

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: P951713

Luminaire Tested: **GLAN-SB5D-740-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951713  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5D-740-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 55112 lumens  
Efficiency: N/A  
Efficacy: 151.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 364.9  
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



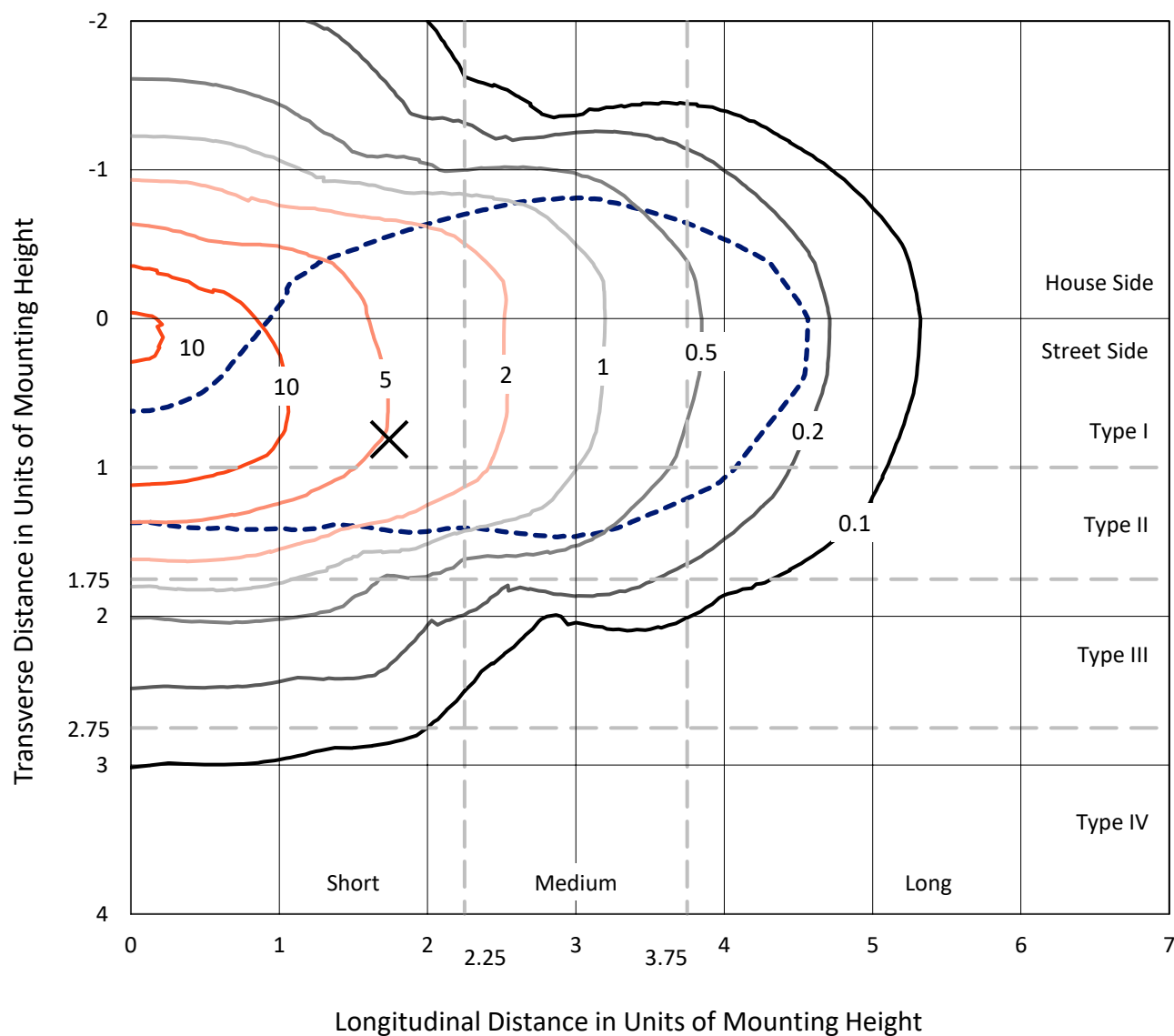
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

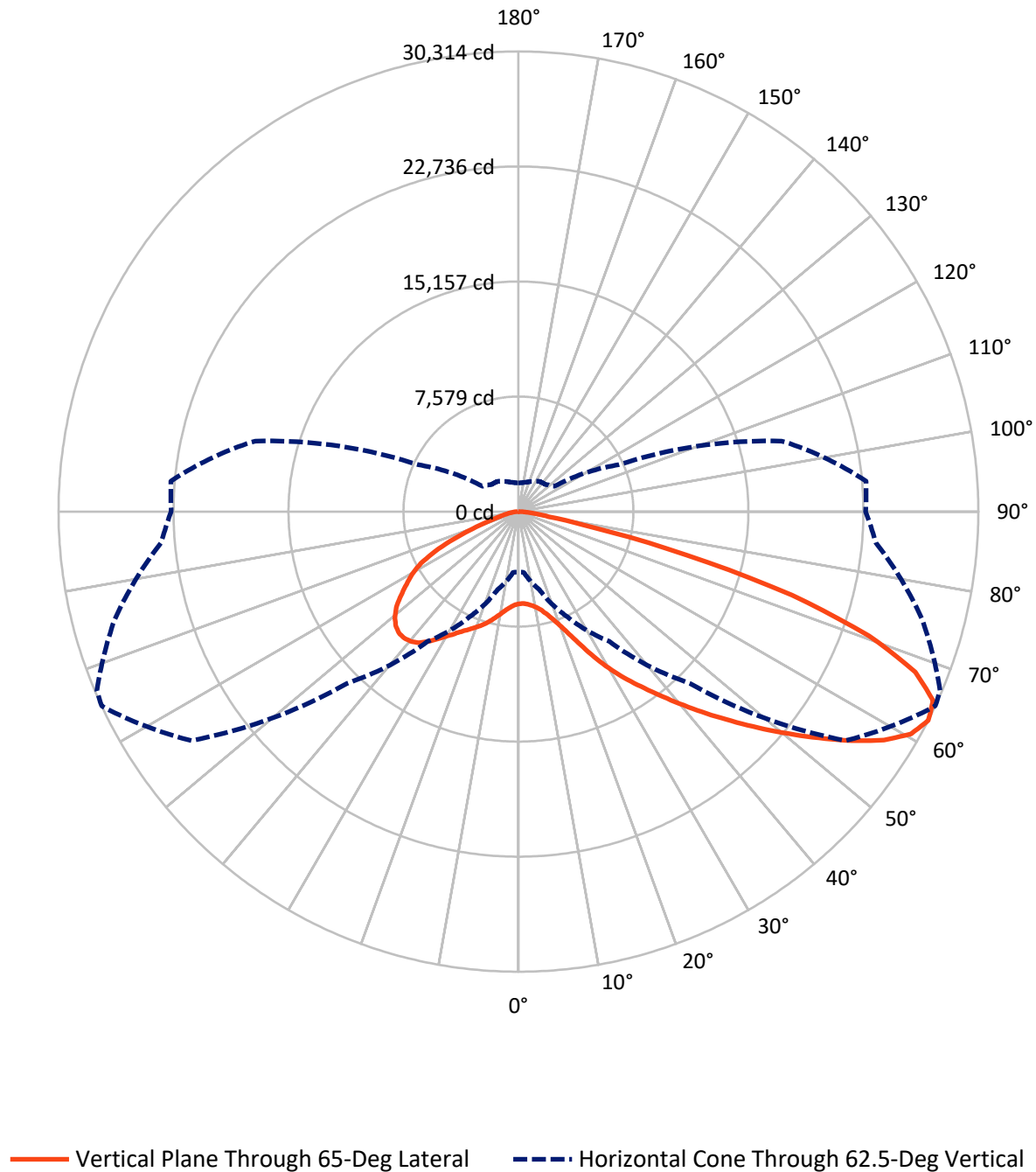


Based on 25 foot mounting height. Maximum calculated value = 15.4 fc

Type II - Short - N/A

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## Luminous Intensity Polar Plot



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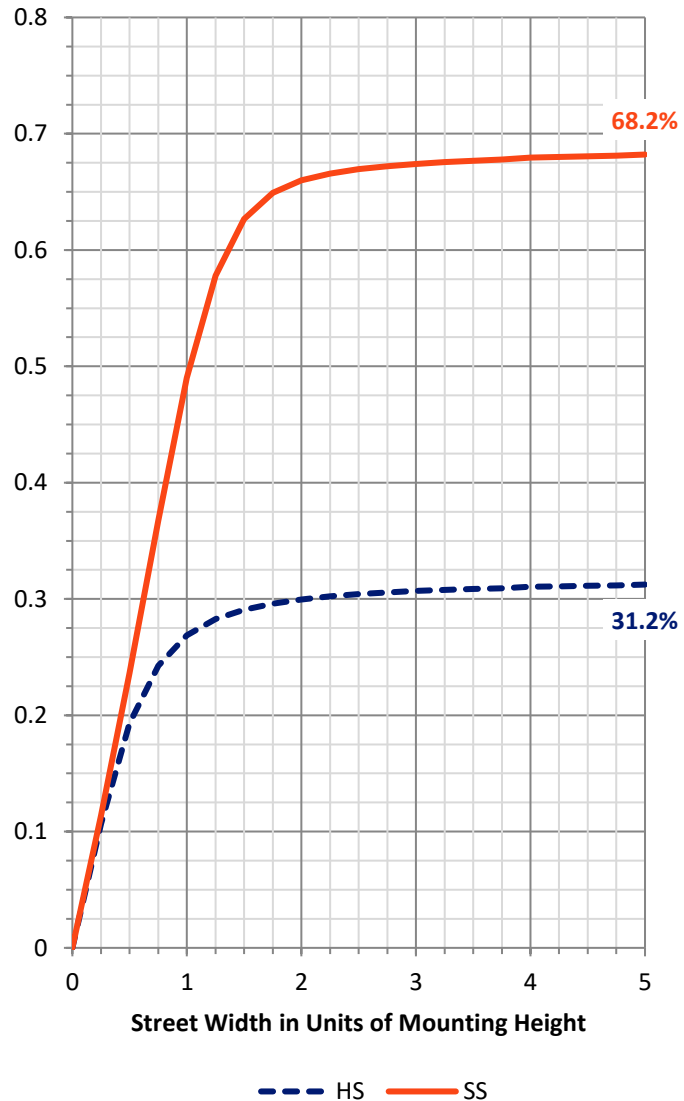
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 17390.9  | 0.0    | 17390.9 |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 37721.1  | 0.0    | 37721.1 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 55112.0  | 0.0    | 55112.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 605.5   | 1.1       |
| 10°-20°   | 2053.2  | 3.7       |
| 20°-30°   | 4163.2  | 7.6       |
| 30°-40°   | 7204.3  | 13.1      |
| 40°-50°   | 10902.3 | 19.8      |
| 50°-60°   | 12782.3 | 23.2      |
| 60°-70°   | 10716.4 | 19.4      |
| 70°-80°   | 5916.3  | 10.7      |
| 80°-90°   | 768.5   | 1.4       |
| 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°    | 55112.0 | 100.0     |
| 0°-180°   | 55112.0 | 100.0     |

