

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: P533277

Luminaire Tested: **GLAN-SA8D-722-U-SL3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533277  
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-SA8D-722-U-SL3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 2200K, 1200mA 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: 26855 lumens  
Efficiency: N/A  
Efficacy: 54.5 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): 493  
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

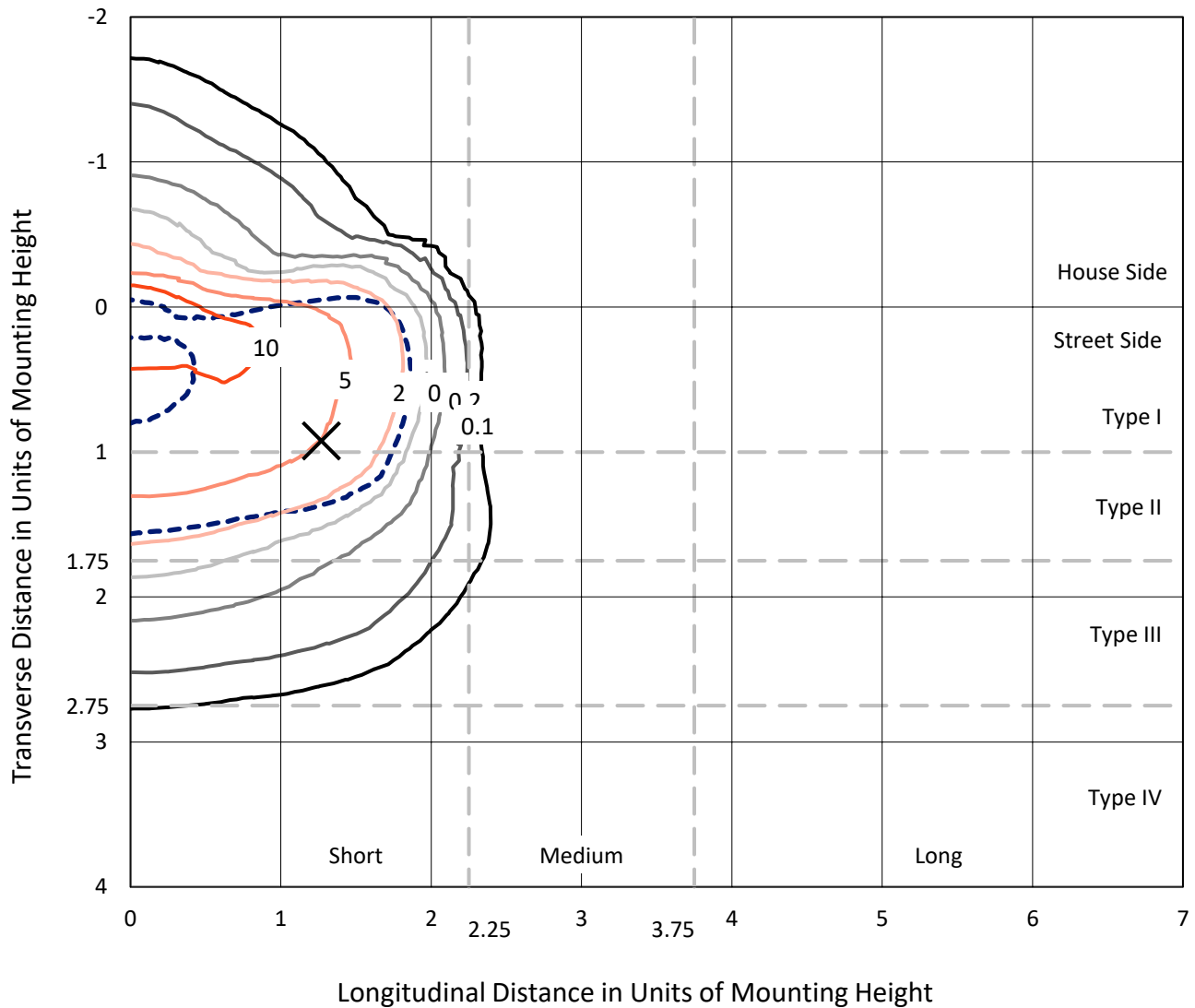


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

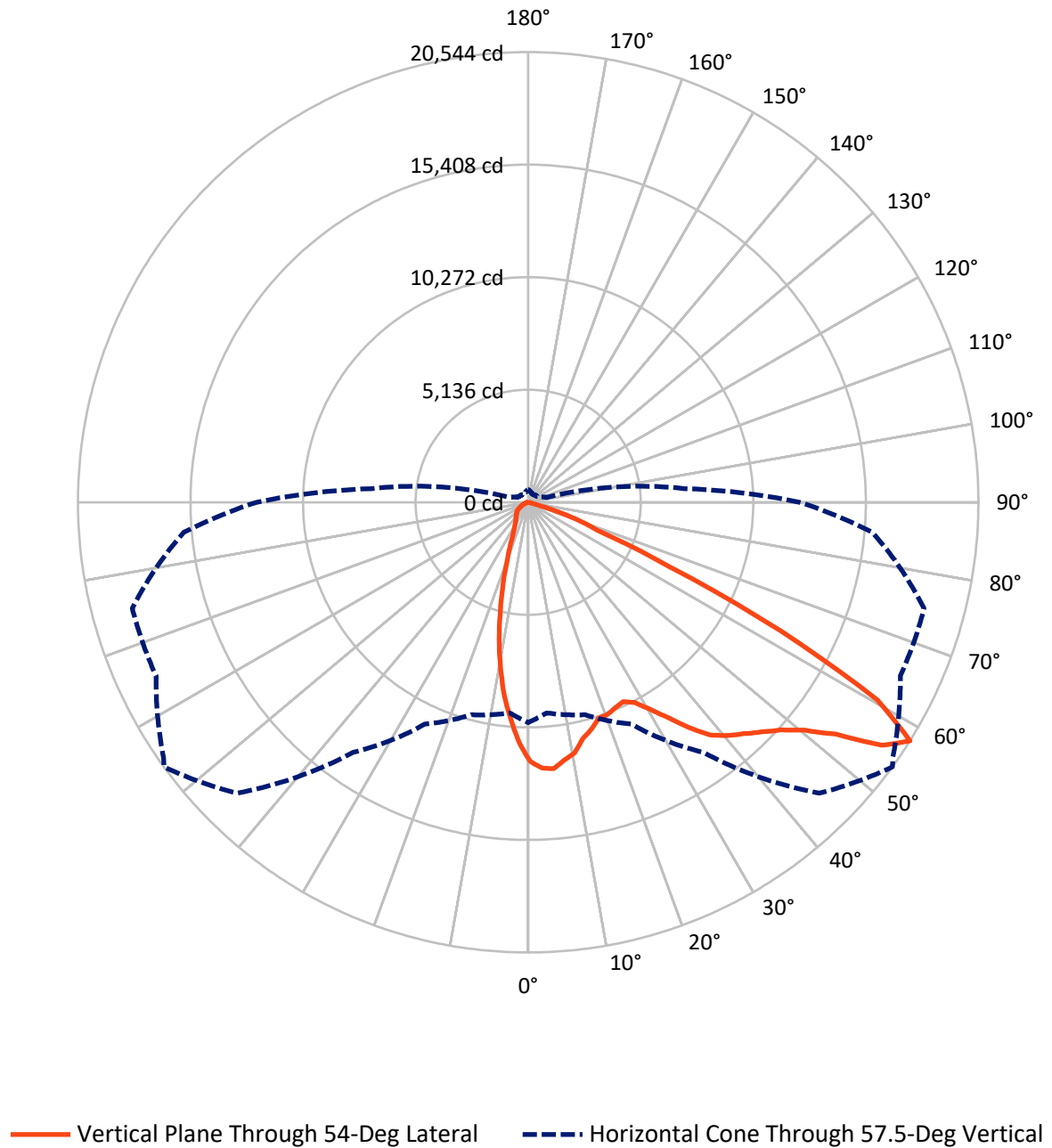


Based on 25 foot mounting height. Maximum calculated value = 18.9 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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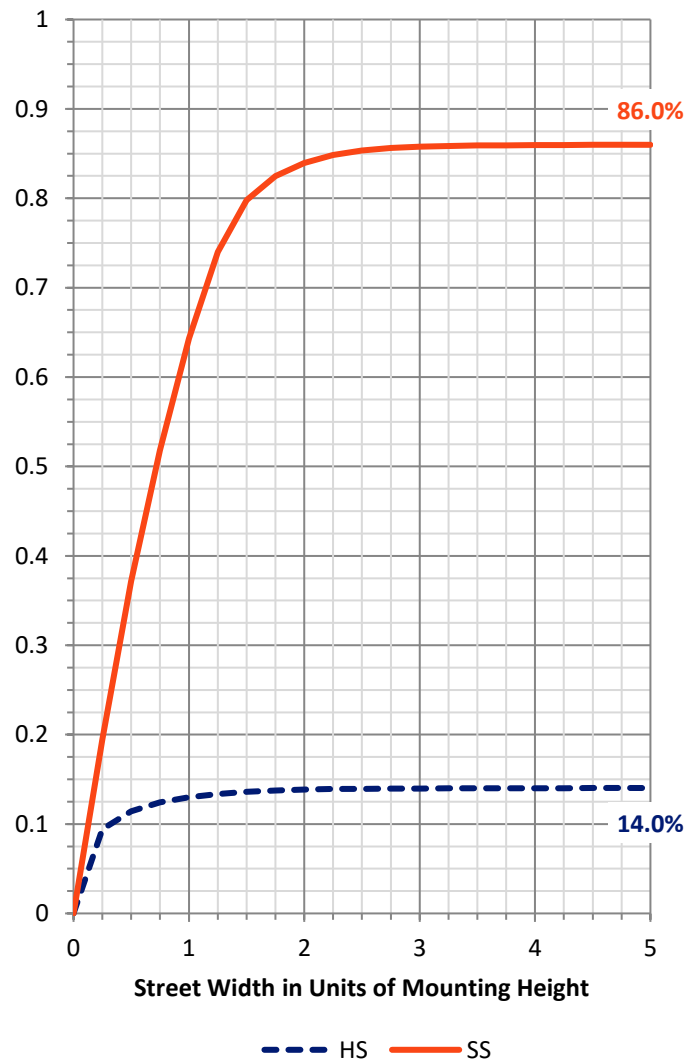
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3795.1   | 0.0    | 3795.1  |
|                    | % Fixture | 14.1     | 0.0    | 14.1    |
| <b>Street Side</b> | Lumens    | 23059.9  | 0.0    | 23059.9 |
|                    | % Fixture | 85.9     | 0.0    | 85.9    |
| <b>Total</b>       | Lumens    | 26855.0  | 0.0    | 26855.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 990.0   | 3.7       |
| 10°-20°   | 2113.5  | 7.9       |
| 20°-30°   | 2800.9  | 10.4      |
| 30°-40°   | 4070.4  | 15.2      |
| 40°-50°   | 6035.9  | 22.5      |
| 50°-60°   | 7547.6  | 28.1      |
| 60°-70°   | 2977.2  | 11.1      |
| 70°-80°   | 296.4   | 1.1       |
