

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: P527491

Luminaire Tested: **GLAN-SA2C-730-U-T3R-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527491  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2C-730-U-T3R-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7831 lumens  
Efficiency: N/A  
Efficacy: 72.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G0

Input Watts (W): 108  
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

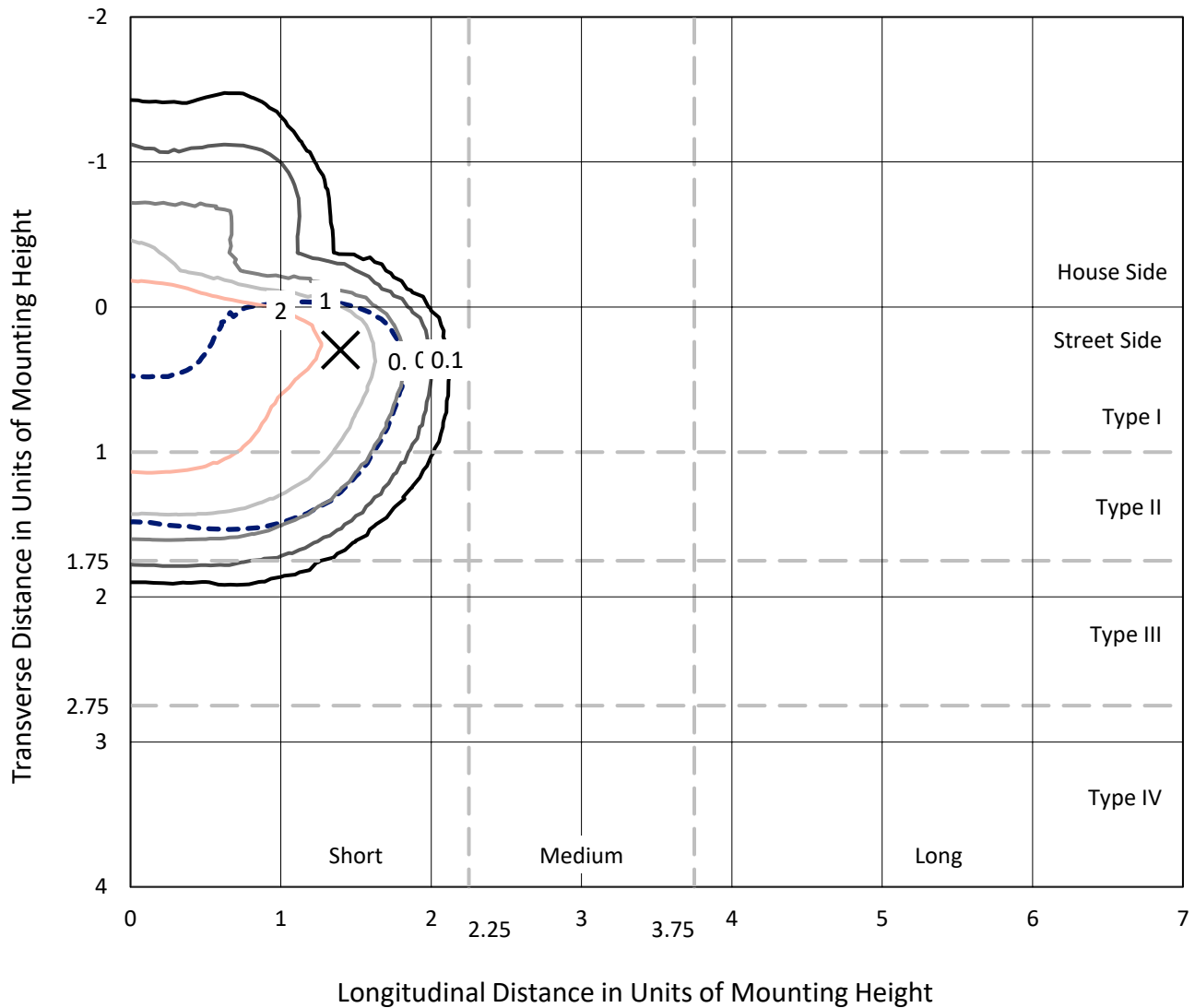


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

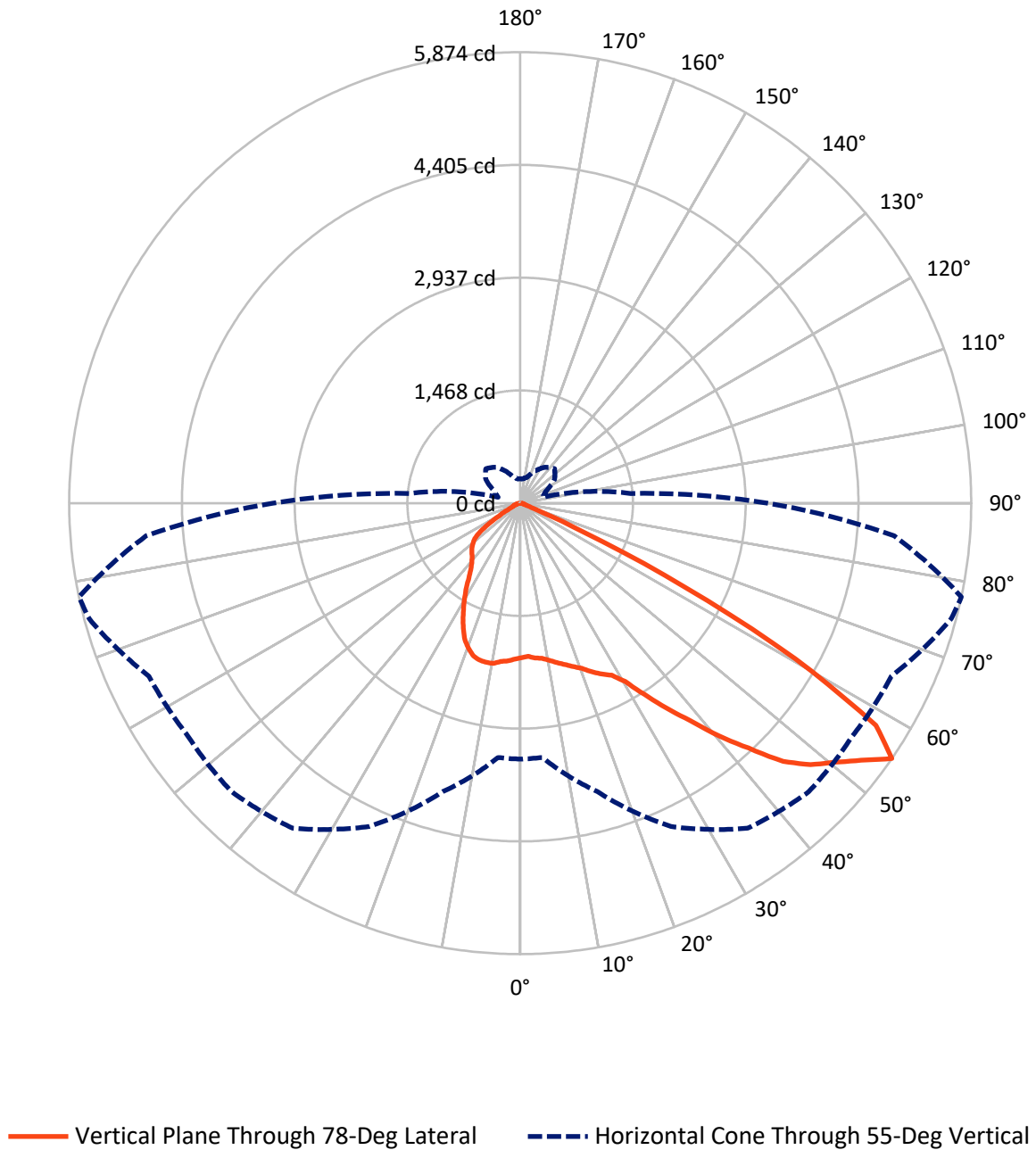


Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1454.5   | 0.0    | 1454.5 |
|                    | % Fixture | 18.6     | 0.0    | 18.6   |
| <b>Street Side</b> | Lumens    | 6376.5   | 0.0    | 6376.5 |
|                    | % Fixture | 81.4     | 0.0    | 81.4   |
| <b>Total</b>       | Lumens    | 7831.0   | 0.0    | 7831.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 179.5  | 2.3       |
| 10°-20°   | 475.1  | 6.1       |
| 20°-30°   | 832.8  | 10.6      |
| 30°-40°   | 1373.2 | 17.5      |
| 40°-50°   | 1998.2 | 25.5      |
| 50°-60°   | 2264.1 | 28.9      |
| 60°-70°   | 647.3  | 8.3       |
| 70°-80°   | 50.3   | 0.6       |
| 80°-90°   | 10.5   | 0.1       |
| 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°    | 7831.0 | 100.0     |
| 0°-180°   | 7831.0 | 100.0     |