**Coefficient of Utilization**



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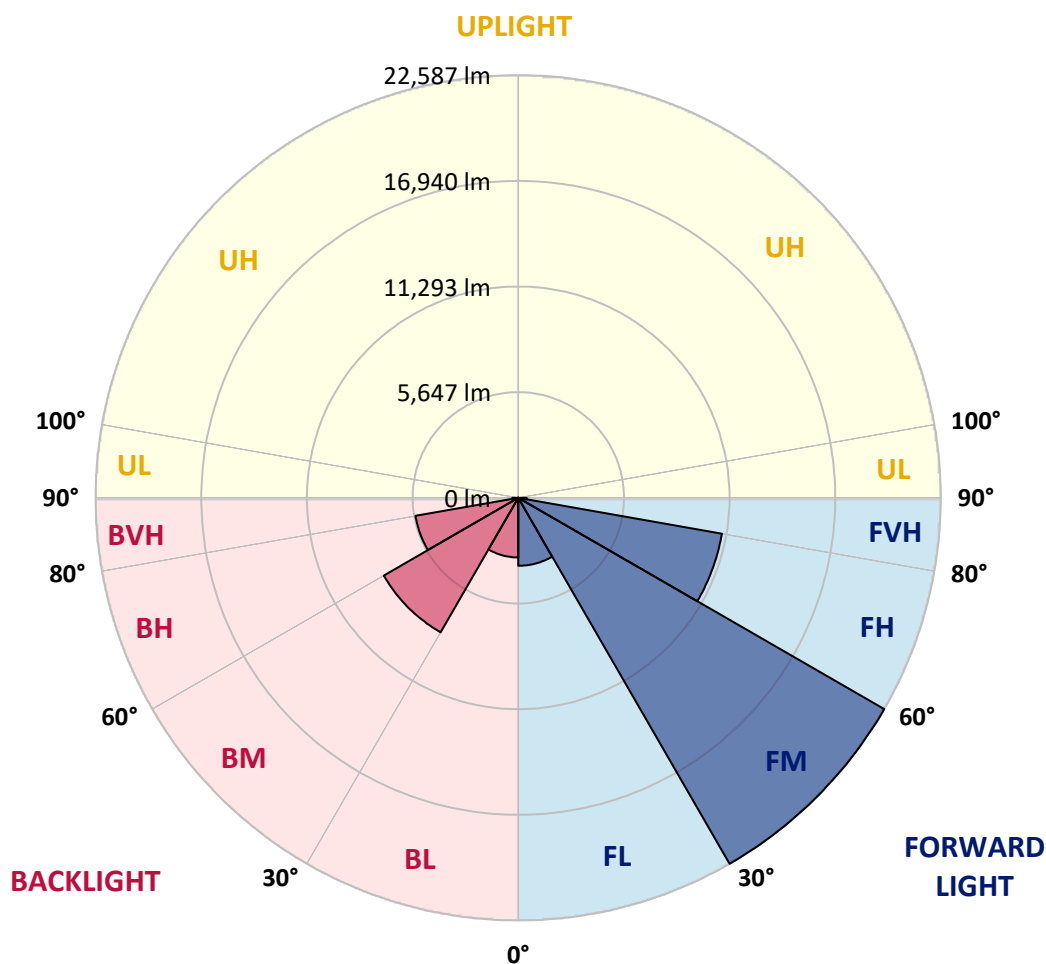
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3632.6  | 6.6       |                         |      |          |
| FM   | (30°-60°)   | 22586.7 | 41.0      |                         |      |          |
| FH   | (60°-80°)   | 11053.9 | 20.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 447.9   | 0.8       |                         |      | G3/500   |
| BL   | (0°-30°)    | 3189.3  | 5.8       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 8302.2  | 15.1      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 5578.9  | 10.1      | B5                      |      | G5       |
| BVH  | (80°-90°)   | 320.6   | 0.6       |                         |      | G3/500   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B5-U0-G5**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 67°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6073.1  | 6073.1  | 6073.1  | 6073.1  | 6073.1  | 6073.1  | 6073.1  | 6073.1  | 6073.1  | 6073.1  |
| 2.5°  | 6033.1  | 6015.9  | 6030.2  | 6030.2  | 6035.9  | 6033.1  | 6053.1  | 6058.8  | 6067.4  | 6084.5  |
| 5°    | 5973.0  | 5970.2  | 5995.9  | 6018.8  | 6041.7  | 6061.7  | 6087.4  | 6124.6  | 6130.3  | 6150.3  |
| 7.5°  | 5953.0  | 5935.9  | 5975.9  | 6004.5  | 6058.8  | 6107.4  | 6176.0  | 6238.9  | 6264.7  | 6273.3  |
| 10°   | 6107.4  | 6078.8  | 6116.0  | 6133.1  | 6178.9  | 6227.5  | 6307.6  | 6407.6  | 6436.2  | 6470.5  |
| 12.5° | 6370.5  | 6339.0  | 6393.3  | 6419.1  | 6462.0  | 6504.9  | 6559.2  | 6656.4  | 6670.7  | 6733.6  |
