

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: P953291

Luminaire Tested: **GLAN-SB6D-850-U-T4W-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953291  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6D-850-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 45466 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

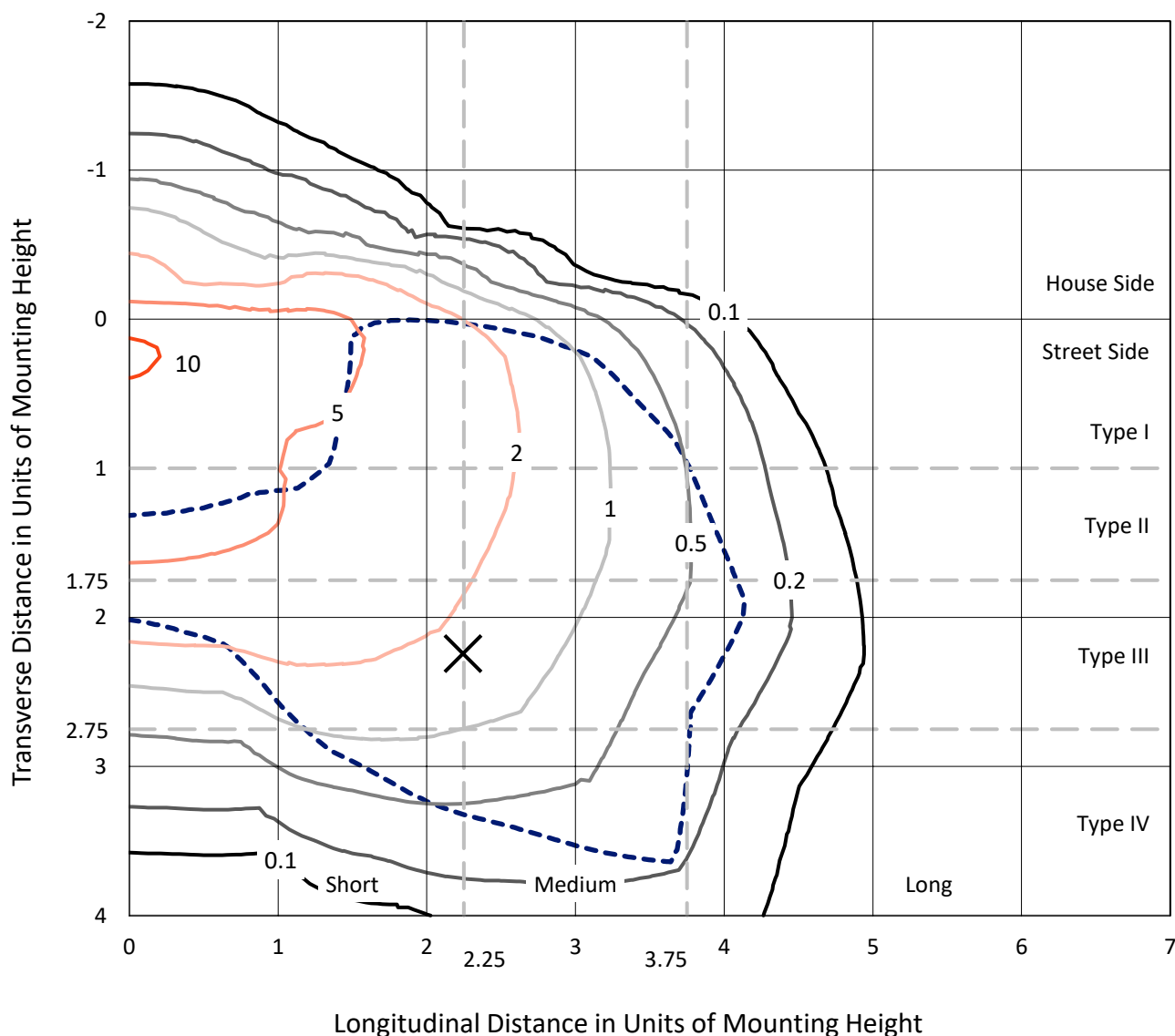
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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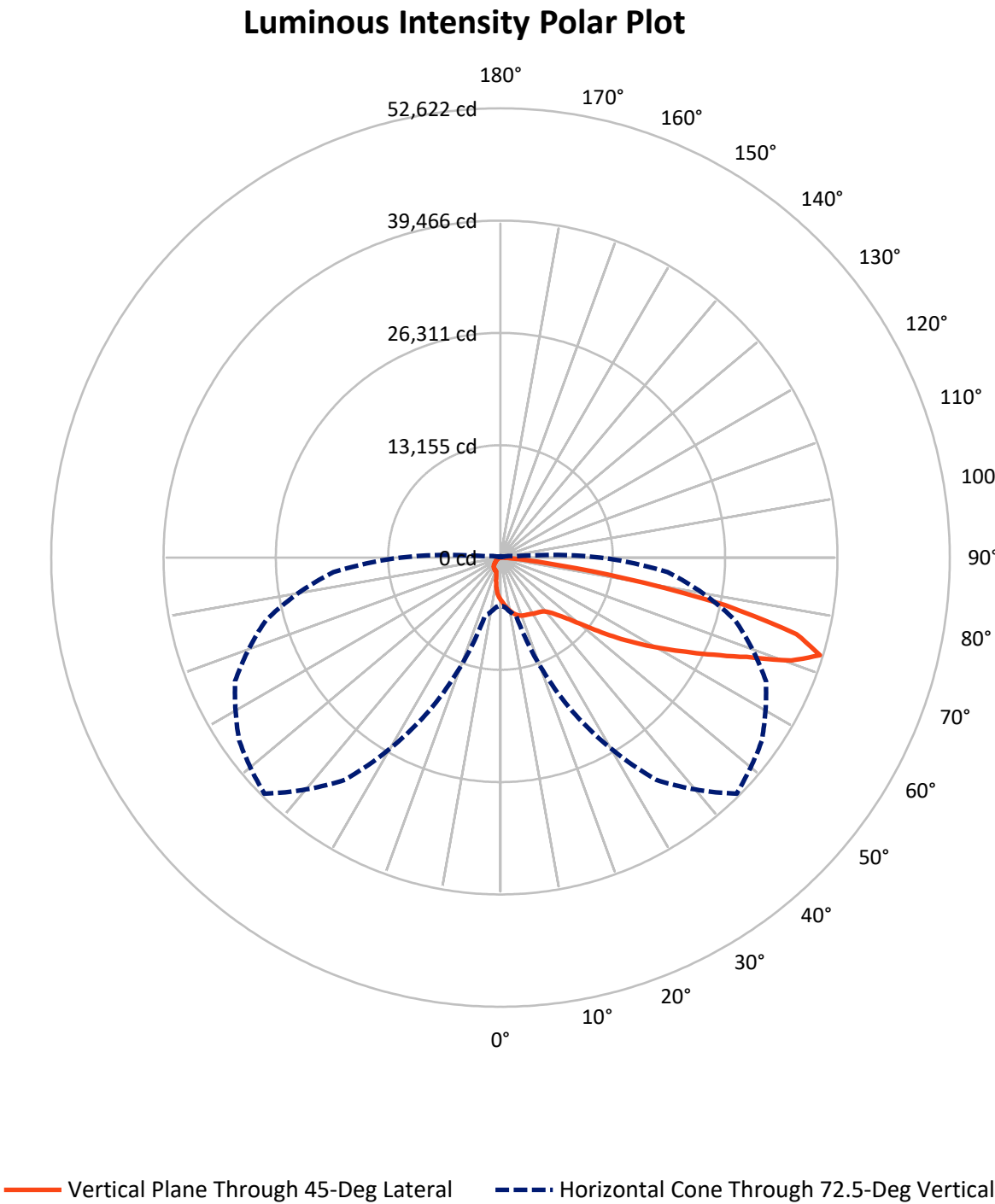
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc  
 Type IV - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4777.2   | 0.0    | 4777.2  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 40688.8  | 0.0    | 40688.8 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 45466.0  | 0.0    | 45466.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 469.3   | 1.0       |
| 10°-20°   | 1371.6  | 3.0       |
| 20°-30°   | 2252.3  | 5.0       |
| 30°-40°   | 3194.3  | 7.0       |
| 40°-50°   | 5279.9  | 11.6      |
| 50°-60°   | 9484.7  | 20.9      |
| 60°-70°   | 13170.1 | 29.0      |
| 70°-80°   | 9553.1  | 21.0      |
| 80°-90°   | 690.7   | 1.5       |
| 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°    | 45466.0 | 100.0     |
| 0°-180°   | 45466.0 | 100.0     |

**Coefficient of Utilization**



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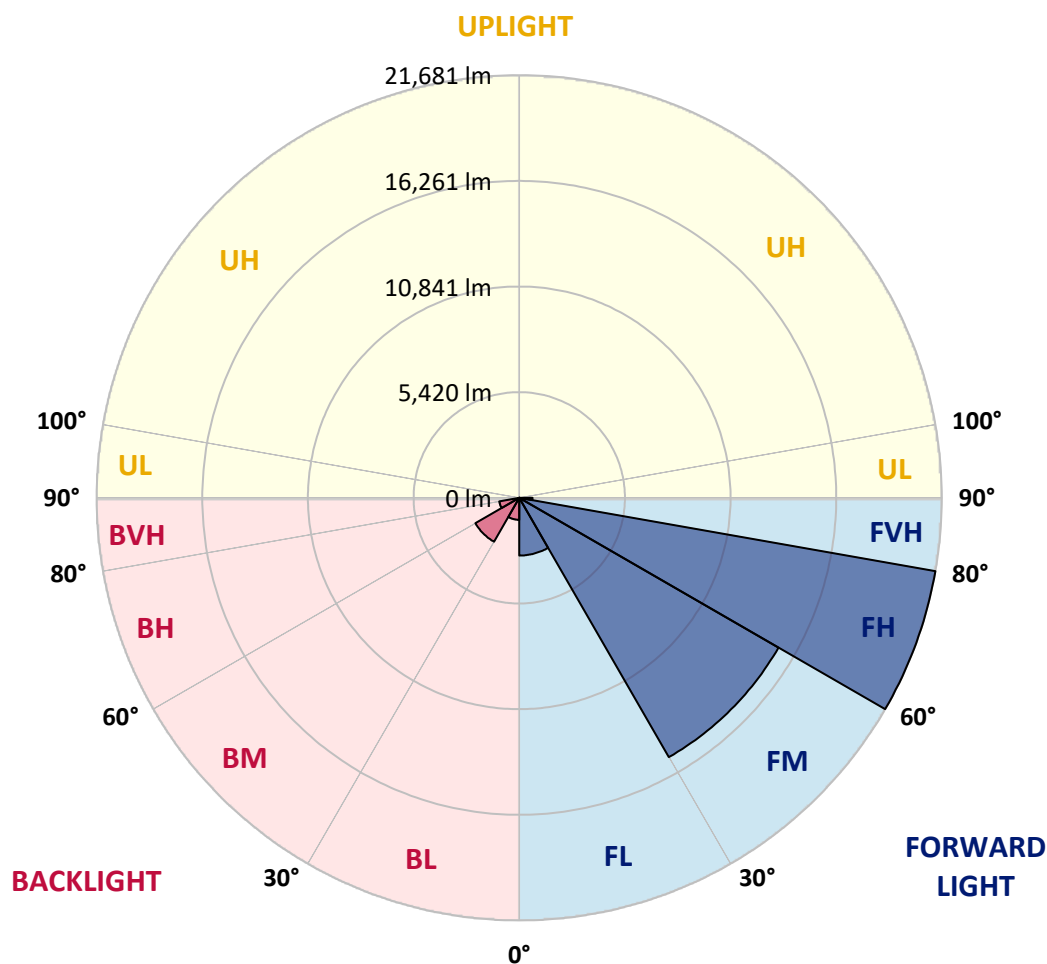
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2961.7  | 6.5       |                         |      |         |