**Coefficient of Utilization**



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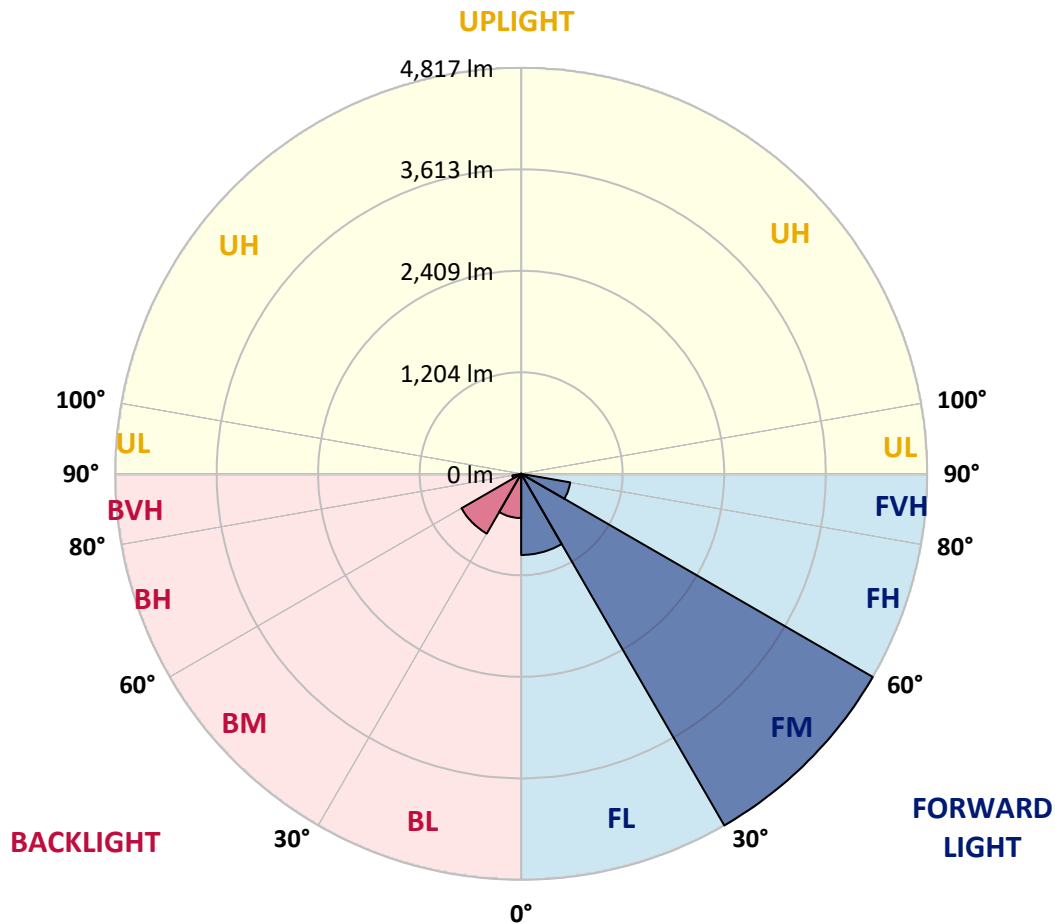
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 962.7  | 12.3      |                         |      |        |
| FM   | (30°-60°)   | 4817.3 | 61.5      |                         |      |        |
| FH   | (60°-80°)   | 591.4  | 7.6       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 5.1    | 0.1       |                         |      | G0/10  |
| BL   | (0°-30°)    | 524.8  | 6.7       | B2/1000                 |      |        |
| BM   | (30°-60°)   | 818.2  | 10.4      | B1/1000                 |      |        |
| BH   | (60°-80°)   | 106.2  | 1.4       | B0/110                  |      | G0/110 |
| BVH  | (80°-90°)   | 5.4    | 0.1       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B2-U0-G0**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 78°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2013.4 | 2013.4 | 2013.4 | 2013.4 | 2013.4 | 2013.4 | 2013.4 | 2013.4 | 2013.4 | 2013.4 | 2013.4 |
| 2.5°  | 1892.9 | 1911.1 | 1913.9 | 1936.3 | 1934.9 | 1972.8 | 1984.0 | 1985.4 | 2010.6 | 1998.0 | 2030.2 |
| 5°    | 1839.7 | 1829.9 | 1825.7 | 1864.9 | 1876.1 | 1909.7 | 1937.7 | 1954.6 | 2006.4 | 2024.6 | 2058.2 |
| 7.5°  | 1792.1 | 1792.1 | 1794.9 | 1829.9 | 1825.7 | 1869.1 | 1898.5 | 1950.3 | 2026.0 | 2041.4 | 2082.0 |
| 10°   | 1745.9 | 1729.1 | 1750.1 | 1786.5 | 1817.3 | 1836.9 | 1898.5 | 1947.5 | 2035.8 | 2080.6 | 2136.6 |
