

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: P526035

Luminaire Tested: **GLAN-SA1A-722-U-T3R-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526035  
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-SA1A-722-U-T3R-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2069 lumens  
Efficiency: N/A  
Efficacy: 62.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0

Input Watts (W): 33  
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



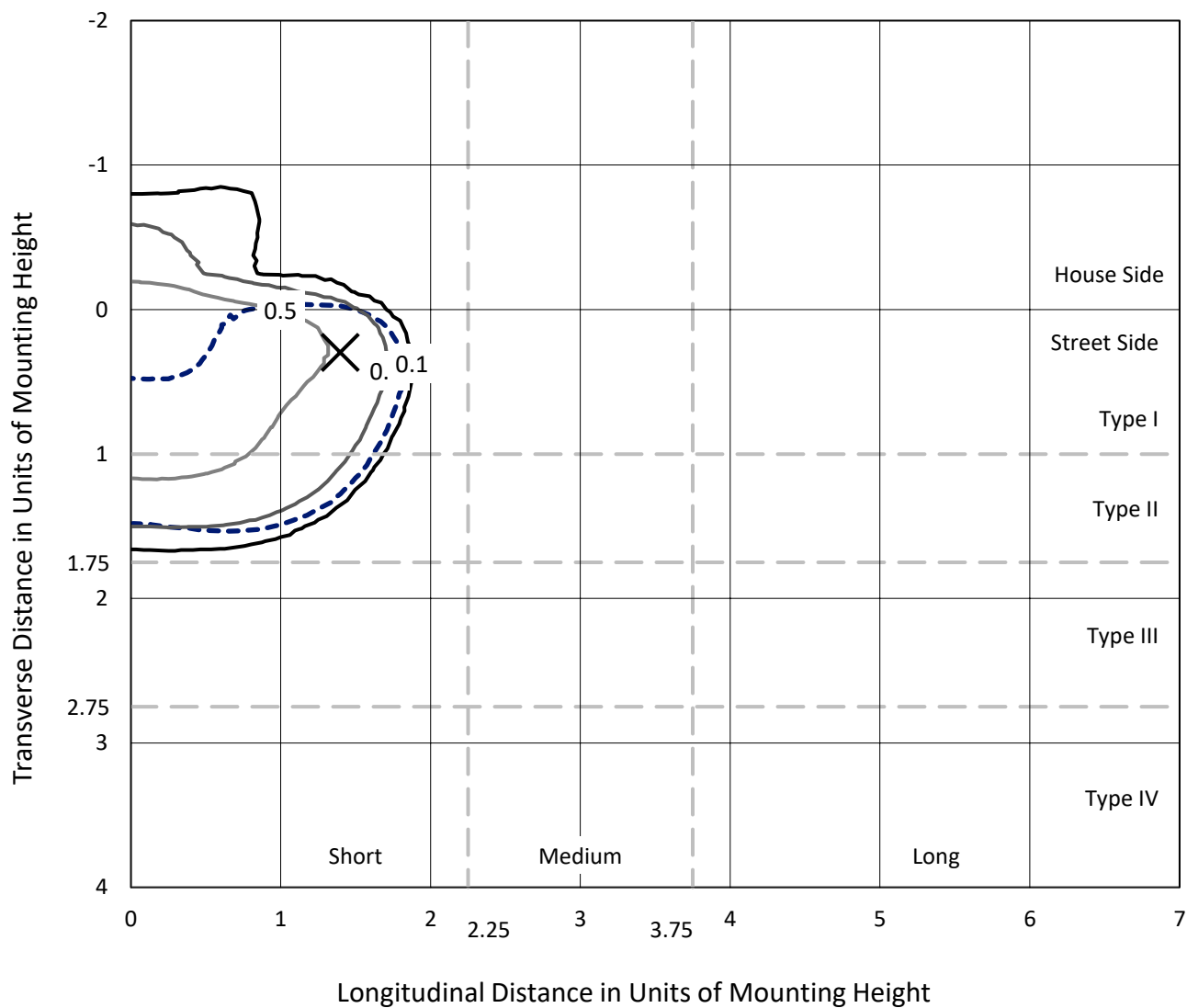
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

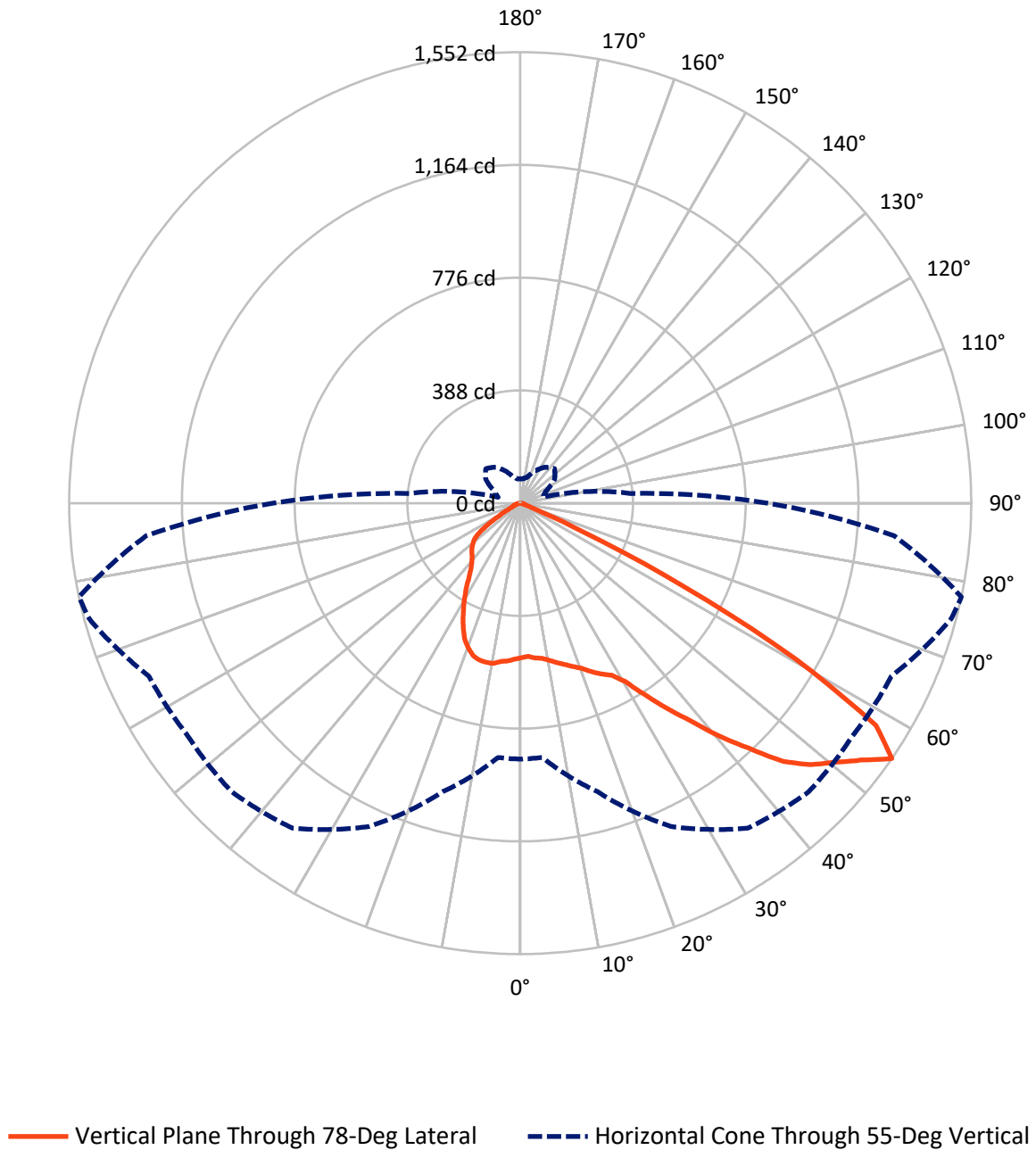


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 384.3    | 0.0    | 384.3  |
|                    | % Fixture | 18.6     | 0.0    | 18.6   |
| <b>Street Side</b> | Lumens    | 1684.7   | 0.0    | 1684.7 |
|                    | % Fixture | 81.4     | 0.0    | 81.4   |
| <b>Total</b>       | Lumens    | 2069.0   | 0.0    | 2069.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 47.4   | 2.3       |
| 10°-20°   | 125.5  | 6.1       |
| 20°-30°   | 220.0  | 10.6      |
| 30°-40°   | 362.8  | 17.5      |
| 40°-50°   | 527.9  | 25.5      |
| 50°-60°   | 598.2  | 28.9      |
| 60°-70°   | 171.0  | 8.3       |
| 70°-80°   | 13.3   | 0.6       |
| 80°-90°   | 2.8    | 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°    | 2069.0 | 100.0     |
| 0°-180°   | 2069.0 | 100.0     |

**Coefficient of Utilization**



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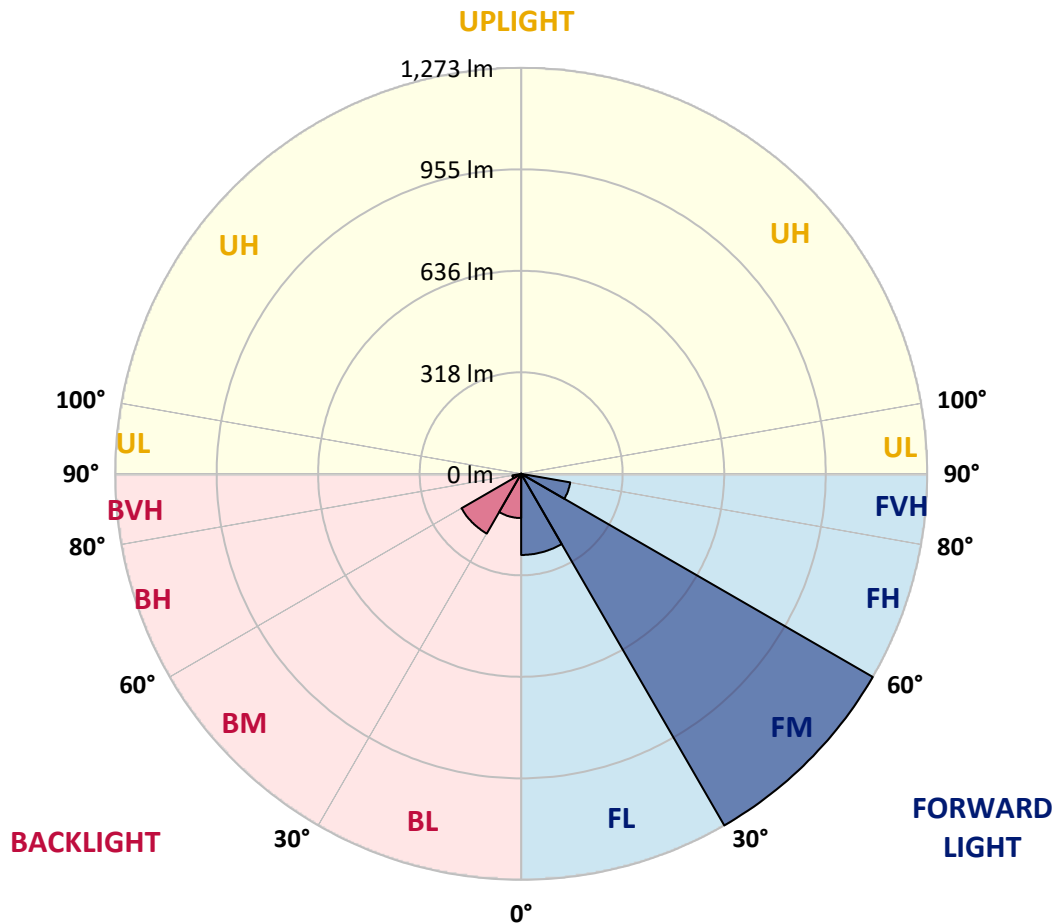
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 254.3  | 12.3      |                         |      |        |