| FM   | (30°-60°)   | 15360.8 | 33.8      |                         |      |         |
| FH   | (60°-80°)   | 21681.4 | 47.7      |                         |      | G5      |
| FVH  | (80°-90°)   | 684.9   | 1.5       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1131.5  | 2.5       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2598.1  | 5.7       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1041.8  | 2.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 5.8     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 46°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4980.9  | 4980.9  | 4980.9  | 4980.9  | 4980.9  | 4980.9  | 4980.9  | 4980.9  | 4980.9  | 4980.9  |
| 2.5°  | 5440.2  | 5449.5  | 5443.3  | 5406.1  | 5344.0  | 5309.9  | 5291.2  | 5229.2  | 5188.8  | 5117.4  |
| 5°    | 5939.8  | 5977.1  | 5955.4  | 5880.9  | 5762.9  | 5679.2  | 5654.3  | 5527.1  | 5412.3  | 5278.8  |
| 7.5°  | 6470.5  | 6489.1  | 6448.8  | 6352.6  | 6194.3  | 6051.6  | 6029.8  | 5852.9  | 5669.8  | 5465.0  |
| 10°   | 6929.8  | 6951.5  | 6889.5  | 6749.8  | 6569.8  | 6392.9  | 6361.9  | 6166.4  | 5949.1  | 5697.8  |
| 12.5° | 7314.6  | 7336.3  | 7255.7  | 7088.1  | 6889.5  | 6706.4  | 6675.3  | 6470.5  | 6231.6  | 5952.2  |
| 15°   | 7606.3  | 7646.7  | 7538.1  | 7358.1  | 7143.9  | 6960.8  | 6945.3  | 6743.6  | 6510.9  | 6200.5  |
| 17.5° | 7777.0  | 7817.4  | 7715.0  | 7497.7  | 7314.6  | 7159.5  | 7140.8  | 6973.3  | 6756.0  | 6458.1  |
