

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: P532926

Luminaire Tested: **GLAN-SA8B-740-U-T3R-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532926  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA8B-740-U-T3R-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40110 lumens  
Efficiency: N/A  
Efficacy: 123.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G3

Input Watts (W): 325  
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

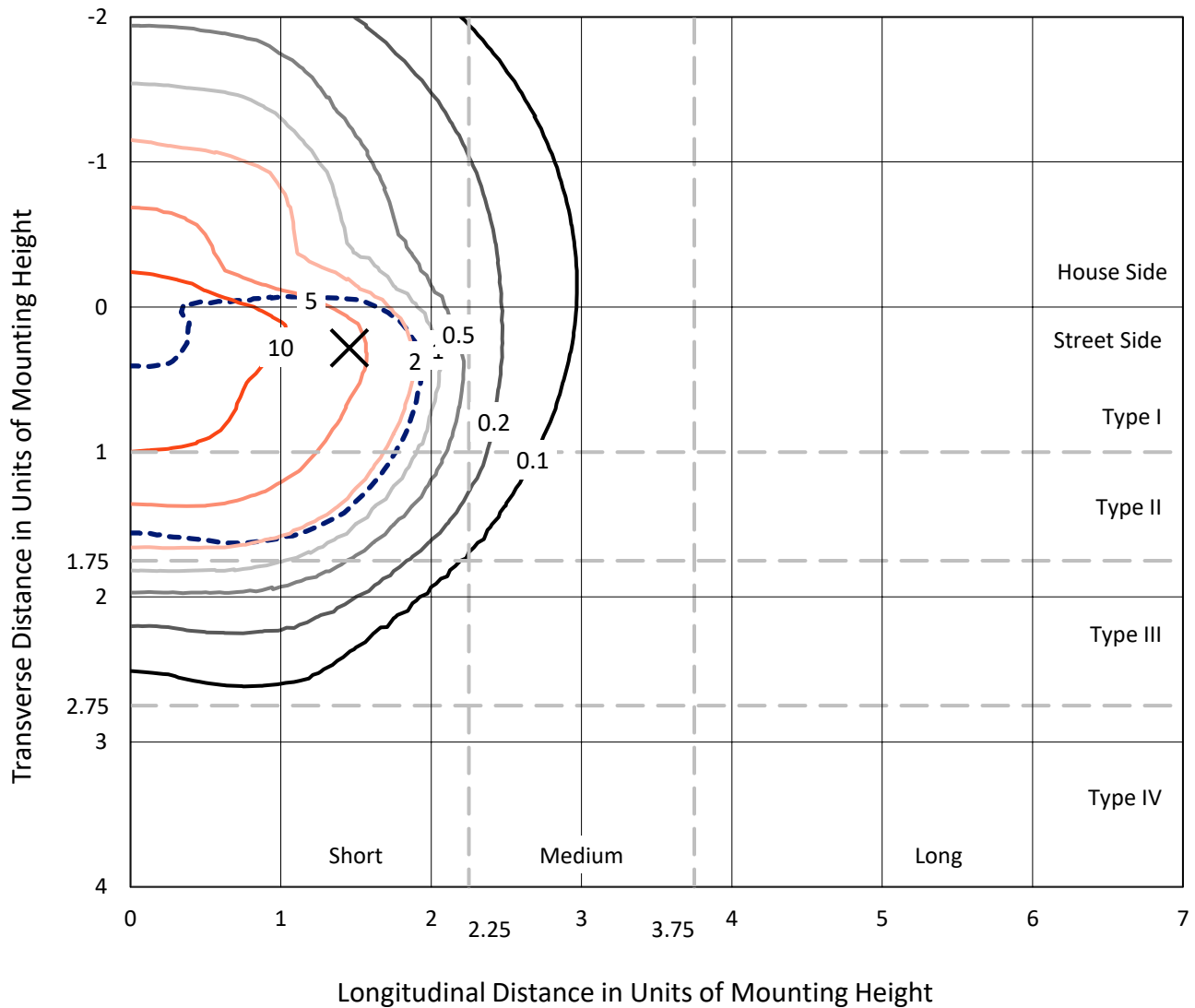


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## Iso-Footcandle Lines of Horizontal Illumination

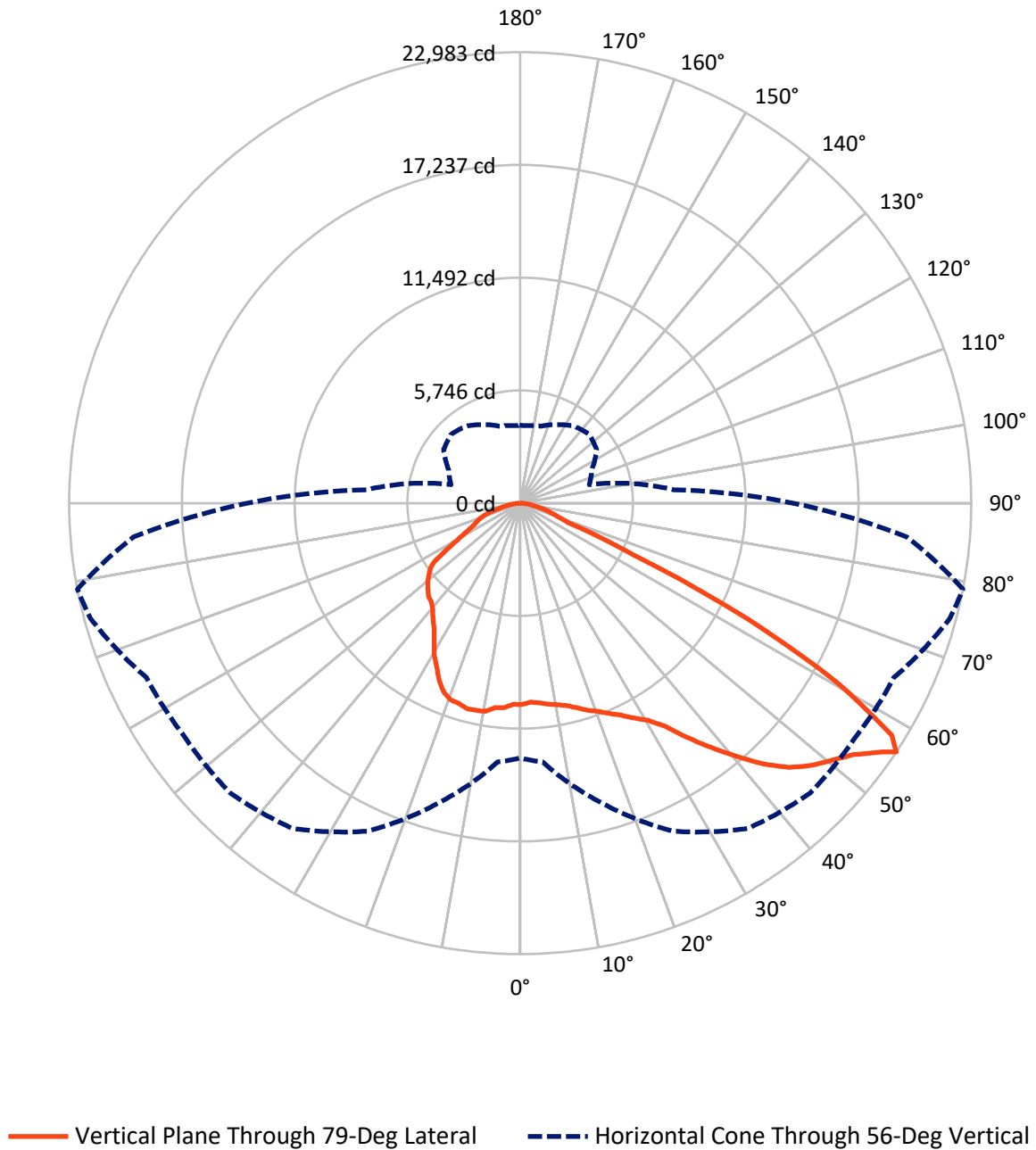
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.5 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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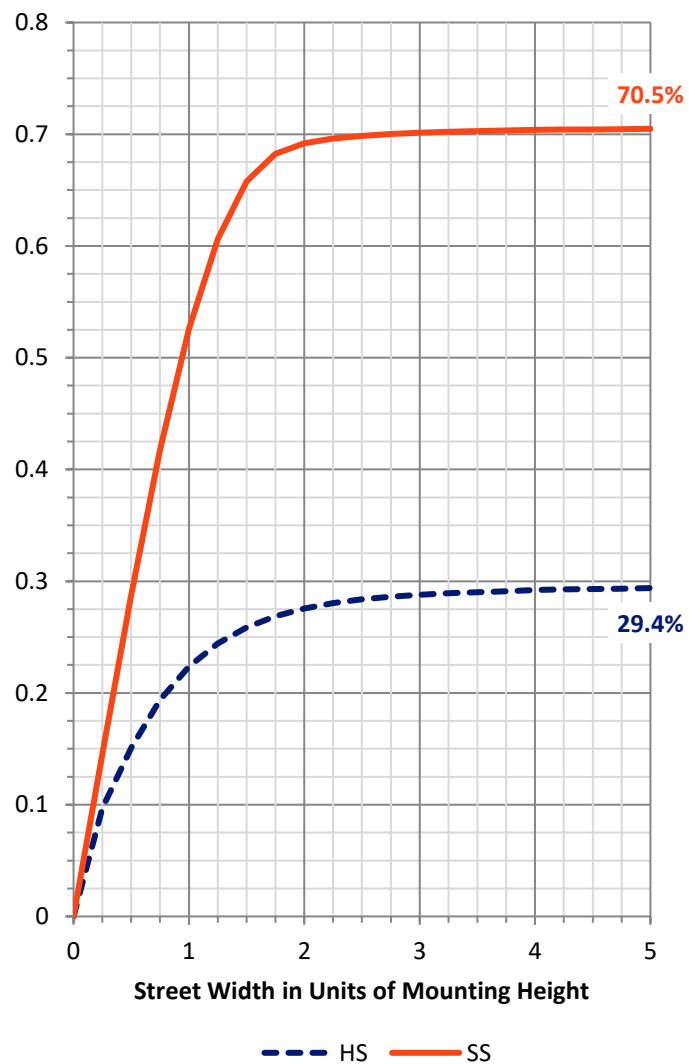
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 11845.4  | 0.0    | 11845.4 |
|                    | % Fixture | 29.5     | 0.0    | 29.5    |
| <b>Street Side</b> | Lumens    | 28264.7  | 0.0    | 28264.7 |
|                    | % Fixture | 70.5     | 0.0    | 70.5    |
| <b>Total</b>       | Lumens    | 40110.0  | 0.0    | 40110.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 933.1   | 2.3       |
| 10°-20°   | 2553.5  | 6.4       |
| 20°-30°   | 4368.6  | 10.9      |
| 30°-40°   | 6695.4  | 16.7      |
| 40°-50°   | 9048.8  | 22.6      |
| 50°-60°   | 10392.9 | 25.9      |
| 60°-70°   | 4737.4  | 11.8      |
| 70°-80°   | 1168.0  | 2.9       |
| 80°-90°   | 212.3   | 0.5       |
| 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°    | 40110.0 | 100.0     |