| 80°-90°   | 23.1    | 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°    | 26855.0 | 100.0     |
| 0°-180°   | 26855.0 | 100.0     |

**Coefficient of Utilization**



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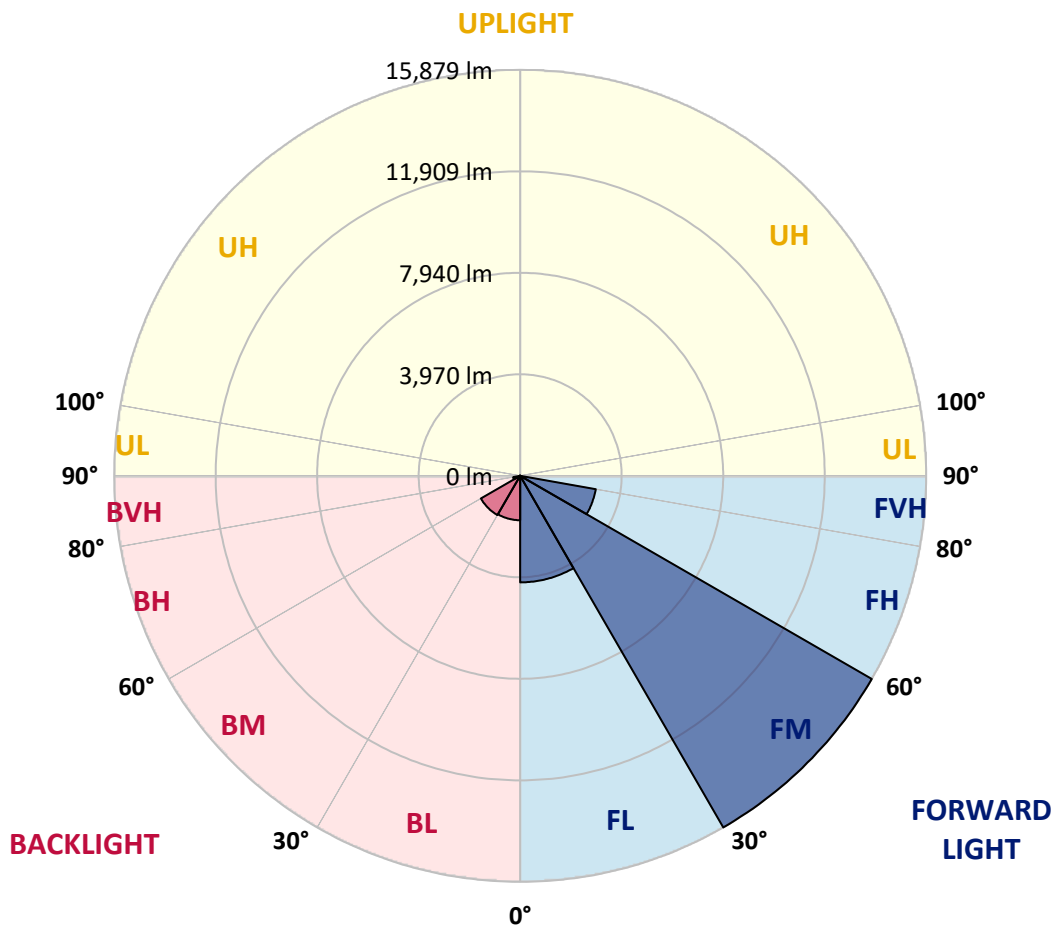
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4168.7  | 15.5      |                         |      |         |
| FM   | (30°-60°)   | 15879.3 | 59.1      |                         |      |         |
| FH   | (60°-80°)   | 3001.5  | 11.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 10.5    | 0.0       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1735.7  | 6.5       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 1774.7  | 6.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 272.1   | 1.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 12.6    | 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°    | 11830.0 | 11830.0 | 11830.0 | 11830.0 | 11830.0 | 11830.0 | 11830.0 | 11830.0 | 11830.0 | 11830.0 | 11830.0 |
| 2.5°  | 12519.1 | 12389.3 | 12399.3 | 12354.3 | 12294.4 | 12339.3 | 12144.6 | 12189.5 | 12184.5 | 11919.9 | 11745.1 |
| 5°    | 12204.5 | 12344.3 | 12199.5 | 12319.4 | 12204.5 | 12329.4 | 12209.5 | 12119.6 | 11974.8 | 11780.1 | 11455.5 |
| 7.5°  | 11670.2 | 11535.4 | 11575.3 | 11725.1 | 11750.1 | 12029.7 | 11879.9 | 11994.8 | 11934.9 | 11550.3 | 11105.9 |
| 10°   | 10596.6 | 10566.6 | 10766.3 | 10966.1 | 11210.8 | 11510.4 | 11625.2 | 11560.3 | 11515.4 | 11370.6 | 10776.3 |
| 12.5° | 9772.6  | 9857.5  | 9852.5  | 10182.1 | 10596.6 | 10766.3 | 11066.0 | 11056.0 | 11305.7 | 11036.0 | 10466.7 |
