

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: P533043

Luminaire Tested: **GLAN-SA8C-722-U-SL3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533043  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA8C-722-U-SL3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24406 lumens  
Efficiency: N/A  
Efficacy: 56.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2

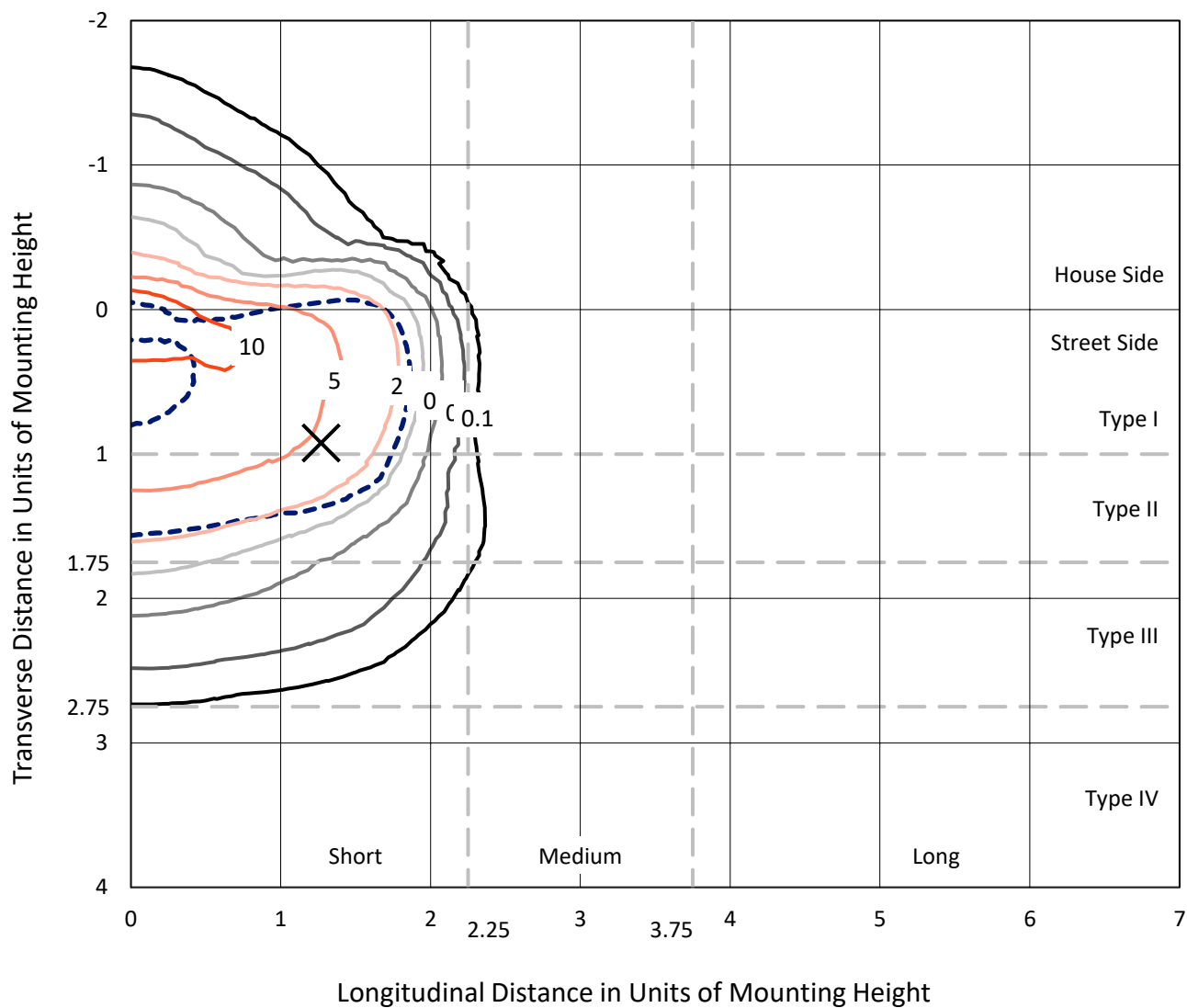
Input Watts (W): 429  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

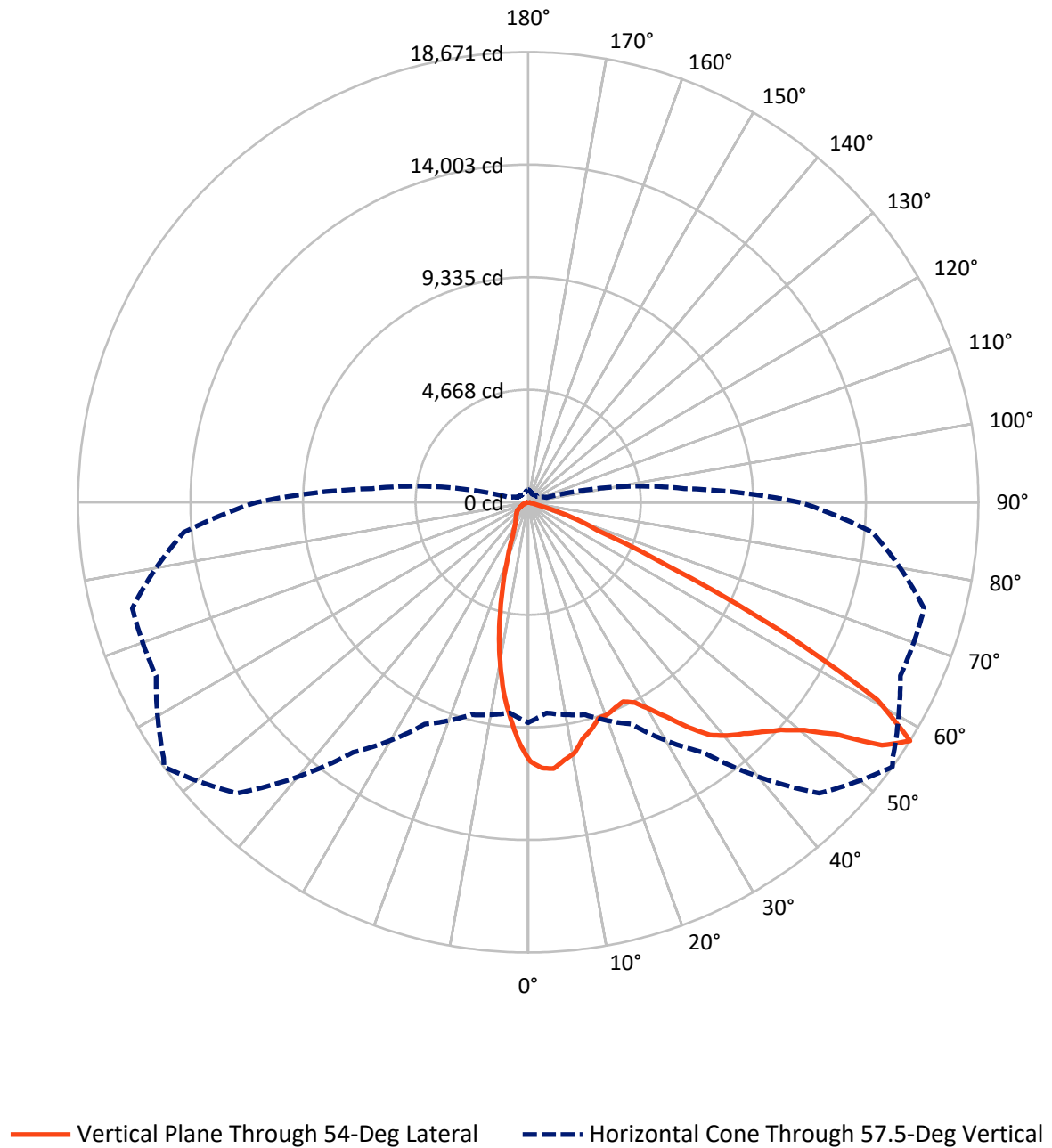


Based on 25 foot mounting height. Maximum calculated value = 17.2 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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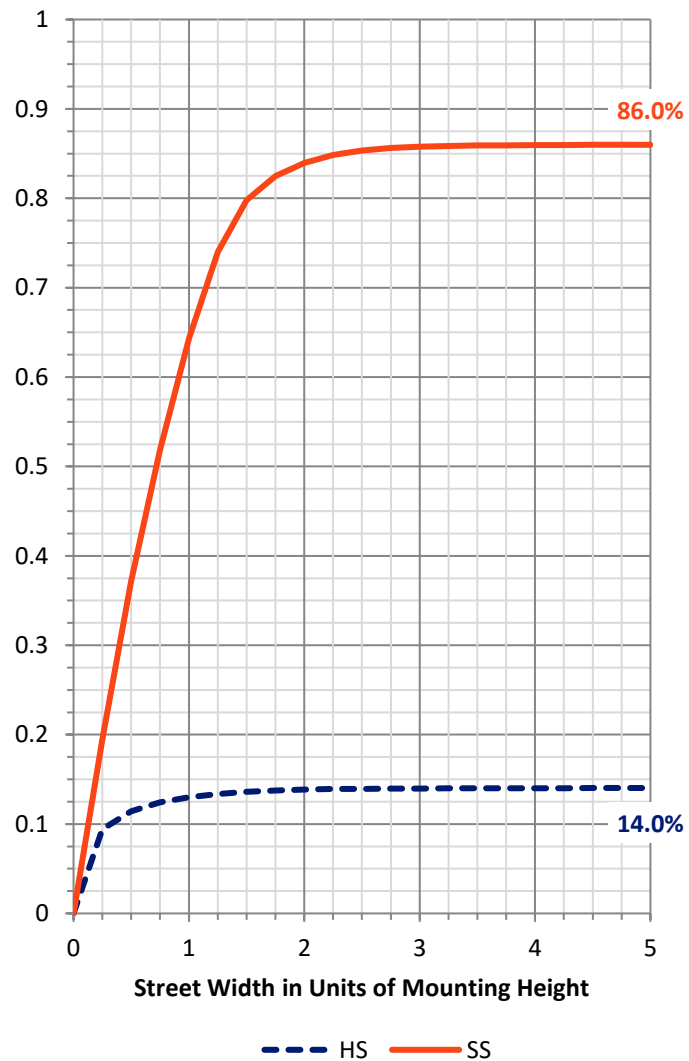
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3449.0   | 0.0    | 3449.0  |
|                    | % Fixture | 14.1     | 0.0    | 14.1    |
| <b>Street Side</b> | Lumens    | 20957.0  | 0.0    | 20957.0 |
|                    | % Fixture | 85.9     | 0.0    | 85.9    |
| <b>Total</b>       | Lumens    | 24406.0  | 0.0    | 24406.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 899.7   | 3.7       |
| 10°-20°   | 1920.8  | 7.9       |
| 20°-30°   | 2545.4  | 10.4      |
| 30°-40°   | 3699.2  | 15.2      |
| 40°-50°   | 5485.5  | 22.5      |
| 50°-60°   | 6859.3  | 28.1      |
| 60°-70°   | 2705.7  | 11.1      |
| 70°-80°   | 269.4   | 1.1       |
| 80°-90°   | 20.9    | 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°    | 24406.0 | 100.0     |
| 0°-180°   | 24406.0 | 100.0     |