| 0°-180°   | 40110.0 | 100.0     |

**Coefficient of Utilization**



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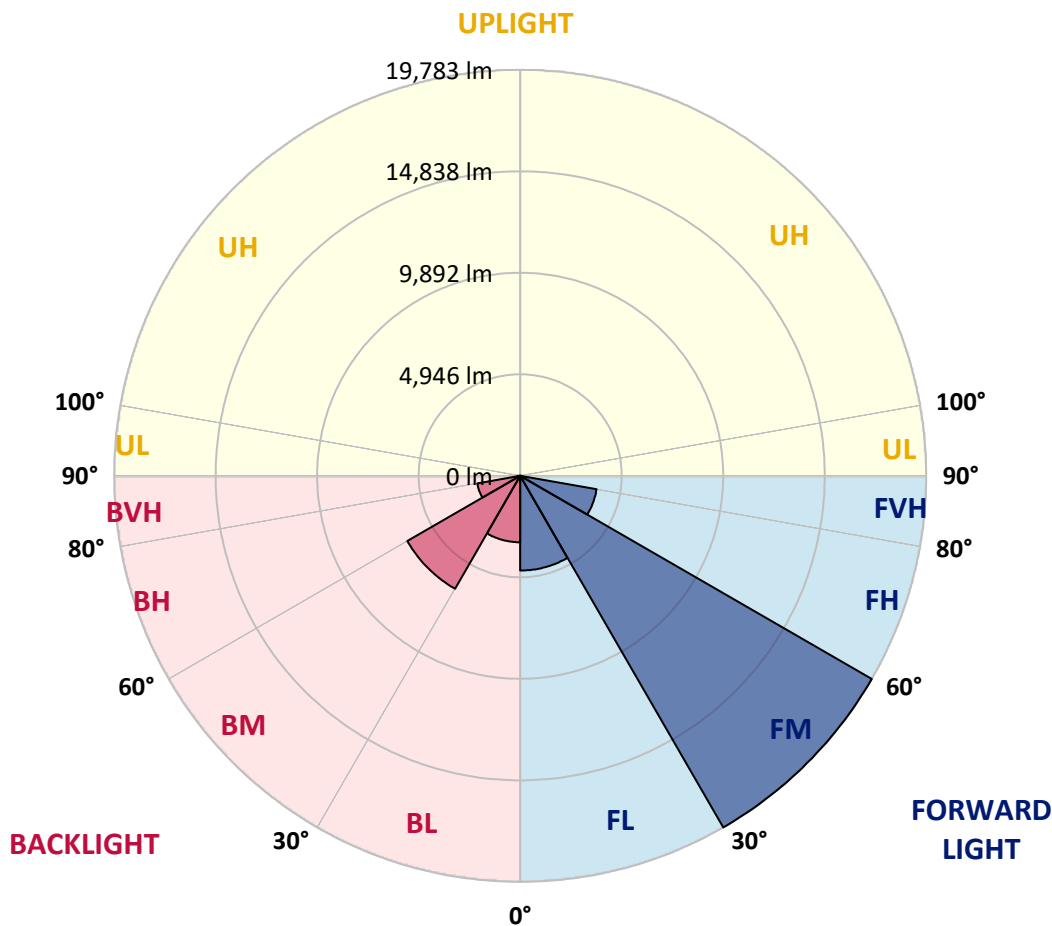
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4615.0  | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 19783.4 | 49.3      |                         |      |         |
| FH   | (60°-80°)   | 3781.5  | 9.4       |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 84.8    | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 3240.2  | 8.1       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 6353.7  | 15.8      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 2123.9  | 5.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 127.5   | 0.3       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G3**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 79°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 10262.6 | 10262.6 | 10262.6 | 10262.6 | 10262.6 | 10262.6 | 10262.6 | 10262.6 | 10262.6 | 10262.6 | 10262.6 |
| 2.5°  | 9762.9  | 9737.9  | 9797.9  | 9842.9  | 9897.8  | 9967.8  | 10002.7 | 10022.7 | 10197.6 | 10152.6 | 10287.5 |
| 5°    | 9553.1  | 9488.1  | 9533.1  | 9568.1  | 9663.0  | 9747.9  | 9842.9  | 9992.8  | 10152.6 | 10222.6 | 10387.5 |
| 7.5°  | 9368.2  | 9333.2  | 9323.2  | 9348.2  | 9478.1  | 9588.0  | 9752.9  | 9972.8  | 10232.6 | 10347.5 | 10442.4 |
| 10°   | 9063.4  | 9013.5  | 9088.4  | 9253.3  | 9288.3  | 9518.1  | 9708.0  | 10022.7 | 10247.6 | 10447.4 | 10727.2 |
| 12.5° | 8928.5  | 8878.6  | 8893.6  | 8988.5  | 9233.3  | 9453.1  | 9678.0  | 10032.7 | 10507.4 | 10587.3 | 10962.1 |