| 20°   | 7805.0  | 7842.2  | 7733.6  | 7544.3  | 7392.2  | 7268.1  | 7258.8  | 7137.7  | 6979.5  | 6694.0  |
| 22.5° | 7721.2  | 7767.7  | 7668.4  | 7516.3  | 7410.8  | 7345.7  | 7333.2  | 7265.0  | 7175.0  | 6932.9  |
| 25°   | 7634.3  | 7671.5  | 7597.0  | 7463.6  | 7407.7  | 7401.5  | 7410.8  | 7398.4  | 7379.8  | 7175.0  |
| 27.5° | 7628.1  | 7668.4  | 7584.6  | 7457.4  | 7426.3  | 7491.5  | 7500.8  | 7559.8  | 7575.3  | 7395.3  |
| 30°   | 7680.8  | 7708.8  | 7628.1  | 7494.6  | 7479.1  | 7628.1  | 7631.2  | 7736.7  | 7761.5  | 7581.5  |
| 32.5° | 7795.6  | 7826.7  | 7746.0  | 7550.5  | 7528.8  | 7736.7  | 7746.0  | 7885.6  | 7926.0  | 7780.1  |
| 35°   | 8065.6  | 8102.9  | 8009.8  | 7705.6  | 7628.1  | 7839.1  | 7867.0  | 8031.5  | 8112.2  | 7991.2  |
| 37.5° | 8739.1  | 8630.5  | 8503.2  | 8019.1  | 7854.6  | 8000.5  | 8047.0  | 8239.4  | 8382.2  | 8242.5  |
| 40°   | 10411.8 | 10070.4 | 9673.2  | 8552.9  | 8251.8  | 8344.9  | 8382.2  | 8574.6  | 8770.1  | 8633.6  |
| 42.5° | 12922.4 | 12519.0 | 11879.7 | 9781.8  | 8850.8  | 8897.3  | 8925.3  | 9092.9  | 9369.1  | 9260.4  |
| 45°   | 15159.9 | 15014.1 | 14362.4 | 11879.7 | 9971.1  | 9741.5  | 9775.6  | 9862.5  | 10269.0 | 10228.7 |
| 47.5° | 16879.2 | 16795.4 | 16292.7 | 14287.9 | 11864.2 | 10774.9 | 10871.1 | 10911.4 | 11498.0 | 11640.7 |
| 50°   | 18201.2 | 18170.2 | 17720.2 | 16429.2 | 14337.5 | 12298.6 | 12332.8 | 12245.9 | 13124.1 | 13477.9 |
| 52.5° | 19448.8 | 19554.3 | 19222.2 | 18418.5 | 16978.5 | 14294.1 | 14287.9 | 13878.2 | 15063.7 | 15597.5 |