| 15°   | 8988.6  | 9033.5  | 9243.3  | 9448.0  | 9907.4  | 10391.8 | 10761.3 | 10811.3 | 11110.9 | 10921.1 | 10227.0 |
| 17.5° | 8509.2  | 8444.3  | 8609.1  | 8853.8  | 9323.2  | 9957.4  | 10366.8 | 10486.7 | 10896.2 | 10856.2 | 9952.4  |
| 20°   | 8034.8  | 8034.8  | 8169.6  | 8459.3  | 8888.7  | 9602.8  | 10331.9 | 10296.9 | 10896.2 | 10781.3 | 9657.7  |
| 22.5° | 7875.0  | 7954.9  | 7989.9  | 8209.6  | 8718.9  | 9333.2  | 10182.1 | 10247.0 | 10981.1 | 10746.4 | 9527.9  |
| 25°   | 8094.7  | 7989.9  | 7999.8  | 8174.6  | 8654.0  | 9203.3  | 10072.2 | 10217.0 | 11135.9 | 10921.1 | 9423.0  |
| 27.5° | 8129.7  | 8234.6  | 8264.5  | 8384.4  | 8704.0  | 9243.3  | 10346.9 | 10641.5 | 11520.4 | 11330.6 | 9453.0  |
| 30°   | 8434.3  | 8539.2  | 8534.2  | 8738.9  | 8958.6  | 9567.9  | 10961.1 | 11021.0 | 12314.4 | 11845.0 | 9637.8  |
| 32.5° | 8803.8  | 8913.7  | 8948.6  | 9188.3  | 9363.1  | 10162.1 | 11710.1 | 11864.9 | 13078.4 | 12653.9 | 10122.2 |
| 35°   | 9263.2  | 9223.3  | 9383.1  | 9622.8  | 9997.3  | 11031.0 | 12624.0 | 12883.7 | 13902.4 | 13702.6 | 10621.5 |
| 37.5° | 9837.5  | 9787.6  | 9942.4  | 10331.9 | 10841.2 | 12059.7 | 13467.9 | 13637.7 | 14501.6 | 14676.4 | 11545.4 |
| 40°   | 10242.0 | 10262.0 | 10731.4 | 11255.7 | 11795.0 | 13038.5 | 14002.2 | 14167.0 | 14921.1 | 15585.2 | 12244.5 |
| 42.5° | 10916.1 | 11041.0 | 11605.3 | 12244.5 | 12808.7 | 13772.5 | 14436.7 | 14596.5 | 15115.8 | 16314.3 | 13188.3 |
| 45°   | 11894.9 | 11840.0 | 12464.2 | 13178.3 | 13802.5 | 14536.6 | 14951.0 | 14896.1 | 15230.7 | 17038.4 | 13782.5 |
