

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: P526499

Luminaire Tested: **GLAN-SA1C-722-U-T2R-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526499  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1C-722-U-T2R-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2200K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3459 lumens  
Efficiency: N/A  
Efficacy: 60.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B1 - U0 - G0

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

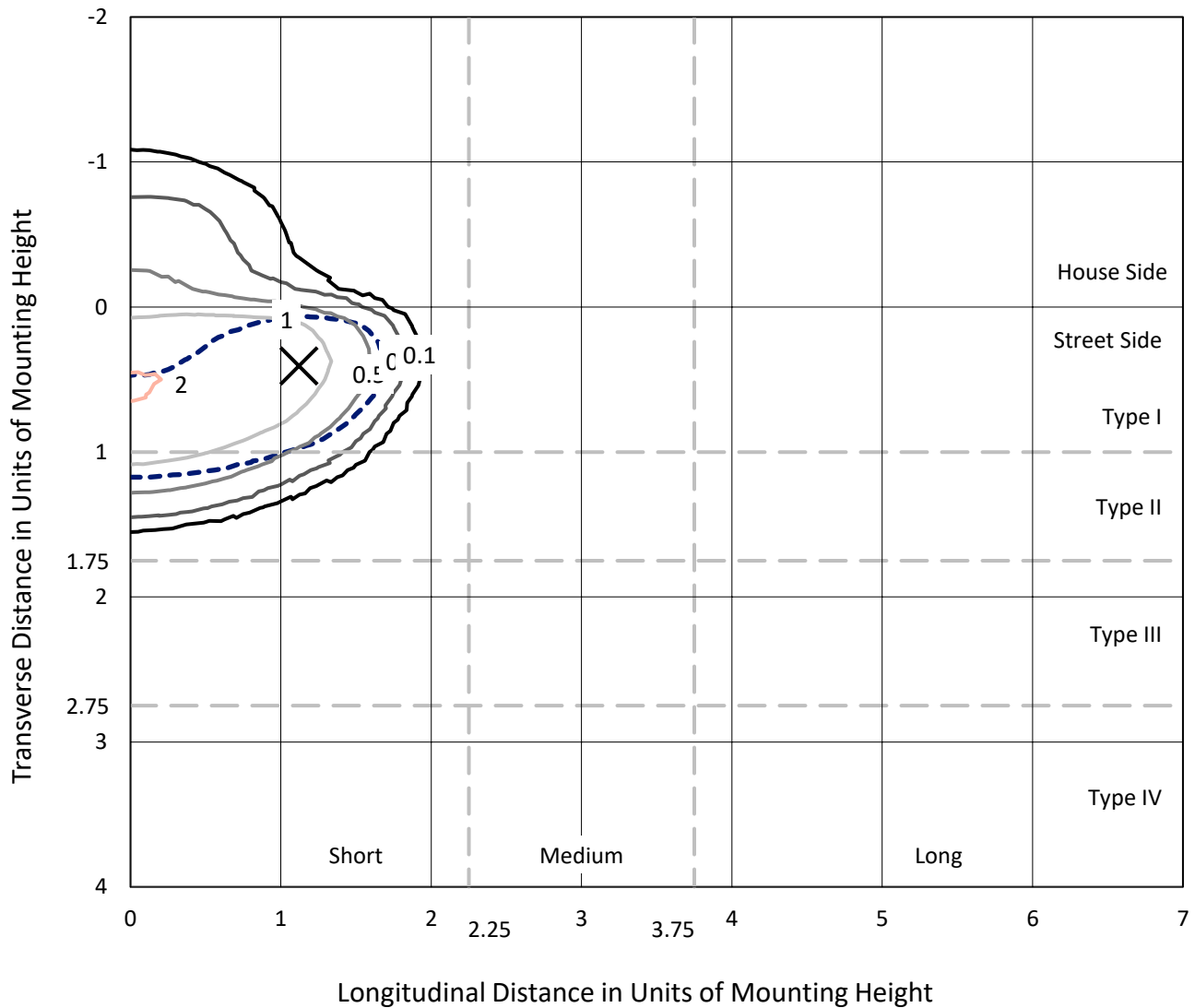


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

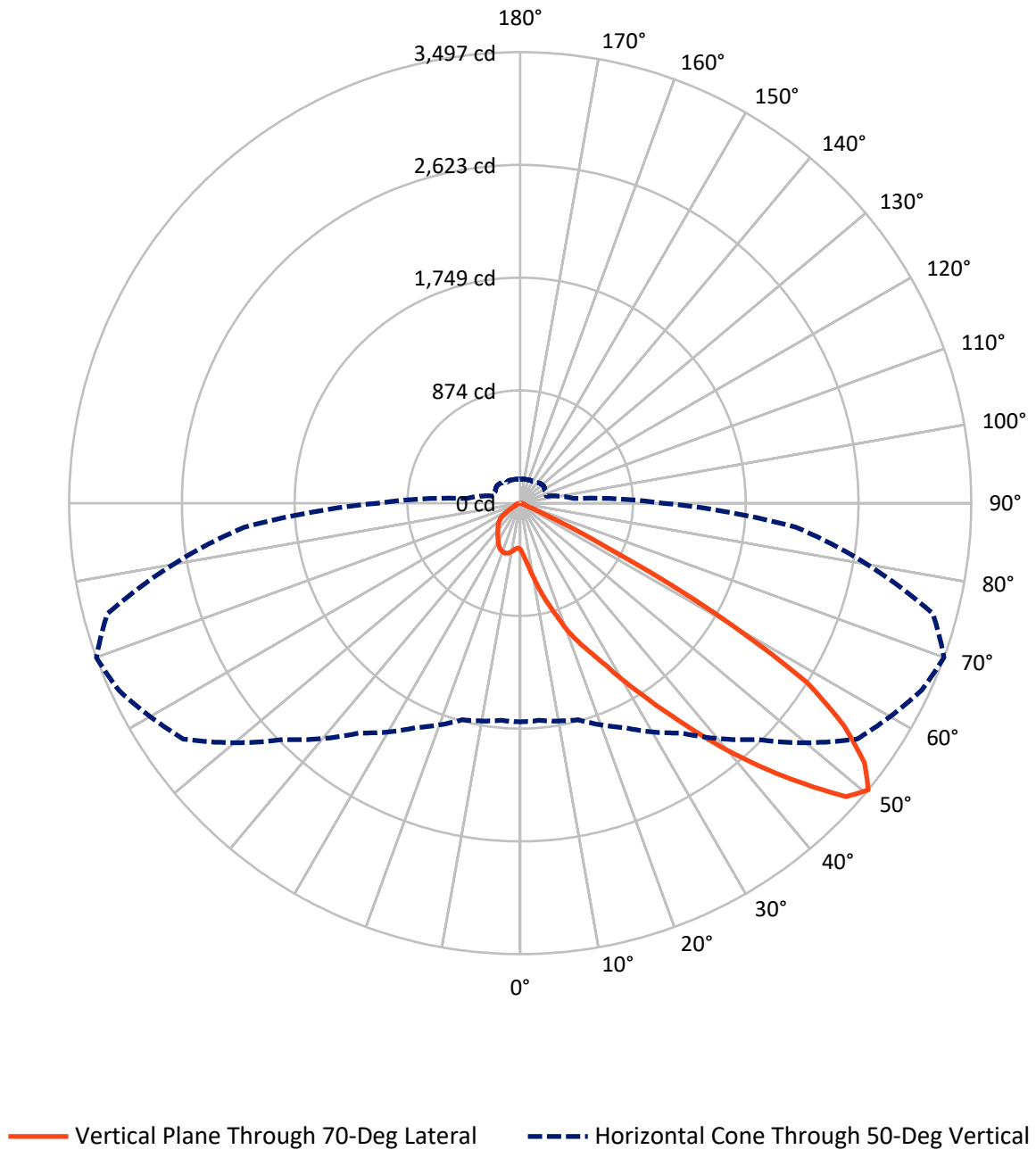


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type I - Short - N/A

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## Luminous Intensity Polar Plot



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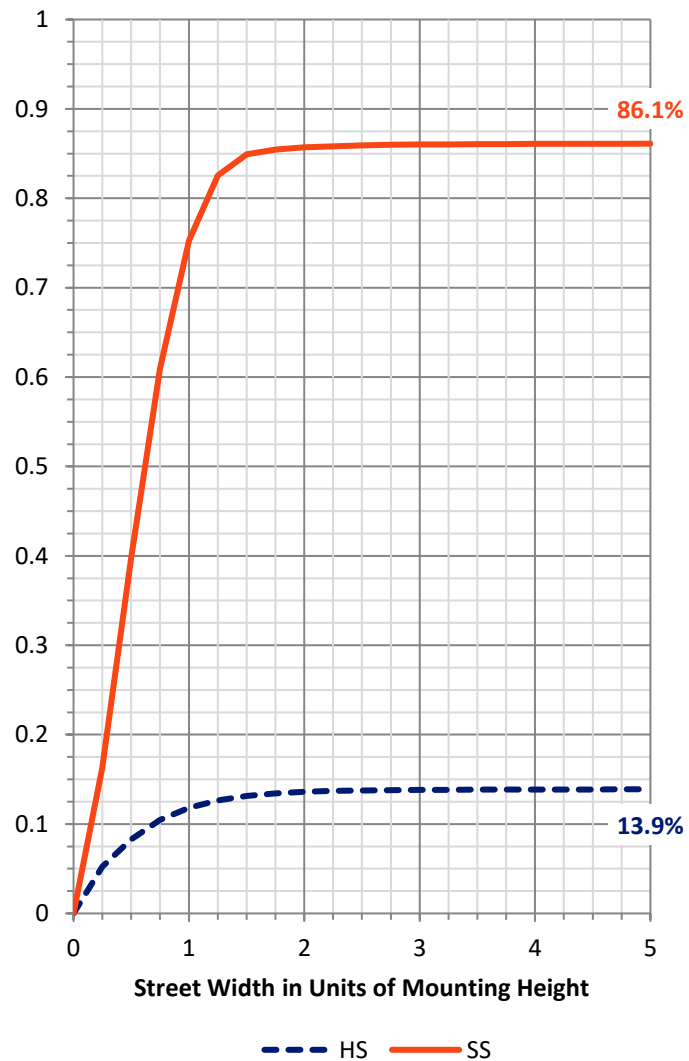
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 483.1    | 0.0    | 483.1  |
|                    | % Fixture | 14.0     | 0.0    | 14.0   |
| <b>Street Side</b> | Lumens    | 2975.9   | 0.0    | 2975.9 |
|                    | % Fixture | 86.0     | 0.0    | 86.0   |
| <b>Total</b>       | Lumens    | 3459.0   | 0.0    | 3459.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 46.6   | 1.3       |
| 10°-20°   | 201.5  | 5.8       |
| 20°-30°   | 422.8  | 12.2      |
| 30°-40°   | 728.7  | 21.1      |
| 40°-50°   | 1065.0 | 30.8      |
