

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: P455094

Luminaire Tested: **GLAN-SA6B-730-U-AFL-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455094  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-730-U-AFL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25177 lumens  
Efficiency: N/A  
Efficacy: 103.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

Input Watts (W): 243  
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

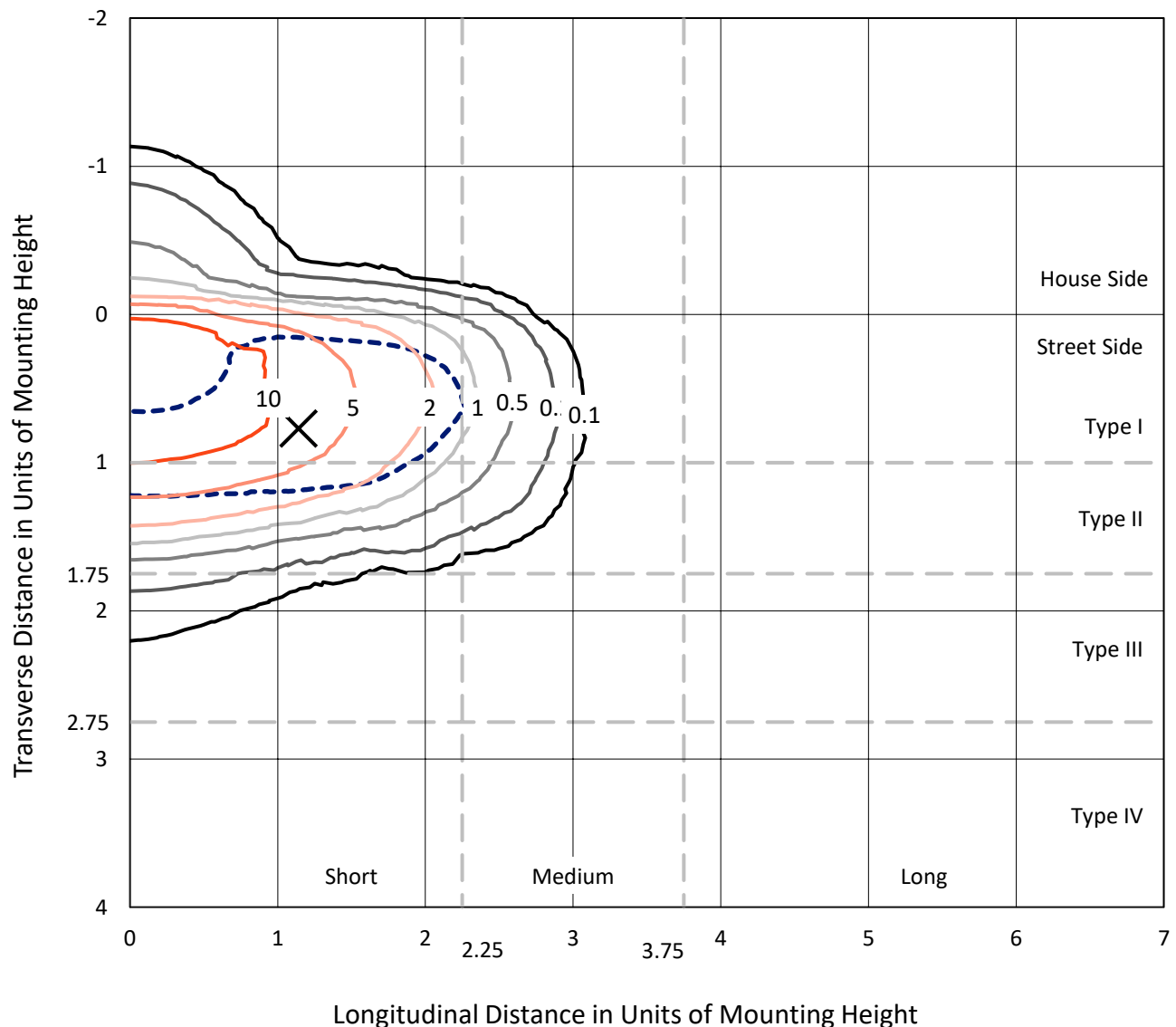


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## Iso-Footcandle Lines of Horizontal Illumination

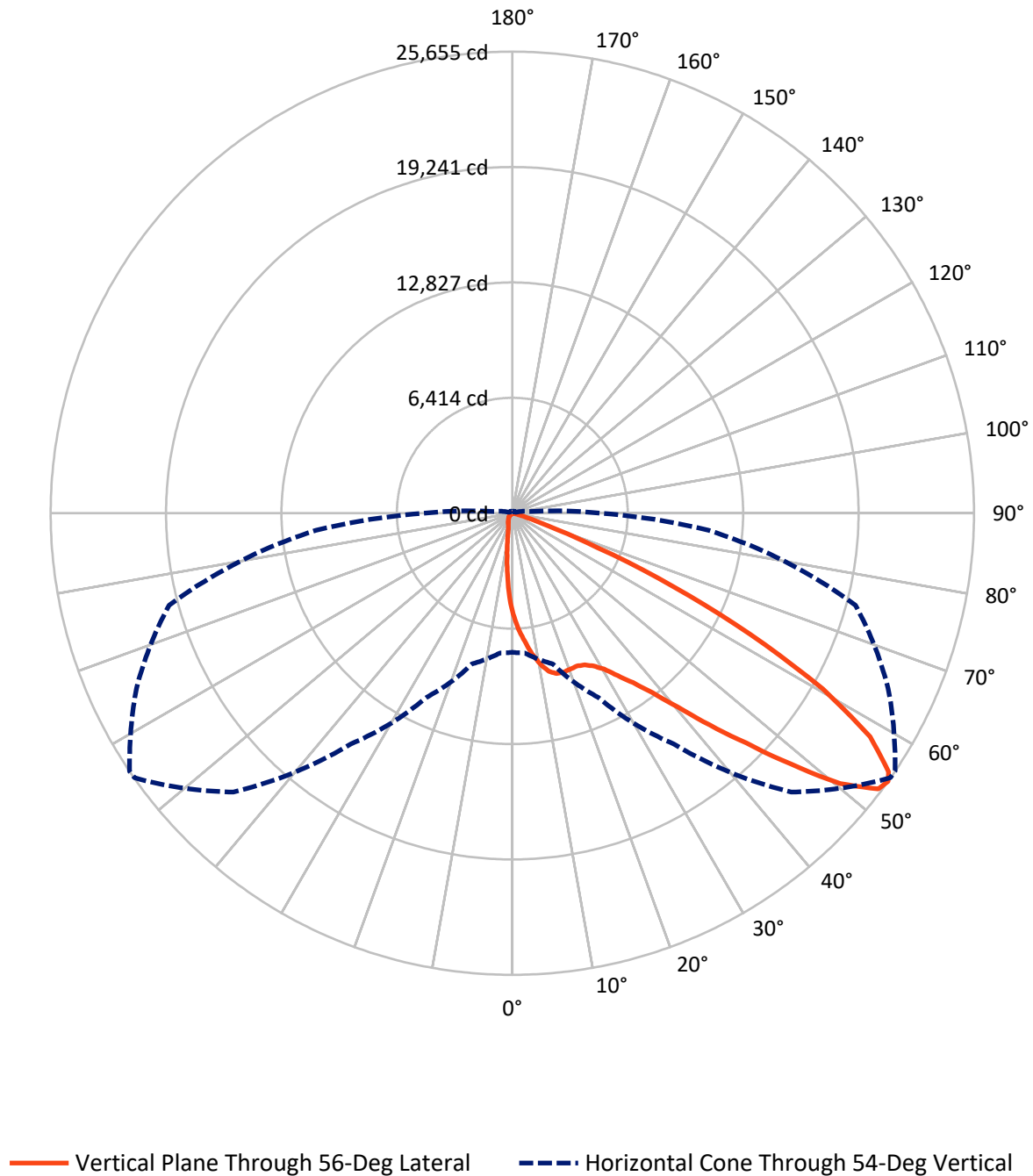
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 fc  
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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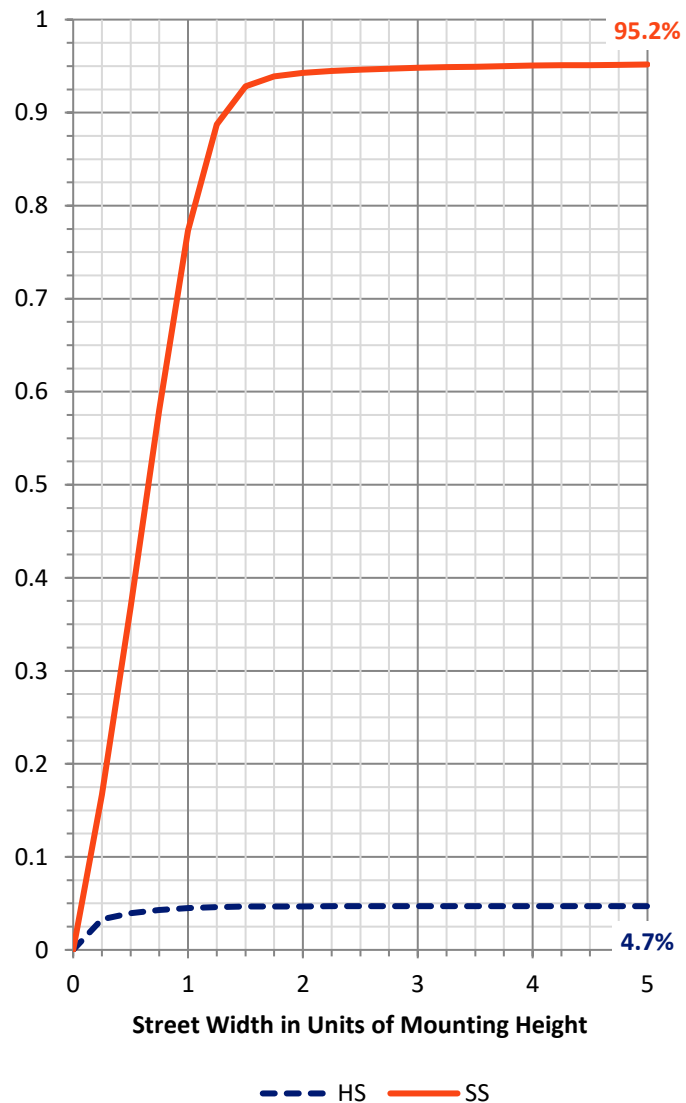
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1190.6   | 0.0    | 1190.6  |
|                    | % Fixture | 4.7      | 0.0    | 4.7     |
| <b>Street Side</b> | Lumens    | 23986.4  | 0.0    | 23986.4 |
|                    | % Fixture | 95.3     | 0.0    | 95.3    |
| <b>Total</b>       | Lumens    | 25177.0  | 0.0    | 25177.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 494.3   | 2.0       |
| 10°-20°   | 1336.2  | 5.3       |
| 20°-30°   | 2314.2  | 9.2       |
| 30°-40°   | 3994.7  | 15.9      |
| 40°-50°   | 6799.1  | 27.0      |
| 50°-60°   | 6728.6  | 26.7      |
| 60°-70°   | 3071.1  | 12.2      |
| 70°-80°   | 394.4   | 1.6       |
| 80°-90°   | 44.5    | 0.2       |