**Coefficient of Utilization**



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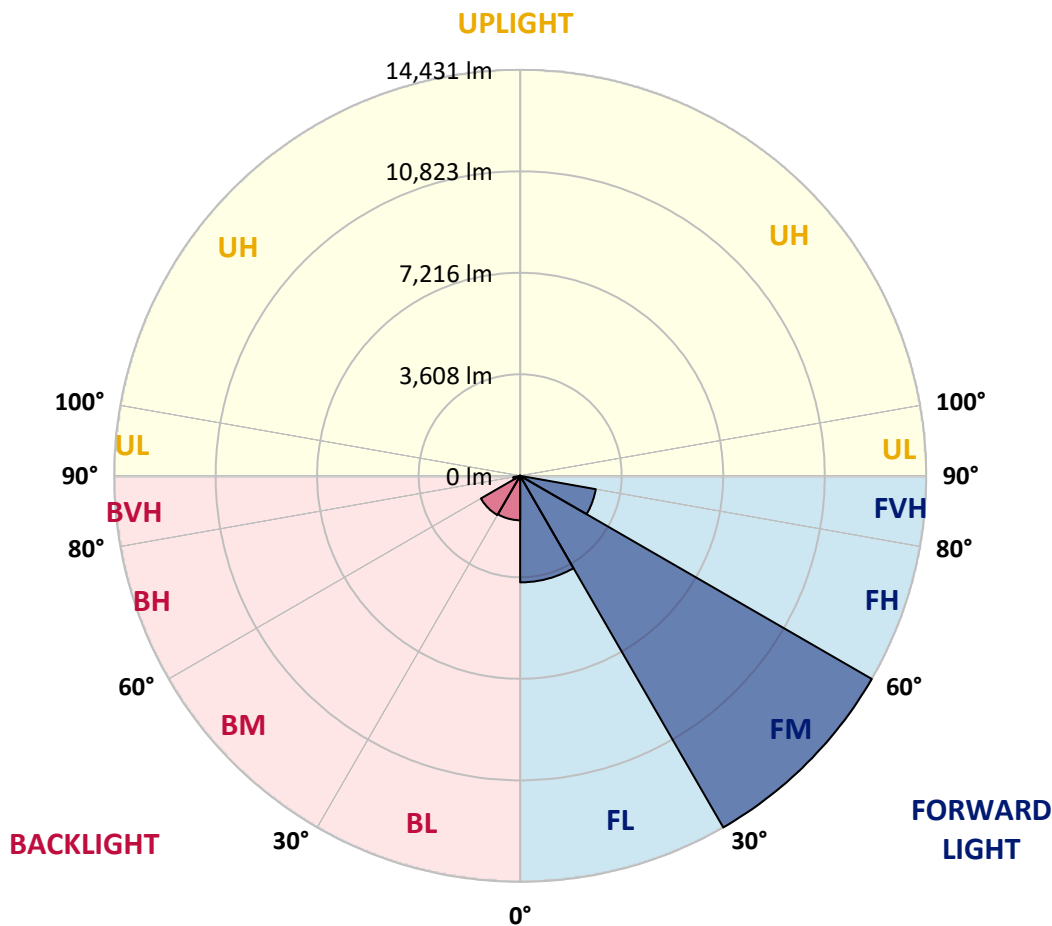
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3788.5  | 15.5      |                         |      |         |
| FM   | (30°-60°)   | 14431.2 | 59.1      |                         |      |         |
| FH   | (60°-80°)   | 2727.8  | 11.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 9.5     | 0.0       |                         |      | G0/10   |
| BL   | (0°-30°)    | 1577.4  | 6.5       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 1612.8  | 6.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 247.3   | 1.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 11.4    | 0.0       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 54°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 10751.2 | 10751.2 | 10751.2 | 10751.2 | 10751.2 | 10751.2 | 10751.2 | 10751.2 | 10751.2 | 10751.2 | 10751.2 |
| 2.5°  | 11377.5 | 11259.5 | 11268.5 | 11227.7 | 11173.2 | 11214.1 | 11037.1 | 11077.9 | 11073.4 | 10832.9 | 10674.0 |
| 5°    | 11091.5 | 11218.6 | 11087.0 | 11195.9 | 11091.5 | 11205.0 | 11096.1 | 11014.4 | 10882.8 | 10705.8 | 10410.8 |
| 7.5°  | 10605.9 | 10483.4 | 10519.7 | 10655.9 | 10678.6 | 10932.7 | 10796.6 | 10900.9 | 10846.5 | 10497.0 | 10093.1 |
| 10°   | 9630.2  | 9603.0  | 9784.5  | 9966.1  | 10188.4 | 10460.7 | 10565.1 | 10506.1 | 10465.3 | 10333.7 | 9793.6  |
| 12.5° | 8881.4  | 8958.6  | 8954.0  | 9253.5  | 9630.2  | 9784.5  | 10056.8 | 10047.7 | 10274.7 | 10029.6 | 9512.2  |
