

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: STREETWORKS

Report Number: P526538

Luminaire Tested: **GLAN-SA1C-730-U-AFL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526538  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1C-730-U-AFL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND AUTOMOTIVE  
FRONTLINE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5846 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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

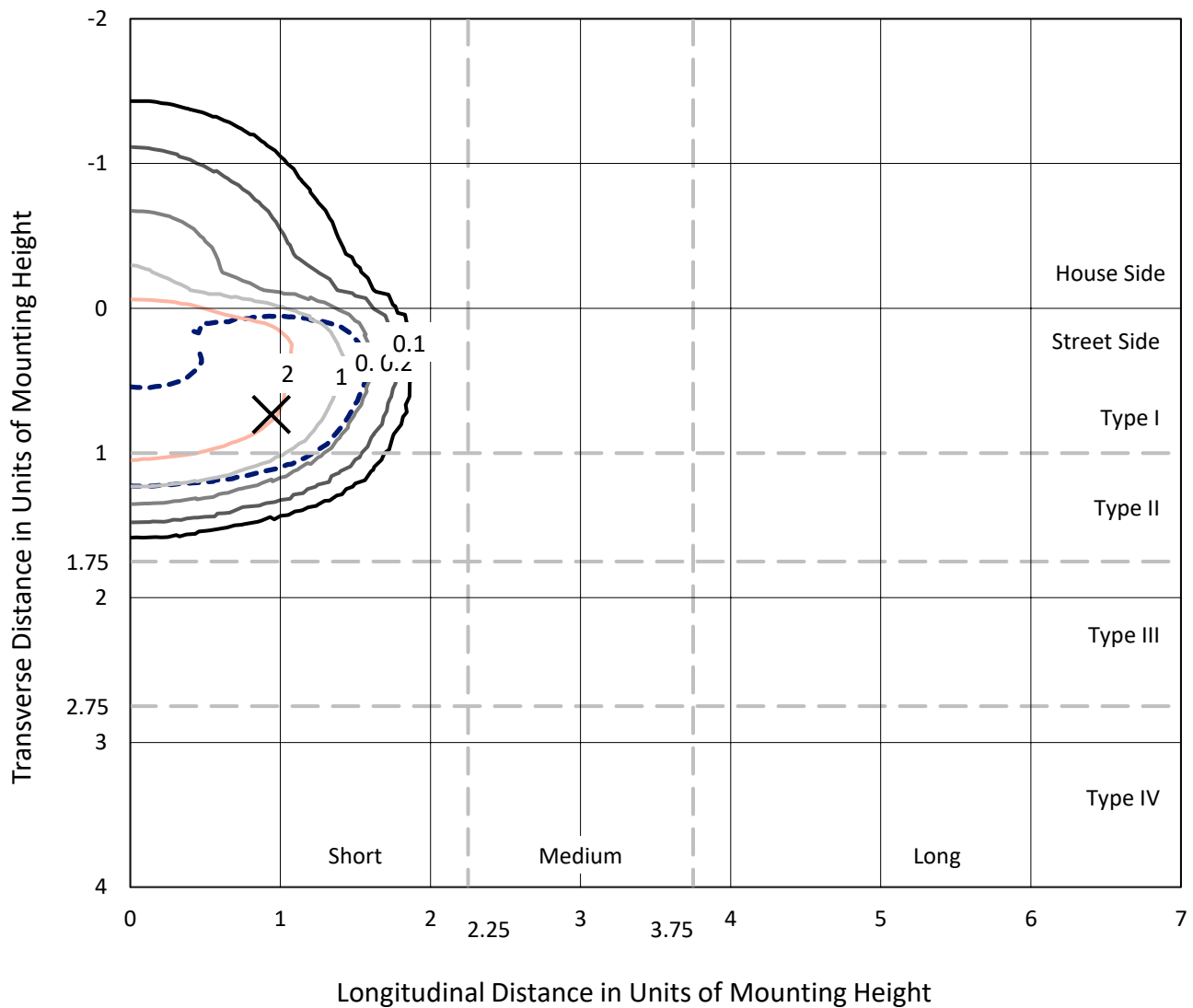


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## Iso-Footcandle Lines of Horizontal Illumination

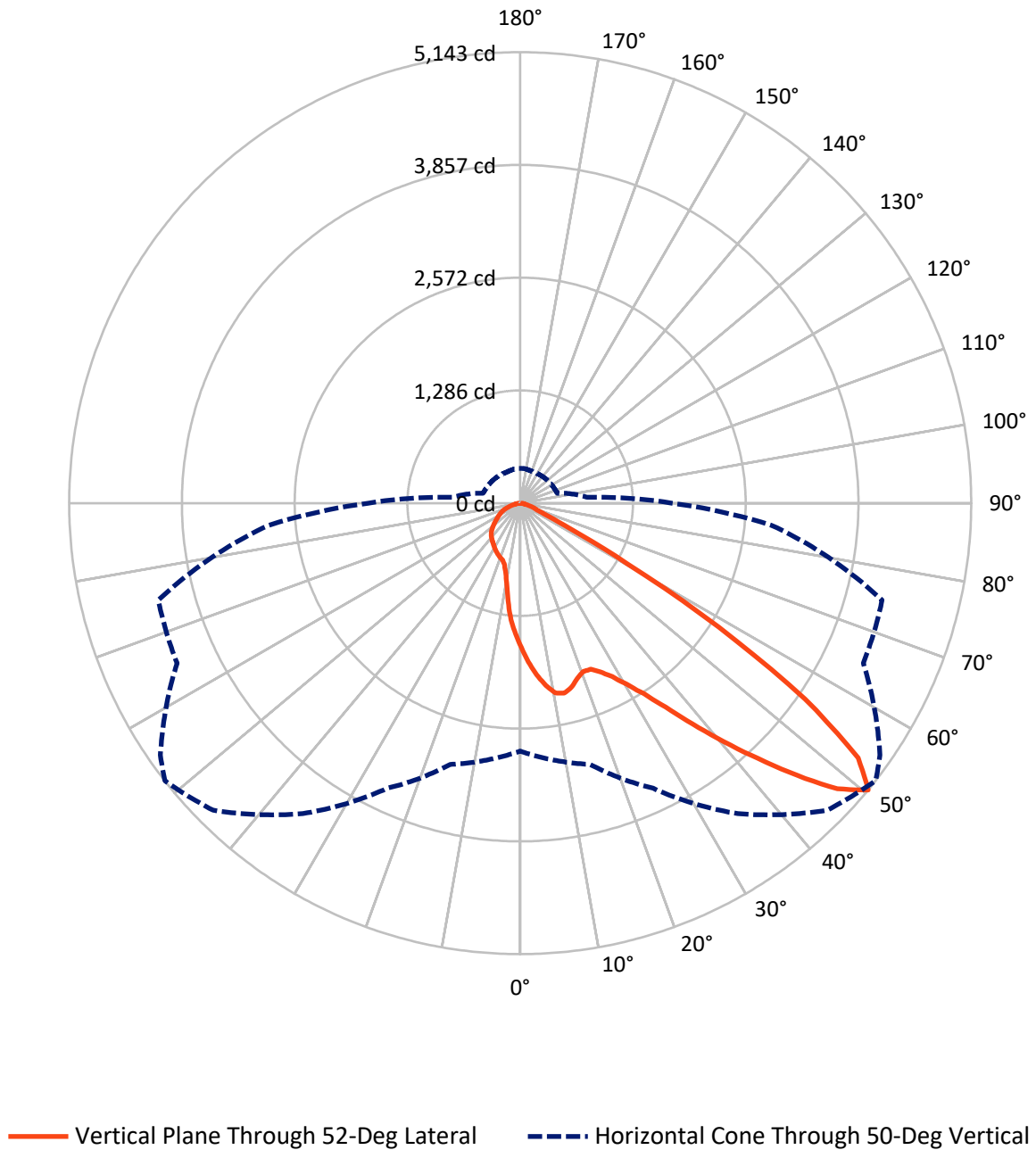
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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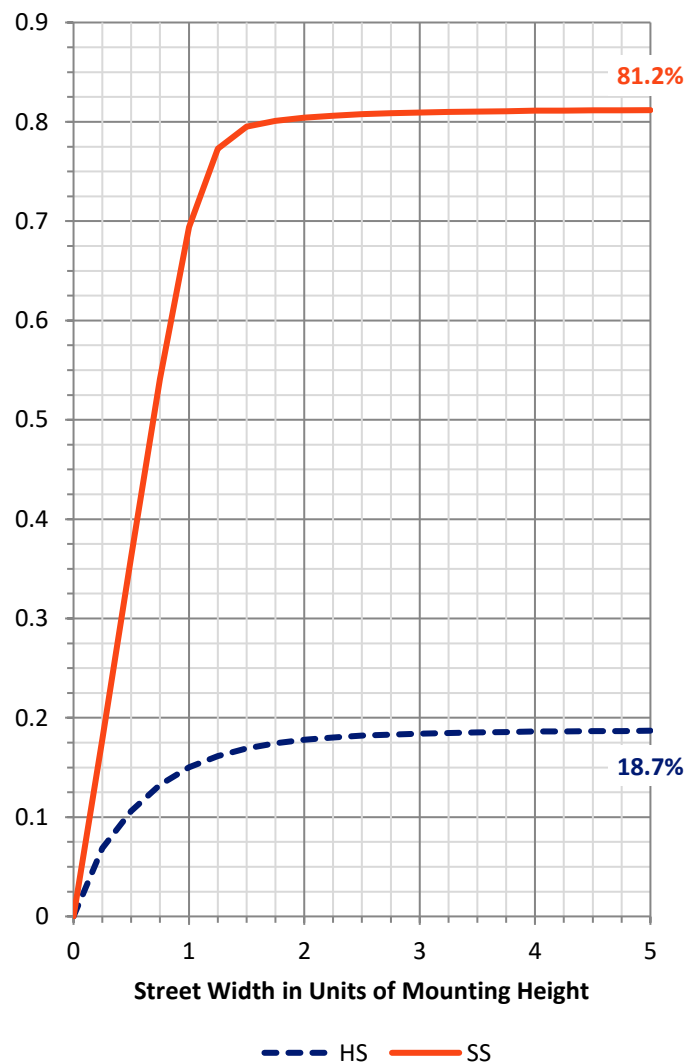
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1098.9   | 0.0    | 1098.9 |
|                    | % Fixture | 18.8     | 0.0    | 18.8   |
| <b>Street Side</b> | Lumens    | 4747.1   | 0.0    | 4747.1 |
|                    | % Fixture | 81.2     | 0.0    | 81.2   |
| <b>Total</b>       | Lumens    | 5846.0   | 0.0    | 5846.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 151.9  | 2.6       |
| 10°-20°   | 407.1  | 7.0       |
| 20°-30°   | 685.7  | 11.7      |
| 30°-40°   | 1150.7 | 19.7      |
| 40°-50°   | 1760.3 | 30.1      |
| 50°-60°   | 1283.4 | 22.0      |
| 60°-70°   | 285.6  | 4.9       |
| 70°-80°   | 103.0  | 1.8       |
| 80°-90°   | 18.2   | 0.3       |