| 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°    | 25177.0 | 100.0     |
| 0°-180°   | 25177.0 | 100.0     |

**Coefficient of Utilization**



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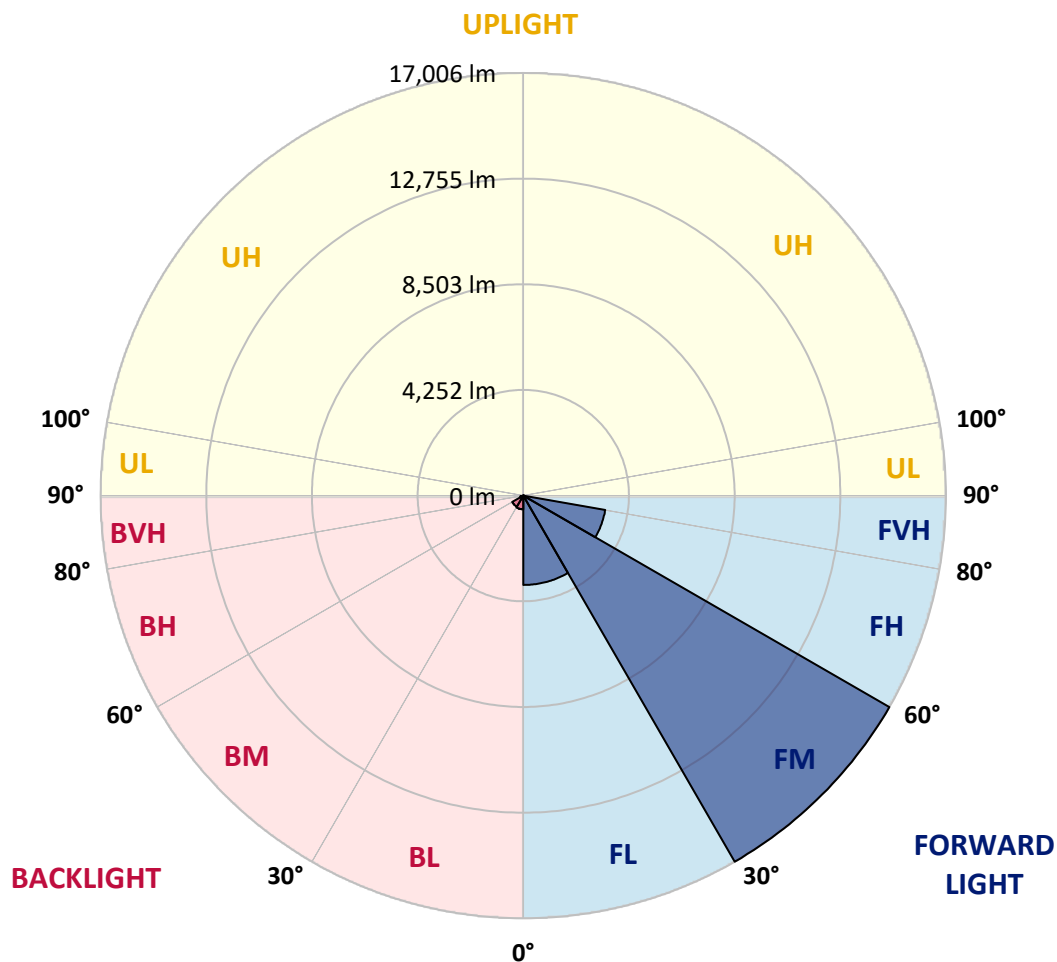
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3594.1  | 14.3      |                         |      |         |
| FM   | (30°-60°)   | 17006.4 | 67.5      |                         |      |         |
| FH   | (60°-80°)   | 3346.2  | 13.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 39.7    | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 550.6   | 2.2       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 516.0   | 2.0       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 119.2   | 0.5       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 4.8     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 56°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5593.6  | 5593.6  | 5593.6  | 5593.6  | 5593.6  | 5593.6  | 5593.6  | 5593.6  | 5593.6  | 5593.6  | 5593.6  |
| 2.5°  | 7108.8  | 7059.5  | 6991.6  | 6938.9  | 6814.9  | 6636.6  | 6448.0  | 6448.0  | 6266.3  | 6013.2  | 5755.0  |
| 5°    | 8199.3  | 8167.0  | 8100.8  | 7964.9  | 7825.6  | 7575.9  | 7197.1  | 7130.9  | 6806.4  | 6347.8  | 5865.4  |
| 7.5°  | 8642.7  | 8657.9  | 8661.3  | 8625.7  | 8559.4  | 8313.1  | 7937.7  | 7891.9  | 7373.8  | 6758.9  | 6009.8  |
| 10°   | 8218.0  | 8292.7  | 8365.8  | 8513.6  | 8722.5  | 8781.9  | 8569.6  | 8522.1  | 8012.5  | 7175.0  | 6166.0  |
