

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: P954598

Luminaire Tested: **GLAN-SB7D-760-U-AFL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P954598  
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-SB7D-760-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 5700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 77868 lumens  
Efficiency: N/A  
Efficacy: 151.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
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



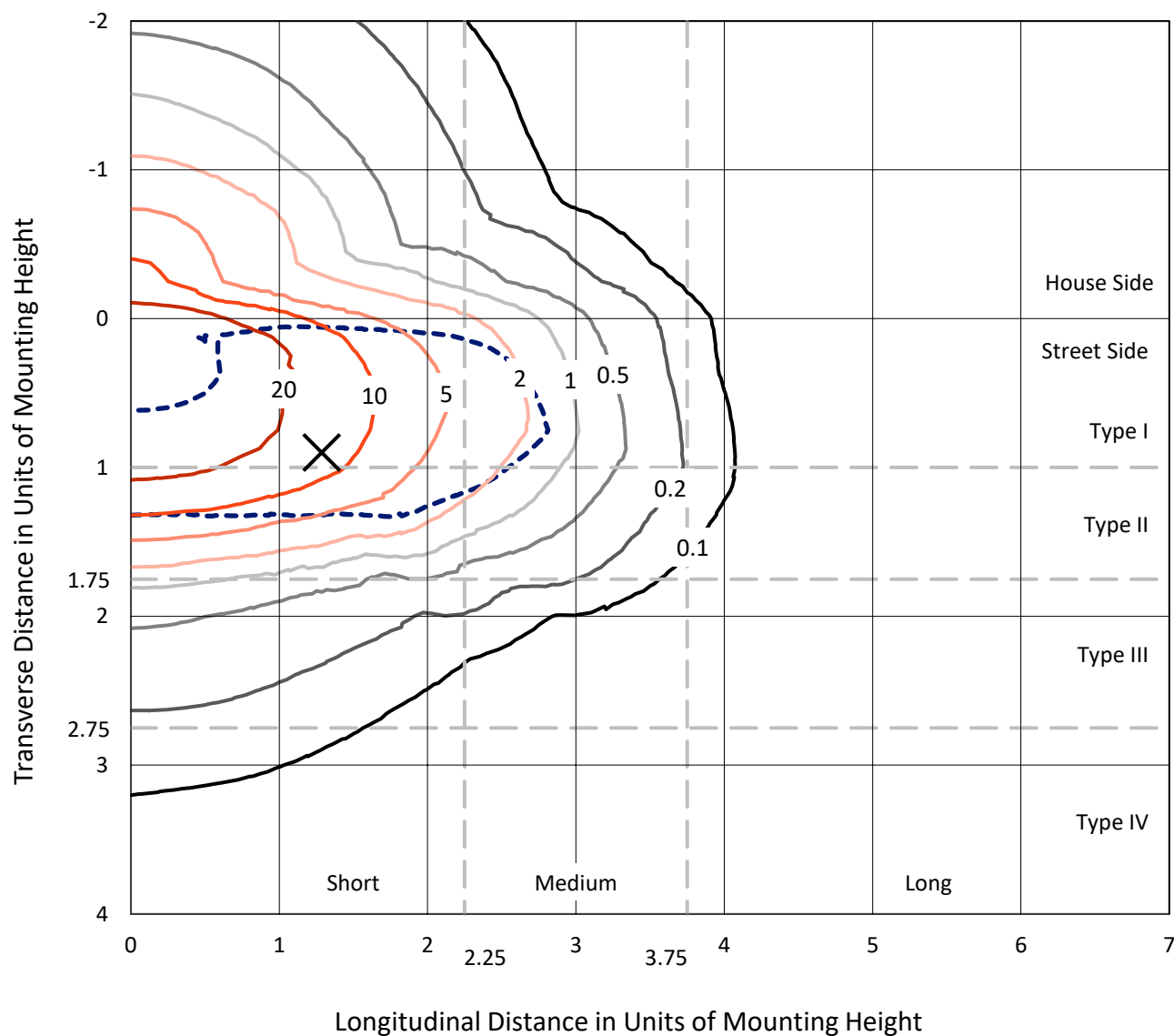
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

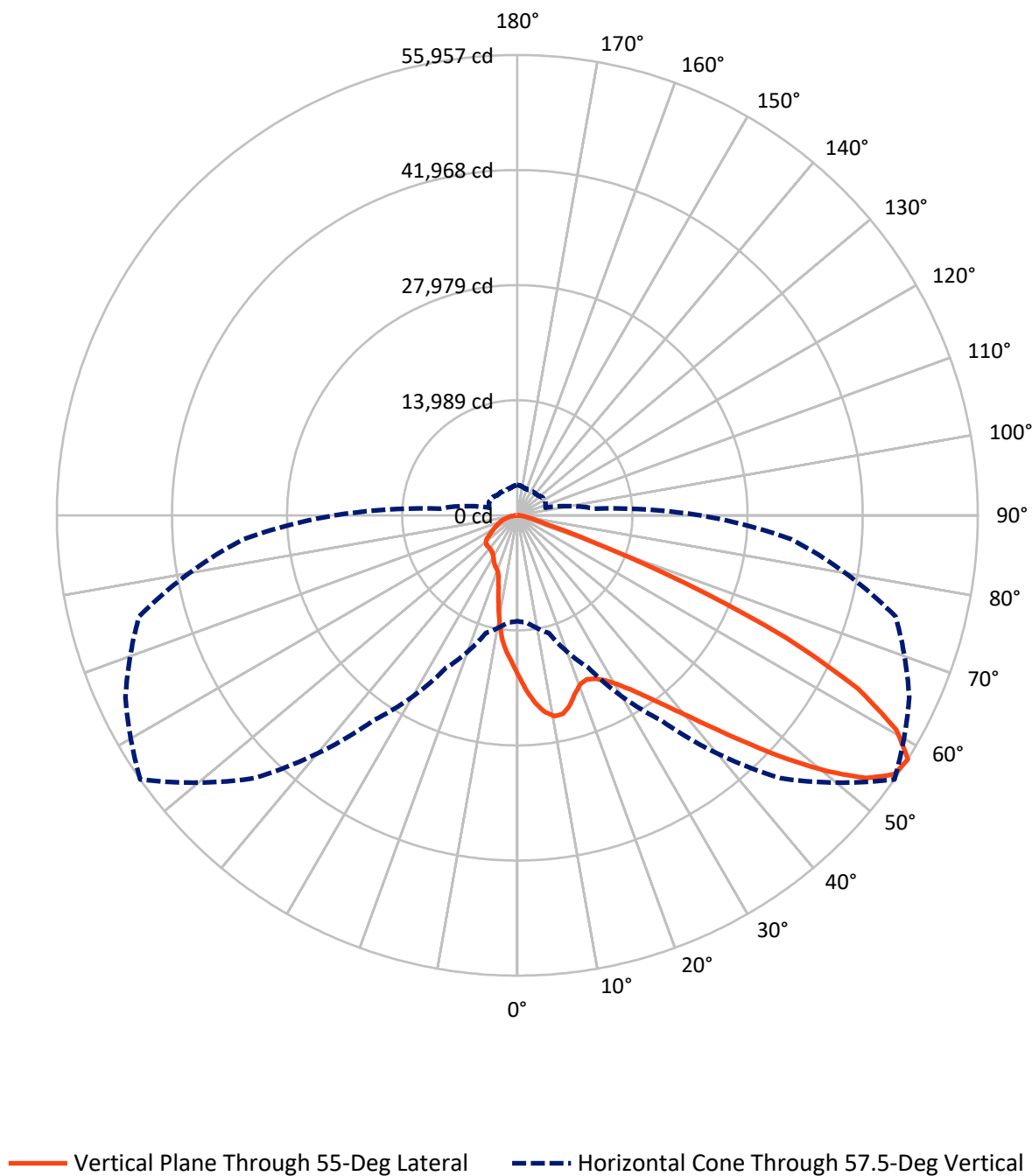


Based on 25 foot mounting height. Maximum calculated value = 37.7 fc

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    | 14089.8  | 0.0    | 14089.8 |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 63778.2  | 0.0    | 63778.2 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 77868.0  | 0.0    | 77868.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1810.5  | 2.3       |
| 10°-20°   | 4569.8  | 5.9       |
| 20°-30°   | 7292.2  | 9.4       |
| 30°-40°   | 11545.3 | 14.8      |
| 40°-50°   | 17671.3 | 22.7      |
| 50°-60°   | 18927.6 | 24.3      |
| 60°-70°   | 11907.4 | 15.3      |
| 70°-80°   | 3521.3  | 4.5       |
| 80°-90°   | 622.6   | 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°    | 77868.0 | 100.0     |
| 0°-180°   | 77868.0 | 100.0     |

**Coefficient of Utilization**



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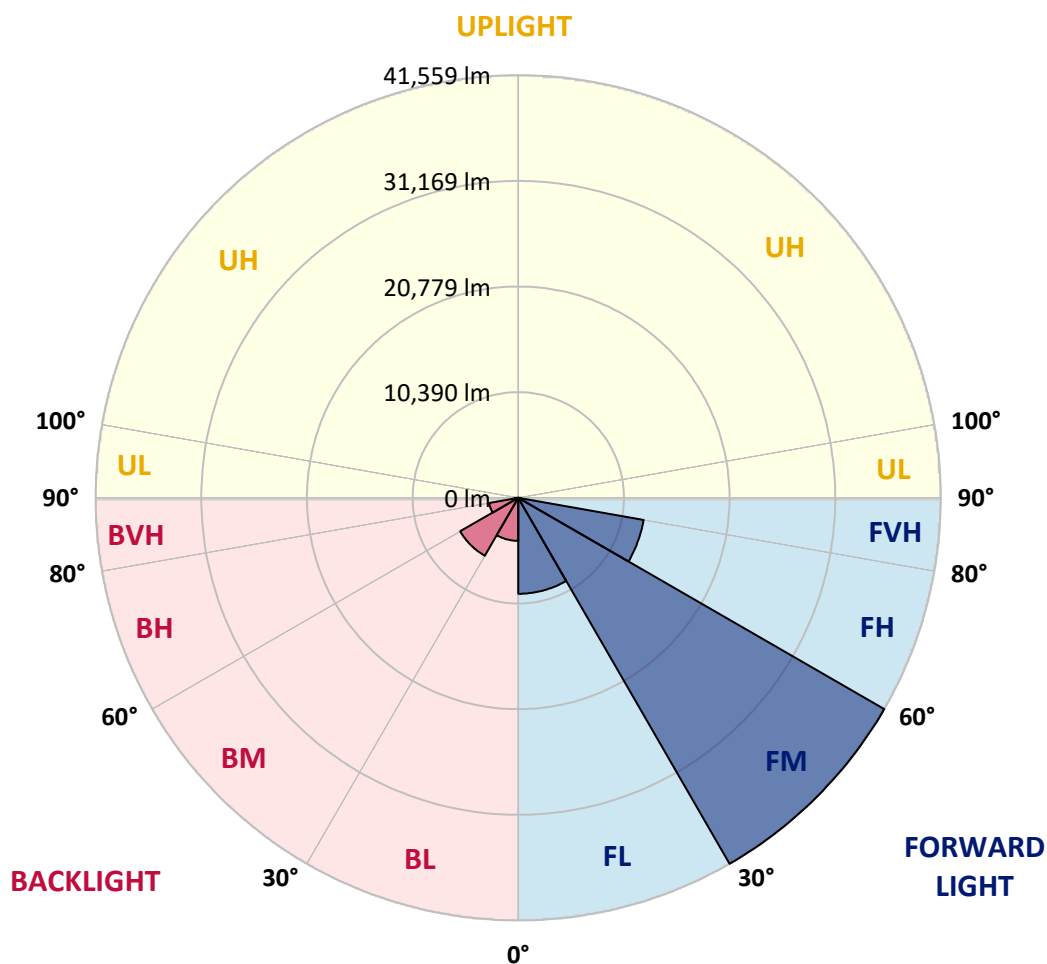
