

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: P956240

Luminaire Tested: **GLAN-SB8D-950-U-SL3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956240  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8D-950-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 46097 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

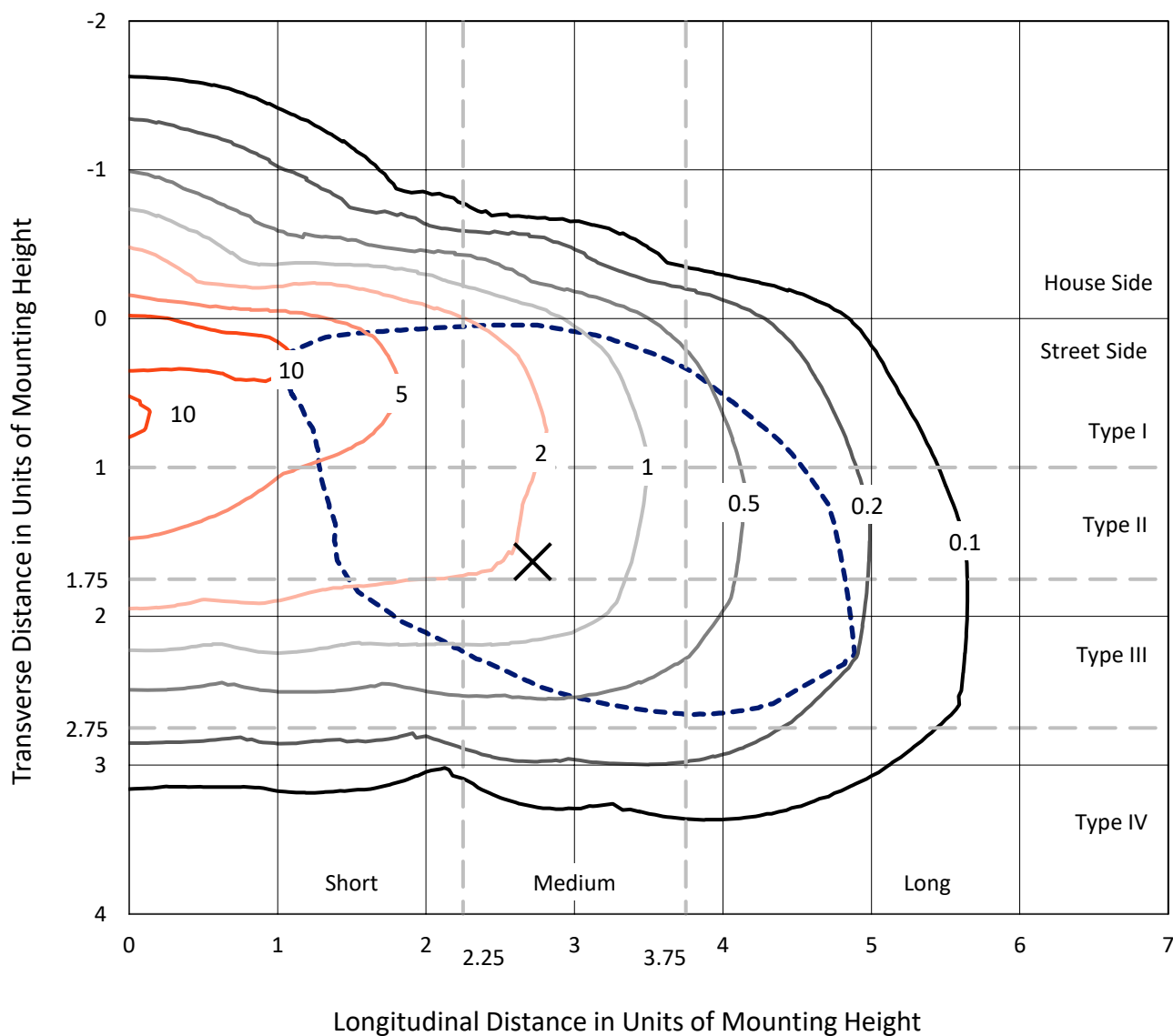
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

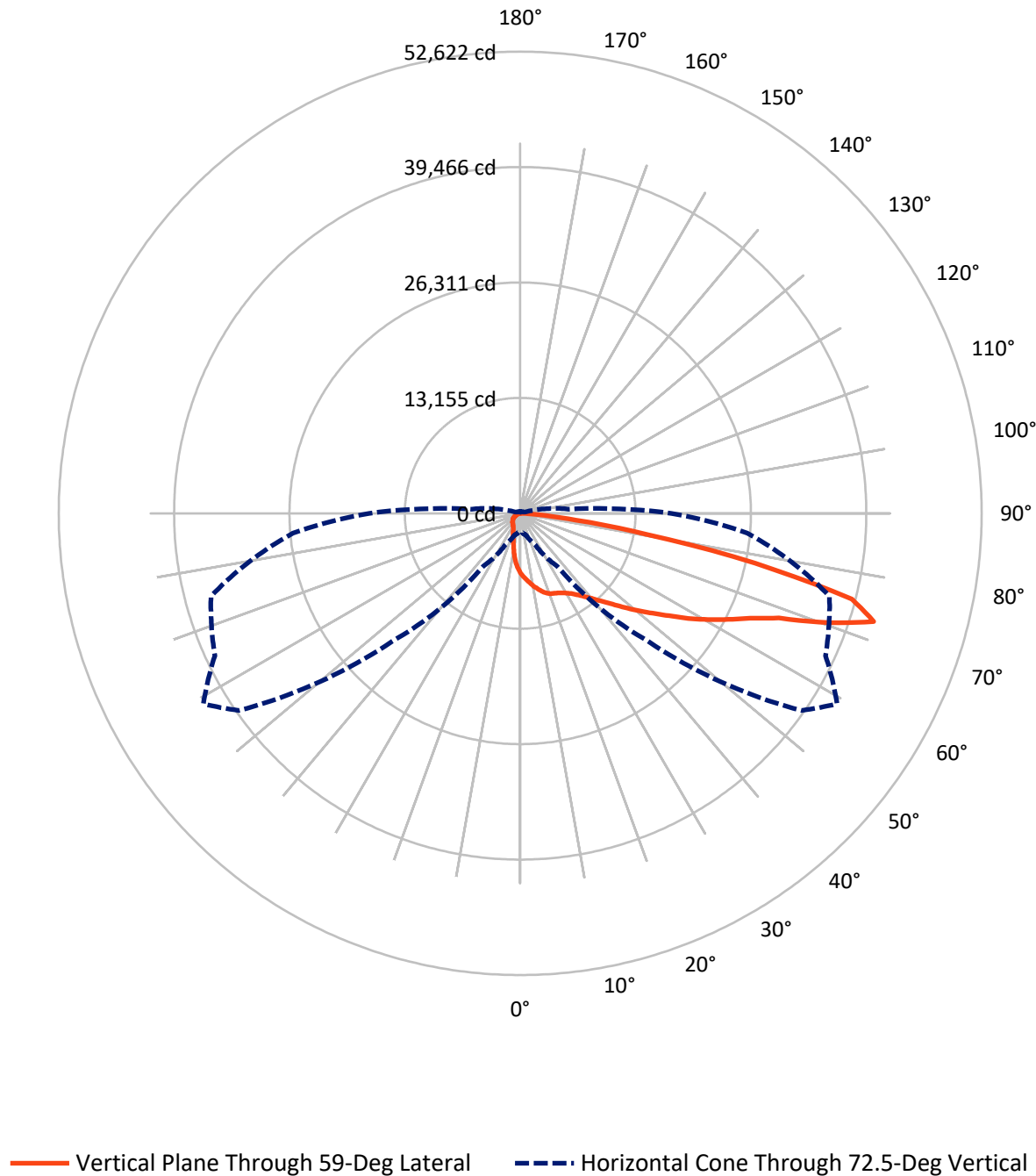
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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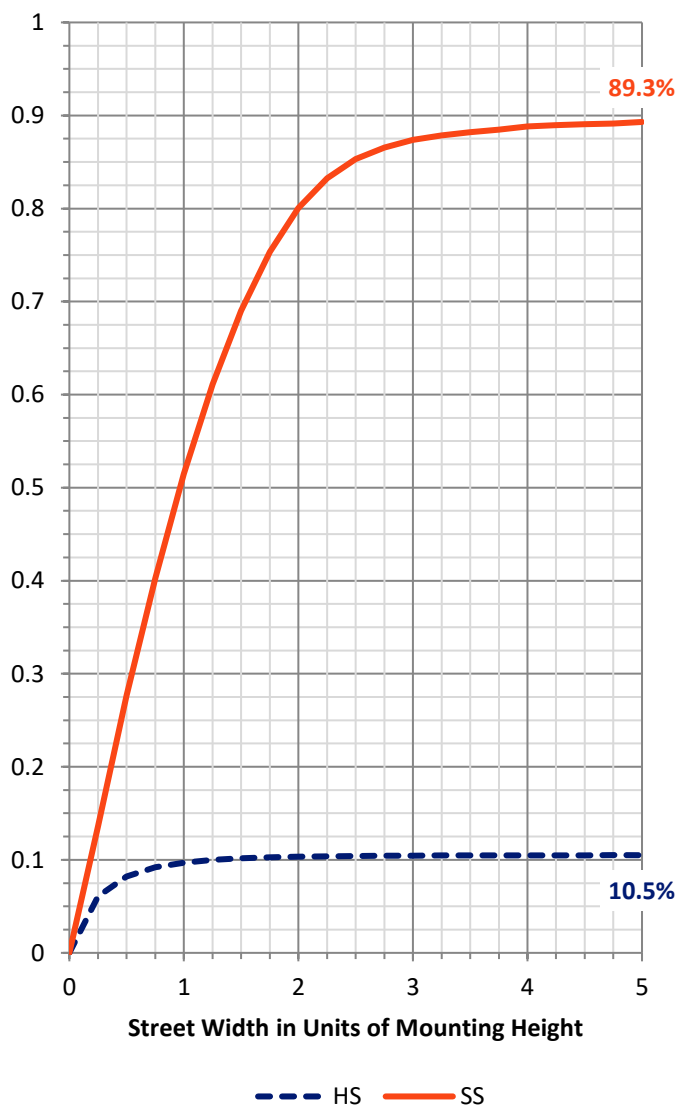
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4868.8   | 0.0    | 4868.8  |
|                    | % Fixture | 10.6     | 0.0    | 10.6    |
| <b>Street Side</b> | Lumens    | 41228.2  | 0.0    | 41228.2 |
|                    | % Fixture | 89.4     | 0.0    | 89.4    |
| <b>Total</b>       | Lumens    | 46097.0  | 0.0    | 46097.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 616.7   | 1.3       |
| 10°-20°   | 1638.1  | 3.6       |
| 20°-30°   | 2596.2  | 5.6       |
| 30°-40°   | 4166.4  | 9.0       |
| 40°-50°   | 6654.5  | 14.4      |
| 50°-60°   | 9634.9  | 20.9      |
| 60°-70°   | 11434.2 | 24.8      |
| 70°-80°   | 8488.2  | 18.4      |
| 80°-90°   | 867.8   | 1.9       |
| 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°    | 46097.0 | 100.0     |
| 0°-180°   | 46097.0 | 100.0     |

**Coefficient of Utilization**



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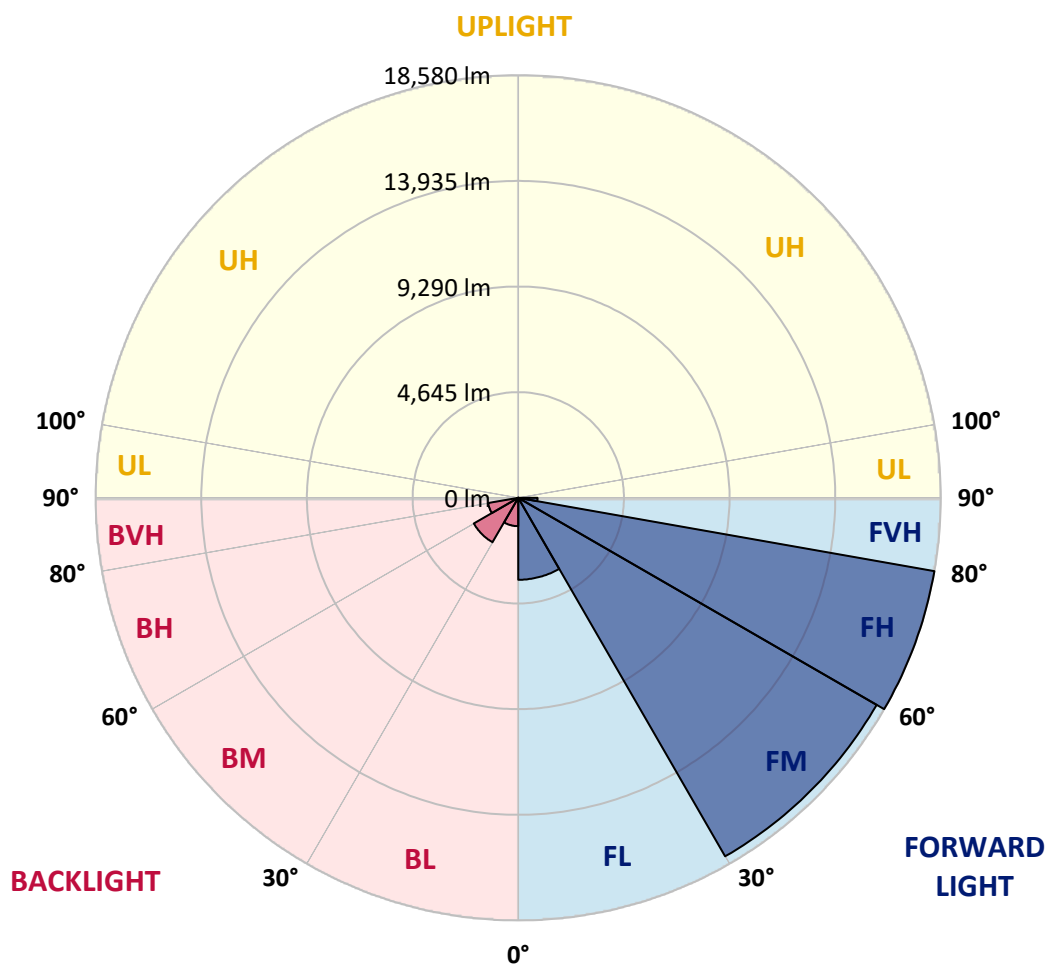