| 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°    | 5846.0 | 100.0     |
| 0°-180°   | 5846.0 | 100.0     |

**Coefficient of Utilization**



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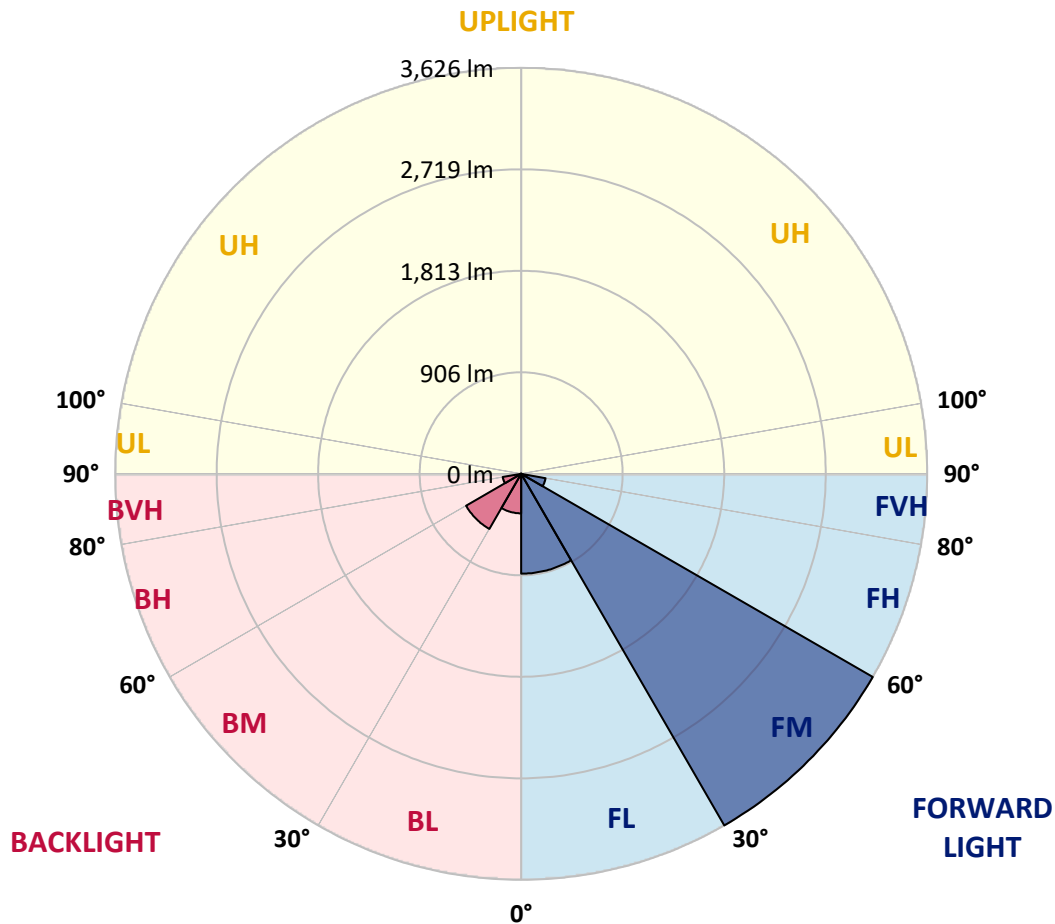
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 891.7  | 15.3      |                         |      |        |
| FM   | (30°-60°)   | 3626.0 | 62.0      |                         |      |        |
| FH   | (60°-80°)   | 221.2  | 3.8       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 8.2    | 0.1       |                         |      | G0/10  |
| BL   | (0°-30°)    | 353.0  | 6.0       | B1/500                  |      |        |
| BM   | (30°-60°)   | 568.4  | 9.7       | B1/1000                 |      |        |
| BH   | (60°-80°)   | 167.4  | 2.9       | B1/500                  |      | G1/500 |
| BVH  | (80°-90°)   | 10.1   | 0.2       |                         |      | G1/100 |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B1-U0-G1**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 52°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1647.9 | 1647.9 | 1647.9 | 1647.9 | 1647.9 | 1647.9 | 1647.9 | 1647.9 | 1647.9 | 1647.9 | 1647.9 |
| 2.5°  | 1940.3 | 1902.9 | 1907.2 | 1880.4 | 1851.5 | 1843.0 | 1813.5 | 1785.3 | 1764.1 | 1719.0 | 1677.5 |
| 5°    | 2120.6 | 2109.4 | 2092.4 | 2071.3 | 2049.5 | 1995.9 | 1965.6 | 1930.4 | 1852.9 | 1783.2 | 1714.1 |
| 7.5°  | 2146.7 | 2144.6 | 2153.7 | 2153.7 | 2161.5 | 2141.1 | 2098.1 | 2073.4 | 1991.0 | 1877.6 | 1749.3 |