| 50°-60°   | 829.5  | 24.0      |
| 60°-70°   | 140.5  | 4.1       |
| 70°-80°   | 19.3   | 0.6       |
| 80°-90°   | 5.0    | 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°    | 3459.0 | 100.0     |
| 0°-180°   | 3459.0 | 100.0     |

**Coefficient of Utilization**



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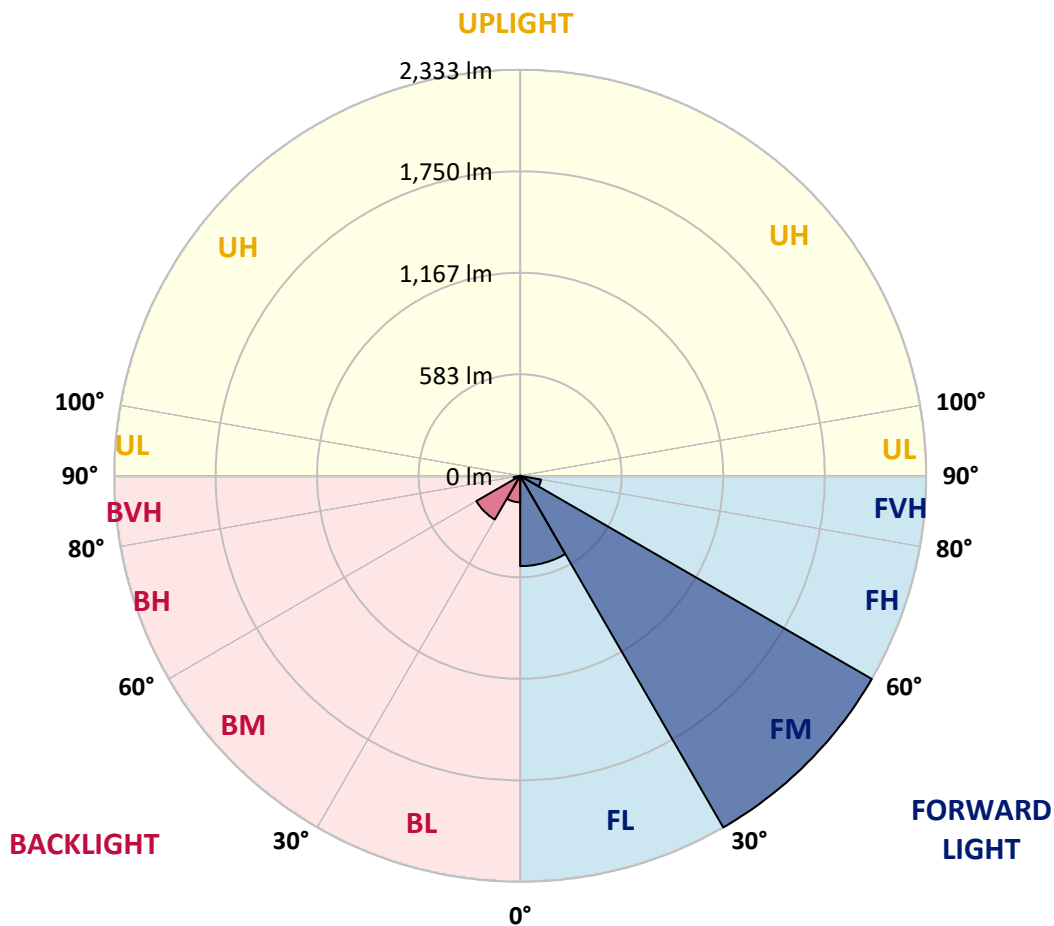
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 518.9  | 15.0      |                         |      |        |
| FM   | (30°-60°)   | 2333.0 | 67.4      |                         |      |        |
| FH   | (60°-80°)   | 121.7  | 3.5       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 2.3    | 0.1       |                         |      | G0/10  |
| BL   | (0°-30°)    | 152.0  | 4.4       | B1/500                  |      |        |
| BM   | (30°-60°)   | 290.2  | 8.4       | B1/1000                 |      |        |
| BH   | (60°-80°)   | 38.2   | 1.1       | B0/110                  |      | G0/110 |
| BVH  | (80°-90°)   | 2.7    | 0.1       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B1-U0-G0**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 70°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 358.3  | 358.3  | 358.3  | 358.3  | 358.3  | 358.3  | 358.3  | 358.3  | 358.3  | 358.3  | 358.3  |
| 2.5°  | 469.2  | 465.8  | 458.4  | 444.7  | 439.0  | 425.4  | 417.4  | 402.1  | 392.4  | 381.6  | 369.7  |