| FM   | (30°-60°)   | 1272.7 | 61.5      |                         |      |        |
| FH   | (60°-80°)   | 156.3  | 7.6       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 1.3    | 0.1       |                         |      | G0/10  |
| BL   | (0°-30°)    | 138.7  | 6.7       | B1/500                  |      |        |
| BM   | (30°-60°)   | 216.2  | 10.4      | B0/220                  |      |        |
| BH   | (60°-80°)   | 28.1   | 1.4       | B0/110                  |      | G0/110 |
| BVH  | (80°-90°)   | 1.4    | 0.1       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

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

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 78°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 531.9  | 531.9  | 531.9  | 531.9  | 531.9  | 531.9  | 531.9  | 531.9  | 531.9  | 531.9  | 531.9  |
| 2.5°  | 500.1  | 504.9  | 505.7  | 511.6  | 511.2  | 521.2  | 524.2  | 524.5  | 531.2  | 527.9  | 536.4  |
| 5°    | 486.1  | 483.5  | 482.4  | 492.7  | 495.7  | 504.6  | 512.0  | 516.4  | 530.1  | 534.9  | 543.8  |
| 7.5°  | 473.5  | 473.5  | 474.2  | 483.5  | 482.4  | 493.8  | 501.6  | 515.3  | 535.3  | 539.3  | 550.1  |
| 10°   | 461.3  | 456.8  | 462.4  | 472.0  | 480.2  | 485.3  | 501.6  | 514.6  | 537.9  | 549.7  | 564.5  |
| 12.5° | 455.0  | 457.2  | 458.0  | 465.0  | 473.9  | 489.4  | 498.3  | 519.7  | 556.4  | 563.4  | 579.3  |
| 15°   | 494.6  | 490.1  | 479.4  | 473.1  | 480.5  | 487.9  | 510.1  | 531.9  | 566.0  | 576.0  | 593.7  |
| 17.5° | 540.4  | 536.8  | 527.9  | 510.9  | 494.2  | 507.9  | 525.3  | 545.3  | 576.3  | 591.1  | 617.4  |