| 12.5° | 1722.1 | 1730.5 | 1733.3 | 1759.9 | 1793.5 | 1852.3 | 1885.9 | 1967.2 | 2105.8 | 2132.4 | 2192.6 |
| 15°   | 1871.9 | 1855.1 | 1814.5 | 1790.7 | 1818.7 | 1846.7 | 1930.7 | 2013.4 | 2142.2 | 2180.0 | 2247.2 |
| 17.5° | 2045.6 | 2031.6 | 1998.0 | 1933.5 | 1870.5 | 1922.3 | 1988.2 | 2063.8 | 2181.4 | 2237.4 | 2336.8 |
| 20°   | 2272.4 | 2250.0 | 2216.4 | 2090.4 | 2035.8 | 1979.8 | 2049.8 | 2139.4 | 2245.8 | 2296.2 | 2398.4 |
| 22.5° | 2542.6 | 2542.6 | 2467.0 | 2314.4 | 2201.0 | 2147.8 | 2177.2 | 2229.0 | 2317.2 | 2385.8 | 2486.6 |
| 25°   | 2824.0 | 2815.6 | 2747.0 | 2588.8 | 2397.0 | 2334.0 | 2367.6 | 2404.0 | 2427.8 | 2465.6 | 2532.8 |
| 27.5° | 3146.0 | 3097.0 | 3010.2 | 2835.2 | 2665.8 | 2544.0 | 2580.4 | 2548.2 | 2518.8 | 2538.4 | 2635.0 |
| 30°   | 3364.5 | 3395.3 | 3284.7 | 3116.6 | 2957.0 | 2821.2 | 2828.2 | 2800.2 | 2665.8 | 2693.8 | 2751.2 |
| 32.5° | 3591.3 | 3610.9 | 3549.3 | 3456.9 | 3297.3 | 3139.0 | 3081.6 | 3057.8 | 2957.0 | 2969.6 | 2913.6 |
| 35°   | 3780.3 | 3818.1 | 3763.5 | 3722.9 | 3676.7 | 3549.3 | 3391.1 | 3468.1 | 3305.7 | 3274.9 | 3129.2 |
| 37.5° | 3953.9 | 3942.7 | 4007.1 | 3965.1 | 3955.3 | 3865.7 | 3692.1 | 3707.5 | 3598.3 | 3591.3 | 3423.3 |
| 40°   | 4109.3 | 4112.1 | 4200.3 | 4219.9 | 4180.7 | 4021.1 | 3769.1 | 3890.9 | 3979.1 | 3987.5 | 3771.9 |
| 42.5° | 4238.1 | 4275.9 | 4351.5 | 4509.7 | 4450.9 | 4184.9 | 3848.9 | 3981.9 | 4309.5 | 4361.3 | 4102.3 |
| 45°   | 4350.1 | 4427.1 | 4520.9 | 4662.4 | 4628.8 | 4417.3 | 4047.7 | 4169.5 | 4662.4 | 4798.2 | 4413.1 |