| 47.5° | 13153.3 | 13163.3 | 13577.8 | 14187.0 | 14836.2 | 15200.7 | 15525.3 | 15330.5 | 15470.4 | 17802.4 | 14576.5 |
| 50°   | 14012.2 | 14087.1 | 14421.7 | 15045.9 | 15370.5 | 15929.8 | 16344.3 | 16224.4 | 16179.5 | 18261.8 | 15075.9 |
| 52.5° | 14231.9 | 14456.7 | 14636.4 | 15415.4 | 16174.5 | 17058.4 | 17587.7 | 17842.4 | 17043.4 | 18416.6 | 15710.1 |
| 55°   | 12574.0 | 12773.8 | 13408.0 | 14476.6 | 16479.1 | 18846.1 | 19575.2 | 19580.2 | 18171.9 | 19105.8 | 16154.5 |
| 57.5° | 10052.2 | 9647.8  | 10037.3 | 11170.8 | 13932.3 | 18771.2 | 20543.9 | 20309.2 | 18736.2 | 18701.3 | 15770.0 |
| 60°   | 6951.2  | 6851.3  | 6876.3  | 7325.7  | 9642.8  | 14931.1 | 18306.8 | 18611.4 | 17253.1 | 16209.4 | 12484.2 |
| 62.5° | 5508.0  | 5423.1  | 5313.3  | 5263.3  | 5987.4  | 9303.2  | 12913.6 | 13343.1 | 12064.7 | 10511.7 | 7400.6  |
| 65°   | 4314.5  | 4264.6  | 4279.6  | 4479.3  | 4474.3  | 5278.3  | 7061.0  | 6886.3  | 5513.0  | 4074.8  | 2327.0  |
| 67.5° | 2911.3  | 2986.2  | 3046.1  | 3650.4  | 3960.0  | 3675.3  | 3410.7  | 3310.8  | 1792.7  | 754.0   | 514.3   |
| 70°   | 1637.9  | 1647.9  | 1712.8  | 2282.1  | 3006.2  | 2851.4  | 2352.0  | 2352.0  | 893.9   | 274.7   | 294.6   |
| 72.5° | 893.9   | 863.9   | 804.0   | 983.8   | 1338.3  | 1358.3  | 1048.7  | 913.8   | 264.7   | 179.8   | 164.8   |
| 75°   | 434.4   | 429.5   | 369.5   | 304.6   | 289.6   | 239.7   | 184.8   | 169.8   | 119.8   | 114.9   | 99.9    |
| 77.5° | 89.9    | 84.9    | 44.9    | 44.9    | 49.9    | 54.9    | 69.9    | 69.9    | 84.9    | 84.9    | 69.9    |
