

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: P952729

Luminaire Tested: **GLAN-SB6C-730-U-AFL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952729  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-730-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 46188 lumens  
Efficiency: N/A  
Efficacy: 153.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G3

Input Watts (W): 300.9  
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

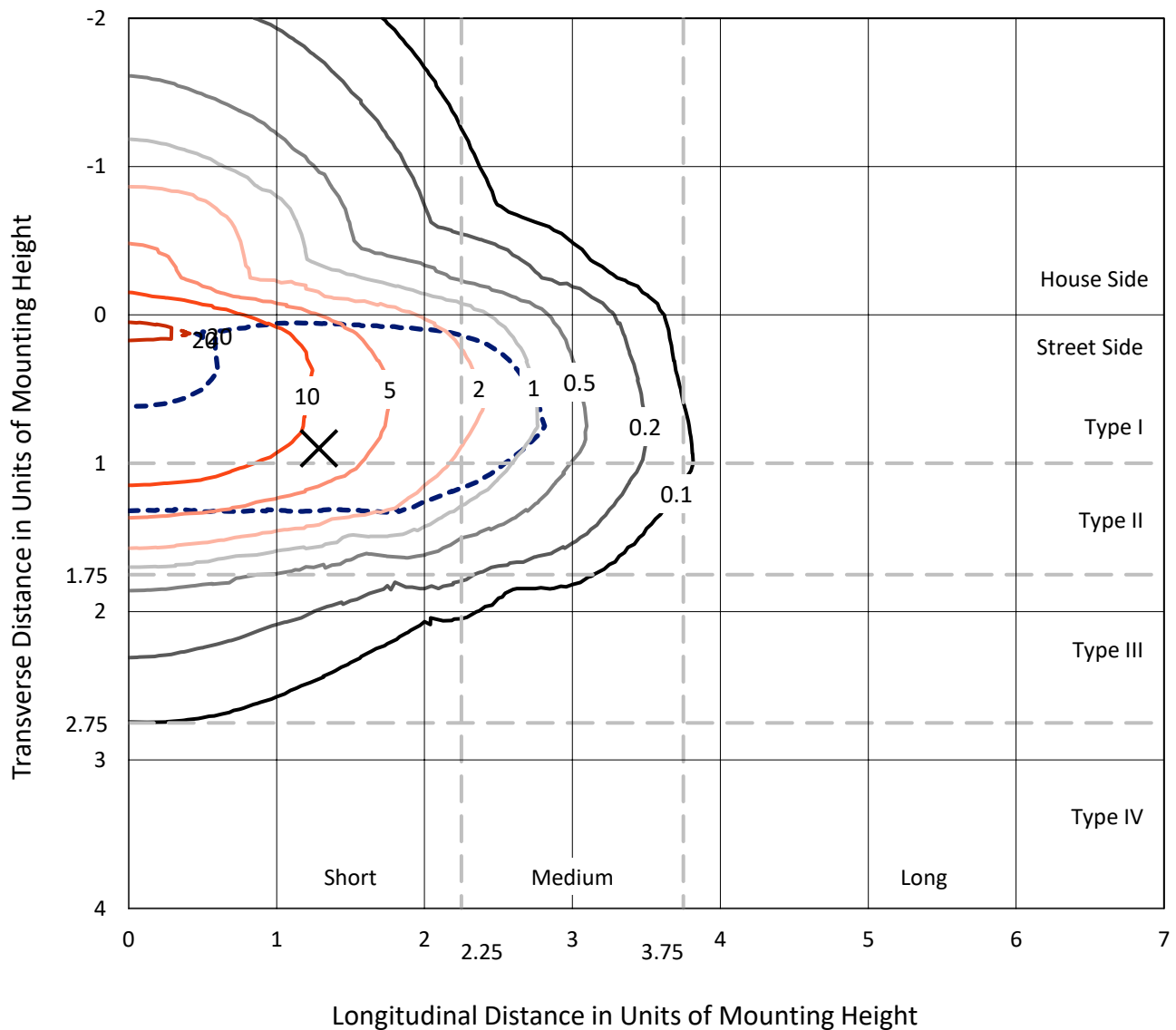


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

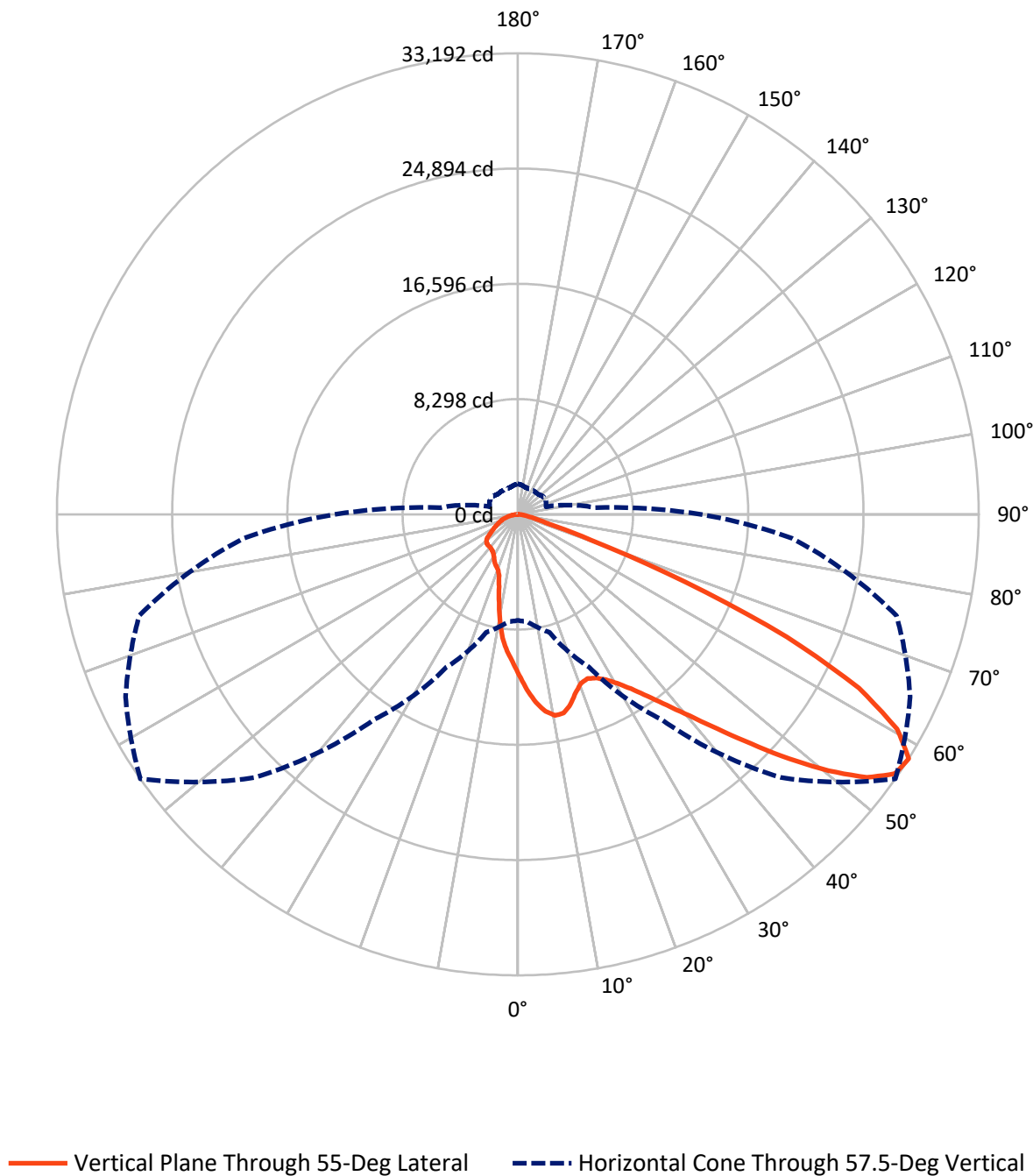


Based on 25 foot mounting height. Maximum calculated value = 22.4 fc  
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8357.5   | 0.0    | 8357.5  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 37830.5  | 0.0    | 37830.5 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 46188.0  | 0.0    | 46188.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1073.9  | 2.3       |
| 10°-20°   | 2710.6  | 5.9       |
| 20°-30°   | 4325.4  | 9.4       |
| 30°-40°   | 6848.2  | 14.8      |
| 40°-50°   | 10481.8 | 22.7      |
| 50°-60°   | 11227.0 | 24.3      |
| 60°-70°   | 7063.0  | 15.3      |
| 70°-80°   | 2088.7  | 4.5       |
| 80°-90°   | 369.3   | 0.8       |
| 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°    | 46188.0 | 100.0     |
| 0°-180°   | 46188.0 | 100.0     |

**Coefficient of Utilization**



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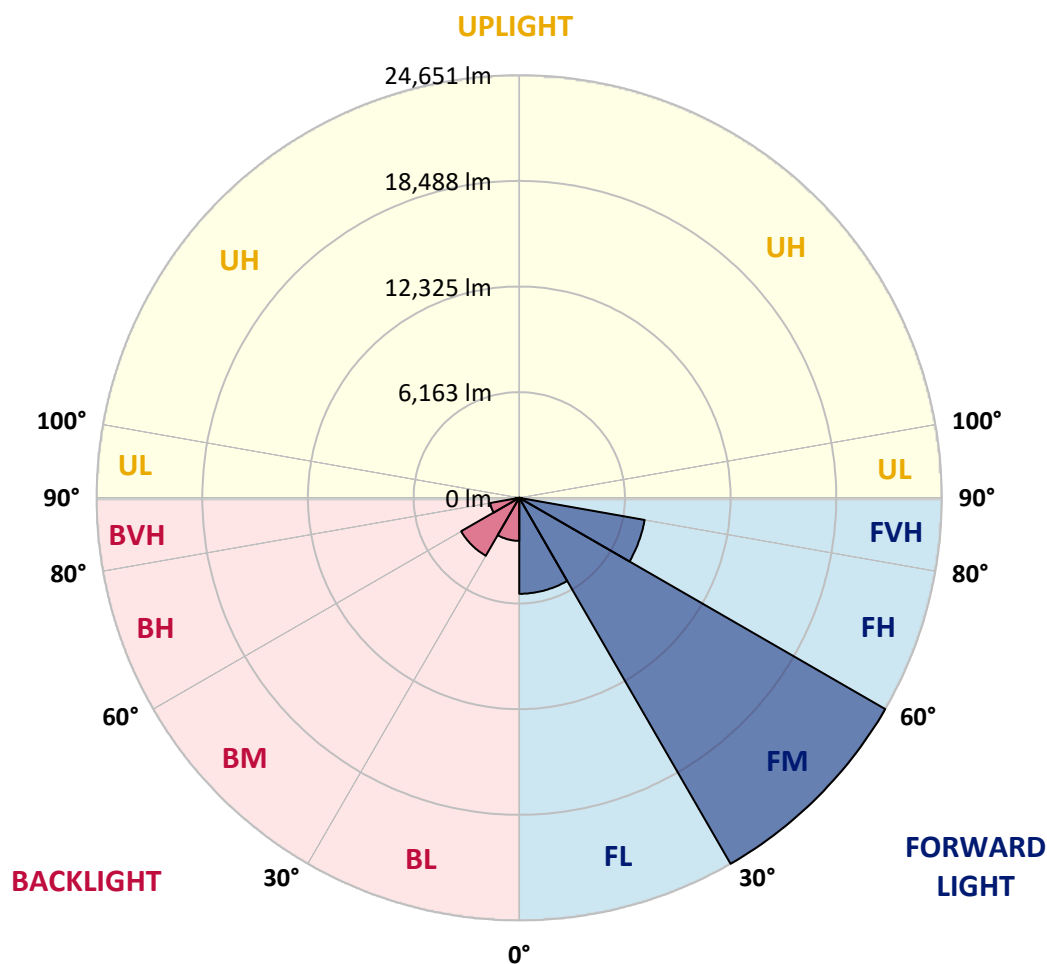