| 47.5° | 4357.1 | 4457.9 | 4560.2 | 4770.2 | 4812.2 | 4541.9 | 4253.5 | 4466.3 | 4942.4 | 5089.4 | 4640.0 |
| 50°   | 4329.1 | 4382.3 | 4586.8 | 4815.0 | 4910.2 | 4745.0 | 4541.9 | 4715.6 | 5214.0 | 5306.4 | 4754.8 |
| 52.5° | 3997.3 | 4037.9 | 4448.1 | 4857.0 | 5086.6 | 4974.6 | 4924.2 | 5062.8 | 5491.2 | 5559.8 | 4862.6 |
| 55°   | 3332.3 | 3325.3 | 3889.5 | 4645.6 | 5167.8 | 5314.8 | 5284.0 | 5333.0 | 5811.8 | 5873.5 | 4889.2 |
| 57.5° | 2279.4 | 2406.8 | 2894.0 | 3868.5 | 4670.8 | 5235.0 | 5267.2 | 5186.0 | 5438.0 | 5461.8 | 4261.9 |
| 60°   | 1229.3 | 1282.5 | 1674.5 | 2581.8 | 3556.3 | 4266.1 | 4350.1 | 4203.1 | 4183.5 | 4116.3 | 3042.4 |
| 62.5° | 488.6  | 515.2  | 737.9  | 1278.3 | 1937.7 | 2593.0 | 2773.6 | 2713.4 | 2584.6 | 2408.2 | 1575.1 |
| 65°   | 232.4  | 249.2  | 366.8  | 597.8  | 859.7  | 1080.9 | 1261.5 | 1317.5 | 971.7  | 875.1  | 519.4  |
| 67.5° | 158.2  | 170.8  | 267.4  | 341.6  | 306.6  | 320.6  | 417.2  | 387.8  | 228.2  | 194.6  | 144.2  |
| 70°   | 120.4  | 128.8  | 214.2  | 232.4  | 137.2  | 96.6   | 107.8  | 100.8  | 93.8   | 95.2   | 93.8   |
| 72.5° | 85.4   | 92.4   | 156.8  | 137.2  | 60.2   | 44.8   | 57.4   | 68.6   | 68.6   | 68.6   | 67.2   |
| 75°   | 51.8   | 58.8   | 91.0   | 53.2   | 23.8   | 23.8   | 36.4   | 46.2   | 49.0   | 50.4   | 47.6   |
| 77.5° | 26.6   | 33.6   | 30.8   | 15.4   | 15.4   | 18.2   | 26.6   | 32.2   | 35.0   | 35.0   | 33.6   |