| 10°   | 1963.5 | 1969.9 | 2014.2 | 2072.0 | 2152.3 | 2208.0 | 2200.9 | 2194.6 | 2104.4 | 1949.4 | 1790.9 |
| 12.5° | 1817.7 | 1803.6 | 1829.7 | 1879.0 | 1999.4 | 2134.0 | 2224.9 | 2225.6 | 2202.4 | 2064.3 | 1821.2 |
| 15°   | 1735.3 | 1745.1 | 1752.2 | 1775.4 | 1866.3 | 2022.0 | 2181.9 | 2229.1 | 2331.3 | 2145.3 | 1869.1 |
| 17.5° | 1788.1 | 1755.0 | 1753.6 | 1759.2 | 1805.7 | 1922.7 | 2102.3 | 2183.3 | 2401.7 | 2249.6 | 1928.3 |
| 20°   | 1857.1 | 1856.4 | 1836.7 | 1829.7 | 1829.0 | 1933.2 | 2050.2 | 2160.1 | 2439.1 | 2384.8 | 1988.2 |
| 22.5° | 1978.3 | 1978.3 | 1945.9 | 1930.4 | 1897.3 | 1982.5 | 2057.2 | 2131.9 | 2501.1 | 2477.8 | 2017.1 |
| 25°   | 2181.2 | 2148.1 | 2092.4 | 2054.4 | 2035.4 | 2065.7 | 2131.9 | 2198.8 | 2555.3 | 2576.5 | 2076.9 |
| 27.5° | 2368.6 | 2316.5 | 2289.0 | 2223.5 | 2198.1 | 2180.5 | 2241.1 | 2308.7 | 2618.7 | 2730.0 | 2109.4 |
| 30°   | 2581.4 | 2572.2 | 2522.9 | 2438.4 | 2375.7 | 2343.3 | 2398.9 | 2465.8 | 2735.0 | 2887.2 | 2184.0 |
| 32.5° | 2961.8 | 2878.7 | 2811.8 | 2708.2 | 2606.0 | 2537.0 | 2592.0 | 2636.3 | 2928.0 | 3051.3 | 2265.8 |
| 35°   | 3372.6 | 3345.8 | 3230.3 | 3043.6 | 2887.2 | 2825.2 | 2857.6 | 2890.7 | 3152.8 | 3302.1 | 2403.1 |
| 37.5° | 3776.3 | 3739.6 | 3644.5 | 3487.4 | 3297.2 | 3171.1 | 3194.3 | 3233.1 | 3405.0 | 3640.3 | 2570.8 |
| 40°   | 4066.5 | 4021.4 | 3973.5 | 3950.3 | 3761.5 | 3588.9 | 3575.5 | 3585.3 | 3746.0 | 3957.3 | 2756.8 |
| 42.5° | 4087.7 | 4143.3 | 4158.1 | 4251.8 | 4207.4 | 4065.8 | 3983.4 | 3985.5 | 4071.5 | 4270.8 | 2944.9 |