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 9437.6  | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 41558.7 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 12518.8 | 16.1      |                         |      | G5      |
| FVH  | (80°-90°)   | 263.1   | 0.3       |                         |      | G3/500  |
| BL   | (0°-30°)    | 4234.9  | 5.4       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 6585.5  | 8.5       | B4/8500                 |      |         |
| BH   | (60°-80°)   | 2909.9  | 3.7       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 359.5   | 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 19511.2 | 19511.2 | 19511.2 | 19511.2 | 19511.2 | 19511.2 | 19511.2 | 19511.2 | 19511.2 | 19511.2 |
| 2.5°  | 22385.3 | 22369.2 | 22457.8 | 22155.9 | 21950.6 | 21672.8 | 21306.5 | 20839.6 | 20336.4 | 19805.0 |
| 5°    | 24402.1 | 24261.2 | 24353.8 | 24128.3 | 23902.9 | 23484.3 | 22940.8 | 22180.0 | 21250.2 | 20191.5 |
| 7.5°  | 24084.1 | 23987.5 | 24225.0 | 24426.2 | 24595.3 | 24543.0 | 24144.4 | 23347.4 | 22147.8 | 20610.1 |
| 10°   | 21519.9 | 21411.2 | 21745.3 | 22441.7 | 23464.2 | 24353.8 | 24836.8 | 24341.7 | 23065.6 | 21069.0 |
| 12.5° | 19257.6 | 19205.3 | 19426.7 | 19990.2 | 21125.4 | 22832.2 | 24748.3 | 25211.2 | 24019.7 | 21612.5 |
| 15°   | 18291.5 | 18227.1 | 18368.0 | 18653.8 | 19378.4 | 20968.4 | 23943.2 | 25806.9 | 24957.6 | 22240.4 |
| 17.5° | 18078.1 | 18005.7 | 18066.1 | 18215.0 | 18682.0 | 19893.6 | 22727.5 | 26100.8 | 25935.8 | 22940.8 |