| 15°   | 8168.9  | 8209.7  | 8400.3  | 8586.4  | 9003.9  | 9444.1  | 9780.0  | 9825.4  | 10097.7 | 9925.2  | 9294.4  |
| 17.5° | 7733.2  | 7674.2  | 7824.0  | 8046.4  | 8473.0  | 9049.3  | 9421.5  | 9530.4  | 9902.5  | 9866.2  | 9044.8  |
| 20°   | 7302.1  | 7302.1  | 7424.6  | 7687.8  | 8078.1  | 8727.1  | 9389.7  | 9357.9  | 9902.5  | 9798.1  | 8777.0  |
| 22.5° | 7156.9  | 7229.5  | 7261.2  | 7460.9  | 7923.8  | 8482.0  | 9253.5  | 9312.5  | 9979.7  | 9766.4  | 8659.0  |
| 25°   | 7356.5  | 7261.2  | 7270.3  | 7429.2  | 7864.8  | 8364.0  | 9153.7  | 9285.3  | 10120.4 | 9925.2  | 8563.7  |
| 27.5° | 7388.3  | 7483.6  | 7510.8  | 7619.8  | 7910.2  | 8400.3  | 9403.3  | 9671.1  | 10469.8 | 10297.3 | 8591.0  |
| 30°   | 7665.1  | 7760.4  | 7755.9  | 7942.0  | 8141.7  | 8695.3  | 9961.5  | 10016.0 | 11191.4 | 10764.8 | 8758.9  |
| 32.5° | 8001.0  | 8100.8  | 8132.6  | 8350.4  | 8509.3  | 9235.4  | 10642.3 | 10782.9 | 11885.7 | 11500.0 | 9199.1  |
| 35°   | 8418.5  | 8382.2  | 8527.4  | 8745.3  | 9085.6  | 10025.0 | 11472.8 | 11708.7 | 12634.6 | 12453.0 | 9652.9  |
| 37.5° | 8940.4  | 8895.0  | 9035.7  | 9389.7  | 9852.6  | 10959.9 | 12239.7 | 12394.0 | 13179.1 | 13338.0 | 10492.5 |
| 40°   | 9308.0  | 9326.2  | 9752.8  | 10229.3 | 10719.4 | 11849.4 | 12725.3 | 12875.1 | 13560.4 | 14164.0 | 11127.8 |
| 42.5° | 9920.7  | 10034.1 | 10546.9 | 11127.8 | 11640.7 | 12516.6 | 13120.2 | 13265.4 | 13737.4 | 14826.5 | 11985.6 |
| 45°   | 10810.2 | 10760.2 | 11327.5 | 11976.5 | 12543.8 | 13210.9 | 13587.6 | 13537.7 | 13841.7 | 15484.6 | 12525.6 |
| 47.5° | 11953.8 | 11962.9 | 12339.6 | 12893.2 | 13483.2 | 13814.5 | 14109.5 | 13932.5 | 14059.6 | 16178.9 | 13247.2 |