| 15°   | 6730.7  | 6693.6  | 6727.9  | 6759.3  | 6830.8  | 6870.8  | 6925.2  | 7019.5  | 7019.5  | 7068.1  |
| 17.5° | 7219.7  | 7171.1  | 7196.8  | 7208.2  | 7254.0  | 7314.0  | 7405.5  | 7488.4  | 7531.3  | 7514.2  |
| 20°   | 7948.8  | 7888.7  | 7888.7  | 7831.6  | 7814.4  | 7863.0  | 7983.1  | 8097.5  | 8143.2  | 8054.6  |
| 22.5° | 9043.9  | 8958.1  | 8909.5  | 8715.1  | 8637.9  | 8643.6  | 8763.7  | 8903.8  | 8941.0  | 8783.7  |
| 25°   | 10436.4 | 10302.0 | 10236.2 | 9950.3  | 9775.9  | 9624.3  | 9718.7  | 9898.8  | 9950.3  | 9755.9  |
| 27.5° | 11828.8 | 11837.4 | 11774.5 | 11431.4 | 11142.6 | 10865.3 | 10816.6 | 11005.4 | 11059.7 | 10839.5 |
| 30°   | 13781.7 | 13578.7 | 13458.6 | 13046.9 | 12635.1 | 12246.3 | 12046.1 | 12123.3 | 12137.6 | 11874.6 |
| 32.5° | 15465.8 | 15414.4 | 15157.0 | 14796.8 | 14267.8 | 13658.8 | 13324.2 | 13201.3 | 13178.4 | 12803.8 |
| 35°   | 17384.4 | 17355.8 | 17084.2 | 16655.3 | 16083.4 | 15237.1 | 14633.8 | 14282.1 | 14253.5 | 13727.4 |
| 37.5° | 19334.4 | 19334.4 | 19068.5 | 18599.6 | 18007.7 | 16949.8 | 16032.0 | 15474.4 | 15382.9 | 14696.7 |
| 40°   | 20889.9 | 20795.5 | 20844.1 | 20646.8 | 19969.2 | 18845.5 | 17584.6 | 16775.4 | 16652.4 | 15829.0 |
| 42.5° | 21773.4 | 21741.9 | 22033.6 | 22253.7 | 21976.4 | 21078.6 | 19294.4 | 18185.0 | 18013.4 | 17075.6 |
| 45°   | 21970.7 | 21936.4 | 22456.8 | 23263.1 | 23651.9 | 23283.1 | 21152.9 | 19669.0 | 19460.2 | 18379.4 |
| 47.5° | 21516.1 | 21447.4 | 22210.9 | 23483.2 | 24729.9 | 25378.9 | 23165.9 | 21278.7 | 20975.7 | 19648.9 |