| 5°    | 660.8  | 643.2  | 632.4  | 617.0  | 572.1  | 544.3  | 498.2  | 458.9  | 440.7  | 420.8  | 393.5  |
| 7.5°  | 858.7  | 847.4  | 832.6  | 799.6  | 768.9  | 710.9  | 631.8  | 545.4  | 508.4  | 474.3  | 420.3  |
| 10°   | 1022.5 | 990.7  | 989.0  | 964.5  | 931.0  | 861.6  | 766.6  | 659.1  | 593.2  | 543.1  | 458.4  |
| 12.5° | 1136.8 | 1107.8 | 1120.9 | 1118.1 | 1086.8 | 1023.1 | 913.3  | 771.2  | 702.4  | 624.4  | 497.6  |
| 15°   | 1240.9 | 1229.0 | 1225.0 | 1221.6 | 1209.1 | 1161.9 | 1063.5 | 907.7  | 808.1  | 714.3  | 542.0  |
| 17.5° | 1342.7 | 1312.0 | 1326.8 | 1329.6 | 1328.5 | 1285.8 | 1193.7 | 1037.3 | 920.2  | 809.3  | 588.6  |
| 20°   | 1433.1 | 1436.0 | 1416.1 | 1412.1 | 1408.7 | 1407.0 | 1317.1 | 1165.8 | 1057.8 | 908.8  | 649.5  |
| 22.5° | 1549.2 | 1529.2 | 1546.9 | 1535.5 | 1513.3 | 1499.7 | 1430.9 | 1279.6 | 1177.2 | 1028.8 | 711.5  |
| 25°   | 1686.2 | 1702.1 | 1660.6 | 1656.1 | 1631.6 | 1584.4 | 1522.4 | 1407.0 | 1292.1 | 1140.3 | 778.6  |
| 27.5° | 1855.1 | 1827.2 | 1816.4 | 1791.4 | 1747.1 | 1727.2 | 1654.4 | 1538.3 | 1430.9 | 1257.4 | 843.4  |
| 30°   | 2000.1 | 1992.7 | 1938.7 | 1909.1 | 1870.5 | 1869.9 | 1768.1 | 1716.4 | 1611.7 | 1441.1 | 932.7  |
| 32.5° | 2118.4 | 2086.0 | 2066.1 | 2045.6 | 2014.4 | 2022.9 | 1937.0 | 1909.7 | 1804.5 | 1611.7 | 1037.9 |
| 35°   | 2197.5 | 2174.2 | 2162.2 | 2130.9 | 2121.8 | 2159.9 | 2124.1 | 2112.7 | 2026.3 | 1851.7 | 1161.3 |
| 37.5° | 2222.5 | 2229.9 | 2227.6 | 2188.4 | 2207.7 | 2310.6 | 2356.7 | 2327.1 | 2281.6 | 2104.8 | 1294.9 |