| 50°   | 12734.4 | 12802.5 | 13106.5 | 13673.8 | 13968.8 | 14477.1 | 14853.8 | 14744.9 | 14704.0 | 16596.5 | 13701.0 |
| 52.5° | 12934.1 | 13138.3 | 13301.7 | 14009.7 | 14699.5 | 15502.7 | 15983.8 | 16215.3 | 15489.1 | 16737.2 | 14277.4 |
| 55°   | 11427.4 | 11608.9 | 12185.3 | 13156.5 | 14976.3 | 17127.4 | 17790.0 | 17794.6 | 16514.8 | 17363.4 | 14681.3 |
| 57.5° | 9135.5  | 8767.9  | 9121.9  | 10152.1 | 12661.8 | 17059.4 | 18670.5 | 18457.2 | 17027.6 | 16995.8 | 14331.9 |
| 60°   | 6317.3  | 6226.5  | 6249.2  | 6657.6  | 8763.4  | 13569.4 | 16637.3 | 16914.1 | 15679.7 | 14731.2 | 11345.7 |
| 62.5° | 5005.7  | 4928.6  | 4828.7  | 4783.3  | 5441.4  | 8454.8  | 11736.0 | 12126.3 | 10964.5 | 9553.1  | 6725.7  |
| 65°   | 3921.1  | 3875.7  | 3889.3  | 4070.8  | 4066.3  | 4797.0  | 6417.1  | 6258.3  | 5010.3  | 3703.2  | 2114.8  |
| 67.5° | 2645.8  | 2713.9  | 2768.3  | 3317.5  | 3598.9  | 3340.2  | 3099.6  | 3008.9  | 1629.2  | 685.3   | 467.4   |
| 70°   | 1488.6  | 1497.6  | 1556.6  | 2074.0  | 2732.0  | 2591.4  | 2137.5  | 2137.5  | 812.4   | 249.6   | 267.8   |
| 72.5° | 812.4   | 785.1   | 730.7   | 894.0   | 1216.3  | 1234.4  | 953.0   | 830.5   | 240.5   | 163.4   | 149.8   |
| 75°   | 394.8   | 390.3   | 335.8   | 276.8   | 263.2   | 217.8   | 167.9   | 154.3   | 108.9   | 104.4   | 90.8    |
| 77.5° | 81.7    | 77.2    | 40.8    | 40.8    | 45.4    | 49.9    | 63.5    | 63.5    | 77.2    | 77.2    | 63.5    |
| 80°   | 0.0     | 0.0     | 4.5     | 18.2    | 31.8    | 45.4    | 54.5    | 54.5    | 63.5    | 63.5    | 49.9    |