| 20°   | 600.4  | 594.5  | 585.6  | 552.3  | 537.9  | 523.1  | 541.6  | 565.2  | 593.3  | 606.7  | 633.7  |
| 22.5° | 671.8  | 671.8  | 651.8  | 611.5  | 581.5  | 567.5  | 575.2  | 588.9  | 612.2  | 630.3  | 657.0  |
| 25°   | 746.1  | 743.9  | 725.8  | 684.0  | 633.3  | 616.7  | 625.5  | 635.1  | 641.4  | 651.4  | 669.2  |
| 27.5° | 831.2  | 818.3  | 795.3  | 749.1  | 704.3  | 672.1  | 681.8  | 673.2  | 665.5  | 670.7  | 696.2  |
| 30°   | 888.9  | 897.0  | 867.8  | 823.4  | 781.3  | 745.4  | 747.2  | 739.8  | 704.3  | 711.7  | 726.9  |
| 32.5° | 948.8  | 954.0  | 937.7  | 913.3  | 871.2  | 829.4  | 814.2  | 807.9  | 781.3  | 784.6  | 769.8  |
| 35°   | 998.8  | 1008.8 | 994.3  | 983.6  | 971.4  | 937.7  | 895.9  | 916.3  | 873.4  | 865.2  | 826.8  |
| 37.5° | 1044.6 | 1041.7 | 1058.7 | 1047.6 | 1045.0 | 1021.3 | 975.5  | 979.5  | 950.7  | 948.8  | 904.4  |
| 40°   | 1085.7 | 1086.4 | 1109.8 | 1114.9 | 1104.6 | 1062.4 | 995.8  | 1028.0 | 1051.3 | 1053.5 | 996.6  |
| 42.5° | 1119.7 | 1129.7 | 1149.7 | 1191.5 | 1176.0 | 1105.7 | 1016.9 | 1052.0 | 1138.6 | 1152.3 | 1083.9 |
| 45°   | 1149.3 | 1169.7 | 1194.5 | 1231.8 | 1222.9 | 1167.1 | 1069.4 | 1101.6 | 1231.8 | 1267.7 | 1166.0 |
| 47.5° | 1151.2 | 1177.8 | 1204.8 | 1260.3 | 1271.4 | 1200.0 | 1123.8 | 1180.0 | 1305.8 | 1344.6 | 1225.9 |
| 50°   | 1143.8 | 1157.8 | 1211.8 | 1272.1 | 1297.3 | 1253.6 | 1200.0 | 1245.9 | 1377.6 | 1402.0 | 1256.2 |
| 52.5° | 1056.1 | 1066.8 | 1175.2 | 1283.2 | 1343.9 | 1314.3 | 1301.0 | 1337.6 | 1450.8 | 1468.9 | 1284.7 |
| 55°   | 880.4  | 878.6  | 1027.6 | 1227.4 | 1365.4 | 1404.2 | 1396.1 | 1409.0 | 1535.5 | 1551.8 | 1291.8 |
| 57.5° | 602.2  | 635.9  | 764.6  | 1022.1 | 1234.0 | 1383.1 | 1391.6 | 1370.2 | 1436.8 | 1443.0 | 1126.0 |
