388.2 | 3587.5 |
| 70° | 404.8 | 412.0 | 446.2 | 843.8 | 1367.9 | 2507.8 | 3857.2 | 3888.9 | 3710.6 | 3804.0 |
| 72.5° | 226.8 | 224.3 | 269.5 | 400.4 | 764.5 | 2147.5 | 4079.0 | 4387.7 | 3999.1 | 3800.5 |
| 75° | 151.6 | 152.0 | 185.5 | 252.5 | 298.0 | 1503.3 | 3515.1 | 4068.4 | 3826.2 | 3370.0 |
| 77.5° | 103.4 | 106.8 | 136.3 | 195.2 | 137.9 | 733.5 | 2325.4 | 2849.9 | 3097.7 | 2602.4 |
| 80° | 44.8 | 45.1 | 89.9 | 140.1 | 93.1 | 233.4 | 1205.6 | 1526.8 | 1942.9 | 1461.3 |
| 82.5° | 23.2 | 26.3 | 57.3 | 90.5 | 58.6 | 81.8 | 569.6 | 667.0 | 815.2 | 428.9 |
| 85° | 8.1 | 9.7 | 35.4 | 44.5 | 29.5 | 29.1 | 198.3 | 202.1 | 172.6 | 64.5 |
| 87.5° | 0.0 | 1.6 | 13.8 | 11.0 | 3.8 | 3.4 | 23.5 | 19.7 | 15.7 | 9.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P945320
 CATALOG NUMBER: GALN-SB1B-760-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 709.7 | 0° | 709.7 | 709.7 | 709.7 | 709.7 | 709.7 | 709.7 | 709.7 | 709.7 | 709.7 | 709.7 |
| 716.9 | 2.5° | 710.3 | 701.8 | 688.0 | 671.1 | 651.4 | 640.7 | 625.4 | 616.0 | 607.5 | 607.8 |
| 726.6 | 5° | 711.2 | 697.1 | 662.0 | 624.7 | 583.4 | 553.0 | 519.2 | 495.4 | 477.2 | 472.8 |
| 736.6 | 7.5° | 714.0 | 690.2 | 632.9 | 570.9 | 501.9 | 450.9 | 404.2 | 374.7 | 358.1 | 353.7 |
| 746.9 | 10° | 717.8 | 682.7 | 600.0 | 505.1 | 419.5 | 358.1 | 319.3 | 300.5 | 292.9 | 287.3 |
| 760.1 | 12.5° | 720.9 | 674.9 | 558.6 | 437.1 | 346.2 | 298.3 | 268.8 | 253.2 | 246.6 | 242.5 |
| 775.5 | 15° | 726.3 | 664.5 | 513.8 | 373.8 | 296.7 | 257.5 | 229.7 | 218.1 | 216.2 | 216.8 |
| 792.4 | 17.5° | 731.6 | 654.5 | 463.7 | 324.3 | 260.4 | 221.8 | 204.9 | 203.0 | 205.5 | 208.0 |
| 811.8 | 20° | 737.5 | 640.1 | 412.9 | 287.0 | 226.8 | 197.1 | 192.7 | 193.9 | 195.2 | 199.6 |
| 838.4 | 22.5° | 746.3 | 621.9 | 368.5 | 255.4 | 199.0 | 185.2 | 183.0 | 183.9 | 184.9 | 189.2 |
| 873.5 | 25° | 758.8 | 602.5 | 332.4 | 226.2 | 181.4 | 175.5 | 173.3 | 173.3 | 174.5 | 178.6 |
| 914.3 | 27.5° | 772.0 | 574.9 | 303.3 | 199.3 | 171.1 | 164.8 | 161.0 | 161.0 | 162.6 | 167.3 |
| 965.3 | 30° | 786.7 | 549.9 | 280.4 | 179.2 | 162.3 | 154.2 | 149.1 | 147.9 | 149.8 | 155.7 |
| 1039.3 | 32.5° | 813.4 | 533.6 | 264.1 | 169.8 | 154.5 | 144.4 | 137.5 | 134.1 | 136.0 | 142.9 |
| 1142.7 | 35° | 853.8 | 529.8 | 252.8 | 165.1 | 146.9 | 135.7 | 126.0 | 120.6 | 122.2 | 129.4 |
| 1270.2 | 37.5° | 901.1 | 537.6 | 241.9 | 158.9 | 139.7 | 127.2 | 114.4 | 107.5 | 110.0 | 116.6 |
| 1415.9 | 40° | 969.1 | 570.2 | 233.4 | 154.2 | 132.5 | 117.2 | 102.8 | 95.9 | 99.9 | 105.6 |
| 1567.5 | 42.5° | 1051.2 | 628.2 | 231.2 | 149.8 | 123.8 | 106.5 | 92.1 | 87.1 | 90.2 | 95.6 |
| 1720.7 | 45° | 1153.0 | 702.1 | 241.3 | 144.1 | 114.0 | 96.2 | 83.7 | 80.8 | 81.8 | 87.1 |
| 1865.5 | 47.5° | 1262.3 | 778.0 | 268.8 | 139.1 | 105.6 | 87.7 | 77.1 | 74.6 | 73.9 | 79.0 |
| 1997.7 | 50° | 1372.9 | 845.3 | 301.4 | 135.4 | 99.6 | 80.8 | 72.1 | 68.9 | 67.4 | 70.5 |
| 2128.3 | 52.5° | 1482.3 | 898.9 | 322.7 | 129.1 | 93.7 | 73.9 | 67.7 | 63.0 | 60.2 | 61.7 |
| 2258.4 | 55° | 1593.2 | 945.9 | 324.0 | 119.7 | 88.0 | 69.6 | 63.3 | 58.0 | 54.5 | 54.5 |
| 2383.7 | 57.5° | 1696.9 | 987.3 | 305.5 | 107.2 | 80.2 | 65.5 | 57.3 | 53.0 | 49.2 | 47.9 |
| 2494.9 | 60° | 1788.7 | 1018.0 | 274.8 | 93.1 | 73.3 | 60.2 | 51.4 | 47.9 | 43.2 | 40.7 |
| 2593.9 | 62.5° | 1870.5 | 1033.0 | 232.8 | 78.6 | 64.9 | 53.9 | 45.7 | 42.0 | 35.7 | 32.6 |
| 2694.5 | 65° | 1939.7 | 1017.6 | 188.9 | 65.2 | 57.6 | 47.0 | 39.2 | 35.4 | 28.5 | 24.8 |
| 2807.6 | 67.5° | 2008.3 | 947.5 | 142.9 | 54.8 | 50.1 | 39.5 | 32.3 | 28.8 | 23.8 | 20.7 |
| 2890.0 | 70° | 2017.1 | 799.9 | 99.9 | 46.1 | 41.7 | 30.4 | 26.0 | 23.8 | 19.4 | 16.6 |
| 2706.1 | 72.5° | 1795.6 | 575.6 | 60.8 | 37.6 | 32.6 | 21.6 | 20.7 | 18.8 | 14.4 | 12.5 |
| 2211.1 | 75° | 1435.3 | 352.8 | 35.7 | 28.2 | 21.6 | 15.4 | 15.4 | 13.5 | 9.7 | 8.1 |
| 1526.5 | 77.5° | 992.0 | 184.5 | 21.0 | 18.2 | 12.8 | 9.1 | 10.0 | 8.1 | 4.7 | 3.8 |
| 604.7 | 80° | 397.3 | 70.2 | 11.3 | 8.5 | 6.0 | 4.1 | 3.4 | 1.9 | 0.9 | 0.6 |
| 124.1 | 82.5° | 79.3 | 18.5 | 3.8 | 2.2 | 2.2 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 34.2 | 85° | 20.4 | 4.1 | 0.9 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11.3 | 87.5° | 6.3 | 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 |

(END O

| |
|-------|
| 180° |
| <hr/> |
| 709.7 |
| 614.7 |
| 479.4 |
| 358.1 |
| 290.8 |
| 244.7 |
| 217.8 |
| 209.0 |
| 200.8 |
| 190.5 |
| 180.2 |
| 169.2 |
| 157.3 |
| 144.8 |
| 131.6 |
| 118.4 |
| 106.5 |
| 96.5 |
| 89.6 |
| 82.1 |
| 71.7 |
| 63.0 |
| 55.1 |
| 48.3 |
| 40.1 |
| 32.3 |
| 24.8 |
| 20.7 |
| 16.3 |
| 12.2 |
| 8.1 |
| 3.8 |
| 0.9 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

F REPORT)