| 82.5° | 0.0     | 0.0     | 4.5     | 13.6    | 27.2    | 40.8    | 49.9    | 54.5    | 63.5    | 68.1    | 54.5    |
| 85°   | 0.0     | 0.0     | 0.0     | 9.1     | 22.7    | 31.8    | 27.2    | 27.2    | 22.7    | 18.2    | 9.1     |
| 87.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 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     |

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**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 10751.2 | 10751.2 | 10751.2 | 10751.2 | 10751.2 | 10751.2 | 10751.2 | 10751.2 | 10751.2 | 10751.2 | 10751.2 |
| 2.5°  | 10592.3 | 10583.3 | 10374.5 | 10256.5 | 10043.2 | 9857.1  | 9707.4  | 9598.4  | 9598.4  | 9530.4  | 9466.8  |
| 5°    | 10292.8 | 10215.7 | 9770.9  | 9485.0  | 9081.1  | 8781.6  | 8577.3  | 8418.5  | 8168.9  | 8237.0  | 7969.2  |
| 7.5°  | 9920.7  | 9725.5  | 9135.5  | 8699.9  | 8141.7  | 7715.1  | 7279.4  | 6893.6  | 6521.5  | 6353.6  | 6444.3  |
| 10°   | 9521.3  | 9180.9  | 8386.7  | 7696.9  | 7002.6  | 6222.0  | 5713.7  | 5096.5  | 4715.3  | 4692.6  | 4592.7  |
| 12.5° | 9099.2  | 8713.5  | 7746.8  | 6793.8  | 5881.6  | 4942.2  | 4166.1  | 3589.8  | 3331.1  | 3045.2  | 3099.6  |
| 15°   | 8781.6  | 8209.7  | 7034.3  | 5886.1  | 4674.4  | 3725.9  | 2945.3  | 2500.6  | 2255.5  | 2187.4  | 2164.8  |
| 17.5° | 8436.7  | 7824.0  | 6308.2  | 4919.5  | 3666.9  | 2682.1  | 2119.4  | 1906.1  | 1810.8  | 1810.8  | 1797.2  |
| 20°   | 8078.1  | 7388.3  | 5586.6  | 4020.9  | 2750.2  | 2001.4  | 1697.3  | 1629.2  | 1624.7  | 1620.2  | 1620.2  |
| 22.5° | 7842.1  | 6889.1  | 4933.1  | 3194.9  | 2074.0  | 1602.0  | 1474.9  | 1447.7  | 1465.9  | 1520.3  | 1520.3  |
| 25°   | 7592.5  | 6408.0  | 4211.5  | 2464.3  | 1606.5  | 1375.1  | 1302.5  | 1320.6  | 1366.0  | 1415.9  | 1397.8  |
| 27.5° | 7338.4  | 6094.9  | 3530.8  | 1933.3  | 1316.1  | 1202.6  | 1175.4  | 1216.3  | 1266.2  | 1311.6  | 1297.9  |
| 30°   | 7279.4  | 5759.1  | 2886.3  | 1465.9  | 1130.0  | 1048.3  | 1066.5  | 1102.8  | 1152.7  | 1170.9  | 1189.0  |
| 32.5° | 7370.2  | 5495.9  | 2364.4  | 1202.6  | 984.8   | 962.1   | 962.1   | 980.3   | 1012.0  | 1052.9  | 1039.3  |
| 35°   | 7628.8  | 5346.1  | 1869.8  | 1043.8  | 903.1   | 880.4   | 875.9   | 894.0   | 912.2   | 925.8   | 912.2   |
| 37.5° | 8023.7  | 5228.1  | 1529.4  | 925.8   | 848.7   | 812.4   | 803.3   | 798.7   | 816.9   | 821.4   | 830.5   |
| 40°   | 8527.4  | 5291.6  | 1297.9  | 853.2   | 794.2   | 753.4   | 726.1   | 726.1   | 726.1   | 739.7   | 744.3   |
| 42.5° | 9072.0  | 5377.9  | 1121.0  | 812.4   | 744.3   | 694.4   | 667.1   | 658.0   | 667.1   | 685.3   | 680.7   |
| 45°   | 9643.8  | 5545.8  | 1007.5  | 748.8   | 698.9   | 635.4   | 599.1   | 590.0   | 612.7   | 649.0   | 644.4   |
| 47.5° | 10179.3 | 5786.3  | 921.3   | 708.0   | 653.5   | 594.5   | 549.1   | 540.1   | 580.9   | 630.8   | 635.4   |
| 50°   | 10714.9 | 6203.8  | 889.5   | 676.2   | 621.7   | 553.7   | 512.8   | 503.7   | 549.1   | 612.7   | 626.3   |
| 52.5° | 11332.1 | 6653.1  | 866.8   | 635.4   | 585.4   | 521.9   | 476.5   | 467.4   | 517.4   | 599.1   | 603.6   |
| 55°   | 11736.0 | 7034.3  | 848.7   | 562.7   | 517.4   | 472.0   | 435.7   | 431.1   | 485.6   | 558.2   | 576.4   |