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3603.8  | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 18198.4 | 39.5      |                         |      |         |
| FH   | (60°-80°)   | 18579.7 | 40.3      |                         |      | G5      |
| FVH  | (80°-90°)   | 846.3   | 1.8       |                         |      | G5      |
| BL   | (0°-30°)    | 1247.3  | 2.7       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2257.3  | 4.9       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1342.7  | 2.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 21.6    | 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-G5**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 59°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6816.6  | 6816.6  | 6816.6  | 6816.6  | 6816.6  | 6816.6  | 6816.6  | 6816.6  | 6816.6  | 6816.6  |
| 2.5°  | 7563.0  | 7520.9  | 7526.9  | 7454.7  | 7403.5  | 7349.3  | 7244.0  | 7229.0  | 7153.7  | 7021.3  |
| 5°    | 8222.1  | 8195.0  | 8170.9  | 8089.7  | 7984.4  | 7851.9  | 7674.4  | 7611.2  | 7472.7  | 7244.0  |
| 7.5°  | 8703.6  | 8670.5  | 8682.6  | 8601.3  | 8517.0  | 8369.6  | 8125.8  | 8008.4  | 7824.9  | 7475.7  |
| 10°   | 8796.9  | 8778.9  | 8857.1  | 8887.2  | 8887.2  | 8793.9  | 8556.2  | 8438.8  | 8170.9  | 7725.5  |
| 12.5° | 8273.3  | 8276.3  | 8471.9  | 8706.7  | 9013.6  | 9100.9  | 8941.4  | 8815.0  | 8550.2  | 7990.4  |
| 15°   | 7662.3  | 7665.3  | 7854.9  | 8155.9  | 8658.5  | 9161.1  | 9287.5  | 9206.2  | 8932.4  | 8276.3  |