| 20°   | 18472.6 | 18412.3 | 18420.3 | 18412.3 | 18738.3 | 19700.4 | 21882.2 | 25988.1 | 26789.1 | 23584.9 |
| 22.5° | 19426.7 | 19326.0 | 19330.0 | 19116.7 | 19293.8 | 20038.5 | 21660.8 | 25686.2 | 27549.9 | 24148.5 |
| 25°   | 20980.5 | 20799.3 | 20835.6 | 20292.1 | 20243.8 | 20795.3 | 22007.0 | 25452.7 | 28306.7 | 24599.3 |
| 27.5° | 23105.9 | 22900.6 | 22791.9 | 21982.8 | 21596.4 | 21870.1 | 22711.4 | 25533.2 | 29023.3 | 24989.8 |
| 30°   | 25762.7 | 25513.1 | 25291.7 | 24144.4 | 23444.0 | 23343.4 | 23806.3 | 26064.6 | 29868.6 | 25400.4 |
| 32.5° | 29019.2 | 28729.4 | 28326.9 | 26805.2 | 25819.0 | 25291.7 | 25223.3 | 27010.5 | 30858.8 | 25923.7 |
| 35°   | 32895.7 | 32517.3 | 31945.7 | 29977.3 | 28729.4 | 27650.6 | 27091.1 | 28375.2 | 32215.4 | 26712.7 |
| 37.5° | 36888.9 | 36462.2 | 35938.9 | 33596.1 | 32062.4 | 30472.4 | 29369.4 | 30226.9 | 34022.8 | 27783.4 |
| 40°   | 40572.2 | 40093.1 | 39606.1 | 37520.9 | 35874.5 | 33958.4 | 32159.1 | 32569.6 | 36232.8 | 29063.5 |
| 42.5° | 42745.9 | 42391.7 | 42206.5 | 41079.4 | 39807.3 | 37863.1 | 35629.0 | 35347.2 | 38716.5 | 30536.8 |
| 45°   | 42649.3 | 42504.4 | 43076.0 | 43542.9 | 43241.0 | 42162.2 | 39694.6 | 38418.6 | 41208.2 | 31812.9 |
| 47.5° | 40370.9 | 40467.5 | 41743.6 | 44368.1 | 45523.4 | 46087.0 | 44323.9 | 41433.6 | 43373.9 | 32766.9 |
| 50°   | 34171.8 | 34252.3 | 37206.9 | 42866.7 | 46111.1 | 49287.2 | 48916.9 | 44376.2 | 45052.5 | 33350.6 |
| 52.5° | 29264.8 | 29317.1 | 30585.1 | 38414.5 | 44170.9 | 50897.4 | 53055.0 | 47149.7 | 46280.2 | 33511.6 |