| 45°   | 4043.3 | 3991.9 | 4101.1 | 4356.8 | 4503.3 | 4569.6 | 4430.8 | 4413.2 | 4273.0 | 4452.6 | 3038.6 |
| 47.5° | 3577.6 | 3591.7 | 3776.3 | 4180.7 | 4604.1 | 4900.0 | 4867.6 | 4809.1 | 4380.8 | 4446.3 | 3023.8 |
| 50°   | 2828.0 | 2913.2 | 3084.4 | 3588.2 | 4322.3 | 4952.1 | 5143.1 | 5007.8 | 4316.6 | 4271.6 | 2873.1 |
| 52.5° | 1883.2 | 1918.4 | 2031.2 | 2681.4 | 3475.4 | 4426.5 | 4826.0 | 4857.0 | 4257.5 | 4042.6 | 2682.1 |
| 55°   | 838.4  | 835.6  | 994.1  | 1400.6 | 2180.5 | 3368.3 | 3943.2 | 4132.1 | 4029.9 | 3809.4 | 2496.1 |
| 57.5° | 355.1  | 367.1  | 431.9  | 605.2  | 1072.3 | 2032.6 | 2671.6 | 2837.1 | 3099.2 | 3128.1 | 1914.9 |
| 60°   | 240.2  | 241.7  | 259.3  | 302.9  | 448.8  | 954.6  | 1401.3 | 1600.0 | 1787.4 | 1774.7 | 1015.9 |
| 62.5° | 188.8  | 193.7  | 207.1  | 224.7  | 266.3  | 433.3  | 627.0  | 737.6  | 749.6  | 630.6  | 385.4  |
| 65°   | 161.3  | 162.0  | 175.4  | 190.2  | 208.5  | 252.2  | 302.2  | 307.9  | 311.4  | 300.1  | 283.2  |
| 67.5° | 133.2  | 134.6  | 145.1  | 162.0  | 179.0  | 193.0  | 207.1  | 214.2  | 230.4  | 262.1  | 257.9  |
| 70°   | 105.7  | 107.8  | 117.0  | 131.0  | 146.5  | 155.0  | 172.6  | 179.0  | 193.7  | 218.4  | 228.3  |
| 72.5° | 80.3   | 81.0   | 88.8   | 98.6   | 112.7  | 121.2  | 136.0  | 143.0  | 152.9  | 174.0  | 183.2  |
| 75°   | 57.8   | 59.9   | 65.5   | 70.5   | 72.6   | 78.2   | 92.3   | 100.0  | 114.1  | 123.3  | 124.0  |
| 77.5° | 30.3   | 31.7   | 33.1   | 33.1   | 40.2   | 50.7   | 59.9   | 64.1   | 74.0   | 81.0   | 77.5   |