| 17.5° | 7295.2  | 7280.1  | 7406.5  | 7653.3  | 8180.0  | 8887.2  | 9498.2  | 9552.3  | 9329.6  | 8592.3  |
| 20°   | 7244.0  | 7216.9  | 7283.1  | 7406.5  | 7782.7  | 8544.1  | 9522.2  | 9778.1  | 9738.9  | 8950.4  |
| 22.5° | 7557.0  | 7514.9  | 7478.8  | 7484.8  | 7644.3  | 8258.2  | 9462.0  | 9904.5  | 10160.3 | 9380.8  |
| 25°   | 8177.0  | 8110.8  | 7993.4  | 7842.9  | 7809.8  | 8198.0  | 9419.9  | 10042.9 | 10551.5 | 9931.5  |
| 27.5° | 8935.4  | 8842.1  | 8616.4  | 8390.6  | 8198.0  | 8366.6  | 9507.2  | 10262.6 | 10993.9 | 10572.6 |
| 30°   | 9769.0  | 9654.7  | 9428.9  | 9001.6  | 8694.6  | 8742.8  | 9714.9  | 10551.5 | 11559.7 | 11297.9 |
| 32.5° | 10993.9 | 10729.1 | 10334.8 | 9681.7  | 9275.5  | 9149.1  | 10027.8 | 10918.7 | 12260.9 | 12263.9 |
| 35°   | 12044.3 | 11896.8 | 11499.5 | 10686.9 | 9853.3  | 9687.8  | 10440.2 | 11436.3 | 13233.0 | 13543.0 |
| 37.5° | 12733.4 | 12531.8 | 12182.7 | 11571.7 | 10750.1 | 10241.5 | 10990.9 | 12071.3 | 14262.3 | 14999.6 |
| 40°   | 13503.9 | 13305.3 | 12841.8 | 12267.0 | 11791.4 | 11192.5 | 11686.1 | 12802.7 | 15390.9 | 16495.4 |
| 42.5° | 14433.8 | 14175.0 | 13627.3 | 13007.3 | 12510.7 | 12444.5 | 12595.0 | 13714.6 | 16549.6 | 18120.5 |
| 45°   | 15526.3 | 15282.5 | 14653.5 | 13871.1 | 13434.7 | 13317.3 | 13738.6 | 14776.9 | 17840.7 | 19902.2 |
| 47.5° | 16549.6 | 16266.7 | 15589.5 | 14876.2 | 14391.7 | 14021.5 | 14954.5 | 16031.9 | 19303.3 | 21765.1 |
| 50°   | 17419.3 | 17130.4 | 16510.4 | 15749.0 | 15421.0 | 14936.4 | 16149.3 | 17431.4 | 20753.9 | 23658.1 |