| 40°   | 2244.7 | 2249.8 | 2238.4 | 2284.5 | 2339.7 | 2456.8 | 2623.4 | 2574.5 | 2557.5 | 2361.3 | 1480.9 |
| 42.5° | 2257.2 | 2253.2 | 2253.2 | 2332.8 | 2416.4 | 2651.9 | 2881.1 | 2848.6 | 2835.6 | 2634.2 | 1695.9 |
| 45°   | 2203.2 | 2164.5 | 2206.0 | 2314.1 | 2482.4 | 2748.0 | 3086.9 | 3131.9 | 3113.1 | 2959.0 | 1947.2 |
| 47.5° | 2001.3 | 2025.2 | 2048.5 | 2192.9 | 2402.2 | 2718.4 | 3213.2 | 3366.2 | 3400.9 | 3232.0 | 2112.2 |
| 50°   | 1695.9 | 1690.8 | 1739.1 | 1921.1 | 2175.3 | 2591.0 | 3188.7 | 3433.8 | 3497.0 | 3313.8 | 2146.9 |
| 52.5° | 1233.5 | 1271.1 | 1323.4 | 1504.2 | 1805.6 | 2261.2 | 2873.1 | 3259.2 | 3343.4 | 3213.2 | 2124.1 |
| 55°   | 718.3  | 676.8  | 794.5  | 947.5  | 1231.8 | 1705.5 | 2428.9 | 2889.0 | 3044.8 | 3030.1 | 2009.2 |
| 57.5° | 287.8  | 278.7  | 319.0  | 429.9  | 642.6  | 1057.2 | 1766.4 | 2373.8 | 2623.4 | 2775.3 | 1765.8 |
| 60°   | 126.3  | 123.4  | 145.0  | 175.2  | 262.7  | 487.4  | 966.2  | 1476.4 | 1736.8 | 1939.3 | 1215.3 |
| 62.5° | 91.0   | 89.9   | 100.7  | 111.5  | 138.8  | 212.1  | 406.1  | 594.9  | 741.6  | 895.7  | 544.3  |
| 65°   | 73.4   | 76.2   | 83.6   | 89.3   | 102.4  | 117.7  | 143.3  | 165.5  | 203.0  | 210.4  | 120.0  |
| 67.5° | 59.7   | 62.0   | 68.8   | 75.1   | 77.3   | 63.7   | 66.0   | 58.0   | 58.0   | 51.8   | 41.5   |
| 70°   | 43.8   | 44.4   | 52.3   | 59.7   | 47.8   | 25.6   | 44.9   | 44.9   | 40.4   | 38.7   | 35.3   |