| 12.5° | 7586.1  | 7626.9  | 7667.6  | 7900.4  | 8319.9  | 8800.6  | 9023.2  | 9021.5  | 8590.0  | 7589.5  | 6364.8  |
| 15°   | 7292.2  | 7327.9  | 7331.3  | 7434.9  | 7798.4  | 8498.3  | 9216.8  | 9242.3  | 9153.9  | 8100.8  | 6578.8  |
| 17.5° | 7353.4  | 7382.3  | 7358.5  | 7384.0  | 7574.2  | 8165.3  | 9194.7  | 9279.6  | 9610.9  | 8591.7  | 6772.5  |
| 20°   | 7752.6  | 7808.6  | 7716.9  | 7645.6  | 7703.3  | 8077.0  | 9120.0  | 9238.9  | 9933.6  | 9070.7  | 6949.1  |
| 22.5° | 8469.4  | 8500.0  | 8384.5  | 8189.1  | 8087.2  | 8262.2  | 9099.6  | 9216.8  | 10208.8 | 9463.1  | 7051.0  |
| 25°   | 9266.1  | 9255.9  | 9128.5  | 8909.3  | 8695.3  | 8635.9  | 9233.8  | 9339.1  | 10436.4 | 9816.4  | 7081.6  |
| 27.5° | 10062.7 | 10093.3 | 9879.3  | 9607.5  | 9351.0  | 9196.4  | 9534.4  | 9612.6  | 10692.9 | 10219.0 | 7119.0  |
| 30°   | 10988.5 | 10939.2 | 10728.6 | 10417.7 | 10123.9 | 9908.1  | 10018.6 | 10040.6 | 11046.2 | 10752.4 | 7217.5  |
| 32.5° | 12192.8 | 12056.9 | 11820.8 | 11277.2 | 11066.6 | 10701.4 | 10728.6 | 10755.8 | 11476.0 | 11280.6 | 7336.4  |
| 35°   | 13826.9 | 13820.1 | 13358.1 | 12626.0 | 12113.0 | 11659.4 | 11540.5 | 11562.6 | 12126.6 | 12065.4 | 7599.7  |
| 37.5° | 15793.9 | 15821.1 | 15294.5 | 14557.3 | 13612.9 | 12892.6 | 12648.0 | 12651.4 | 13115.2 | 13149.1 | 8000.6  |
| 40°   | 17395.7 | 17467.1 | 17152.8 | 16655.1 | 15722.6 | 14596.4 | 14185.3 | 14147.9 | 14504.6 | 14462.2 | 8573.0  |
| 42.5° | 18085.4 | 18151.6 | 18268.8 | 18442.1 | 17929.1 | 16999.9 | 16030.0 | 16081.0 | 16189.7 | 15892.4 | 9215.1  |
| 45°   | 17747.3 | 17852.7 | 18313.0 | 19383.1 | 19865.5 | 19553.0 | 18396.2 | 18217.9 | 17757.5 | 17446.7 | 9860.6  |