| 52.5° | 18015.2 | 17759.4 | 17031.1 | 16513.4 | 16290.7 | 16047.0 | 17548.7 | 18915.1 | 22198.5 | 25391.6 |
| 55°   | 17879.8 | 17651.1 | 17010.0 | 16973.9 | 16958.9 | 17214.7 | 19222.0 | 20597.4 | 23670.2 | 27031.8 |
| 57.5° | 17449.4 | 17190.6 | 16390.1 | 16940.8 | 17473.5 | 18256.0 | 21033.8 | 22586.7 | 25283.3 | 28578.8 |
| 60°   | 16182.4 | 16092.1 | 15604.6 | 16877.6 | 17690.2 | 19276.2 | 23104.4 | 24585.1 | 27028.8 | 29939.1 |
| 62.5° | 13500.9 | 13579.1 | 13576.1 | 17010.0 | 18081.4 | 20437.9 | 24985.3 | 26607.5 | 28735.3 | 31248.2 |
| 65°   | 10109.1 | 10380.0 | 10726.1 | 15818.2 | 18605.1 | 22511.5 | 27233.5 | 28801.5 | 30468.8 | 32771.1 |
| 67.5° | 6792.6  | 7009.3  | 7244.0  | 12977.2 | 17046.1 | 24690.4 | 30968.3 | 31808.0 | 32545.4 | 34459.4 |
| 70°   | 3888.3  | 3957.6  | 4285.6  | 8104.7  | 13139.7 | 24088.5 | 37050.7 | 37354.6 | 35642.2 | 36539.0 |
| 72.5° | 2178.9  | 2154.8  | 2588.2  | 3846.2  | 7343.3  | 20627.5 | 39181.4 | 42145.8 | 38414.0 | 36505.9 |
| 75°   | 1456.6  | 1459.6  | 1781.7  | 2425.7  | 2862.1  | 14439.9 | 33764.2 | 39079.1 | 36752.7 | 32370.8 |
| 77.5° | 993.2   | 1026.3  | 1309.2  | 1875.0  | 1324.2  | 7045.4  | 22336.9 | 27374.9 | 29755.5 | 24997.4 |
| 80°   | 430.4   | 433.4   | 863.7   | 1345.3  | 893.8   | 2242.1  | 11580.8 | 14665.6 | 18662.3 | 14036.6 |
| 82.5° | 222.7   | 252.8   | 550.7   | 869.8   | 562.8   | 785.5   | 5471.4  | 6407.3  | 7830.9  | 4120.1  |
| 85°   | 78.2    | 93.3    | 340.1   | 427.4   | 282.9   | 279.9   | 1905.1  | 1941.2  | 1658.3  | 620.0   |