| 55°   | 20575.3 | 20612.5 | 20646.7 | 20448.1 | 19635.0 | 16565.7 | 16506.8 | 15836.5 | 17313.7 | 17866.1 |
| 57.5° | 21633.5 | 21649.1 | 21953.2 | 22359.7 | 22400.1 | 19005.0 | 18896.4 | 18092.6 | 19771.5 | 20165.7 |
| 60°   | 22344.2 | 22415.6 | 23058.0 | 24187.6 | 24681.0 | 21521.8 | 21462.9 | 20643.6 | 22272.8 | 22455.9 |
| 62.5° | 21320.1 | 21754.6 | 23374.5 | 25615.2 | 26834.8 | 24311.7 | 24283.8 | 23514.2 | 24904.5 | 24755.5 |
| 65°   | 17257.8 | 17993.3 | 20842.2 | 26580.3 | 28948.2 | 27427.5 | 27467.9 | 26648.6 | 27607.5 | 27123.4 |
| 67.5° | 12072.1 | 12847.9 | 16218.2 | 26657.9 | 31309.8 | 31086.4 | 31319.1 | 30034.3 | 30478.1 | 29391.9 |
| 70°   | 8348.0  | 8748.4  | 10942.5 | 24988.3 | 33150.1 | 36126.2 | 36120.0 | 34192.8 | 33333.2 | 30425.4 |
| 72.5° | 5614.0  | 5821.9  | 7106.7  | 19824.3 | 31797.1 | 39121.0 | 38941.0 | 37370.7 | 34295.3 | 28454.7 |
| 75°   | 2367.9  | 2519.9  | 3289.6  | 11141.1 | 25155.9 | 35791.1 | 35303.9 | 33026.0 | 30471.9 | 22406.3 |
| 77.5° | 751.0   | 816.2   | 1297.2  | 3987.8  | 13856.5 | 26903.1 | 26387.9 | 20624.9 | 20423.2 | 11240.4 |
| 80°   | 356.9   | 415.9   | 729.3   | 1601.3  | 5452.6  | 14632.4 | 14561.0 | 9356.6  | 8785.6  | 3035.1  |
| 82.5° | 155.2   | 183.1   | 403.4   | 856.5   | 2439.2  | 5219.9  | 5325.4  | 3184.1  | 2634.8  | 1151.3  |
| 85°   | 49.7    | 65.2    | 186.2   | 394.1   | 1030.3  | 1297.2  | 1281.7  | 757.2   | 1061.4  | 626.9   |
| 87.5° | 0.0     | 0.0     | 62.1    | 90.0    | 105.5   | 74.5    | 83.8    | 65.2    | 294.8   | 173.8   |