| 55°   | 22043.2 | 22224.3 | 23645.3 | 30138.3 | 39123.0 | 49621.3 | 55574.9 | 50007.7 | 47057.1 | 33527.7 |
| 57.5° | 12877.3 | 13074.6 | 14829.6 | 20457.2 | 30408.0 | 45173.2 | 55957.3 | 52543.8 | 47584.4 | 33398.9 |
| 60°   | 6307.8  | 6392.4  | 7157.2  | 10751.9 | 18750.4 | 36603.1 | 52881.9 | 53771.5 | 47878.3 | 33330.4 |
| 62.5° | 4250.8  | 4238.8  | 4271.0  | 5305.5  | 9238.3  | 23516.5 | 46473.4 | 51621.9 | 47721.3 | 33068.8 |
| 65°   | 3655.1  | 3610.8  | 3490.0  | 3723.5  | 4786.2  | 10755.9 | 35906.7 | 45205.4 | 46525.8 | 32412.7 |
| 67.5° | 3160.0  | 3164.0  | 3168.0  | 3095.5  | 3417.6  | 4963.3  | 21942.5 | 35608.8 | 42234.7 | 29305.0 |
| 70°   | 2616.5  | 2652.7  | 2668.9  | 2668.9  | 2785.6  | 3256.6  | 9367.1  | 24406.1 | 33314.3 | 22977.1 |
| 72.5° | 2383.0  | 2306.6  | 2314.6  | 2274.4  | 2274.4  | 2479.7  | 3771.8  | 13835.4 | 20988.5 | 12925.6 |
| 75°   | 1944.3  | 1992.6  | 2000.6  | 1972.5  | 1879.9  | 1891.9  | 2238.1  | 5804.7  | 8980.7  | 5361.9  |
| 77.5° | 1678.6  | 1678.6  | 1694.7  | 1674.6  | 1602.1  | 1416.9  | 1493.4  | 2250.2  | 3055.3  | 2197.9  |
| 80°   | 1348.5  | 1344.5  | 1412.9  | 1453.2  | 1340.5  | 1046.6  | 954.0   | 1243.9  | 1356.6  | 966.1   |
| 82.5° | 656.1   | 696.4   | 970.1   | 1107.0  | 1018.4  | 756.8   | 583.7   | 772.9   | 724.6   | 426.7   |
| 85°   | 382.4   | 362.3   | 434.7   | 615.9   | 583.7   | 418.6   | 281.8   | 402.5   | 378.4   | 217.4   |
| 87.5° | 120.8   | 112.7   | 88.6    | 209.3   | 169.1   | 116.7   | 76.5    | 116.7   | 104.7   | 48.3    |