| 87.5° | 0.0     | 15.0    | 132.4   | 105.3   | 36.1    | 33.1    | 225.7   | 189.6   | 150.5   | 87.3    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6816.6  | 0°    | 6816.6  | 6816.6 | 6816.6 | 6816.6 | 6816.6 | 6816.6 | 6816.6 | 6816.6 | 6816.6 | 6816.6 |
| 6885.9  | 2.5°  | 6822.7  | 6741.4 | 6609.0 | 6446.5 | 6256.9 | 6154.5 | 6007.1 | 5916.8 | 5835.5 | 5838.5 |
| 6979.2  | 5°    | 6831.7  | 6696.3 | 6359.2 | 6001.1 | 5603.8 | 5311.9 | 4986.8 | 4758.1 | 4583.6 | 4541.4 |
| 7075.5  | 7.5°  | 6858.8  | 6630.1 | 6079.3 | 5483.4 | 4821.3 | 4330.8 | 3882.3 | 3599.4 | 3439.9 | 3397.8 |
| 7174.8  | 10°   | 6894.9  | 6557.8 | 5763.3 | 4851.4 | 4029.8 | 3439.9 | 3066.7 | 2886.2 | 2813.9 | 2759.8 |
| 7301.2  | 12.5° | 6925.0  | 6482.6 | 5366.0 | 4198.3 | 3325.6 | 2865.1 | 2582.2 | 2431.7 | 2368.5 | 2329.4 |
| 7448.7  | 15°   | 6976.2  | 6383.3 | 4935.7 | 3590.4 | 2850.1 | 2473.9 | 2206.0 | 2094.7 | 2076.6 | 2082.6 |
| 7611.2  | 17.5° | 7027.3  | 6287.0 | 4454.1 | 3114.9 | 2500.9 | 2130.8 | 1968.3 | 1950.2 | 1974.3 | 1998.3 |
| 7797.8  | 20°   | 7084.5  | 6148.5 | 3966.6 | 2756.8 | 2178.9 | 1893.0 | 1850.9 | 1862.9 | 1875.0 | 1917.1 |
| 8053.6  | 22.5° | 7168.8  | 5974.0 | 3539.2 | 2452.8 | 1911.1 | 1778.6 | 1757.6 | 1766.6 | 1775.6 | 1817.8 |
| 8390.6  | 25°   | 7289.1  | 5787.4 | 3193.1 | 2172.9 | 1742.5 | 1685.4 | 1664.3 | 1664.3 | 1676.3 | 1715.4 |
| 8781.9  | 27.5° | 7415.6  | 5522.5 | 2913.3 | 1914.1 | 1643.2 | 1583.0 | 1546.9 | 1546.9 | 1562.0 | 1607.1 |