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 5598.0  | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 24650.9 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 7425.6  | 16.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 156.0   | 0.3       |                         |      | G2/225  |
| BL   | (0°-30°)    | 2512.0  | 5.4       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 3906.2  | 8.5       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1726.0  | 3.7       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 213.3   | 0.5       |                         |      | 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°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 11573.2 | 11573.2 | 11573.2 | 11573.2 | 11573.2 | 11573.2 | 11573.2 | 11573.2 | 11573.2 | 11573.2 |
| 2.5°  | 13278.0 | 13268.5 | 13321.0 | 13141.9 | 13020.2 | 12855.4 | 12638.1 | 12361.2 | 12062.7 | 11747.5 |
| 5°    | 14474.3 | 14390.7 | 14445.6 | 14311.9 | 14178.2 | 13929.9 | 13607.5 | 13156.3 | 12604.7 | 11976.7 |
| 7.5°  | 14285.6 | 14228.3 | 14369.2 | 14488.6 | 14588.9 | 14557.8 | 14321.5 | 13848.7 | 13137.2 | 12225.1 |
| 10°   | 12764.7 | 12700.2 | 12898.4 | 13311.5 | 13917.9 | 14445.6 | 14732.1 | 14438.5 | 13681.6 | 12497.3 |
| 12.5° | 11422.8 | 11391.7 | 11523.1 | 11857.4 | 12530.7 | 13543.1 | 14679.6 | 14954.2 | 14247.4 | 12819.6 |
| 15°   | 10849.7 | 10811.5 | 10895.1 | 11064.6 | 11494.4 | 12437.6 | 14202.1 | 15307.6 | 14803.8 | 13192.1 |
| 17.5° | 10723.2 | 10680.2 | 10716.0 | 10804.4 | 11081.3 | 11800.0 | 13481.0 | 15481.9 | 15384.0 | 13607.5 |
| 20°   | 10957.2 | 10921.4 | 10926.1 | 10921.4 | 11114.8 | 11685.4 | 12979.6 | 15415.0 | 15890.2 | 13989.6 |
| 22.5° | 11523.1 | 11463.4 | 11465.8 | 11339.2 | 11444.3 | 11886.0 | 12848.2 | 15236.0 | 16341.5 | 14323.9 |
| 25°   | 12444.7 | 12337.3 | 12358.8 | 12036.4 | 12007.8 | 12334.9 | 13053.6 | 15097.5 | 16790.4 | 14591.3 |
| 27.5° | 13705.4 | 13583.7 | 13519.2 | 13039.3 | 12810.0 | 12972.4 | 13471.4 | 15145.2 | 17215.4 | 14822.9 |
| 30°   | 15281.3 | 15133.3 | 15002.0 | 14321.5 | 13906.0 | 13846.3 | 14120.9 | 15460.4 | 17716.8 | 15066.4 |
| 32.5° | 17213.0 | 17041.1 | 16802.3 | 15899.7 | 15314.7 | 15002.0 | 14961.4 | 16021.5 | 18304.2 | 15376.8 |
| 35°   | 19512.3 | 19287.9 | 18948.8 | 17781.3 | 17041.1 | 16401.2 | 16069.3 | 16830.9 | 19108.8 | 15844.8 |
| 37.5° | 21880.9 | 21627.8 | 21317.4 | 19927.8 | 19018.1 | 18074.9 | 17420.7 | 17929.3 | 20180.9 | 16480.0 |
| 40°   | 24065.7 | 23781.6 | 23492.6 | 22255.8 | 21279.2 | 20142.7 | 19075.4 | 19318.9 | 21491.7 | 17239.2 |
| 42.5° | 25355.1 | 25144.9 | 25035.1 | 24366.5 | 23612.0 | 22458.8 | 21133.6 | 20966.5 | 22965.0 | 18113.1 |
| 45°   | 25297.8 | 25211.8 | 25550.8 | 25827.8 | 25648.7 | 25008.8 | 23545.2 | 22788.3 | 24443.0 | 18870.0 |
| 47.5° | 23946.3 | 24003.6 | 24760.5 | 26317.3 | 27002.6 | 27336.9 | 26291.0 | 24576.7 | 25727.5 | 19435.9 |
| 50°   | 20269.2 | 20317.0 | 22069.6 | 25426.7 | 27351.2 | 29235.1 | 29015.4 | 26322.1 | 26723.2 | 19782.1 |
| 52.5° | 17358.6 | 17389.7 | 18141.8 | 22785.9 | 26200.3 | 30190.2 | 31470.0 | 27967.2 | 27451.5 | 19877.7 |
| 55°   | 13075.1 | 13182.5 | 14025.4 | 17876.8 | 23206.1 | 29433.3 | 32964.7 | 29662.5 | 27912.3 | 19887.2 |
| 57.5° | 7638.3  | 7755.3  | 8796.3  | 12134.3 | 18036.7 | 26794.8 | 33191.5 | 31166.7 | 28225.1 | 19810.8 |
| 60°   | 3741.5  | 3791.7  | 4245.3  | 6377.6  | 11121.9 | 21711.4 | 31367.3 | 31895.0 | 28399.4 | 19770.2 |
| 62.5° | 2521.4  | 2514.3  | 2533.4  | 3147.0  | 5479.8  | 13949.0 | 27566.1 | 30619.9 | 28306.3 | 19615.0 |
| 65°   | 2168.0  | 2141.8  | 2070.1  | 2208.6  | 2839.0  | 6380.0  | 21298.3 | 26813.9 | 27597.1 | 19225.8 |
| 67.5° | 1874.3  | 1876.7  | 1879.1  | 1836.1  | 2027.2  | 2944.0  | 13015.4 | 21121.7 | 25051.8 | 17382.5 |
| 70°   | 1552.0  | 1573.5  | 1583.0  | 1583.0  | 1652.3  | 1931.7  | 5556.2  | 14476.7 | 19760.7 | 13629.0 |
| 72.5° | 1413.5  | 1368.2  | 1372.9  | 1349.1  | 1349.1  | 1470.8  | 2237.3  | 8206.5  | 12449.5 | 7666.9  |
| 75°   | 1153.3  | 1181.9  | 1186.7  | 1170.0  | 1115.1  | 1122.2  | 1327.6  | 3443.1  | 5327.0  | 3180.4  |
| 77.5° | 995.7   | 995.7   | 1005.2  | 993.3   | 950.3   | 840.5   | 885.8   | 1334.7  | 1812.3  | 1303.7  |
| 80°   | 799.9   | 797.5   | 838.1   | 862.0   | 795.1   | 620.8   | 565.9   | 737.8   | 804.7   | 573.0   |
| 82.5° | 389.2   | 413.1   | 575.4   | 656.6   | 604.1   | 448.9   | 346.2   | 458.4   | 429.8   | 253.1   |
| 85°   | 226.8   | 214.9   | 257.9   | 365.3   | 346.2   | 248.3   | 167.1   | 238.8   | 224.4   | 128.9   |
| 87.5° | 71.6    | 66.9    | 52.5    | 124.2   | 100.3   | 69.2    | 45.4    | 69.2    | 62.1    | 28.7    |
| 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):**

| 90°     |       | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11573.2 | 0°    | 11573.2 | 11573.2 | 11573.2 | 11573.2 | 11573.2 | 11573.2 | 11573.2 | 11573.2 | 11573.2 | 11573.2 |
| 11611.4 | 2.5°  | 11441.9 | 11160.1 | 10880.8 | 10625.3 | 10470.1 | 10369.8 | 10269.5 | 10157.3 | 10114.3 | 10049.9 |
| 11642.5 | 5°    | 11327.3 | 10782.9 | 10298.2 | 9880.3  | 9500.7  | 9202.2  | 8901.4  | 8657.8  | 8548.0  | 8622.0  |
| 11740.4 | 7.5°  | 11260.4 | 10472.5 | 9725.1  | 8958.7  | 8220.9  | 7631.1  | 7117.8  | 6757.2  | 6594.8  | 6635.4  |
| 11835.9 | 10°   | 11200.7 | 10121.5 | 8982.6  | 7772.0  | 6711.8  | 5981.2  | 5455.9  | 5181.3  | 5078.7  | 5100.1  |
| 11964.8 | 12.5° | 11145.8 | 9727.5  | 8087.2  | 6494.6  | 5367.6  | 4885.2  | 4734.8  | 4737.2  | 4756.3  | 4770.6  |
| 12170.1 | 15°   | 11136.3 | 9252.4  | 7086.7  | 5377.1  | 4641.7  | 4610.7  | 4773.0  | 4875.7  | 4930.6  | 4947.3  |
| 12342.1 | 17.5° | 11121.9 | 8684.1  | 6067.2  | 4615.4  | 4465.0  | 4675.1  | 4825.6  | 4892.4  | 4935.4  | 4937.8  |
| 12509.2 | 20°   | 11064.6 | 7963.0  | 5126.4  | 4252.5  | 4426.8  | 4608.3  | 4701.4  | 4753.9  | 4789.7  | 4801.7  |
| 12635.7 | 22.5° | 10887.9 | 7160.7  | 4393.4  | 4090.1  | 4274.0  | 4419.6  | 4529.5  | 4589.2  | 4610.7  | 4625.0  |
| 12659.6 | 25°   | 10570.4 | 6263.0  | 3887.2  | 3934.9  | 4061.5  | 4245.3  | 4333.7  | 4345.6  | 4338.5  | 4360.0  |
| 12599.9 | 27.5° | 10154.9 | 5300.7  | 3572.0  | 3724.8  | 3887.2  | 4044.8  | 4092.5  | 4085.4  | 4071.0  | 4094.9  |
| 12497.3 | 30°   | 9653.5  | 4436.4  | 3371.4  | 3488.4  | 3710.5  | 3853.8  | 3896.7  | 3880.0  | 3851.4  | 3877.6  |
| 12444.7 | 32.5° | 9123.4  | 3729.6  | 3206.7  | 3323.7  | 3564.8  | 3705.7  | 3748.7  | 3732.0  | 3710.5  | 3732.0  |
| 12504.4 | 35°   | 8629.2  | 3235.3  | 3053.9  | 3213.9  | 3450.2  | 3588.7  | 3643.6  | 3646.0  | 3646.0  | 3672.3  |
| 12662.0 | 37.5° | 8175.5  | 2946.4  | 2927.3  | 3144.6  | 3371.4  | 3495.6  | 3574.4  | 3579.2  | 3476.5  | 3483.7  |
| 12929.4 | 40°   | 7755.3  | 2824.7  | 2870.0  | 3099.2  | 3295.0  | 3414.4  | 3419.2  | 3151.8  | 2963.1  | 2958.4  |
| 13235.1 | 42.5° | 7411.4  | 2800.8  | 2886.7  | 3094.5  | 3240.1  | 3244.9  | 2908.2  | 2700.5  | 2648.0  | 2650.4  |
| 13516.8 | 45°   | 7089.1  | 2793.6  | 2924.9  | 3094.5  | 3158.9  | 2803.2  | 2576.3  | 2521.4  | 2526.2  | 2545.3  |
| 13643.4 | 47.5° | 6728.6  | 2765.0  | 2932.1  | 3051.5  | 2924.9  | 2492.8  | 2425.9  | 2402.0  | 2392.5  | 2397.3  |
| 13614.7 | 50°   | 6334.6  | 2662.3  | 2841.4  | 2965.5  | 2523.8  | 2359.1  | 2275.5  | 2268.3  | 2280.3  | 2287.4  |
| 13454.7 | 52.5° | 5919.1  | 2495.2  | 2686.2  | 2810.3  | 2340.0  | 2242.1  | 2148.9  | 2165.6  | 2218.2  | 2234.9  |
| 13287.6 | 55°   | 5646.9  | 2299.4  | 2480.8  | 2499.9  | 2211.0  | 2132.2  | 2053.4  | 2091.6  | 2189.5  | 2220.6  |
| 13187.3 | 57.5° | 5575.3  | 2091.6  | 2246.8  | 2225.3  | 2046.3  | 2036.7  | 1989.0  | 2022.4  | 2146.5  | 2191.9  |
| 13182.5 | 60°   | 5553.8  | 1905.4  | 2017.6  | 2000.9  | 1886.3  | 1931.7  | 1919.7  | 1936.4  | 1979.4  | 1993.7  |
| 13134.8 | 62.5° | 5386.7  | 1757.4  | 1812.3  | 1788.4  | 1743.0  | 1821.8  | 1850.5  | 1814.7  | 1848.1  | 1864.8  |
| 12807.7 | 65°   | 4961.7  | 1638.0  | 1611.7  | 1595.0  | 1614.1  | 1685.7  | 1743.0  | 1671.4  | 1702.4  | 1750.2  |
| 11546.9 | 67.5° | 4259.7  | 1475.6  | 1404.0  | 1423.1  | 1482.8  | 1521.0  | 1595.0  | 1513.8  | 1540.1  | 1621.3  |
| 9300.1  | 70°   | 3445.5  | 1270.3  | 1205.8  | 1260.7  | 1318.0  | 1396.8  | 1408.7  | 1353.8  | 1415.9  | 1506.6  |
| 5675.6  | 72.5° | 2437.8  | 1062.5  | 1017.2  | 1129.4  | 1148.5  | 1251.2  | 1224.9  | 1198.6  | 1284.6  | 1315.6  |
| 2805.6  | 75°   | 1690.5  | 857.2   | 830.9   | 916.9   | 986.1   | 1074.5  | 1055.4  | 1086.4  | 1267.9  | 1282.2  |
| 1401.6  | 77.5° | 1069.7  | 666.2   | 649.5   | 704.4   | 799.9   | 897.8   | 928.8   | 1282.2  | 2165.6  | 2251.6  |
| 728.3   | 80°   | 620.8   | 496.6   | 477.5   | 520.5   | 604.1   | 694.8   | 895.4   | 1573.5  | 1427.8  | 1411.1  |
| 327.1   | 82.5° | 346.2   | 341.4   | 317.6   | 329.5   | 403.5   | 501.4   | 1265.5  | 1107.9  | 900.2   | 928.8   |
| 131.3   | 85°   | 162.4   | 200.6   | 171.9   | 164.8   | 226.8   | 587.4   | 845.2   | 632.7   | 420.2   | 410.7   |
| 28.7    | 87.5° | 43.0    | 38.2    | 38.2    | 43.0    | 95.5    | 506.2   | 336.7   | 269.8   | 160.0   | 155.2   |
| 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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