| 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):**

| 90°     |       | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 19511.2 | 0°    | 19511.2 | 19511.2 | 19511.2 | 19511.2 | 19511.2 | 19511.2 | 19511.2 | 19511.2 | 19511.2 | 19511.2 |
| 19575.6 | 2.5°  | 19289.8 | 18814.8 | 18343.8 | 17913.1 | 17651.5 | 17482.4 | 17313.3 | 17124.1 | 17051.7 | 16943.0 |
| 19627.9 | 5°    | 19096.6 | 18178.8 | 17361.6 | 16657.2 | 16017.1 | 15514.0 | 15006.8 | 14596.2 | 14411.0 | 14535.8 |
| 19793.0 | 7.5°  | 18983.9 | 17655.5 | 16395.5 | 15103.4 | 13859.5 | 12865.2 | 11999.8 | 11391.9 | 11118.2 | 11186.6 |
| 19954.0 | 10°   | 18883.2 | 17063.7 | 15143.6 | 13102.7 | 11315.4 | 10083.7 | 9198.1  | 8735.2  | 8562.1  | 8598.3  |
| 20171.4 | 12.5° | 18790.6 | 16399.5 | 13634.1 | 10949.1 | 9049.1  | 8236.0  | 7982.4  | 7986.4  | 8018.6  | 8042.8  |
| 20517.5 | 15°   | 18774.5 | 15598.5 | 11947.4 | 9065.2  | 7825.4  | 7773.1  | 8046.8  | 8219.9  | 8312.5  | 8340.7  |
| 20807.4 | 17.5° | 18750.4 | 14640.4 | 10228.6 | 7781.1  | 7527.5  | 7881.8  | 8135.4  | 8248.1  | 8320.5  | 8324.6  |
| 21089.2 | 20°   | 18653.8 | 13424.8 | 8642.6  | 7169.3  | 7463.1  | 7769.1  | 7926.0  | 8014.6  | 8075.0  | 8095.1  |
| 21302.5 | 22.5° | 18355.9 | 12072.2 | 7406.8  | 6895.5  | 7205.5  | 7451.0  | 7636.2  | 7736.9  | 7773.1  | 7797.2  |
| 21342.8 | 25°   | 17820.5 | 10558.7 | 6553.4  | 6633.9  | 6847.2  | 7157.2  | 7306.1  | 7326.3  | 7314.2  | 7350.4  |