| 50°   | 20149.3 | 20083.6 | 21238.7 | 22928.5 | 25093.0 | 26802.9 | 25350.3 | 22985.7 | 22522.5 | 21010.0 |
| 52.5° | 17178.5 | 17210.0 | 19019.9 | 21341.6 | 24615.5 | 27689.2 | 27231.7 | 24784.2 | 24226.7 | 22402.4 |
| 55°   | 13381.4 | 13450.0 | 15674.6 | 18230.7 | 22705.5 | 27554.8 | 28515.6 | 26637.0 | 26082.3 | 23712.0 |
| 57.5° | 9581.4  | 9884.5  | 11968.9 | 14499.4 | 19037.1 | 25424.7 | 28795.8 | 28398.3 | 27860.8 | 25141.6 |
| 60°   | 6210.3  | 6264.7  | 8409.1  | 10959.6 | 14496.5 | 21639.0 | 28226.8 | 29733.6 | 29313.3 | 26599.8 |
| 62.5° | 3980.1  | 4017.3  | 5324.0  | 7665.7  | 10433.5 | 16009.1 | 26311.1 | 30314.1 | 30185.4 | 27563.4 |
| 65°   | 2925.0  | 2896.4  | 3577.0  | 5066.6  | 7028.1  | 9873.1  | 22591.1 | 30033.8 | 30288.3 | 28166.7 |
| 67.5° | 2441.8  | 2401.8  | 2736.3  | 3508.3  | 5178.1  | 5607.0  | 16715.3 | 28212.5 | 29144.6 | 28098.1 |
| 70°   | 2224.5  | 2190.2  | 2393.2  | 2604.8  | 4040.2  | 3754.2  | 8426.3  | 24526.9 | 25962.2 | 27317.5 |
| 72.5° | 1884.3  | 1824.2  | 2101.6  | 2313.2  | 3142.3  | 2879.3  | 3482.6  | 18839.8 | 20589.7 | 24815.7 |
| 75°   | 1461.1  | 1421.1  | 1658.4  | 2035.8  | 2361.8  | 2247.4  | 2201.6  | 11440.0 | 13350.0 | 19191.5 |
| 77.5° | 1158.0  | 1103.7  | 1321.0  | 1586.9  | 2124.4  | 1695.6  | 1604.1  | 4926.5  | 6819.4  | 12252.0 |
| 80°   | 872.1   | 823.5   | 1003.6  | 1255.2  | 1632.6  | 1278.1  | 1037.9  | 2010.1  | 2570.5  | 6207.5  |
| 82.5° | 620.5   | 577.6   | 700.5   | 920.7   | 1098.0  | 1146.6  | 637.6   | 1126.6  | 1266.7  | 2393.2  |
| 85°   | 397.4   | 371.7   | 468.9   | 577.6   | 697.7   | 737.7   | 388.9   | 589.0   | 646.2   | 986.5   |