| 60°   | 324.8  | 338.8  | 442.4  | 682.1  | 939.6  | 1127.1 | 1149.3 | 1110.5 | 1105.3 | 1087.6 | 803.8  |
| 62.5° | 129.1  | 136.1  | 194.9  | 337.7  | 512.0  | 685.1  | 732.8  | 716.9  | 682.9  | 636.3  | 416.2  |
| 65°   | 61.4   | 65.8   | 96.9   | 158.0  | 227.1  | 285.6  | 333.3  | 348.1  | 256.7  | 231.2  | 137.2  |
| 67.5° | 41.8   | 45.1   | 70.7   | 90.3   | 81.0   | 84.7   | 110.2  | 102.5  | 60.3   | 51.4   | 38.1   |
| 70°   | 31.8   | 34.0   | 56.6   | 61.4   | 36.3   | 25.5   | 28.5   | 26.6   | 24.8   | 25.2   | 24.8   |
| 72.5° | 22.6   | 24.4   | 41.4   | 36.3   | 15.9   | 11.8   | 15.2   | 18.1   | 18.1   | 18.1   | 17.8   |
| 75°   | 13.7   | 15.5   | 24.0   | 14.1   | 6.3    | 6.3    | 9.6    | 12.2   | 12.9   | 13.3   | 12.6   |
| 77.5° | 7.0    | 8.9    | 8.1    | 4.1    | 4.1    | 4.8    | 7.0    | 8.5    | 9.2    | 9.2    | 8.9    |
| 80°   | 1.5    | 1.5    | 1.5    | 2.2    | 4.1    | 5.2    | 7.0    | 7.8    | 8.9    | 8.9    | 8.1    |
| 82.5° | 0.0    | 0.4    | 1.1    | 2.2    | 3.7    | 4.8    | 6.7    | 7.8    | 8.9    | 9.2    | 8.5    |
| 85°   | 0.0    | 0.4    | 0.7    | 1.5    | 2.6    | 3.0    | 2.6    | 2.2    | 2.2    | 2.2    | 2.2    |
| 87.5° | 0.0    | 0.0    | 0.4    | 0.4    | 0.4    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 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°    | 531.9 | 531.9 | 531.9 | 531.9 | 531.9 | 531.9 | 531.9 | 531.9 | 531.9 | 531.9 | 531.9 |
| 2.5°  | 537.1 | 538.2 | 536.4 | 536.0 | 534.5 | 539.0 | 528.2 | 525.7 | 532.3 | 526.0 | 527.5 |
| 5°    | 544.1 | 546.7 | 543.4 | 537.9 | 529.7 | 517.1 | 506.4 | 492.4 | 485.7 | 480.9 | 480.2 |
| 7.5°  | 549.3 | 551.2 | 547.8 | 530.1 | 505.7 | 473.9 | 450.2 | 432.8 | 419.1 | 415.0 | 408.4 |
| 10°   | 570.4 | 570.8 | 554.1 | 514.9 | 467.2 | 425.4 | 389.2 | 362.5 | 348.8 | 340.3 | 336.6 |
| 12.5° | 584.5 | 583.7 | 550.1 | 485.0 | 421.3 | 365.8 | 324.4 | 292.2 | 279.7 | 275.6 | 273.0 |
| 15°   | 602.2 | 598.2 | 540.4 | 454.3 | 362.1 | 302.2 | 264.9 | 242.7 | 241.6 | 239.0 | 241.6 |
| 17.5° | 616.3 | 604.8 | 526.4 | 398.4 | 305.6 | 249.0 | 224.5 | 226.0 | 229.0 | 231.6 | 231.9 |
| 20°   | 639.2 | 615.5 | 494.2 | 349.6 | 253.0 | 213.4 | 213.1 | 219.7 | 227.1 | 230.1 | 233.0 |
| 22.5° | 656.6 | 620.0 | 459.8 | 297.4 | 210.1 | 199.0 | 205.3 | 215.3 | 220.8 | 223.8 | 228.2 |
| 25°   | 662.9 | 607.8 | 413.9 | 245.3 | 189.4 | 192.4 | 202.0 | 208.6 | 215.7 | 219.0 | 217.1 |
| 27.5° | 669.2 | 601.5 | 359.2 | 202.0 | 178.3 | 187.9 | 196.1 | 202.7 | 204.9 | 209.4 | 212.3 |
| 30°   | 684.3 | 579.7 | 310.0 | 174.6 | 172.8 | 185.0 | 190.9 | 193.1 | 199.0 | 201.6 | 201.6 |
| 32.5° | 696.6 | 571.2 | 257.8 | 161.7 | 172.0 | 186.4 | 187.2 | 187.2 | 187.9 | 186.1 | 185.3 |
| 35°   | 721.7 | 541.9 | 211.2 | 153.9 | 171.6 | 186.8 | 188.7 | 182.4 | 165.4 | 158.7 | 156.8 |
| 37.5° | 752.8 | 523.1 | 176.8 | 152.0 | 174.2 | 191.2 | 194.2 | 170.5 | 148.3 | 137.6 | 135.8 |
| 40°   | 790.5 | 509.7 | 154.3 | 151.3 | 180.1 | 201.6 | 192.7 | 161.3 | 132.4 | 116.9 | 116.2 |
| 42.5° | 834.5 | 497.5 | 139.1 | 150.9 | 187.5 | 212.3 | 191.2 | 153.5 | 116.2 | 105.8 | 107.3 |
| 45°   | 869.7 | 490.9 | 128.7 | 148.3 | 190.1 | 218.6 | 192.4 | 139.8 | 109.5 | 102.8 | 103.6 |
| 47.5° | 897.0 | 476.8 | 120.2 | 143.9 | 189.8 | 220.8 | 182.4 | 134.3 | 106.2 | 108.0 | 109.9 |