| 80°   | 0.0     | 0.0     | 5.0     | 20.0    | 35.0    | 49.9    | 59.9    | 59.9    | 69.9    | 69.9    | 54.9    |
| 82.5° | 0.0     | 0.0     | 5.0     | 15.0    | 30.0    | 44.9    | 54.9    | 59.9    | 69.9    | 74.9    | 59.9    |
| 85°   | 0.0     | 0.0     | 0.0     | 10.0    | 25.0    | 35.0    | 30.0    | 30.0    | 25.0    | 20.0    | 10.0    |
| 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     |

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**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 11830.0 | 11830.0 | 11830.0 | 11830.0 | 11830.0 | 11830.0 | 11830.0 | 11830.0 | 11830.0 | 11830.0 | 11830.0 |
| 2.5°  | 11655.2 | 11645.2 | 11415.5 | 11285.7 | 11051.0 | 10846.2 | 10681.4 | 10561.6 | 10561.6 | 10486.7 | 10416.8 |
| 5°    | 11325.6 | 11240.7 | 10751.4 | 10436.8 | 9992.3  | 9662.7  | 9438.0  | 9263.2  | 8988.6  | 9063.5  | 8768.9  |
| 7.5°  | 10916.1 | 10701.4 | 10052.2 | 9572.9  | 8958.6  | 8489.2  | 8009.8  | 7585.4  | 7175.9  | 6991.1  | 7091.0  |
| 10°   | 10476.7 | 10102.2 | 9228.3  | 8469.3  | 7705.2  | 6846.3  | 6287.0  | 5607.9  | 5188.4  | 5163.4  | 5053.6  |
| 12.5° | 10012.3 | 9587.8  | 8524.2  | 7475.5  | 6471.8  | 5438.1  | 4584.2  | 3950.0  | 3665.3  | 3350.7  | 3410.7  |
| 15°   | 9662.7  | 9033.5  | 7740.2  | 6476.8  | 5143.5  | 4099.8  | 3240.9  | 2751.5  | 2481.9  | 2406.9  | 2382.0  |
| 17.5° | 9283.2  | 8609.1  | 6941.2  | 5413.1  | 4034.9  | 2951.3  | 2332.0  | 2097.3  | 1992.5  | 1992.5  | 1977.5  |
| 20°   | 8888.7  | 8129.7  | 6147.2  | 4424.4  | 3026.2  | 2202.2  | 1867.6  | 1792.7  | 1787.7  | 1782.7  | 1782.7  |