| 87.5° | 217.3   | 177.3   | 251.6   | 268.8   | 323.1   | 294.5   | 185.9   | 214.4   | 231.6   | 357.4   |
| 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°   |
|---------|-------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 6073.1  | 0°    | 6073.1  | 6073.1  | 6073.1  | 6073.1  | 6073.1 | 6073.1 | 6073.1 | 6073.1 | 6073.1 | 6073.1 |
| 6084.5  | 2.5°  | 6096.0  | 6104.6  | 6133.1  | 6141.7  | 6161.7 | 6187.5 | 6204.6 | 6221.8 | 6221.8 | 6238.9 |
| 6176.0  | 5°    | 6178.9  | 6198.9  | 6259.0  | 6290.4  | 6341.9 | 6393.3 | 6424.8 | 6462.0 | 6484.8 | 6496.3 |
| 6321.9  | 7.5°  | 6339.0  | 6370.5  | 6456.2  | 6510.6  | 6599.2 | 6670.7 | 6719.3 | 6770.8 | 6782.2 | 6813.7 |
| 6524.9  | 10°   | 6556.3  | 6593.5  | 6690.7  | 6793.6  | 6899.4 | 6988.1 | 7033.8 | 7071.0 | 7085.3 | 7091.0 |
| 6785.1  | 12.5° | 6805.1  | 6859.4  | 6985.2  | 7111.0  | 7222.5 | 7299.7 | 7311.2 | 7302.6 | 7262.6 | 7228.3 |
| 7105.3  | 15°   | 7111.0  | 7159.6  | 7299.7  | 7437.0  | 7545.6 | 7559.9 | 7488.4 | 7442.7 | 7394.1 | 7385.5 |
| 7462.7  | 17.5° | 7477.0  | 7502.7  | 7631.4  | 7765.8  | 7774.4 | 7725.8 | 7620.0 | 7577.1 | 7531.3 | 7499.9 |
| 7928.8  | 20°   | 7903.0  | 7894.5  | 7986.0  | 8043.1  | 7983.1 | 7834.4 | 7674.3 | 7602.8 | 7557.1 | 7519.9 |
| 8500.6  | 22.5° | 8412.0  | 8346.2  | 8334.8  | 8320.5  | 8160.4 | 7848.7 | 7631.4 | 7539.9 | 7468.4 | 7417.0 |
| 9298.4  | 25°   | 9152.5  | 8900.9  | 8726.5  | 8629.3  | 8269.0 | 7771.5 | 7494.2 | 7291.2 | 7156.8 | 7068.1 |
| 10273.4 | 27.5° | 10078.9 | 9655.8  | 9215.4  | 8978.1  | 8269.0 | 7614.3 | 7162.5 | 6833.7 | 6613.5 | 6522.0 |