| 80°   | 12.0   | 12.7   | 16.2   | 21.8   | 28.2   | 36.6   | 43.0   | 45.1   | 53.5   | 57.8   | 59.9   |
| 82.5° | 7.0    | 7.7    | 10.6   | 15.5   | 20.4   | 26.1   | 31.0   | 33.1   | 38.7   | 43.7   | 45.1   |
| 85°   | 3.5    | 4.2    | 6.3    | 9.9    | 13.4   | 16.2   | 15.5   | 14.8   | 14.8   | 14.1   | 14.8   |
| 87.5° | 1.4    | 1.4    | 2.1    | 2.1    | 2.1    | 2.8    | 3.5    | 3.5    | 3.5    | 4.2    | 4.2    |
| 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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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1647.9 | 1647.9 | 1647.9 | 1647.9 | 1647.9 | 1647.9 | 1647.9 | 1647.9 | 1647.9 | 1647.9 | 1647.9 |
| 2.5°  | 1650.0 | 1621.8 | 1595.8 | 1547.8 | 1495.7 | 1480.9 | 1420.3 | 1398.5 | 1383.0 | 1364.7 | 1359.0 |
| 5°    | 1658.5 | 1621.1 | 1537.3 | 1440.8 | 1364.0 | 1265.3 | 1200.5 | 1130.8 | 1080.0 | 1067.4 | 1063.8 |
| 7.5°  | 1676.1 | 1612.0 | 1467.5 | 1321.7 | 1164.6 | 1030.7 | 928.6  | 873.6  | 825.0  | 822.2  | 817.3  |
| 10°   | 1695.8 | 1584.5 | 1391.4 | 1162.5 | 961.7  | 837.7  | 776.4  | 752.4  | 740.5  | 737.6  | 736.2  |
| 12.5° | 1712.0 | 1578.8 | 1306.2 | 1007.5 | 818.0  | 743.3  | 725.0  | 722.8  | 727.8  | 729.2  | 732.0  |
| 15°   | 1719.0 | 1556.3 | 1203.3 | 868.7  | 728.5  | 701.0  | 708.8  | 717.2  | 720.7  | 729.9  | 722.8  |
| 17.5° | 1732.4 | 1527.4 | 1076.5 | 758.8  | 678.5  | 683.4  | 696.8  | 706.6  | 712.3  | 718.6  | 709.5  |