| 15°   | 9143.4  | 9093.4  | 9108.4  | 9083.4  | 9318.2  | 9433.2  | 9787.9  | 10232.6 | 10687.3 | 10822.2 | 11221.9 |
| 17.5° | 9633.0  | 9638.0  | 9573.1  | 9518.1  | 9463.1  | 9708.0  | 9952.8  | 10352.5 | 10757.2 | 11097.0 | 11396.7 |
| 20°   | 10567.3 | 10402.5 | 10272.6 | 9962.8  | 9877.8  | 9982.8  | 10292.5 | 10677.3 | 11042.0 | 11321.8 | 11661.5 |
| 22.5° | 11286.8 | 11301.8 | 11116.9 | 10607.3 | 10422.4 | 10467.4 | 10732.2 | 11047.0 | 11446.7 | 11646.6 | 12036.3 |
| 25°   | 12331.1 | 12226.1 | 12026.3 | 11621.6 | 11206.9 | 11241.9 | 11436.7 | 11721.5 | 11831.4 | 11971.3 | 12396.0 |
| 27.5° | 13285.4 | 13315.3 | 12920.6 | 12540.9 | 12026.3 | 11926.4 | 12276.1 | 12326.1 | 12141.2 | 12406.0 | 12550.9 |
| 30°   | 14254.7 | 14229.7 | 13969.9 | 13525.2 | 13020.6 | 13040.5 | 13195.4 | 12950.6 | 12695.8 | 12840.7 | 12940.6 |
| 32.5° | 15258.9 | 14974.1 | 14964.2 | 14564.4 | 14179.7 | 13994.9 | 13805.0 | 13924.9 | 13530.2 | 13560.2 | 13465.2 |
| 35°   | 16063.4 | 16103.3 | 15873.5 | 15588.7 | 15398.8 | 15074.1 | 14554.4 | 14769.3 | 14694.3 | 14659.4 | 14249.7 |
| 37.5° | 16647.9 | 16493.0 | 16608.0 | 16513.0 | 16333.2 | 15928.5 | 15388.8 | 15593.7 | 15628.7 | 15798.5 | 15323.9 |
| 40°   | 17127.6 | 17062.6 | 17367.4 | 17417.4 | 17292.5 | 16418.1 | 15448.8 | 16058.4 | 16583.0 | 16952.7 | 16388.1 |
| 42.5° | 17357.4 | 17497.3 | 17817.1 | 18201.8 | 17922.0 | 16987.7 | 15758.6 | 16413.1 | 17582.3 | 18166.8 | 17397.4 |
| 45°   | 17667.2 | 17487.3 | 17962.0 | 18666.5 | 18671.5 | 17467.3 | 16058.4 | 16892.8 | 18361.7 | 19211.1 | 18086.9 |
| 47.5° | 17352.4 | 17442.4 | 17932.0 | 18826.4 | 19056.2 | 17972.0 | 16867.8 | 17572.3 | 19221.1 | 19975.5 | 18726.4 |