| 80°   | 5.6    | 5.6    | 5.6    | 8.4    | 15.4   | 19.6   | 26.6   | 29.4   | 33.6   | 33.6   | 30.8   |
| 82.5° | 0.0    | 1.4    | 4.2    | 8.4    | 14.0   | 18.2   | 25.2   | 29.4   | 33.6   | 35.0   | 32.2   |
| 85°   | 0.0    | 1.4    | 2.8    | 5.6    | 9.8    | 11.2   | 9.8    | 8.4    | 8.4    | 8.4    | 8.4    |
| 87.5° | 0.0    | 0.0    | 1.4    | 1.4    | 1.4    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 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°    | 2013.4 | 2013.4 | 2013.4 | 2013.4 | 2013.4 | 2013.4 | 2013.4 | 2013.4 | 2013.4 | 2013.4 | 2013.4 |
| 2.5°  | 2033.0 | 2037.2 | 2030.2 | 2028.8 | 2023.2 | 2040.0 | 1999.4 | 1989.6 | 2014.8 | 1991.0 | 1996.6 |
| 5°    | 2059.6 | 2069.4 | 2056.8 | 2035.8 | 2005.0 | 1957.4 | 1916.7 | 1863.5 | 1838.3 | 1820.1 | 1817.3 |
| 7.5°  | 2079.2 | 2086.2 | 2073.6 | 2006.4 | 1913.9 | 1793.5 | 1703.9 | 1638.1 | 1586.3 | 1570.9 | 1545.7 |
| 10°   | 2159.0 | 2160.4 | 2097.4 | 1948.9 | 1768.3 | 1610.1 | 1472.9 | 1372.1 | 1320.3 | 1288.1 | 1274.1 |
| 12.5° | 2212.2 | 2209.4 | 2082.0 | 1835.5 | 1594.7 | 1384.7 | 1227.9 | 1106.1 | 1058.5 | 1043.1 | 1033.3 |
| 15°   | 2279.4 | 2264.0 | 2045.6 | 1719.3 | 1370.7 | 1143.9 | 1002.5 | 918.5  | 914.3  | 904.5  | 914.3  |
| 17.5° | 2332.6 | 2289.2 | 1992.4 | 1507.9 | 1156.5 | 942.3  | 849.9  | 855.5  | 866.7  | 876.5  | 877.9  |
| 20°   | 2419.4 | 2329.8 | 1870.5 | 1323.1 | 957.7  | 807.9  | 806.5  | 831.7  | 859.7  | 870.9  | 882.1  |
| 22.5° | 2485.2 | 2346.6 | 1740.3 | 1125.7 | 795.3  | 753.3  | 777.1  | 814.9  | 835.9  | 847.1  | 863.9  |