| 72.5° | 32.4   | 33.0   | 39.2   | 37.0   | 18.8   | 15.9   | 33.0   | 36.4   | 33.0   | 31.3   | 28.4   |
| 75°   | 23.9   | 24.5   | 20.5   | 8.5    | 8.0    | 10.2   | 19.3   | 25.0   | 23.9   | 23.3   | 21.6   |
| 77.5° | 4.5    | 3.4    | 2.8    | 4.0    | 5.7    | 8.5    | 12.5   | 15.4   | 15.9   | 17.1   | 15.9   |
| 80°   | 0.6    | 0.6    | 1.7    | 3.4    | 6.3    | 9.1    | 13.1   | 14.8   | 15.4   | 15.9   | 14.8   |
| 82.5° | 0.0    | 0.6    | 1.7    | 3.4    | 6.3    | 8.5    | 11.4   | 13.1   | 14.2   | 14.8   | 14.2   |
| 85°   | 0.0    | 0.6    | 1.1    | 2.8    | 5.1    | 6.3    | 5.7    | 4.0    | 3.4    | 4.0    | 2.8    |
| 87.5° | 0.0    | 0.0    | 0.6    | 0.6    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 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°    | 358.3  | 358.3 | 358.3 | 358.3 | 358.3 | 358.3 | 358.3 | 358.3 | 358.3 | 358.3 | 358.3 |
| 2.5°  | 362.8  | 360.6 | 352.6 | 344.1 | 336.7 | 340.1 | 336.7 | 333.8 | 335.0 | 333.8 | 332.7 |
| 5°    | 382.7  | 372.5 | 355.4 | 348.0 | 341.8 | 341.2 | 339.5 | 338.9 | 339.5 | 339.5 | 334.4 |
| 7.5°  | 401.5  | 385.0 | 366.8 | 358.9 | 351.5 | 352.0 | 348.0 | 348.0 | 347.5 | 344.6 | 343.5 |
| 10°   | 429.9  | 407.8 | 384.4 | 370.2 | 361.1 | 359.4 | 355.4 | 351.5 | 351.5 | 351.5 | 345.8 |
| 12.5° | 461.2  | 433.4 | 401.5 | 385.0 | 374.2 | 365.7 | 359.4 | 358.3 | 352.0 | 350.9 | 348.0 |
| 15°   | 488.5  | 453.3 | 412.9 | 390.1 | 376.5 | 365.1 | 355.4 | 349.2 | 346.3 | 344.6 | 342.4 |