| 22.5° | 8629.1  | 7580.4  | 5428.1  | 3515.5  | 2282.1  | 1762.8  | 1622.9  | 1593.0  | 1613.0  | 1672.9  | 1672.9  |
| 25°   | 8354.4  | 7051.1  | 4634.1  | 2711.6  | 1767.8  | 1513.1  | 1433.2  | 1453.2  | 1503.1  | 1558.0  | 1538.0  |
| 27.5° | 8074.8  | 6706.5  | 3885.1  | 2127.3  | 1448.2  | 1323.3  | 1293.4  | 1338.3  | 1393.2  | 1443.2  | 1428.2  |
| 30°   | 8009.8  | 6337.0  | 3176.0  | 1613.0  | 1243.4  | 1153.5  | 1173.5  | 1213.5  | 1268.4  | 1288.4  | 1308.3  |
| 32.5° | 8109.7  | 6047.3  | 2601.7  | 1323.3  | 1083.6  | 1058.7  | 1058.7  | 1078.6  | 1113.6  | 1158.5  | 1143.5  |
| 35°   | 8394.3  | 5882.5  | 2057.4  | 1148.5  | 993.7   | 968.8   | 963.8   | 983.8   | 1003.7  | 1018.7  | 1003.7  |
| 37.5° | 8828.8  | 5752.7  | 1682.9  | 1018.7  | 933.8   | 893.9   | 883.9   | 878.9   | 898.9   | 903.9   | 913.8   |
| 40°   | 9383.1  | 5822.6  | 1428.2  | 938.8   | 873.9   | 828.9   | 799.0   | 799.0   | 799.0   | 814.0   | 819.0   |
| 42.5° | 9982.3  | 5917.5  | 1233.4  | 893.9   | 819.0   | 764.0   | 734.1   | 724.1   | 734.1   | 754.0   | 749.0   |
| 45°   | 10611.5 | 6102.3  | 1108.6  | 824.0   | 769.0   | 699.1   | 659.2   | 649.2   | 674.1   | 714.1   | 709.1   |
| 47.5° | 11200.8 | 6366.9  | 1013.7  | 779.0   | 719.1   | 654.2   | 604.2   | 594.2   | 639.2   | 694.1   | 699.1   |
| 50°   | 11790.0 | 6826.3  | 978.8   | 744.1   | 684.1   | 609.2   | 564.3   | 554.3   | 604.2   | 674.1   | 689.1   |
| 52.5° | 12469.2 | 7320.7  | 953.8   | 699.1   | 644.2   | 574.3   | 524.3   | 514.3   | 569.3   | 659.2   | 664.2   |