| 25°   | 2509.0 | 2300.4 | 1566.7 | 928.3  | 716.9  | 728.1  | 764.5  | 789.7  | 816.3  | 828.9  | 821.9  |
| 27.5° | 2532.8 | 2276.6 | 1359.5 | 764.5  | 674.9  | 711.3  | 742.1  | 767.3  | 775.7  | 792.5  | 803.7  |
| 30°   | 2590.2 | 2194.0 | 1173.3 | 660.9  | 653.9  | 700.1  | 722.5  | 730.9  | 753.3  | 763.1  | 763.1  |
| 32.5° | 2636.4 | 2161.8 | 975.9  | 611.8  | 651.1  | 705.7  | 708.5  | 708.5  | 711.3  | 704.3  | 701.5  |
| 35°   | 2731.6 | 2051.2 | 799.5  | 582.4  | 649.6  | 707.1  | 714.1  | 690.3  | 625.8  | 600.6  | 593.6  |
| 37.5° | 2849.2 | 1979.8 | 669.3  | 575.4  | 659.5  | 723.9  | 735.1  | 645.4  | 561.4  | 520.8  | 513.8  |
| 40°   | 2992.0 | 1929.3 | 583.8  | 572.6  | 681.9  | 763.1  | 729.5  | 610.4  | 501.2  | 442.4  | 439.6  |
| 42.5° | 3158.6 | 1883.1 | 526.4  | 571.2  | 709.9  | 803.7  | 723.9  | 581.0  | 439.6  | 400.4  | 406.0  |
| 45°   | 3291.7 | 1857.9 | 487.2  | 561.4  | 719.7  | 827.5  | 728.1  | 529.2  | 414.4  | 389.2  | 392.0  |
| 47.5° | 3395.3 | 1804.7 | 455.0  | 544.6  | 718.3  | 835.9  | 690.3  | 508.2  | 401.8  | 408.8  | 415.8  |
| 50°   | 3398.1 | 1733.3 | 414.4  | 508.2  | 697.3  | 820.5  | 646.8  | 488.6  | 399.0  | 428.4  | 442.4  |
| 52.5° | 3360.3 | 1632.5 | 371.0  | 456.4  | 648.2  | 767.3  | 607.6  | 480.2  | 386.4  | 383.6  | 400.4  |
| 55°   | 3225.8 | 1443.5 | 298.2  | 369.6  | 547.4  | 632.8  | 572.6  | 464.8  | 348.6  | 316.4  | 319.2  |