| 50°   | 16647.9 | 16827.8 | 17722.2 | 18651.5 | 19346.0 | 18506.6 | 17797.1 | 18306.7 | 20015.5 | 20590.1 | 18831.3 |
| 52.5° | 15913.5 | 16013.4 | 17412.4 | 18786.4 | 19475.9 | 19196.1 | 19041.2 | 19321.0 | 20984.8 | 21284.6 | 18961.3 |
| 55°   | 13914.9 | 14389.6 | 16388.1 | 18726.4 | 20110.4 | 20440.2 | 20320.3 | 20730.0 | 22084.0 | 22383.8 | 19670.7 |
| 56°   | 12990.6 | 13240.4 | 15773.6 | 18446.6 | 20235.3 | 20894.9 | 20834.9 | 21019.8 | 22668.6 | 22983.3 | 19780.7 |
| 57.5° | 11281.8 | 11301.8 | 13450.2 | 17207.5 | 19765.7 | 21029.8 | 20969.8 | 21114.7 | 22553.7 | 22338.8 | 18816.4 |
| 60°   | 7059.9  | 7369.7  | 9153.4  | 13235.4 | 16807.8 | 19510.9 | 19850.6 | 18686.5 | 19016.2 | 18561.5 | 14639.4 |
| 62.5° | 3657.3  | 3612.4  | 4796.5  | 7739.4  | 11156.9 | 13969.9 | 14284.6 | 14229.7 | 13720.1 | 13055.5 | 9563.1  |
| 65°   | 1823.7  | 1833.7  | 2508.2  | 3832.2  | 5715.9  | 7314.7  | 8194.1  | 8289.0  | 6935.0  | 6380.4  | 4536.7  |
| 67.5° | 1324.0  | 1374.0  | 1803.7  | 2343.3  | 2693.0  | 3012.8  | 3692.3  | 3622.4  | 2743.0  | 2608.1  | 2418.2  |
| 70°   | 1029.3  | 1074.2  | 1463.9  | 1788.7  | 1623.8  | 1623.8  | 1768.7  | 1828.7  | 1953.6  | 2008.5  | 2073.5  |
| 72.5° | 749.5   | 784.4   | 1119.2  | 1234.1  | 1064.2  | 1144.2  | 1324.0  | 1463.9  | 1593.8  | 1613.8  | 1688.8  |
| 75°   | 514.6   | 544.6   | 734.5   | 679.5   | 639.5   | 789.4   | 969.3   | 1099.2  | 1194.1  | 1244.1  | 1289.1  |
| 77.5° | 334.8   | 344.8   | 419.7   | 354.7   | 409.7   | 509.6   | 629.5   | 739.5   | 834.4   | 874.4   | 884.4   |
| 80°   | 149.9   | 164.9   | 179.9   | 224.8   | 284.8   | 364.7   | 449.7   | 539.6   | 599.6   | 614.6   | 644.5   |
| 82.5° | 84.9    | 84.9    | 109.9   | 159.9   | 209.8   | 264.8   | 324.8   | 389.7   | 459.7   | 474.7   | 469.7   |
| 85°   | 45.0    | 45.0    | 65.0    | 94.9    | 129.9   | 154.9   | 149.9   | 154.9   | 164.9   | 189.9   | 184.9   |
| 87.5° | 15.0    | 15.0    | 20.0    | 20.0    | 25.0    | 30.0    | 25.0    | 35.0    | 45.0    | 45.0    | 45.0    |
| 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°    | 10262.6 | 10262.6 | 10262.6 | 10262.6 | 10262.6 | 10262.6 | 10262.6 | 10262.6 | 10262.6 | 10262.6 | 10262.6 |
| 2.5°  | 10247.6 | 10292.5 | 10232.6 | 10362.5 | 10362.5 | 10337.5 | 10212.6 | 10252.6 | 10282.5 | 10282.5 | 10307.5 |
| 5°    | 10442.4 | 10427.4 | 10467.4 | 10312.5 | 10217.6 | 10182.6 | 9977.8  | 9877.8  | 9792.9  | 9787.9  | 9713.0  |
| 7.5°  | 10552.4 | 10512.4 | 10497.4 | 10382.5 | 9962.8  | 9708.0  | 9268.3  | 9013.5  | 8958.5  | 8763.6  | 8838.6  |
| 10°   | 10727.2 | 10802.2 | 10727.2 | 10102.7 | 9518.1  | 8933.5  | 8503.8  | 8109.1  | 7954.2  | 7829.3  | 7754.4  |
| 12.5° | 11087.0 | 11052.0 | 10617.3 | 9772.9  | 8953.5  | 8259.0  | 7619.5  | 7204.8  | 7049.9  | 6940.0  | 6930.0  |
| 15°   | 11391.7 | 11216.9 | 10552.4 | 9253.3  | 8074.1  | 7334.7  | 6810.1  | 6515.3  | 6445.3  | 6455.3  | 6500.3  |
| 17.5° | 11496.7 | 11376.8 | 10212.6 | 8713.7  | 7419.6  | 6550.3  | 6305.4  | 6260.5  | 6325.4  | 6400.4  | 6420.3  |
| 20°   | 11661.5 | 11471.7 | 10072.7 | 7979.2  | 6610.2  | 6060.6  | 6045.6  | 6205.5  | 6325.4  | 6435.3  | 6450.3  |
| 22.5° | 12006.3 | 11526.6 | 9618.0  | 7284.7  | 6055.6  | 5915.7  | 6060.6  | 6195.5  | 6380.4  | 6470.3  | 6390.4  |