| 20°   | 1739.5 | 1501.3 | 957.5  | 693.3  | 660.8  | 670.0  | 688.3  | 696.1  | 703.1  | 705.9  | 695.4  |
| 22.5° | 1733.1 | 1447.8 | 852.5  | 640.4  | 643.9  | 655.9  | 672.1  | 680.6  | 676.3  | 665.1  | 658.7  |
| 25°   | 1716.2 | 1372.4 | 743.3  | 606.6  | 620.0  | 641.1  | 653.8  | 647.5  | 639.7  | 633.4  | 631.3  |
| 27.5° | 1715.5 | 1280.1 | 664.4  | 575.6  | 599.6  | 628.4  | 624.2  | 618.6  | 622.1  | 617.2  | 611.5  |
| 30°   | 1719.0 | 1190.7 | 599.6  | 558.0  | 584.8  | 598.8  | 603.8  | 598.1  | 602.4  | 593.2  | 596.0  |
| 32.5° | 1700.7 | 1103.3 | 557.3  | 537.6  | 567.1  | 566.4  | 582.6  | 586.9  | 577.0  | 558.0  | 560.8  |
| 35°   | 1708.5 | 1032.8 | 521.4  | 528.4  | 547.4  | 547.4  | 560.1  | 555.2  | 529.1  | 517.8  | 520.6  |
| 37.5° | 1762.0 | 963.8  | 503.7  | 515.7  | 528.4  | 534.0  | 529.8  | 508.7  | 502.3  | 502.3  | 503.7  |
| 40°   | 1812.7 | 904.6  | 493.2  | 512.9  | 510.8  | 514.3  | 483.3  | 485.4  | 485.4  | 486.1  | 482.6  |
| 42.5° | 1857.8 | 864.5  | 484.7  | 496.0  | 499.5  | 481.2  | 462.2  | 460.1  | 465.0  | 464.3  | 461.5  |
| 45°   | 1874.0 | 831.3  | 472.7  | 477.0  | 479.8  | 449.5  | 440.3  | 436.1  | 441.7  | 443.9  | 446.7  |
| 47.5° | 1812.0 | 803.9  | 459.4  | 450.9  | 445.3  | 425.5  | 413.6  | 405.8  | 412.9  | 424.8  | 427.6  |
| 50°   | 1732.4 | 767.9  | 438.2  | 422.0  | 410.0  | 401.6  | 393.1  | 385.4  | 390.3  | 398.8  | 396.6  |
| 52.5° | 1614.8 | 711.6  | 411.4  | 394.5  | 374.1  | 376.2  | 368.5  | 364.2  | 367.1  | 367.1  | 364.9  |