| 11216.9 | 30°   | 10962.5 | 10519.3 | 9870.2  | 9398.4  | 8249.0 | 7356.9 | 6627.8 | 6170.3 | 5913.0 | 5821.5 |
| 12023.3 | 32.5° | 11717.3 | 11234.1 | 10565.0 | 9858.8  | 8200.4 | 6939.5 | 5964.5 | 5458.4 | 5209.6 | 5100.9 |
| 12821.0 | 35°   | 12417.8 | 11903.2 | 11262.7 | 10364.9 | 8071.7 | 6327.6 | 5235.3 | 4849.3 | 4572.0 | 4397.6 |
| 13633.0 | 37.5° | 13135.5 | 12523.6 | 11923.2 | 10822.4 | 7840.1 | 5612.8 | 4674.9 | 4346.1 | 4020.1 | 3785.7 |
| 14496.5 | 40°   | 13916.1 | 13184.1 | 12629.4 | 11094.0 | 7459.9 | 4932.3 | 4240.3 | 3940.1 | 3594.1 | 3345.4 |
| 15491.6 | 42.5° | 14828.2 | 13976.1 | 13415.7 | 11234.1 | 6939.5 | 4449.0 | 3957.2 | 3662.7 | 3336.8 | 3133.8 |
| 16558.1 | 45°   | 15780.3 | 14848.2 | 14133.4 | 11231.2 | 6359.0 | 4223.2 | 3865.7 | 3574.1 | 3213.8 | 3002.2 |
| 17653.2 | 47.5° | 16778.2 | 15760.3 | 14753.9 | 11048.2 | 5855.8 | 4254.6 | 3814.3 | 3382.5 | 2985.1 | 2779.2 |
| 18759.7 | 50°   | 17779.0 | 16758.2 | 15354.3 | 10705.1 | 5641.4 | 4186.0 | 3622.7 | 3113.8 | 2644.8 | 2459.0 |
| 19797.6 | 52.5° | 18771.2 | 17819.0 | 15871.8 | 10216.2 | 5424.0 | 3931.5 | 3376.8 | 2764.9 | 2504.7 | 2376.1 |
| 20869.9 | 55°   | 19769.0 | 18868.4 | 16435.1 | 9504.2  | 4880.8 | 3634.1 | 2965.1 | 2633.4 | 2393.2 | 2276.0 |
| 21919.2 | 57.5° | 20769.8 | 20080.7 | 16969.8 | 8792.3  | 4197.4 | 3268.2 | 2739.2 | 2473.3 | 2281.7 | 2181.6 |
| 22797.0 | 60°   | 21810.6 | 21467.4 | 17521.6 | 8137.5  | 3522.6 | 2799.2 | 2573.3 | 2344.6 | 2150.2 | 2038.7 |
| 23640.5 | 62.5° | 22882.8 | 22994.3 | 17953.4 | 7294.0  | 2902.2 | 2513.3 | 2424.7 | 2190.2 | 2001.5 | 1895.7 |