| 17.5° | 515.2  | 470.3 | 419.1 | 390.1 | 375.3 | 362.3 | 352.0 | 346.3 | 339.5 | 340.7 | 336.1 |
| 20°   | 551.1  | 488.5 | 420.8 | 382.7 | 364.5 | 352.0 | 338.4 | 335.5 | 331.6 | 328.1 | 329.3 |
| 22.5° | 585.8  | 501.6 | 415.7 | 373.6 | 347.5 | 332.7 | 325.9 | 322.5 | 320.7 | 317.9 | 313.9 |
| 25°   | 617.0  | 515.8 | 407.8 | 357.1 | 329.3 | 318.5 | 312.2 | 311.7 | 307.7 | 307.7 | 300.3 |
| 27.5° | 648.9  | 520.9 | 394.1 | 337.8 | 313.4 | 307.1 | 304.3 | 303.1 | 301.4 | 297.4 | 292.3 |
| 30°   | 685.3  | 522.6 | 374.2 | 317.9 | 299.1 | 292.3 | 296.3 | 299.1 | 291.7 | 284.4 | 286.6 |
| 32.5° | 715.4  | 518.7 | 350.3 | 299.1 | 288.9 | 285.5 | 293.5 | 296.3 | 287.8 | 279.8 | 275.8 |
| 35°   | 751.8  | 509.0 | 327.0 | 284.4 | 278.7 | 285.5 | 292.3 | 292.3 | 275.3 | 265.6 | 263.3 |
| 37.5° | 807.0  | 498.2 | 305.4 | 271.8 | 267.9 | 282.1 | 291.2 | 284.9 | 258.2 | 246.2 | 243.4 |
| 40°   | 866.1  | 491.4 | 284.4 | 259.3 | 262.2 | 276.4 | 281.5 | 262.2 | 234.9 | 227.5 | 225.2 |
| 42.5° | 952.0  | 477.7 | 265.6 | 248.5 | 257.1 | 268.4 | 268.4 | 233.7 | 223.5 | 219.5 | 219.0 |
| 45°   | 1058.9 | 468.0 | 249.1 | 239.4 | 249.7 | 252.5 | 243.4 | 219.0 | 211.6 | 210.4 | 211.0 |
| 47.5° | 1111.2 | 449.3 | 232.0 | 228.6 | 236.0 | 236.6 | 212.7 | 207.0 | 200.8 | 199.0 | 197.9 |
| 50°   | 1103.3 | 415.7 | 209.9 | 214.4 | 224.6 | 219.0 | 193.9 | 195.1 | 189.4 | 188.8 | 186.0 |
| 52.5° | 1047.6 | 362.8 | 187.7 | 198.5 | 209.9 | 193.4 | 178.6 | 177.4 | 177.4 | 170.0 | 167.2 |