| 57.5° | 2607.0 | 1034.7 | 219.8  | 264.6  | 387.8  | 463.4  | 516.6  | 457.8  | 313.6  | 268.8  | 270.2  |
| 60°   | 1614.3 | 586.6  | 161.0  | 180.6  | 239.4  | 281.4  | 418.6  | 425.6  | 280.0  | 226.8  | 224.0  |
| 62.5° | 828.9  | 289.8  | 124.6  | 127.4  | 147.0  | 165.2  | 287.0  | 357.0  | 253.4  | 215.6  | 215.6  |
| 65°   | 277.2  | 142.8  | 109.2  | 98.0   | 98.0   | 102.2  | 173.6  | 247.8  | 214.2  | 180.6  | 180.6  |
| 67.5° | 119.0  | 106.4  | 95.2   | 85.4   | 78.4   | 74.2   | 98.0   | 144.2  | 159.6  | 137.2  | 131.6  |
| 70°   | 92.4   | 89.6   | 82.6   | 71.4   | 61.6   | 56.0   | 57.4   | 74.2   | 91.0   | 88.2   | 85.4   |
| 72.5° | 68.6   | 68.6   | 65.8   | 56.0   | 47.6   | 40.6   | 37.8   | 39.2   | 43.4   | 44.8   | 46.2   |
| 75°   | 47.6   | 49.0   | 49.0   | 43.4   | 35.0   | 29.4   | 25.2   | 21.0   | 16.8   | 14.0   | 12.6   |
| 77.5° | 32.2   | 33.6   | 36.4   | 32.2   | 26.6   | 19.6   | 15.4   | 11.2   | 7.0    | 2.8    | 2.8    |
| 80°   | 28.0   | 32.2   | 35.0   | 32.2   | 28.0   | 21.0   | 15.4   | 8.4    | 4.2    | 0.0    | 0.0    |
| 82.5° | 29.4   | 32.2   | 36.4   | 30.8   | 26.6   | 19.6   | 15.4   | 9.8    | 4.2    | 1.4    | 0.0    |
| 85°   | 7.0    | 7.0    | 8.4    | 9.8    | 12.6   | 14.0   | 11.2   | 7.0    | 4.2    | 1.4    | 0.0    |
| 87.5° | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 1.4    | 1.4    | 1.4    | 1.4    | 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    |

(END OF REPORT)