| 55°   | 12913.6 | 7740.2  | 933.8   | 619.2   | 569.3   | 519.3   | 479.4   | 474.4   | 534.3   | 614.2   | 634.2   |
| 57.5° | 12394.3 | 7155.9  | 863.9   | 539.3   | 484.4   | 459.4   | 424.5   | 424.5   | 474.4   | 549.3   | 564.3   |
| 60°   | 9398.1  | 4709.0  | 614.2   | 434.4   | 409.5   | 394.5   | 379.5   | 379.5   | 419.5   | 474.4   | 479.4   |
| 62.5° | 5503.0  | 2536.8  | 394.5   | 349.6   | 349.6   | 334.6   | 309.6   | 309.6   | 349.6   | 379.5   | 384.5   |
| 65°   | 1632.9  | 814.0   | 319.6   | 299.6   | 294.6   | 269.7   | 244.7   | 239.7   | 269.7   | 284.6   | 279.6   |
| 67.5° | 469.4   | 374.5   | 264.7   | 249.7   | 244.7   | 204.7   | 189.8   | 184.8   | 189.8   | 179.8   | 174.8   |
| 70°   | 279.6   | 254.7   | 204.7   | 209.7   | 184.8   | 149.8   | 134.8   | 129.8   | 119.8   | 104.9   | 94.9    |
| 72.5° | 154.8   | 154.8   | 149.8   | 159.8   | 129.8   | 99.9    | 84.9    | 69.9    | 54.9    | 44.9    | 39.9    |
| 75°   | 94.9    | 99.9    | 104.9   | 109.9   | 84.9    | 64.9    | 54.9    | 35.0    | 20.0    | 10.0    | 10.0    |
| 77.5° | 64.9    | 69.9    | 74.9    | 79.9    | 69.9    | 59.9    | 44.9    | 25.0    | 5.0     | 0.0     | 0.0     |
| 80°   | 49.9    | 54.9    | 64.9    | 69.9    | 74.9    | 79.9    | 59.9    | 25.0    | 5.0     | 0.0     | 0.0     |
| 82.5° | 54.9    | 59.9    | 74.9    | 69.9    | 69.9    | 69.9    | 54.9    | 25.0    | 5.0     | 0.0     | 0.0     |
| 85°   | 10.0    | 15.0    | 25.0    | 25.0    | 35.0    | 44.9    | 35.0    | 10.0    | 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)