| 21242.1 | 27.5° | 17120.1 | 8936.4  | 6022.0  | 6279.6  | 6553.4  | 6819.1  | 6899.6  | 6887.5  | 6863.3  | 6903.6  |
| 21069.0 | 30°   | 16274.8 | 7479.2  | 5683.9  | 5881.1  | 6255.5  | 6497.0  | 6569.5  | 6541.3  | 6493.0  | 6537.3  |
| 20980.5 | 32.5° | 15381.1 | 6287.7  | 5406.1  | 5603.4  | 6009.9  | 6247.4  | 6319.9  | 6291.7  | 6255.5  | 6291.7  |
| 21081.1 | 35°   | 14547.9 | 5454.4  | 5148.5  | 5418.2  | 5816.7  | 6050.2  | 6142.8  | 6146.8  | 6146.8  | 6191.1  |
| 21346.8 | 37.5° | 13783.0 | 4967.4  | 4935.2  | 5301.5  | 5683.9  | 5893.2  | 6026.0  | 6034.1  | 5861.0  | 5873.1  |
| 21797.6 | 40°   | 13074.6 | 4762.1  | 4838.6  | 5225.0  | 5555.1  | 5756.3  | 5764.4  | 5313.5  | 4995.5  | 4987.5  |
| 22312.9 | 42.5° | 12494.9 | 4721.8  | 4866.7  | 5216.9  | 5462.5  | 5470.5  | 4903.0  | 4552.7  | 4464.2  | 4468.2  |
| 22787.9 | 45°   | 11951.5 | 4709.7  | 4931.1  | 5216.9  | 5325.6  | 4725.8  | 4343.4  | 4250.8  | 4258.9  | 4291.1  |
| 23001.2 | 47.5° | 11343.6 | 4661.4  | 4943.2  | 5144.5  | 4931.1  | 4202.5  | 4089.8  | 4049.6  | 4033.5  | 4041.5  |
| 22952.9 | 50°   | 10679.4 | 4488.3  | 4790.2  | 4999.6  | 4254.9  | 3977.1  | 3836.2  | 3824.1  | 3844.3  | 3856.3  |
| 22683.2 | 52.5° | 9979.0  | 4206.6  | 4528.6  | 4737.9  | 3944.9  | 3779.9  | 3622.9  | 3651.1  | 3739.6  | 3767.8  |
| 22401.4 | 55°   | 9520.1  | 3876.5  | 4182.4  | 4214.6  | 3727.5  | 3594.7  | 3461.9  | 3526.3  | 3691.3  | 3743.6  |
| 22232.4 | 57.5° | 9399.3  | 3526.3  | 3787.9  | 3751.7  | 3449.8  | 3433.7  | 3353.2  | 3409.5  | 3618.8  | 3695.3  |