| 25°   | 12106.2 | 11406.7 | 8978.5  | 6450.3  | 5705.9  | 5825.8  | 5980.7  | 6165.5  | 6295.4  | 6345.4  | 6380.4  |
| 27.5° | 12191.2 | 11221.9 | 8114.1  | 5895.7  | 5595.9  | 5820.8  | 5980.7  | 6135.6  | 6205.5  | 6250.5  | 6290.4  |
| 30°   | 12431.0 | 11166.9 | 7364.7  | 5526.0  | 5526.0  | 5720.9  | 5925.7  | 5965.7  | 6060.6  | 6115.6  | 6185.5  |
| 32.5° | 12550.9 | 10787.2 | 6595.2  | 5291.2  | 5456.0  | 5770.8  | 5785.8  | 5860.8  | 5865.7  | 5910.7  | 5835.8  |
| 35°   | 12865.7 | 10517.4 | 5880.7  | 5121.3  | 5486.0  | 5720.9  | 5795.8  | 5750.8  | 5506.0  | 5386.1  | 5411.1  |
| 37.5° | 13095.5 | 10382.5 | 5366.1  | 5101.3  | 5491.0  | 5775.8  | 5815.8  | 5476.0  | 5221.2  | 5021.4  | 5071.3  |
| 40°   | 13715.1 | 10047.7 | 4976.4  | 5066.3  | 5536.0  | 5835.8  | 5725.8  | 5356.1  | 4896.5  | 4691.6  | 4656.6  |
| 42.5° | 14189.7 | 9807.9  | 4731.6  | 5026.4  | 5571.0  | 5920.7  | 5680.9  | 5116.3  | 4646.6  | 4456.8  | 4506.7  |
| 45°   | 14739.3 | 9752.9  | 4601.7  | 5036.3  | 5630.9  | 5965.7  | 5625.9  | 4931.4  | 4431.8  | 4356.8  | 4341.9  |
| 47.5° | 14934.2 | 9358.2  | 4461.8  | 4951.4  | 5615.9  | 5950.7  | 5441.1  | 4791.5  | 4351.8  | 4361.8  | 4401.8  |
| 50°   | 14609.4 | 8953.5  | 4356.8  | 4776.5  | 5516.0  | 5815.8  | 5151.3  | 4606.7  | 4306.9  | 4431.8  | 4501.7  |
| 52.5° | 14194.7 | 8538.8  | 4142.0  | 4541.7  | 5311.1  | 5605.9  | 5016.4  | 4596.7  | 4261.9  | 4221.9  | 4236.9  |
| 55°   | 14319.6 | 8199.1  | 3842.2  | 4221.9  | 4981.4  | 5216.2  | 4866.5  | 4501.7  | 4152.0  | 4002.1  | 4052.1  |
| 56°   | 13914.9 | 7849.3  | 3647.4  | 4022.1  | 4756.6  | 4966.4  | 4791.5  | 4416.8  | 4062.1  | 3962.1  | 3962.1  |