| 90°   | 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):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4980.9  | 0°    | 4980.9  | 4980.9  | 4980.9 | 4980.9 | 4980.9 | 4980.9 | 4980.9 | 4980.9 | 4980.9 | 4980.9 |
| 5043.0  | 2.5°  | 5005.7  | 4956.1  | 4869.2 | 4788.5 | 4717.1 | 4645.7 | 4602.3 | 4540.2 | 4534.0 | 4534.0 |
| 5123.7  | 5°    | 5039.9  | 4959.2  | 4804.0 | 4639.5 | 4450.2 | 4270.2 | 4090.2 | 3916.4 | 3860.6 | 3820.2 |
| 5254.0  | 7.5°  | 5139.2  | 5011.9  | 4766.8 | 4453.3 | 4093.3 | 3699.2 | 3423.0 | 3125.1 | 3010.3 | 2948.2 |
| 5427.8  | 10°   | 5281.9  | 5108.1  | 4735.7 | 4186.4 | 3603.0 | 3066.1 | 2672.0 | 2349.2 | 2225.1 | 2172.4 |
| 5617.1  | 12.5° | 5440.2  | 5226.1  | 4679.9 | 3854.4 | 3066.1 | 2423.7 | 2038.9 | 1889.9 | 1871.3 | 1871.3 |
| 5843.6  | 15°   | 5629.5  | 5368.8  | 4583.7 | 3463.4 | 2504.4 | 1917.9 | 1781.3 | 1787.5 | 1806.2 | 1818.6 |
| 6064.0  | 17.5° | 5825.0  | 5520.9  | 4431.6 | 3025.8 | 2007.9 | 1725.5 | 1728.6 | 1737.9 | 1753.4 | 1765.8 |
| 6302.9  | 20°   | 6036.0  | 5672.9  | 4229.9 | 2560.3 | 1722.4 | 1669.6 | 1678.9 | 1688.2 | 1700.6 | 1706.8 |
| 6526.4  | 22.5° | 6262.6  | 5815.7  | 3990.9 | 2104.1 | 1626.2 | 1623.1 | 1626.2 | 1635.5 | 1651.0 | 1651.0 |
| 6787.1  | 25°   | 6504.6  | 5974.0  | 3717.8 | 1772.0 | 1576.5 | 1576.5 | 1582.7 | 1588.9 | 1601.3 | 1601.3 |
| 7038.4  | 27.5° | 6752.9  | 6119.8  | 3429.2 | 1598.2 | 1533.1 | 1530.0 | 1530.0 | 1539.3 | 1545.5 | 1548.6 |
| 7286.7  | 30°   | 7026.0  | 6290.5  | 3140.6 | 1561.0 | 1498.9 | 1483.4 | 1474.1 | 1480.3 | 1486.5 | 1489.6 |