| 9272.4  | 30°   | 7557.0  | 5281.8 | 2693.6 | 1721.5 | 1559.0 | 1480.7 | 1432.5 | 1420.5 | 1438.6 | 1495.8 |
| 9982.7  | 32.5° | 7812.8  | 5125.3 | 2537.1 | 1631.2 | 1483.7 | 1387.4 | 1321.2 | 1288.1 | 1306.1 | 1372.4 |
| 10975.9 | 35°   | 8201.0  | 5089.2 | 2428.7 | 1586.0 | 1411.5 | 1303.1 | 1209.8 | 1158.7 | 1173.7 | 1242.9 |
| 12200.7 | 37.5° | 8655.5  | 5164.4 | 2323.4 | 1525.8 | 1342.3 | 1221.9 | 1098.5 | 1032.3 | 1056.4 | 1119.6 |
| 13600.2 | 40°   | 9308.6  | 5477.4 | 2242.1 | 1480.7 | 1273.0 | 1125.6 | 987.1  | 920.9  | 960.0  | 1014.2 |
| 15056.8 | 42.5° | 10097.1 | 6034.2 | 2221.1 | 1438.6 | 1188.8 | 1023.2 | 884.8  | 836.7  | 866.8  | 917.9  |
| 16528.5 | 45°   | 11075.2 | 6744.4 | 2317.4 | 1384.4 | 1095.5 | 923.9  | 803.6  | 776.5  | 785.5  | 836.7  |
| 17918.9 | 47.5° | 12125.5 | 7472.7 | 2582.2 | 1336.2 | 1014.2 | 842.7  | 740.4  | 716.3  | 710.3  | 758.4  |
| 19188.9 | 50°   | 13187.9 | 8119.8 | 2895.2 | 1300.1 | 957.0  | 776.5  | 692.2  | 662.1  | 647.1  | 677.2  |
| 20443.9 | 52.5° | 14238.2 | 8634.4 | 3099.8 | 1239.9 | 899.9  | 710.3  | 650.1  | 604.9  | 577.8  | 592.9  |
| 21692.9 | 55°   | 15303.6 | 9085.9 | 3111.9 | 1149.7 | 845.7  | 668.1  | 607.9  | 556.8  | 523.7  | 523.7  |
| 22896.7 | 57.5° | 16299.8 | 9483.1 | 2934.3 | 1029.3 | 770.4  | 629.0  | 550.7  | 508.6  | 472.5  | 460.5  |
| 23965.1 | 60°   | 17181.6 | 9778.1 | 2639.4 | 893.8  | 704.2  | 577.8  | 493.6  | 460.5  | 415.3  | 391.2  |
| 24916.1 | 62.5° | 17967.1 | 9922.5 | 2236.1 | 755.4  | 623.0  | 517.6  | 439.4  | 403.3  | 343.1  | 313.0  |