| 57.5° | 11264.0 | 6503.3  | 785.1   | 490.1   | 440.2   | 417.5   | 385.8   | 385.8   | 431.1   | 499.2   | 512.8   |
| 60°   | 8541.0  | 4279.6  | 558.2   | 394.8   | 372.1   | 358.5   | 344.9   | 344.9   | 381.2   | 431.1   | 435.7   |
| 62.5° | 5001.2  | 2305.4  | 358.5   | 317.7   | 317.7   | 304.1   | 281.4   | 281.4   | 317.7   | 344.9   | 349.4   |
| 65°   | 1484.0  | 739.7   | 290.4   | 272.3   | 267.8   | 245.1   | 222.4   | 217.8   | 245.1   | 258.7   | 254.1   |
| 67.5° | 426.6   | 340.4   | 240.5   | 226.9   | 222.4   | 186.1   | 172.5   | 167.9   | 172.5   | 163.4   | 158.8   |
| 70°   | 254.1   | 231.5   | 186.1   | 190.6   | 167.9   | 136.1   | 122.5   | 118.0   | 108.9   | 95.3    | 86.2    |
| 72.5° | 140.7   | 140.7   | 136.1   | 145.2   | 118.0   | 90.8    | 77.2    | 63.5    | 49.9    | 40.8    | 36.3    |
| 75°   | 86.2    | 90.8    | 95.3    | 99.8    | 77.2    | 59.0    | 49.9    | 31.8    | 18.2    | 9.1     | 9.1     |
| 77.5° | 59.0    | 63.5    | 68.1    | 72.6    | 63.5    | 54.5    | 40.8    | 22.7    | 4.5     | 0.0     | 0.0     |
| 80°   | 45.4    | 49.9    | 59.0    | 63.5    | 68.1    | 72.6    | 54.5    | 22.7    | 4.5     | 0.0     | 0.0     |
| 82.5° | 49.9    | 54.5    | 68.1    | 63.5    | 63.5    | 63.5    | 49.9    | 22.7    | 4.5     | 0.0     | 0.0     |
| 85°   | 9.1     | 13.6    | 22.7    | 22.7    | 31.8    | 40.8    | 31.8    | 9.1     | 0.0     | 0.0     | 0.0     |
| 87.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 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)