| 7547.4  | 32.5° | 7305.3  | 6455.0  | 2883.0 | 1576.5 | 1464.8 | 1436.9 | 1405.8 | 1399.6 | 1399.6 | 1412.0 |
| 7817.4  | 35°   | 7615.7  | 6635.0  | 2684.4 | 1629.3 | 1446.2 | 1368.6 | 1318.9 | 1291.0 | 1294.1 | 1312.7 |
| 8140.1  | 37.5° | 7988.1  | 6852.2  | 2538.6 | 1675.8 | 1433.8 | 1291.0 | 1210.3 | 1176.2 | 1154.5 | 1176.2 |
| 8583.9  | 40°   | 8475.3  | 7171.9  | 2433.0 | 1713.1 | 1418.2 | 1201.0 | 1092.4 | 1036.5 | 996.2  | 1008.6 |
| 9272.8  | 42.5° | 9192.2  | 7674.6  | 2392.7 | 1716.2 | 1384.1 | 1095.5 | 971.4  | 896.9  | 837.9  | 841.0  |
| 10309.4 | 45°   | 10197.6 | 8469.1  | 2600.6 | 1675.8 | 1309.6 | 980.7  | 844.1  | 744.8  | 707.6  | 698.3  |
| 11857.9 | 47.5° | 11575.5 | 9626.6  | 3081.6 | 1592.0 | 1201.0 | 868.9  | 720.0  | 636.2  | 608.3  | 592.7  |
| 13890.7 | 50°   | 13422.0 | 11113.1 | 3615.4 | 1498.9 | 1092.4 | 763.4  | 617.6  | 564.8  | 546.2  | 530.7  |
| 16302.0 | 52.5° | 15563.4 | 12621.4 | 4053.0 | 1405.8 | 983.8  | 670.3  | 552.4  | 521.4  | 505.8  | 493.4  |
| 18629.5 | 55°   | 17527.8 | 13661.0 | 4028.2 | 1306.5 | 878.3  | 595.8  | 505.8  | 487.2  | 468.6  | 456.2  |
| 20634.3 | 57.5° | 18750.5 | 13806.9 | 3320.6 | 1197.9 | 757.2  | 536.9  | 462.4  | 450.0  | 428.3  | 412.7  |
| 22369.0 | 60°   | 19312.2 | 12975.2 | 2327.5 | 1055.1 | 636.2  | 481.0  | 415.9  | 409.6  | 381.7  | 360.0  |
| 24010.7 | 62.5° | 19414.6 | 11429.7 | 1551.7 | 878.3  | 530.7  | 428.3  | 369.3  | 360.0  | 322.7  | 285.5  |