| 22224.3 | 60°   | 9363.1  | 3212.3  | 3401.5  | 3373.3  | 3180.1  | 3256.6  | 3236.4  | 3264.6  | 3337.1  | 3361.2  |
| 22143.8 | 62.5° | 9081.3  | 2962.7  | 3055.3  | 3015.0  | 2938.6  | 3071.4  | 3119.7  | 3059.3  | 3115.7  | 3143.9  |
| 21592.3 | 65°   | 8364.8  | 2761.4  | 2717.2  | 2689.0  | 2721.2  | 2841.9  | 2938.6  | 2817.8  | 2870.1  | 2950.6  |
| 19466.9 | 67.5° | 7181.3  | 2487.7  | 2366.9  | 2399.1  | 2499.8  | 2564.2  | 2689.0  | 2552.1  | 2596.4  | 2733.3  |
| 15679.0 | 70°   | 5808.7  | 2141.5  | 2032.8  | 2125.4  | 2222.0  | 2354.9  | 2375.0  | 2282.4  | 2387.1  | 2540.0  |
| 9568.4  | 72.5° | 4110.0  | 1791.3  | 1714.8  | 1904.0  | 1936.2  | 2109.3  | 2065.0  | 2020.8  | 2165.7  | 2218.0  |
| 4729.9  | 75°   | 2850.0  | 1445.1  | 1400.8  | 1545.8  | 1662.5  | 1811.4  | 1779.2  | 1831.6  | 2137.5  | 2161.6  |
| 2362.9  | 77.5° | 1803.4  | 1123.1  | 1094.9  | 1187.5  | 1348.5  | 1513.6  | 1565.9  | 2161.6  | 3651.1  | 3796.0  |
| 1227.8  | 80°   | 1046.6  | 837.3   | 805.1   | 877.5   | 1018.4  | 1171.4  | 1509.5  | 2652.7  | 2407.2  | 2379.0  |
| 551.5   | 82.5° | 583.7   | 575.6   | 535.4   | 555.5   | 680.3   | 845.3   | 2133.5  | 1867.8  | 1517.6  | 1565.9  |
| 221.4   | 85°   | 273.7   | 338.1   | 289.8   | 277.8   | 382.4   | 990.3   | 1425.0  | 1066.7  | 708.5   | 692.4   |
| 48.3    | 87.5° | 72.5    | 64.4    | 64.4    | 72.5    | 161.0   | 853.4   | 567.6   | 454.9   | 269.7   | 261.7   |
| 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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