| 50°   | 897.8 | 458.0 | 109.5 | 134.3 | 184.2 | 216.8 | 170.9 | 129.1 | 105.4 | 113.2 | 116.9 |
| 52.5° | 887.8 | 431.3 | 98.0  | 120.6 | 171.3 | 202.7 | 160.5 | 126.9 | 102.1 | 101.4 | 105.8 |
| 55°   | 852.3 | 381.4 | 78.8  | 97.7  | 144.6 | 167.2 | 151.3 | 122.8 | 92.1  | 83.6  | 84.3  |
| 57.5° | 688.8 | 273.4 | 58.1  | 69.9  | 102.5 | 122.4 | 136.5 | 121.0 | 82.9  | 71.0  | 71.4  |
| 60°   | 426.5 | 155.0 | 42.5  | 47.7  | 63.3  | 74.4  | 110.6 | 112.5 | 74.0  | 59.9  | 59.2  |
| 62.5° | 219.0 | 76.6  | 32.9  | 33.7  | 38.8  | 43.7  | 75.8  | 94.3  | 67.0  | 57.0  | 57.0  |
| 65°   | 73.2  | 37.7  | 28.9  | 25.9  | 25.9  | 27.0  | 45.9  | 65.5  | 56.6  | 47.7  | 47.7  |
| 67.5° | 31.4  | 28.1  | 25.2  | 22.6  | 20.7  | 19.6  | 25.9  | 38.1  | 42.2  | 36.3  | 34.8  |
| 70°   | 24.4  | 23.7  | 21.8  | 18.9  | 16.3  | 14.8  | 15.2  | 19.6  | 24.0  | 23.3  | 22.6  |
| 72.5° | 18.1  | 18.1  | 17.4  | 14.8  | 12.6  | 10.7  | 10.0  | 10.4  | 11.5  | 11.8  | 12.2  |
| 75°   | 12.6  | 12.9  | 12.9  | 11.5  | 9.2   | 7.8   | 6.7   | 5.5   | 4.4   | 3.7   | 3.3   |
| 77.5° | 8.5   | 8.9   | 9.6   | 8.5   | 7.0   | 5.2   | 4.1   | 3.0   | 1.8   | 0.7   | 0.7   |
| 80°   | 7.4   | 8.5   | 9.2   | 8.5   | 7.4   | 5.5   | 4.1   | 2.2   | 1.1   | 0.0   | 0.0   |
| 82.5° | 7.8   | 8.5   | 9.6   | 8.1   | 7.0   | 5.2   | 4.1   | 2.6   | 1.1   | 0.4   | 0.0   |
| 85°   | 1.8   | 1.8   | 2.2   | 2.6   | 3.3   | 3.7   | 3.0   | 1.8   | 1.1   | 0.4   | 0.0   |
| 87.5° | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.4   | 0.4   | 0.4   | 0.4   | 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)