| 55°   | 928.7  | 292.3 | 160.9 | 174.6 | 188.2 | 162.6 | 158.7 | 157.5 | 154.7 | 147.9 | 146.2 |
| 57.5° | 735.3  | 214.4 | 121.1 | 135.9 | 159.8 | 138.2 | 137.6 | 132.5 | 125.1 | 120.0 | 120.0 |
| 60°   | 437.3  | 123.4 | 76.2  | 83.0  | 105.8 | 112.0 | 124.5 | 122.3 | 109.8 | 101.8 | 99.5  |
| 62.5° | 199.6  | 63.7  | 48.3  | 49.5  | 56.9  | 72.8  | 97.8  | 113.2 | 95.5  | 81.9  | 80.8  |
| 65°   | 67.1   | 47.2  | 39.8  | 38.1  | 39.2  | 43.8  | 58.6  | 80.2  | 76.2  | 63.1  | 60.9  |
| 67.5° | 40.9   | 42.1  | 37.5  | 34.7  | 34.7  | 34.1  | 33.6  | 36.4  | 44.9  | 43.8  | 44.4  |
| 70°   | 35.3   | 38.7  | 34.7  | 31.3  | 30.1  | 28.4  | 23.9  | 19.9  | 17.1  | 19.9  | 21.0  |
| 72.5° | 28.4   | 30.7  | 29.6  | 26.7  | 23.9  | 21.6  | 17.1  | 13.1  | 9.7   | 8.5   | 8.5   |
| 75°   | 21.0   | 22.7  | 23.9  | 20.5  | 18.2  | 15.4  | 12.5  | 8.5   | 5.1   | 3.4   | 3.4   |
| 77.5° | 15.4   | 17.1  | 17.6  | 15.9  | 13.6  | 10.8  | 8.0   | 5.7   | 2.8   | 1.1   | 1.1   |
| 80°   | 13.1   | 15.4  | 17.1  | 15.9  | 14.2  | 10.2  | 7.4   | 4.0   | 2.3   | 0.6   | 0.6   |
| 82.5° | 12.5   | 15.4  | 17.1  | 15.4  | 13.6  | 9.7   | 7.4   | 4.5   | 1.7   | 0.6   | 0.6   |
| 85°   | 2.8    | 4.0   | 5.1   | 6.3   | 7.4   | 7.4   | 5.7   | 3.4   | 1.7   | 0.6   | 0.6   |
| 87.5° | 1.1    | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 0.6   | 0.6   | 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)