| 25345.2 | 65°   | 18998.8 | 9220.1  | 1073.8 | 685.8  | 453.1  | 372.4  | 316.5  | 297.9  | 257.6  | 220.3  |
| 25661.7 | 67.5° | 17683.0 | 6473.6  | 747.9  | 493.4  | 384.8  | 294.8  | 251.4  | 245.2  | 214.1  | 183.1  |
| 24048.0 | 70°   | 15271.6 | 3689.9  | 499.6  | 369.3  | 304.1  | 201.7  | 198.6  | 204.8  | 173.8  | 149.0  |
| 19647.4 | 72.5° | 11709.0 | 1688.2  | 310.3  | 270.0  | 207.9  | 136.5  | 158.3  | 161.4  | 133.4  | 111.7  |
| 12258.3 | 75°   | 6892.6  | 723.1   | 195.5  | 173.8  | 105.5  | 90.0   | 114.8  | 117.9  | 90.0   | 71.4   |
| 4481.3  | 77.5° | 2346.1  | 273.1   | 124.1  | 102.4  | 52.8   | 49.7   | 74.5   | 74.5   | 49.7   | 27.9   |
| 900.0   | 80°   | 533.8   | 102.4   | 62.1   | 40.3   | 24.8   | 21.7   | 24.8   | 21.7   | 12.4   | 3.1    |
| 276.2   | 82.5° | 152.1   | 40.3    | 24.8   | 15.5   | 9.3    | 9.3    | 3.1    | 0.0    | 0.0    | 0.0    |
| 96.2    | 85°   | 43.4    | 18.6    | 6.2    | 6.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 34.1    | 87.5° | 18.6    | 3.1     | 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    |

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| 180°   |
|--------|
| 4980.9 |
| 4549.5 |
| 3838.9 |
| 2957.5 |
| 2172.4 |
| 1871.3 |
| 1818.6 |
| 1765.8 |
| 1710.0 |
| 1657.2 |
| 1604.4 |
| 1551.7 |
| 1495.8 |
| 1421.3 |
| 1322.0 |
| 1170.0 |
| 1002.4 |
| 828.6  |
| 685.8  |
| 583.4  |
| 527.6  |
| 490.3  |
| 450.0  |
| 409.6  |
| 353.8  |
| 266.9  |
| 207.9  |
| 173.8  |
| 136.5  |
| 99.3   |
| 62.1   |
| 21.7   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |