

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: P954756

Luminaire Tested: **GLAN-SB7D-930-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954756  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7D-930-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 51277 lumens  
Efficiency: N/A  
Efficacy: 100.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5

Input Watts (W): 512.8  
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

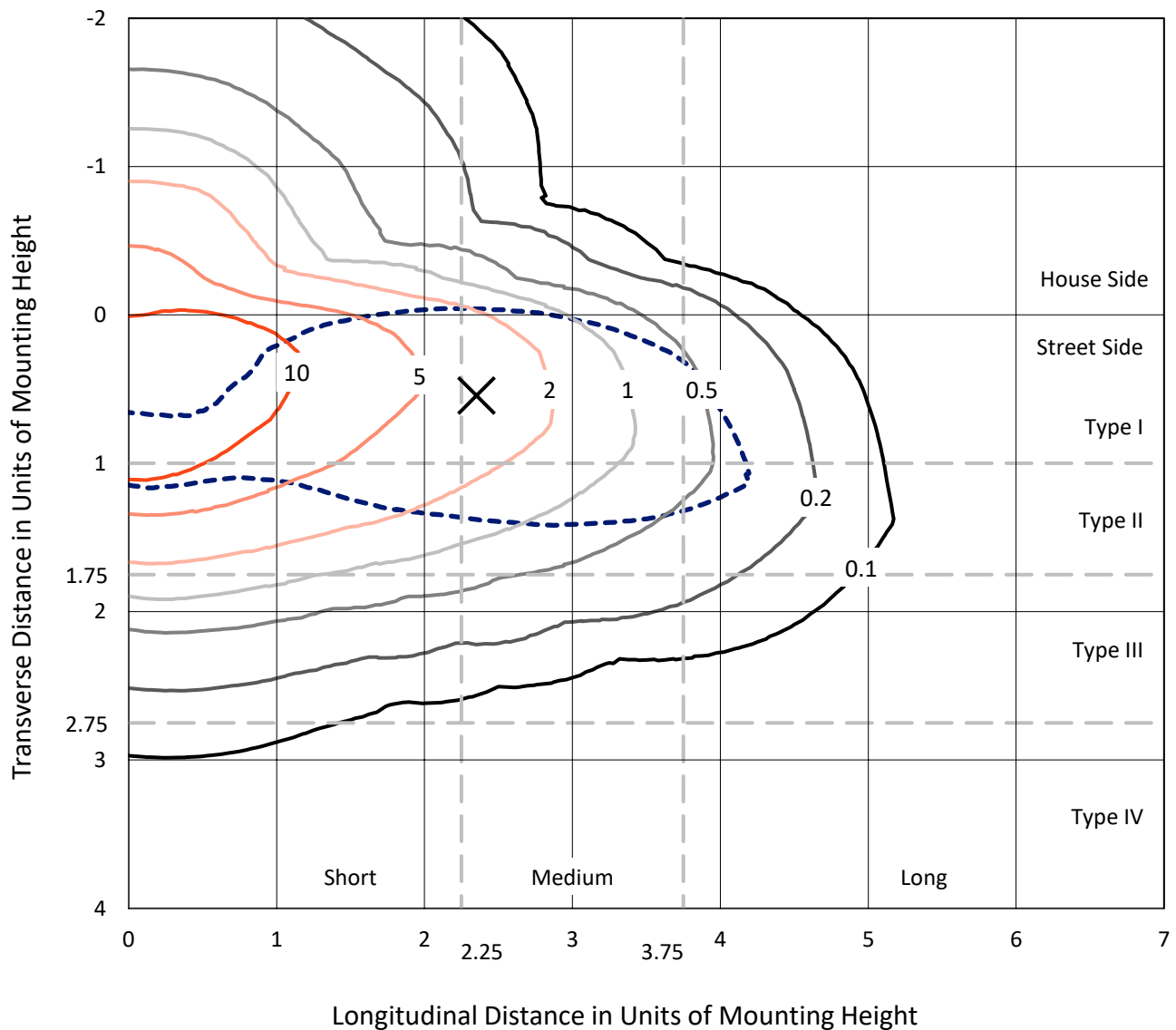


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## Iso-Footcandle Lines of Horizontal Illumination

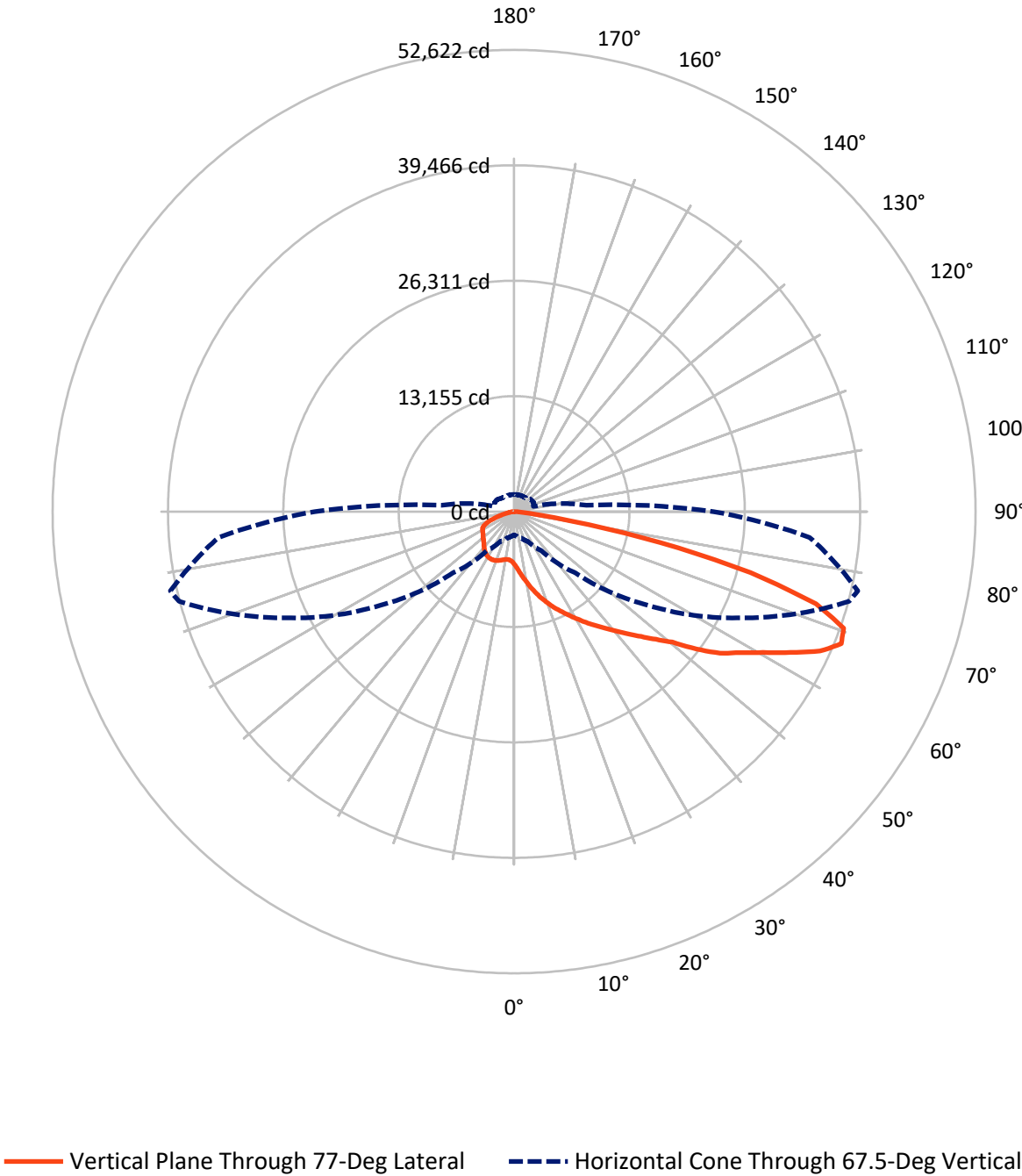
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.8 fc  
Type II - 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    | 9699.5   | 0.0    | 9699.5  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 41577.4  | 0.0    | 41577.4 |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 51277.0  | 0.0    | 51277.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 644.9   | 1.3       |
| 10°-20°   | 2316.8  | 4.5       |
| 20°-30°   | 4374.3  | 8.5       |
| 30°-40°   | 7046.9  | 13.7      |
| 40°-50°   | 9638.9  | 18.8      |
| 50°-60°   | 10872.8 | 21.2      |
| 60°-70°   | 10148.4 | 19.8      |
| 70°-80°   | 5563.0  | 10.8      |
| 80°-90°   | 671.0   | 1.3       |
| 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°    | 51277.0 | 100.0     |
| 0°-180°   | 51277.0 | 100.0     |

**Coefficient of Utilization**



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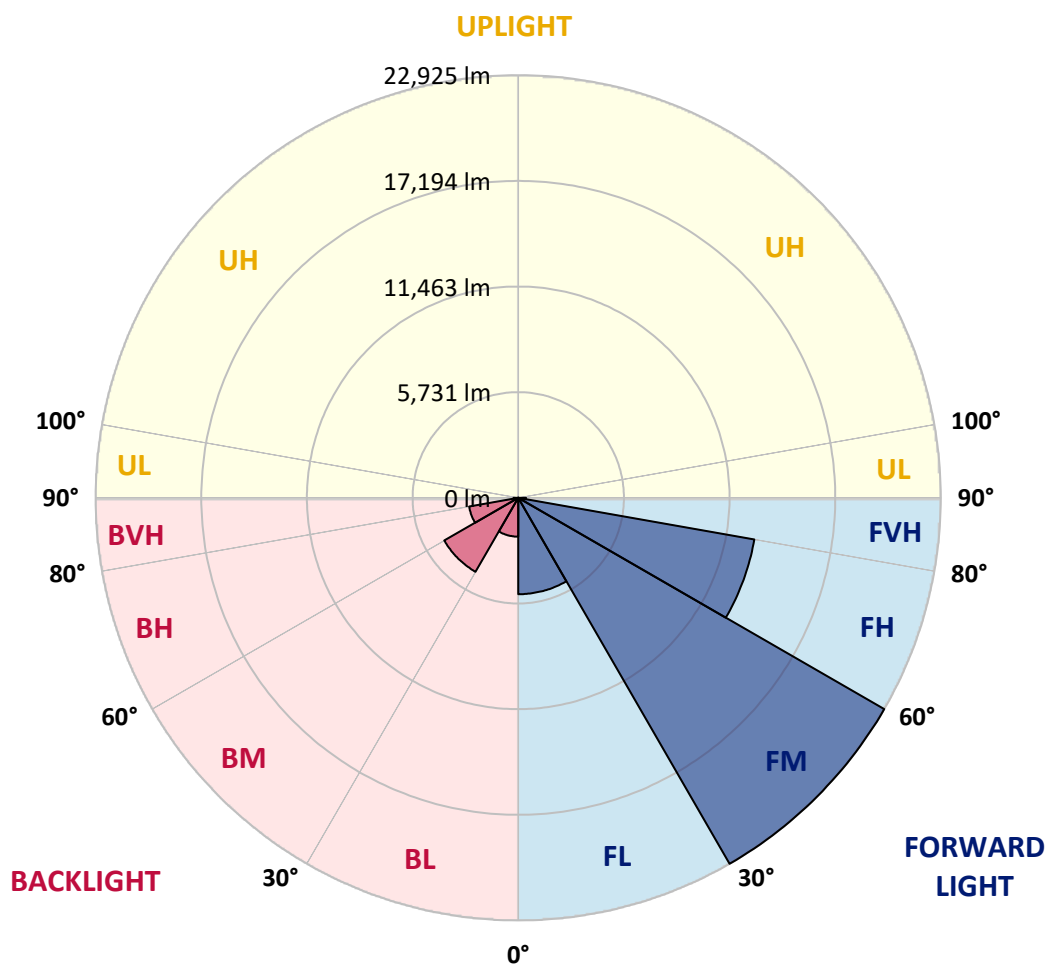
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 5227.0  | 10.2      |                         |      |         |
| FM   | (30°-60°)   | 22925.4 | 44.7      |                         |      |         |
| FH   | (60°-80°)   | 13005.4 | 25.4      |                         |      | G5      |
| FVH  | (80°-90°)   | 419.6   | 0.8       |                         |      | G3/500  |
| BL   | (0°-30°)    | 2108.9  | 4.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4633.2  | 9.0       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2706.0  | 5.3       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 251.4   | 0.5       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6016.4  | 6016.4  | 6016.4  | 6016.4  | 6016.4  | 6016.4  | 6016.4  | 6016.4  | 6016.4  | 6016.4  |
| 2.5°  | 7533.1  | 7586.0  | 7519.8  | 7519.8  | 7297.5  | 7181.0  | 6958.7  | 6789.3  | 6484.9  | 6431.9  |
| 5°    | 8904.1  | 8970.3  | 8877.7  | 8838.0  | 8575.9  | 8335.1  | 7961.9  | 7593.9  | 7051.3  | 6995.7  |
| 7.5°  | 9965.5  | 10050.2 | 9968.2  | 9925.8  | 9692.9  | 9422.9  | 8986.2  | 8472.7  | 7707.7  | 7599.2  |
| 10°   | 10831.1 | 10844.3 | 10817.8 | 10833.7 | 10651.1 | 10428.8 | 9981.4  | 9383.2  | 8427.7  | 8279.5  |
| 12.5° | 11320.8 | 11381.6 | 11434.6 | 11529.9 | 11498.1 | 11360.5 | 10958.1 | 10243.5 | 9190.0  | 8999.4  |
| 15°   | 11551.0 | 11656.9 | 11776.0 | 11995.7 | 12173.1 | 12207.5 | 11900.4 | 11167.2 | 9965.5  | 9735.3  |
| 17.5° | 11633.1 | 11733.7 | 11921.6 | 12239.2 | 12620.4 | 12877.1 | 12739.5 | 12064.5 | 10733.1 | 10468.5 |
| 20°   | 12048.7 | 12077.8 | 12191.6 | 12493.3 | 12906.2 | 13332.4 | 13435.6 | 12927.4 | 11492.8 | 11193.7 |
| 22.5° | 12938.0 | 12879.8 | 12911.5 | 13049.2 | 13345.6 | 13758.5 | 13994.1 | 13689.7 | 12273.6 | 11929.5 |
| 25°   | 14407.0 | 14237.6 | 14068.2 | 13909.4 | 14060.3 | 14293.2 | 14560.6 | 14452.0 | 13091.5 | 12654.8 |
| 27.5° | 16262.5 | 16056.0 | 15682.8 | 15161.4 | 14978.8 | 15060.8 | 15179.9 | 15158.7 | 13848.5 | 13406.5 |
| 30°   | 18088.9 | 17848.0 | 17403.3 | 16648.9 | 16167.2 | 15950.2 | 15860.2 | 15799.3 | 14671.7 | 14200.6 |
| 32.5° | 19547.3 | 19356.7 | 18920.0 | 18075.6 | 17376.8 | 17006.3 | 16707.2 | 16490.1 | 15532.0 | 15060.8 |
| 35°   | 20823.1 | 20645.8 | 20145.5 | 19224.4 | 18464.7 | 18070.3 | 17678.6 | 17215.4 | 16426.6 | 15950.2 |
| 37.5° | 21987.7 | 21810.4 | 21124.8 | 20166.7 | 19401.7 | 19129.1 | 18779.7 | 17993.6 | 17323.9 | 16873.9 |
| 40°   | 22723.6 | 22683.9 | 22043.3 | 20958.1 | 20164.0 | 20029.0 | 19912.6 | 18896.2 | 18319.1 | 17900.9 |
| 42.5° | 22911.5 | 22998.8 | 22490.6 | 21598.6 | 20841.6 | 20733.1 | 21005.7 | 19917.9 | 19436.1 | 19036.4 |
| 45°   | 22458.9 | 22710.3 | 22376.8 | 21770.7 | 21323.4 | 21265.1 | 21974.5 | 21034.8 | 20672.2 | 20307.0 |
| 47.5° | 21312.8 | 21738.9 | 21601.3 | 21516.6 | 21453.1 | 21704.5 | 22826.8 | 22220.7 | 22072.4 | 21754.8 |
| 50°   | 18999.4 | 19806.7 | 20047.6 | 20582.2 | 21196.3 | 22046.0 | 23602.3 | 23515.0 | 23708.2 | 23387.9 |
| 52.5° | 14999.9 | 16111.6 | 17509.2 | 18848.5 | 20407.5 | 21932.1 | 24454.6 | 25373.1 | 26188.3 | 26013.7 |
| 55°   | 12382.2 | 12882.4 | 13957.1 | 16413.4 | 18877.6 | 21453.1 | 24838.4 | 26873.9 | 28650.0 | 28493.8 |
| 57.5° | 10370.5 | 10817.8 | 11479.6 | 13530.9 | 16564.2 | 20365.2 | 25076.7 | 27789.7 | 30336.0 | 30320.1 |
| 60°   | 8213.3  | 8687.1  | 9364.7  | 10817.8 | 13861.8 | 18485.9 | 25023.7 | 28832.6 | 32488.0 | 32620.3 |
| 62.5° | 5778.2  | 6299.6  | 7051.3  | 8406.5  | 11101.1 | 16050.8 | 23943.8 | 29587.0 | 35021.0 | 35381.0 |
| 65°   | 3798.3  | 4142.4  | 4708.8  | 5878.7  | 8271.5  | 12919.5 | 21881.9 | 29684.9 | 37731.4 | 38340.2 |
| 67.5° | 2662.8  | 2795.1  | 3128.6  | 3763.9  | 5452.6  | 9907.3  | 18597.1 | 28671.1 | 39539.3 | 40224.8 |
| 70°   | 2077.8  | 2144.0  | 2313.4  | 2567.5  | 3425.1  | 6662.2  | 14250.9 | 26034.8 | 39152.8 | 39867.5 |
| 72.5° | 1794.6  | 1858.1  | 1921.6  | 1953.4  | 2297.5  | 4113.3  | 9653.2  | 21768.0 | 35513.3 | 35997.7 |
| 75°   | 1627.8  | 1643.7  | 1696.7  | 1686.1  | 1752.2  | 2668.1  | 5571.7  | 15860.2 | 28020.0 | 27853.2 |
| 77.5° | 1368.4  | 1389.6  | 1477.0  | 1463.7  | 1556.4  | 1823.7  | 2893.1  | 10235.5 | 18165.6 | 17032.7 |
| 80°   | 1159.3  | 1169.9  | 1265.2  | 1249.3  | 1352.6  | 1320.8  | 1477.0  | 5217.0  | 7705.1  | 6527.2  |
| 82.5° | 402.3   | 497.6   | 966.1   | 995.2   | 1032.3  | 799.4   | 852.3   | 2128.1  | 2353.1  | 1802.5  |
| 85°   | 195.9   | 209.1   | 492.3   | 698.8   | 696.1   | 402.3   | 415.6   | 759.7   | 741.1   | 582.3   |
| 87.5° | 31.8    | 39.7    | 58.2    | 272.6   | 217.0   | 105.9   | 142.9   | 148.2   | 153.5   | 132.3   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6016.4  | 0°    | 6016.4  | 6016.4 | 6016.4 | 6016.4 | 6016.4 | 6016.4 | 6016.4 | 6016.4 | 6016.4 | 6016.4 |
| 6230.8  | 2.5°  | 6082.6  | 5950.2 | 5672.3 | 5415.5 | 5214.4 | 5021.2 | 4912.6 | 4820.0 | 4767.1 | 4756.5 |
| 6521.9  | 5°    | 6246.7  | 5974.0 | 5468.5 | 5042.3 | 4764.4 | 4557.9 | 4449.4 | 4380.6 | 4346.2 | 4325.0 |
| 6913.7  | 7.5°  | 6482.2  | 6082.6 | 5362.6 | 4878.2 | 4587.1 | 4438.8 | 4383.3 | 4372.7 | 4370.0 | 4372.7 |
| 7387.5  | 10°   | 6807.8  | 6259.9 | 5352.0 | 4838.5 | 4595.0 | 4513.0 | 4510.3 | 4513.0 | 4523.5 | 4526.2 |
| 7903.6  | 12.5° | 7159.8  | 6442.5 | 5394.4 | 4872.9 | 4695.6 | 4650.6 | 4642.6 | 4640.0 | 4647.9 | 4653.2 |
| 8425.1  | 15°   | 7543.6  | 6683.4 | 5465.8 | 4947.0 | 4806.8 | 4759.1 | 4751.2 | 4735.3 | 4732.6 | 4730.0 |
| 8973.0  | 17.5° | 7938.0  | 6921.6 | 5545.2 | 5026.4 | 4878.2 | 4812.0 | 4782.9 | 4745.9 | 4716.8 | 4708.8 |
| 9539.4  | 20°   | 8337.7  | 7157.2 | 5600.8 | 5066.2 | 4883.5 | 4790.9 | 4732.6 | 4669.1 | 4618.8 | 4589.7 |
| 10111.1 | 22.5° | 8763.9  | 7403.4 | 5635.2 | 5055.6 | 4835.9 | 4708.8 | 4602.9 | 4528.8 | 4452.1 | 4401.8 |
| 10688.1 | 25°   | 9179.4  | 7617.8 | 5632.6 | 5000.0 | 4743.2 | 4581.8 | 4446.8 | 4351.5 | 4245.6 | 4192.7 |
| 11283.7 | 27.5° | 9579.1  | 7811.0 | 5566.4 | 4902.0 | 4610.9 | 4430.9 | 4269.4 | 4155.6 | 4052.4 | 4002.1 |
| 11884.5 | 30°   | 9992.0  | 7972.4 | 5463.2 | 4759.1 | 4454.7 | 4256.2 | 4078.9 | 3980.9 | 3888.3 | 3840.6 |
| 12519.8 | 32.5° | 10402.3 | 8120.7 | 5317.6 | 4581.8 | 4274.7 | 4084.2 | 3909.5 | 3819.5 | 3763.9 | 3763.9 |
| 13202.7 | 35°   | 10836.4 | 8223.9 | 5124.4 | 4375.3 | 4084.2 | 3901.5 | 3763.9 | 3710.9 | 3705.6 | 3673.9 |
| 13925.3 | 37.5° | 11294.3 | 8290.1 | 4888.8 | 4163.6 | 3896.2 | 3724.2 | 3681.8 | 3618.3 | 3565.4 | 3496.5 |
| 14719.4 | 40°   | 11776.0 | 8356.2 | 4605.6 | 3943.9 | 3697.7 | 3602.4 | 3583.9 | 3499.2 | 3348.3 | 3178.9 |
| 15619.3 | 42.5° | 12361.0 | 8401.2 | 4311.8 | 3724.2 | 3488.6 | 3456.8 | 3483.3 | 3337.7 | 3096.9 | 2969.8 |
| 16704.5 | 45°   | 13038.6 | 8475.3 | 4041.8 | 3507.1 | 3274.2 | 3274.2 | 3385.4 | 3194.8 | 2996.3 | 2916.9 |
| 17943.3 | 47.5° | 13917.4 | 8647.4 | 3790.3 | 3268.9 | 3075.7 | 3128.6 | 3168.3 | 3022.8 | 2911.6 | 2813.6 |
| 19452.0 | 50°   | 15187.9 | 9060.3 | 3531.0 | 3028.0 | 2924.8 | 3030.7 | 2975.1 | 2890.4 | 2760.7 | 2681.3 |
| 21850.1 | 52.5° | 16765.4 | 9303.8 | 3300.7 | 2811.0 | 2795.1 | 2901.0 | 2821.6 | 2742.2 | 2644.2 | 2538.4 |
| 23668.5 | 55°   | 17840.1 | 9348.8 | 3107.5 | 2652.2 | 2707.8 | 2697.2 | 2668.1 | 2596.6 | 2543.7 | 2403.4 |
| 25463.1 | 57.5° | 19041.7 | 9438.8 | 2948.6 | 2556.9 | 2652.2 | 2535.7 | 2525.1 | 2464.3 | 2395.4 | 2300.1 |
| 27652.1 | 60°   | 20479.0 | 9579.1 | 2811.0 | 2519.8 | 2604.5 | 2429.8 | 2376.9 | 2353.1 | 2284.3 | 2236.6 |
| 30285.7 | 62.5° | 22046.0 | 9706.2 | 2670.7 | 2525.1 | 2549.0 | 2326.6 | 2247.2 | 2239.3 | 2196.9 | 2181.0 |
| 32757.9 | 65°   | 23115.3 | 9359.4 | 2496.0 | 2519.8 | 2461.6 | 2220.7 | 2120.2 | 2117.5 | 2083.1 | 2077.8 |
| 33829.9 | 67.5° | 22742.1 | 8260.9 | 2260.4 | 2445.7 | 2371.6 | 2114.9 | 2003.7 | 1993.1 | 1948.1 | 1950.8 |
| 32710.3 | 70°   | 20873.4 | 6694.0 | 1934.9 | 2263.1 | 2260.4 | 2019.6 | 1881.9 | 1847.5 | 1786.7 | 1797.2 |
| 28440.9 | 72.5° | 17368.9 | 4960.3 | 1498.1 | 1958.7 | 2083.1 | 1932.2 | 1741.7 | 1686.1 | 1609.3 | 1619.9 |
| 20995.1 | 75°   | 12543.6 | 3372.1 | 1090.5 | 1490.2 | 1813.1 | 1829.0 | 1604.0 | 1508.7 | 1416.1 | 1432.0 |
| 11686.0 | 77.5° | 6418.7  | 1911.1 | 802.0  | 1027.0 | 1424.0 | 1662.2 | 1479.6 | 1352.6 | 1331.4 | 1479.6 |
| 3369.5  | 80°   | 2093.7  | 958.2  | 555.8  | 720.0  | 934.4  | 1360.5 | 1297.0 | 1151.4 | 1146.1 | 1180.5 |
| 706.7   | 82.5° | 624.7   | 405.0  | 357.3  | 473.8  | 516.1  | 1042.9 | 1119.6 | 870.8  | 749.1  | 788.8  |
| 235.6   | 85°   | 214.4   | 195.9  | 203.8  | 235.6  | 246.2  | 611.4  | 783.5  | 577.0  | 545.3  | 600.8  |
| 52.9    | 87.5° | 50.3    | 68.8   | 58.2   | 52.9   | 52.9   | 148.2  | 304.4  | 240.9  | 333.5  | 222.3  |
| 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°   |
|--------|
| 6016.4 |
| 4756.5 |
| 4322.4 |
| 4380.6 |
| 4528.8 |
| 4655.9 |
| 4727.3 |
| 4716.8 |
| 4600.3 |
| 4404.4 |
| 4192.7 |
| 3999.5 |
| 3838.0 |
| 3766.5 |
| 3665.9 |
| 3486.0 |
| 3155.1 |
| 2972.5 |
| 2930.1 |
| 2811.0 |
| 2673.4 |
| 2517.2 |
| 2406.0 |
| 2268.4 |
| 2249.9 |
| 2181.0 |
| 2075.2 |
| 1950.8 |
| 1807.8 |
| 1617.3 |
| 1437.3 |
| 1458.4 |
| 1013.8 |
| 815.2  |
| 592.9  |
| 214.4  |
| 0.0    |