| 57.5° | 12770.7 | 6675.2  | 3392.5  | 3702.3  | 4281.9  | 4531.7  | 4646.6  | 4366.8  | 3962.1  | 3787.3  | 3792.3  |
| 60°   | 9418.2  | 4746.6  | 3042.8  | 3262.6  | 3547.4  | 3747.3  | 4281.9  | 4226.9  | 3712.3  | 3592.4  | 3547.4  |
| 62.5° | 5805.8  | 3467.5  | 2793.0  | 2877.9  | 3022.8  | 3187.7  | 3737.3  | 3827.2  | 3447.5  | 3317.6  | 3287.6  |
| 65°   | 3252.6  | 2653.1  | 2603.1  | 2638.1  | 2708.0  | 2793.0  | 3102.8  | 3302.6  | 3042.8  | 2842.9  | 2832.9  |
| 67.5° | 2378.3  | 2373.3  | 2413.3  | 2443.2  | 2473.2  | 2473.2  | 2548.2  | 2628.1  | 2593.1  | 2433.2  | 2418.2  |
| 70°   | 2113.5  | 2128.5  | 2158.4  | 2163.4  | 2173.4  | 2138.4  | 2078.5  | 2053.5  | 2093.5  | 1993.6  | 1973.6  |
| 72.5° | 1743.7  | 1793.7  | 1828.7  | 1833.7  | 1778.7  | 1733.7  | 1653.8  | 1568.9  | 1538.9  | 1518.9  | 1513.9  |
| 75°   | 1339.0  | 1374.0  | 1389.0  | 1384.0  | 1364.0  | 1299.1  | 1204.1  | 1119.2  | 1064.2  | 1004.3  | 1034.3  |
| 77.5° | 904.3   | 954.3   | 979.3   | 979.3   | 949.3   | 849.4   | 804.4   | 739.5   | 684.5   | 619.6   | 629.5   |
| 80°   | 634.5   | 669.5   | 709.5   | 704.5   | 654.5   | 604.6   | 539.6   | 479.7   | 434.7   | 384.7   | 379.7   |
| 82.5° | 474.7   | 494.6   | 514.6   | 504.6   | 469.7   | 419.7   | 374.7   | 319.8   | 269.8   | 234.8   | 234.8   |
| 85°   | 169.9   | 184.9   | 224.8   | 234.8   | 254.8   | 254.8   | 214.8   | 179.9   | 144.9   | 119.9   | 119.9   |
| 87.5° | 50.0    | 50.0    | 55.0    | 55.0    | 50.0    | 55.0    | 45.0    | 50.0    | 55.0    | 35.0    | 35.0    |
| 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)