| 47.5° | 16339.2 | 16595.7 | 17365.1 | 19147.0 | 20835.5 | 21892.0 | 21066.5 | 20830.4 | 19327.1 | 18581.4 | 10271.6 |
| 50°   | 14023.9 | 14039.2 | 15111.1 | 17388.9 | 20332.7 | 23368.1 | 23792.8 | 23616.1 | 20789.6 | 19218.4 | 10478.9 |
| 52.5° | 10166.3 | 10501.0 | 11482.8 | 14120.8 | 18155.0 | 23143.9 | 25530.5 | 25457.4 | 22298.0 | 19544.5 | 10777.8 |
| 54°   | 7728.8  | 7793.3  | 8666.4  | 11284.0 | 15652.9 | 21912.4 | 25637.5 | 25654.5 | 23047.1 | 19741.5 | 10954.5 |
| 55°   | 6335.9  | 6181.3  | 7098.6  | 9612.6  | 13945.8 | 20823.6 | 25287.6 | 25369.1 | 23383.4 | 19843.5 | 11085.3 |
| 57.5° | 3003.2  | 3004.9  | 3706.4  | 5070.4  | 8734.4  | 16169.3 | 23149.0 | 23437.8 | 23420.8 | 20018.4 | 11487.9 |
| 60°   | 1520.3  | 1530.5  | 1685.0  | 2340.7  | 4314.5  | 10749.0 | 19140.2 | 19828.2 | 21618.5 | 20043.9 | 11620.4 |
| 62.5° | 1063.3  | 1051.5  | 1026.0  | 1126.2  | 1815.8  | 5462.8  | 14249.9 | 14847.8 | 18367.3 | 19074.0 | 11199.1 |
| 65°   | 910.5   | 885.0   | 813.6   | 798.4   | 917.3   | 2176.0  | 8875.4  | 9850.4  | 14023.9 | 16515.8 | 9999.9  |
| 67.5° | 778.0   | 767.8   | 703.2   | 664.2   | 648.9   | 947.8   | 4579.5  | 5092.5  | 9585.4  | 11871.8 | 7574.2  |
| 70°   | 660.8   | 655.7   | 616.6   | 567.3   | 524.9   | 567.3   | 1698.6  | 2104.6  | 5342.2  | 6392.0  | 3573.9  |
| 72.5° | 536.8   | 541.9   | 548.7   | 485.8   | 441.6   | 402.6   | 725.3   | 844.2   | 2235.4  | 2284.7  | 1250.2  |
| 75°   | 470.5   | 465.4   | 465.4   | 423.0   | 368.6   | 299.0   | 399.2   | 429.8   | 684.5   | 635.3   | 290.5   |
| 77.5° | 331.2   | 319.3   | 373.7   | 348.2   | 307.5   | 212.3   | 227.6   | 241.2   | 283.7   | 242.9   | 135.9   |
| 80°   | 229.3   | 229.3   | 239.5   | 312.5   | 276.9   | 154.6   | 139.3   | 149.5   | 168.2   | 144.4   | 78.1    |
| 82.5° | 129.1   | 132.5   | 156.3   | 166.5   | 161.4   | 103.6   | 91.7    | 93.4    | 112.1   | 98.5    | 49.3    |
| 85°   | 15.3    | 25.5    | 90.0    | 88.3    | 66.2    | 45.9    | 51.0    | 52.7    | 69.6    | 61.2    | 28.9    |
| 87.5° | 1.7     | 3.4     | 18.7    | 23.8    | 17.0    | 18.7    | 18.7    | 18.7    | 23.8    | 27.2    | 20.4    |
| 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°    | 5593.6 | 5593.6 | 5593.6 | 5593.6 | 5593.6 | 5593.6 | 5593.6 | 5593.6 | 5593.6 | 5593.6 | 5593.6 |
| 2.5°  | 5615.7 | 5486.6 | 5179.1 | 4822.4 | 4594.8 | 4224.5 | 3912.0 | 3686.0 | 3630.0 | 3521.3 | 3553.5 |
| 5°    | 5608.9 | 5340.5 | 4713.7 | 4051.2 | 3344.6 | 2818.0 | 2425.7 | 2116.5 | 1980.6 | 1890.6 | 1827.7 |
| 7.5°  | 5612.3 | 5192.7 | 4187.1 | 3132.3 | 2288.1 | 1771.7 | 1408.2 | 1219.6 | 1093.9 | 1041.3 | 1048.1 |
| 10°   | 5622.5 | 5026.3 | 3575.6 | 2320.3 | 1544.1 | 1144.9 | 922.4  | 832.3  | 789.9  | 783.1  | 781.4  |
| 12.5° | 5646.3 | 4844.5 | 2991.3 | 1722.4 | 1080.3 | 832.3  | 747.4  | 716.8  | 703.2  | 703.2  | 698.1  |
| 15°   | 5671.7 | 4644.1 | 2505.5 | 1280.8 | 832.3  | 715.1  | 676.1  | 660.8  | 652.3  | 652.3  | 650.6  |
| 17.5° | 5671.7 | 4413.1 | 2052.0 | 993.7  | 716.8  | 657.4  | 626.8  | 606.4  | 599.6  | 599.6  | 597.9  |
| 20°   | 5636.1 | 4144.7 | 1649.4 | 800.1  | 650.6  | 603.0  | 572.4  | 550.4  | 541.9  | 538.5  | 536.8  |
| 22.5° | 5512.1 | 3786.3 | 1313.0 | 687.9  | 596.2  | 555.5  | 516.4  | 490.9  | 484.1  | 480.7  | 482.4  |
| 25°   | 5291.2 | 3382.0 | 1039.6 | 604.7  | 547.0  | 497.7  | 463.7  | 445.0  | 438.2  | 438.2  | 439.9  |
| 27.5° | 5063.6 | 2959.0 | 823.8  | 541.9  | 487.5  | 443.3  | 416.2  | 404.3  | 402.6  | 407.7  | 409.4  |
| 30°   | 4853.0 | 2534.4 | 667.6  | 490.9  | 434.9  | 397.5  | 378.8  | 375.4  | 375.4  | 377.1  | 378.8  |
| 32.5° | 4618.6 | 2162.4 | 558.9  | 446.7  | 392.4  | 360.1  | 349.9  | 349.9  | 353.3  | 353.3  | 356.7  |
| 35°   | 4470.8 | 1843.0 | 490.9  | 404.3  | 360.1  | 332.9  | 326.1  | 327.8  | 332.9  | 339.7  | 343.1  |
| 37.5° | 4391.0 | 1588.2 | 446.7  | 370.3  | 329.5  | 310.9  | 304.1  | 307.5  | 319.3  | 331.2  | 332.9  |
| 40°   | 4397.8 | 1396.3 | 411.1  | 341.4  | 305.8  | 285.4  | 280.3  | 290.5  | 302.4  | 314.2  | 315.9  |
| 42.5° | 4472.5 | 1253.6 | 377.1  | 307.5  | 285.4  | 256.5  | 254.8  | 265.0  | 270.1  | 282.0  | 283.7  |
| 45°   | 4560.8 | 1150.0 | 341.4  | 271.8  | 248.0  | 222.5  | 224.2  | 232.7  | 239.5  | 258.2  | 261.6  |
| 47.5° | 4588.0 | 1078.6 | 300.7  | 231.0  | 203.8  | 195.3  | 197.0  | 202.1  | 215.7  | 232.7  | 234.4  |
| 50°   | 4618.6 | 1034.5 | 261.6  | 195.3  | 173.3  | 171.6  | 173.3  | 176.7  | 185.2  | 191.9  | 190.2  |
| 52.5° | 4749.4 | 1032.8 | 229.3  | 169.9  | 147.8  | 151.2  | 152.9  | 151.2  | 144.4  | 134.2  | 130.8  |
| 54°   | 4871.7 | 1037.9 | 214.0  | 158.0  | 135.9  | 141.0  | 139.3  | 130.8  | 113.8  | 103.6  | 98.5   |
| 55°   | 4970.2 | 1043.0 | 205.5  | 149.5  | 129.1  | 130.8  | 132.5  | 115.5  | 93.4   | 83.2   | 79.8   |
| 57.5° | 5163.9 | 1031.1 | 185.2  | 130.8  | 113.8  | 107.0  | 105.3  | 76.4   | 51.0   | 44.2   | 40.8   |
| 60°   | 5067.0 | 930.9  | 168.2  | 112.1  | 96.8   | 86.6   | 71.3   | 42.5   | 25.5   | 18.7   | 18.7   |
| 62.5° | 4686.5 | 789.9  | 149.5  | 91.7   | 79.8   | 66.2   | 37.4   | 23.8   | 11.9   | 6.8    | 5.1    |
| 65°   | 4192.2 | 664.2  | 134.2  | 73.0   | 62.8   | 42.5   | 20.4   | 15.3   | 5.1    | 0.0    | 0.0    |
| 67.5° | 3117.0 | 492.6  | 113.8  | 57.8   | 47.6   | 27.2   | 13.6   | 8.5    | 1.7    | 0.0    | 0.0    |
| 70°   | 1443.8 | 300.7  | 96.8   | 44.2   | 34.0   | 20.4   | 10.2   | 5.1    | 0.0    | 0.0    | 0.0    |
| 72.5° | 414.5  | 188.5  | 79.8   | 32.3   | 23.8   | 17.0   | 8.5    | 3.4    | 1.7    | 0.0    | 0.0    |
| 75°   | 144.4  | 151.2  | 59.5   | 23.8   | 18.7   | 11.9   | 6.8    | 3.4    | 1.7    | 0.0    | 0.0    |
| 77.5° | 86.6   | 122.3  | 37.4   | 20.4   | 15.3   | 10.2   | 6.8    | 3.4    | 1.7    | 1.7    | 0.0    |
| 80°   | 49.3   | 81.5   | 23.8   | 17.0   | 13.6   | 8.5    | 5.1    | 3.4    | 1.7    | 1.7    | 0.0    |
| 82.5° | 27.2   | 39.1   | 18.7   | 15.3   | 11.9   | 8.5    | 5.1    | 3.4    | 1.7    | 1.7    | 1.7    |
| 85°   | 22.1   | 20.4   | 15.3   | 13.6   | 10.2   | 6.8    | 5.1    | 1.7    | 0.0    | 0.0    | 0.0    |
| 87.5° | 17.0   | 13.6   | 13.6   | 13.6   | 10.2   | 6.8    | 5.1    | 1.7    | 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)