| 25882.2 | 65°   | 18632.2 | 9775.0 | 1814.8 | 626.0  | 553.8  | 451.4  | 376.2  | 340.1  | 273.9  | 237.8  |
| 26968.6 | 67.5° | 19291.3 | 9100.9 | 1372.4 | 526.7  | 481.5  | 379.2  | 310.0  | 276.9  | 228.7  | 198.6  |
| 27760.2 | 70°   | 19375.5 | 7683.4 | 960.0  | 442.4  | 400.3  | 291.9  | 249.8  | 228.7  | 186.6  | 159.5  |
| 25993.6 | 72.5° | 17247.8 | 5528.6 | 583.9  | 361.1  | 313.0  | 207.7  | 198.6  | 180.6  | 138.4  | 120.4  |
| 21238.4 | 75°   | 13786.8 | 3388.8 | 343.1  | 270.9  | 207.7  | 147.5  | 147.5  | 129.4  | 93.3   | 78.2   |
| 14662.6 | 77.5° | 9528.3  | 1772.6 | 201.6  | 174.6  | 123.4  | 87.3   | 96.3   | 78.2   | 45.1   | 36.1   |
| 5808.4  | 80°   | 3816.1  | 674.1  | 108.3  | 81.3   | 57.2   | 39.1   | 33.1   | 18.1   | 9.0    | 6.0    |
| 1191.8  | 82.5° | 761.4   | 177.6  | 36.1   | 21.1   | 21.1   | 9.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 328.0   | 85°   | 195.6   | 39.1   | 9.0    | 6.0    | 6.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 108.3   | 87.5° | 60.2    | 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    |

(END O



| 180°   |
|--------|
| 6816.6 |
| 5904.8 |
| 4604.6 |
| 3439.9 |
| 2792.9 |
| 2350.5 |
| 2091.6 |
| 2007.4 |
| 1929.1 |
| 1829.8 |
| 1730.5 |
| 1625.2 |
| 1510.8 |
| 1390.4 |
| 1264.0 |
| 1137.6 |
| 1023.2 |
| 926.9  |
| 860.7  |
| 788.5  |
| 689.2  |
| 604.9  |
| 529.7  |
| 463.5  |
| 385.2  |
| 310.0  |
| 237.8  |
| 198.6  |
| 156.5  |
| 117.4  |
| 78.2   |
| 36.1   |
| 9.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |