

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: P526880

Luminaire Tested: **GALN-SA1D-760-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1D-760-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6634 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

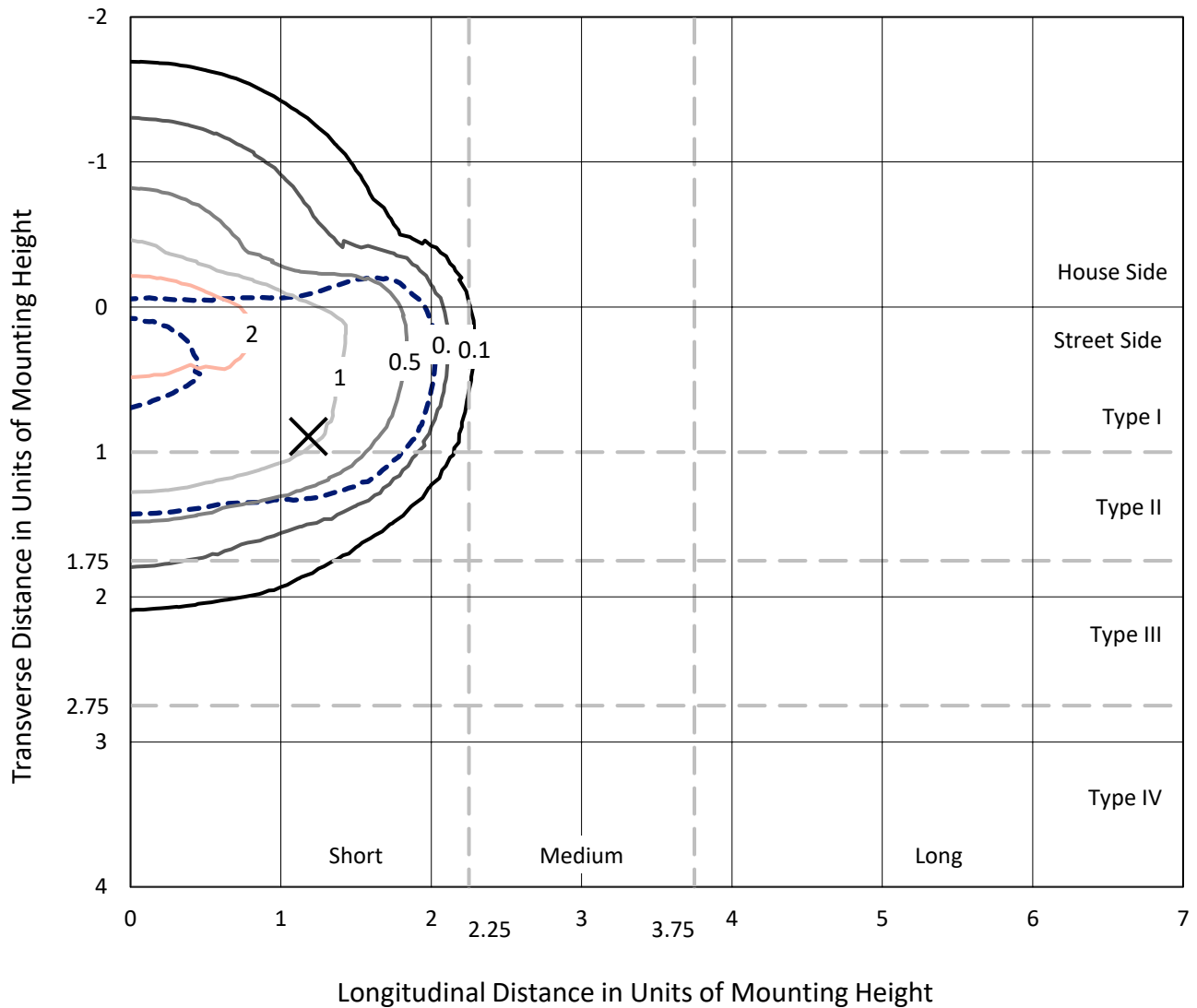
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

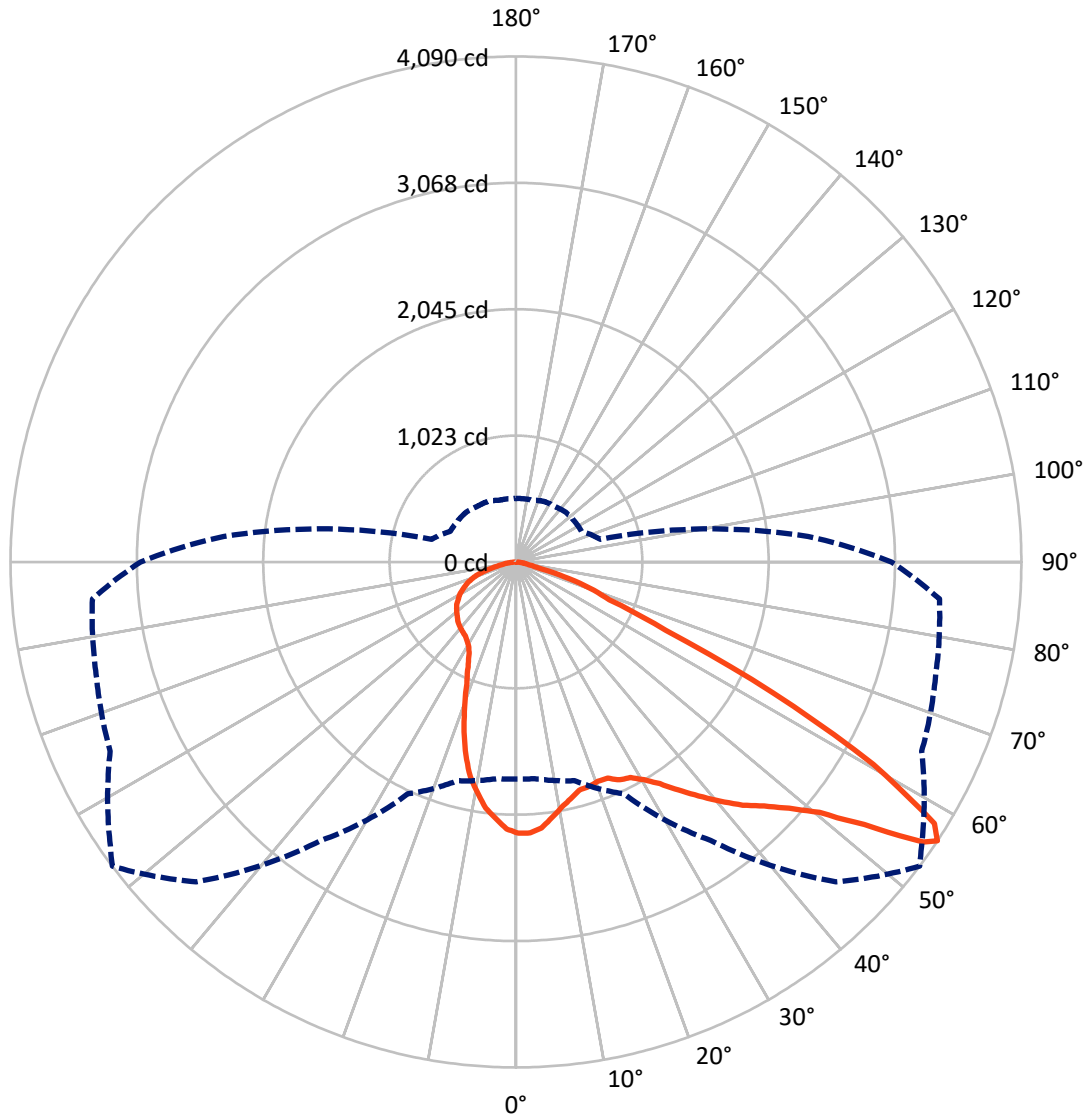
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1936.0 | 0.0 | 1936.0 |
| | % Fixture | 29.2 | 0.0 | 29.2 |
| Street Side | Lumens | 4698.1 | 0.0 | 4698.1 |
| | % Fixture | 70.8 | 0.0 | 70.8 |
| Total | Lumens | 6634.0 | 0.0 | 6634.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 194.3 | 2.9 |
| 10°-20° | 485.3 | 7.3 |
| 20°-30° | 715.6 | 10.8 |
| 30°-40° | 1022.4 | 15.4 |
| 40°-50° | 1407.2 | 21.2 |
| 50°-60° | 1663.0 | 25.1 |
| 60°-70° | 886.3 | 13.4 |
| 70°-80° | 224.8 | 3.4 |
| 80°-90° | 35.1 | 0.5 |
| 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° | 6634.0 | 100.0 |
| 0°-180° | 6634.0 | 100.0 |

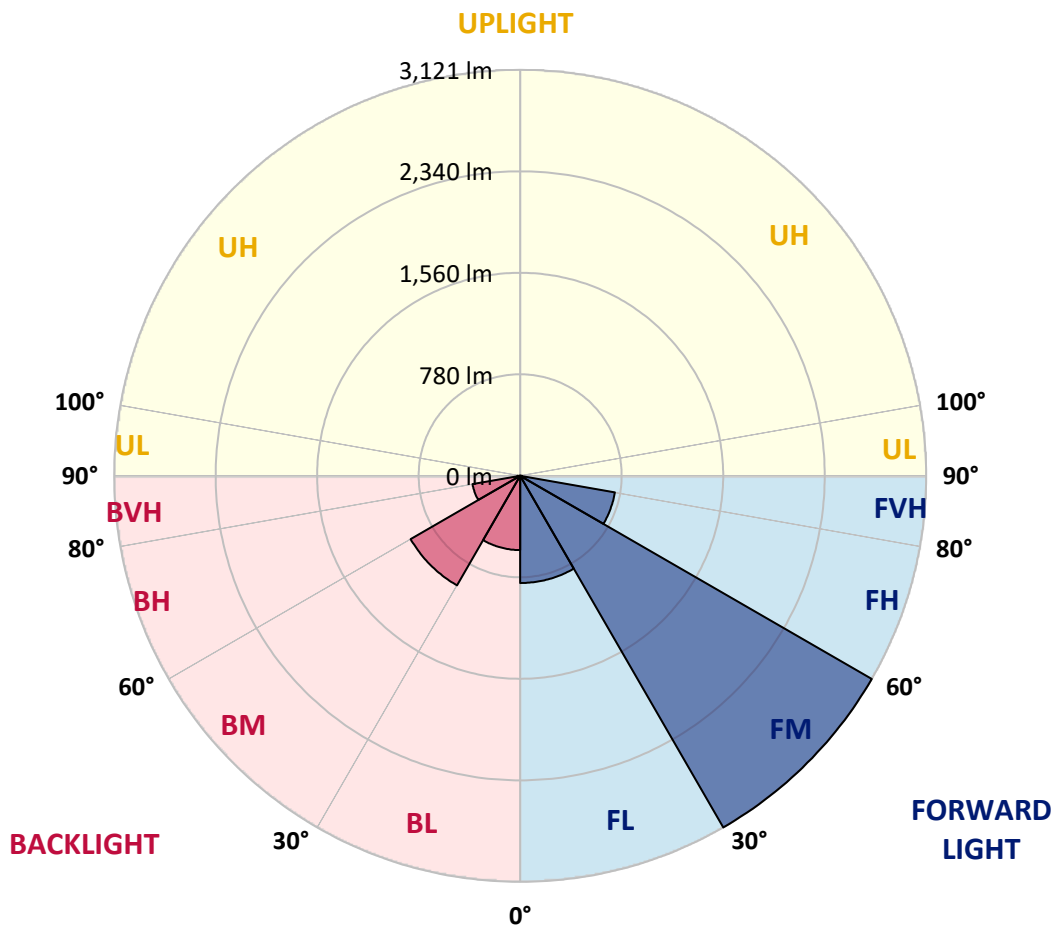


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 824.2 | 12.4 | | | |
| FM (30°-60°) | 3120.5 | 47.0 | | | |
| FH (60°-80°) | 739.3 | 11.1 | | | G1/1800 |
| FVH (80°-90°) | 14.1 | 0.2 | | | G1/100 |
| BL (0°-30°) | 571.0 | 8.6 | B2/1000 | | |
| BM (30°-60°) | 972.2 | 14.7 | B1/1000 | | |
| BH (60°-80°) | 371.8 | 5.6 | B1/500 | | G1/500 |
| BVH (80°-90°) | 21.0 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 53° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2194.8 | 2194.8 | 2194.8 | 2194.8 | 2194.8 | 2194.8 | 2194.8 | 2194.8 | 2194.8 | 2194.8 | 2194.8 |
| 2.5° | 2167.6 | 2148.8 | 2159.9 | 2155.6 | 2190.5 | 2200.7 | 2195.6 | 2199.9 | 2219.5 | 2210.1 | 2190.5 |
| 5° | 2025.4 | 2051.8 | 2056.9 | 2069.7 | 2090.1 | 2130.1 | 2161.6 | 2170.1 | 2179.5 | 2222.9 | 2218.6 |
| 7.5° | 1896.1 | 1914.0 | 1904.6 | 1942.0 | 1986.3 | 2051.0 | 2089.3 | 2096.1 | 2182.0 | 2205.9 | 2223.7 |
| 10° | 1814.4 | 1796.5 | 1839.1 | 1849.3 | 1899.5 | 1973.5 | 2019.5 | 2047.6 | 2125.9 | 2220.3 | 2231.4 |
| 12.5° | 1738.6 | 1732.7 | 1758.2 | 1787.1 | 1843.3 | 1919.9 | 1966.7 | 1977.8 | 2098.6 | 2198.2 | 2250.1 |
| 15° | 1682.5 | 1675.7 | 1701.2 | 1722.5 | 1788.0 | 1856.1 | 1915.7 | 1947.1 | 2068.8 | 2185.4 | 2233.9 |
| 17.5° | 1638.2 | 1637.4 | 1651.8 | 1690.1 | 1757.4 | 1814.4 | 1910.5 | 1912.2 | 2053.5 | 2205.0 | 2247.6 |
| 20° | 1635.7 | 1634.8 | 1637.4 | 1679.9 | 1741.2 | 1811.0 | 1894.4 | 1909.7 | 2053.5 | 2191.4 | 2248.4 |
| 22.5° | 1656.9 | 1643.3 | 1658.6 | 1685.9 | 1730.1 | 1816.9 | 1900.3 | 1934.4 | 2102.9 | 2258.6 | 2286.7 |
| 25° | 1691.0 | 1694.4 | 1702.9 | 1712.3 | 1737.8 | 1830.6 | 1953.1 | 1981.2 | 2160.7 | 2316.5 | 2339.5 |
| 27.5° | 1753.1 | 1751.4 | 1754.8 | 1759.9 | 1782.0 | 1843.3 | 1974.4 | 2046.7 | 2281.6 | 2419.5 | 2396.5 |
| 30° | 1844.2 | 1838.2 | 1851.8 | 1869.7 | 1849.3 | 1884.2 | 2045.0 | 2099.5 | 2393.9 | 2523.3 | 2460.3 |
| 32.5° | 1926.7 | 1948.8 | 1974.4 | 1982.0 | 1957.4 | 1964.2 | 2138.6 | 2193.9 | 2487.5 | 2650.9 | 2538.6 |
| 35° | 2029.7 | 2047.6 | 2081.6 | 2105.4 | 2101.2 | 2080.8 | 2266.3 | 2339.5 | 2622.9 | 2744.5 | 2621.2 |
| 37.5° | 2130.1 | 2151.4 | 2207.6 | 2278.2 | 2239.0 | 2229.7 | 2402.4 | 2462.9 | 2664.6 | 2794.8 | 2681.6 |
| 40° | 2291.8 | 2291.0 | 2388.0 | 2424.6 | 2459.5 | 2443.3 | 2543.7 | 2564.1 | 2686.7 | 2783.7 | 2683.3 |
| 42.5° | 2481.6 | 2469.7 | 2568.4 | 2625.4 | 2670.5 | 2672.2 | 2690.9 | 2684.1 | 2696.9 | 2727.5 | 2665.4 |
| 45° | 2662.0 | 2687.5 | 2787.1 | 2889.2 | 2934.3 | 2939.4 | 2815.2 | 2802.4 | 2714.8 | 2711.4 | 2631.4 |
| 47.5° | 2882.4 | 2888.4 | 2970.1 | 3104.5 | 3209.2 | 3173.5 | 2976.0 | 2947.9 | 2793.1 | 2819.4 | 2688.4 |
| 50° | 2895.2 | 2939.4 | 3012.6 | 3170.9 | 3492.6 | 3483.2 | 3184.5 | 3131.8 | 2919.0 | 2972.6 | 2847.5 |
| 52.5° | 2628.0 | 2617.7 | 2704.6 | 2963.3 | 3471.3 | 3791.3 | 3530.0 | 3404.1 | 3189.6 | 3148.8 | 3105.4 |
| 55° | 2002.5 | 2026.3 | 2102.9 | 2364.1 | 3014.3 | 3795.6 | 4000.7 | 3897.7 | 3479.0 | 3409.2 | 3359.0 |
| 56° | 1756.5 | 1759.9 | 1832.3 | 2070.5 | 2750.5 | 3660.3 | 4090.0 | 4006.6 | 3622.8 | 3516.4 | 3439.8 |
| 57.5° | 1456.1 | 1436.5 | 1474.0 | 1604.2 | 2321.6 | 3374.3 | 3992.1 | 4073.8 | 3791.3 | 3632.2 | 3525.8 |
| 60° | 1146.3 | 1142.1 | 1126.8 | 1150.6 | 1467.2 | 2542.0 | 3323.2 | 3507.1 | 3774.3 | 3523.2 | 3376.9 |
| 62.5° | 936.1 | 914.8 | 945.5 | 979.5 | 1019.5 | 1576.9 | 2335.2 | 2443.3 | 2996.5 | 2812.6 | 2536.9 |
| 65° | 725.9 | 715.7 | 754.0 | 864.6 | 888.5 | 1001.7 | 1330.1 | 1413.5 | 1769.3 | 1737.8 | 1530.1 |
| 67.5° | 499.6 | 501.3 | 534.4 | 702.9 | 823.8 | 813.6 | 814.4 | 857.8 | 923.4 | 685.9 | 597.4 |
| 70° | 316.6 | 315.7 | 333.6 | 452.7 | 662.9 | 669.8 | 635.7 | 622.9 | 590.6 | 357.4 | 378.7 |
| 72.5° | 203.4 | 197.4 | 206.8 | 250.2 | 343.0 | 396.6 | 408.5 | 416.2 | 342.1 | 280.8 | 304.7 |
| 75° | 114.9 | 108.9 | 105.5 | 116.6 | 135.3 | 156.6 | 171.9 | 177.0 | 198.3 | 212.8 | 225.5 |
| 77.5° | 34.9 | 31.5 | 38.3 | 51.1 | 67.2 | 90.2 | 109.8 | 113.2 | 133.6 | 150.6 | 163.4 |
| 80° | 15.3 | 17.0 | 23.8 | 34.0 | 47.7 | 63.8 | 77.4 | 82.5 | 96.2 | 108.9 | 112.3 |
| 82.5° | 9.4 | 10.2 | 16.2 | 23.0 | 33.2 | 45.1 | 55.3 | 57.0 | 70.6 | 80.8 | 83.4 |
| 85° | 3.4 | 4.3 | 8.5 | 13.6 | 21.3 | 28.9 | 28.9 | 31.5 | 28.9 | 28.9 | 31.5 |
| 87.5° | 0.0 | 0.0 | 0.9 | 1.7 | 1.7 | 2.6 | 3.4 | 3.4 | 4.3 | 5.1 | 6.0 |
| 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-SA1D-760-U-SL2-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2194.8 | 2194.8 | 2194.8 | 2194.8 | 2194.8 | 2194.8 | 2194.8 | 2194.8 | 2194.8 | 2194.8 | 2194.8 |
| 2.5° | 2200.7 | 2196.5 | 2189.7 | 2165.0 | 2162.4 | 2154.8 | 2112.2 | 2105.4 | 2112.2 | 2091.8 | 2093.5 |
| 5° | 2196.5 | 2209.3 | 2158.2 | 2133.5 | 2087.6 | 2054.4 | 2016.1 | 1996.5 | 1961.6 | 1939.5 | 1964.2 |
| 7.5° | 2215.2 | 2210.1 | 2146.3 | 2092.7 | 2023.7 | 1939.5 | 1872.3 | 1834.0 | 1772.7 | 1755.7 | 1768.4 |
| 10° | 2208.4 | 2181.2 | 2106.3 | 2035.6 | 1905.4 | 1831.4 | 1722.5 | 1616.9 | 1559.1 | 1529.3 | 1525.0 |
| 12.5° | 2199.0 | 2191.4 | 2066.3 | 1944.6 | 1807.6 | 1651.8 | 1498.7 | 1399.1 | 1304.6 | 1263.8 | 1269.7 |
| 15° | 2210.1 | 2145.4 | 1991.4 | 1837.4 | 1655.2 | 1451.0 | 1285.9 | 1157.4 | 1091.9 | 1065.5 | 1065.5 |
| 17.5° | 2205.0 | 2123.3 | 1955.7 | 1717.4 | 1486.7 | 1245.0 | 1063.8 | 986.3 | 959.1 | 959.1 | 966.8 |
| 20° | 2207.6 | 2137.8 | 1883.3 | 1597.4 | 1287.6 | 1048.5 | 916.6 | 888.5 | 900.4 | 904.6 | 908.9 |
| 22.5° | 2222.0 | 2090.1 | 1812.7 | 1465.5 | 1102.9 | 897.0 | 832.3 | 833.2 | 854.4 | 877.4 | 873.1 |
| 25° | 2239.9 | 2071.4 | 1726.7 | 1334.4 | 961.7 | 822.9 | 802.5 | 800.0 | 816.1 | 828.0 | 829.7 |
| 27.5° | 2224.6 | 2039.1 | 1639.1 | 1171.0 | 845.9 | 773.6 | 769.3 | 771.0 | 776.1 | 800.0 | 792.3 |
| 30° | 2274.8 | 2048.4 | 1529.3 | 1034.0 | 782.1 | 757.4 | 752.3 | 749.8 | 757.4 | 764.2 | 758.3 |
| 32.5° | 2336.9 | 2015.2 | 1447.6 | 902.1 | 750.6 | 745.5 | 735.3 | 731.9 | 736.1 | 729.3 | 732.7 |
| 35° | 2364.1 | 2009.3 | 1341.2 | 807.6 | 725.9 | 721.7 | 715.7 | 714.9 | 715.7 | 709.8 | 704.6 |
| 37.5° | 2379.5 | 2037.3 | 1219.5 | 764.2 | 710.6 | 714.9 | 701.2 | 699.5 | 684.2 | 687.6 | 690.2 |
| 40° | 2405.8 | 1993.9 | 1120.8 | 722.5 | 701.2 | 692.7 | 680.8 | 678.3 | 668.1 | 662.1 | 668.1 |
| 42.5° | 2367.5 | 1981.2 | 1023.8 | 704.6 | 687.6 | 678.3 | 669.8 | 655.3 | 651.9 | 646.8 | 643.4 |
| 45° | 2336.9 | 1908.0 | 937.0 | 682.5 | 671.5 | 666.4 | 650.2 | 634.9 | 622.1 | 627.2 | 619.5 |
| 47.5° | 2359.9 | 1882.5 | 851.0 | 663.8 | 649.3 | 643.4 | 627.2 | 615.3 | 602.5 | 596.6 | 594.9 |
| 50° | 2451.8 | 1930.1 | 778.7 | 650.2 | 630.6 | 627.2 | 605.9 | 592.3 | 580.4 | 576.1 | 577.8 |
| 52.5° | 2671.4 | 2060.3 | 729.3 | 622.1 | 612.7 | 597.4 | 585.5 | 568.5 | 560.8 | 547.2 | 555.7 |
| 55° | 2949.6 | 2272.2 | 716.6 | 595.7 | 590.6 | 577.0 | 560.8 | 548.1 | 533.6 | 522.5 | 520.0 |
| 56° | 3039.0 | 2373.5 | 706.3 | 585.5 | 577.0 | 569.3 | 548.1 | 540.4 | 517.4 | 514.9 | 513.2 |
| 57.5° | 3111.3 | 2462.9 | 708.1 | 565.9 | 557.4 | 550.6 | 537.8 | 519.1 | 503.8 | 494.4 | 498.7 |
| 60° | 2947.9 | 2305.4 | 675.7 | 536.1 | 534.4 | 521.7 | 503.8 | 495.3 | 476.6 | 465.5 | 463.0 |
| 62.5° | 2191.4 | 1565.0 | 548.1 | 497.8 | 497.0 | 483.4 | 463.0 | 453.6 | 450.2 | 434.9 | 434.9 |
| 65° | 1262.1 | 981.2 | 474.0 | 466.4 | 459.6 | 445.9 | 425.5 | 417.9 | 409.3 | 404.2 | 400.0 |
| 67.5° | 538.7 | 508.9 | 430.6 | 429.8 | 422.1 | 405.1 | 384.7 | 372.7 | 361.7 | 351.5 | 356.6 |
| 70° | 390.6 | 396.6 | 388.9 | 384.7 | 375.3 | 354.0 | 336.2 | 321.7 | 304.7 | 297.9 | 303.0 |
| 72.5° | 309.8 | 322.5 | 333.6 | 334.5 | 323.4 | 298.7 | 279.1 | 259.6 | 240.8 | 231.5 | 235.7 |
| 75° | 234.9 | 243.4 | 254.5 | 257.0 | 240.8 | 223.8 | 205.1 | 184.7 | 170.2 | 159.1 | 160.8 |
| 77.5° | 169.4 | 167.7 | 177.9 | 176.2 | 168.5 | 156.6 | 139.6 | 120.8 | 104.7 | 94.5 | 95.3 |
| 80° | 115.7 | 118.3 | 124.2 | 123.4 | 114.0 | 106.4 | 93.6 | 78.3 | 66.4 | 57.9 | 56.2 |
| 82.5° | 80.8 | 85.1 | 90.2 | 86.0 | 78.3 | 70.6 | 61.3 | 50.2 | 40.8 | 34.0 | 32.3 |
| 85° | 28.9 | 33.2 | 38.3 | 40.8 | 43.4 | 41.7 | 34.9 | 28.1 | 20.4 | 17.0 | 16.2 |
| 87.5° | 6.0 | 6.8 | 7.7 | 7.7 | 7.7 | 6.8 | 6.0 | 6.0 | 5.1 | 2.6 | 2.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)