| 55°   | 1447.1 | 584.8  | 366.4  | 354.4  | 337.5  | 343.1  | 344.5  | 338.9  | 333.2  | 338.2  | 333.9  |
| 57.5° | 987.7  | 412.9  | 326.9  | 326.9  | 310.0  | 317.7  | 317.0  | 303.7  | 290.3  | 291.7  | 288.9  |
| 60°   | 571.4  | 329.0  | 301.5  | 298.7  | 281.1  | 287.4  | 288.9  | 279.7  | 259.3  | 260.7  | 257.9  |
| 62.5° | 324.8  | 281.1  | 263.5  | 259.3  | 255.7  | 261.4  | 261.4  | 249.4  | 231.8  | 233.2  | 230.4  |
| 65°   | 276.2  | 260.7  | 235.3  | 234.6  | 233.2  | 234.6  | 229.0  | 216.3  | 200.8  | 194.4  | 195.2  |
| 67.5° | 250.8  | 240.9  | 216.3  | 209.9  | 205.7  | 205.0  | 194.4  | 182.5  | 175.4  | 169.8  | 169.1  |
| 70°   | 219.8  | 212.1  | 193.7  | 185.3  | 181.1  | 171.2  | 160.6  | 152.9  | 143.0  | 140.2  | 143.0  |
| 72.5° | 174.0  | 173.3  | 166.3  | 157.1  | 148.0  | 140.2  | 131.0  | 120.5  | 111.3  | 109.2  | 104.3  |
| 75°   | 120.5  | 121.9  | 123.3  | 121.9  | 114.1  | 104.3  | 93.7   | 85.2   | 74.0   | 67.6   | 66.2   |
| 77.5° | 78.9   | 81.0   | 83.1   | 80.3   | 75.4   | 66.2   | 59.2   | 48.6   | 40.2   | 35.2   | 34.5   |
| 80°   | 57.8   | 60.6   | 62.0   | 59.9   | 54.2   | 47.2   | 39.5   | 31.0   | 24.7   | 20.4   | 20.4   |
| 82.5° | 44.4   | 47.2   | 48.6   | 45.1   | 39.5   | 33.8   | 28.2   | 21.8   | 16.9   | 13.4   | 12.7   |
| 85°   | 15.5   | 14.8   | 17.6   | 18.3   | 21.8   | 20.4   | 16.9   | 12.7   | 9.9    | 7.0    | 6.3    |
| 87.5° | 4.2    | 4.2    | 4.9    | 4.9    | 4.2    | 3.5    | 3.5    | 3.5    | 2.8    | 2.1    | 2.1    |
| 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)