| 24338.2 | 65°   | 23963.6 | 24466.8 | 18236.5 | 6124.6  | 2353.2 | 2241.7 | 2264.5 | 2021.5 | 1829.9 | 1738.4 |
| 24850.0 | 67.5° | 24778.5 | 25527.6 | 18156.4 | 4634.9  | 1930.0 | 1984.3 | 2064.4 | 1844.2 | 1664.1 | 1592.6 |
| 24767.1 | 70°   | 24870.0 | 25401.8 | 17367.2 | 3173.8  | 1615.5 | 1732.7 | 1841.4 | 1669.8 | 1484.0 | 1432.5 |
| 23600.5 | 72.5° | 23651.9 | 23686.2 | 15168.5 | 2073.0  | 1366.7 | 1521.1 | 1606.9 | 1492.5 | 1312.4 | 1260.9 |
| 20646.8 | 75°   | 20458.1 | 19588.9 | 11136.9 | 1366.7  | 1143.7 | 1306.7 | 1386.7 | 1306.7 | 1132.3 | 1143.7 |
| 15448.7 | 77.5° | 15500.1 | 13873.2 | 6762.2  | 972.2   | 955.0  | 1098.0 | 1206.6 | 1149.4 | 1000.7 | 1123.7 |
| 7768.7  | 80°   | 7986.0  | 7505.6  | 3016.5  | 726.3   | 754.8  | 877.8  | 992.2  | 917.8  | 792.0  | 754.8  |
| 1735.6  | 82.5° | 1829.9  | 2127.3  | 1189.5  | 520.4   | 546.1  | 631.9  | 757.7  | 689.1  | 569.0  | 480.4  |
| 723.4   | 85°   | 640.5   | 700.5   | 526.1   | 326.0   | 320.2  | 394.6  | 514.7  | 460.3  | 386.0  | 308.8  |
| 305.9   | 87.5° | 203.0   | 265.9   | 197.3   | 131.5   | 137.2  | 177.3  | 237.3  | 217.3  | 180.1  | 117.2  |
| 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°   |
|--------|
| 6073.1 |
| 6238.9 |
| 6502.0 |
| 6802.2 |
| 7076.7 |
| 7228.3 |
| 7385.5 |
| 7502.7 |
| 7522.8 |
| 7434.1 |
| 7102.4 |
| 6567.8 |
| 5875.8 |
| 5155.3 |
| 4454.8 |
| 3848.6 |
| 3394.0 |
| 3173.8 |
| 3036.6 |
| 2807.8 |
| 2470.4 |
| 2376.1 |
| 2264.5 |
| 2164.5 |
| 2030.1 |
| 1892.8 |
| 1735.6 |
| 1595.5 |
| 1435.4 |
| 1258.1 |
| 1103.7 |
| 989.3  |
| 689.1  |
| 474.6  |
| 326.0  |
| 122.9  |
| 0.0    |