

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: P951399

Luminaire Tested: **GLAN-SB5C-760-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951399  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-760-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33321 lumens  
Efficiency: N/A  
Efficacy: 133.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

Input Watts (W): 249.5  
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



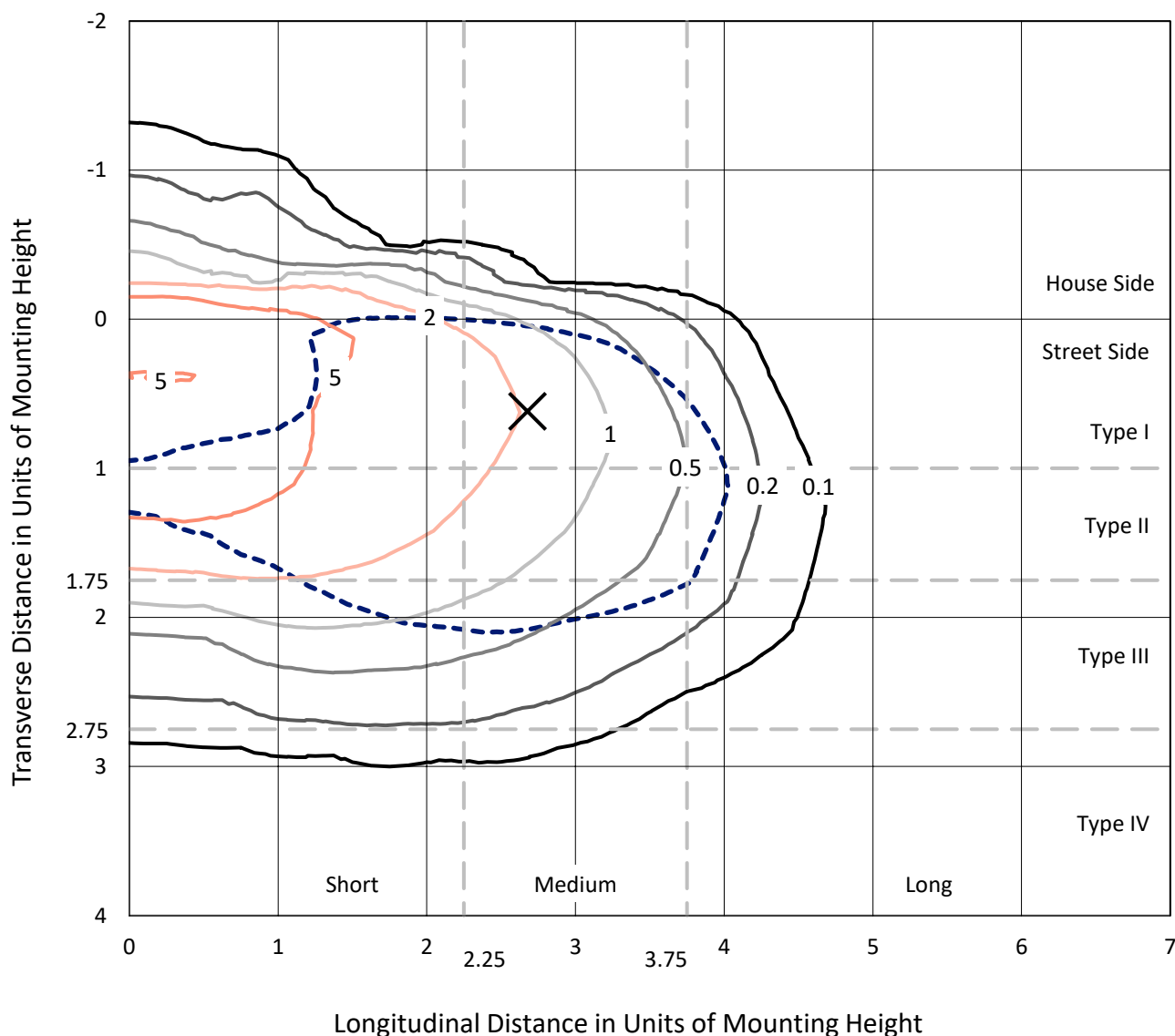
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

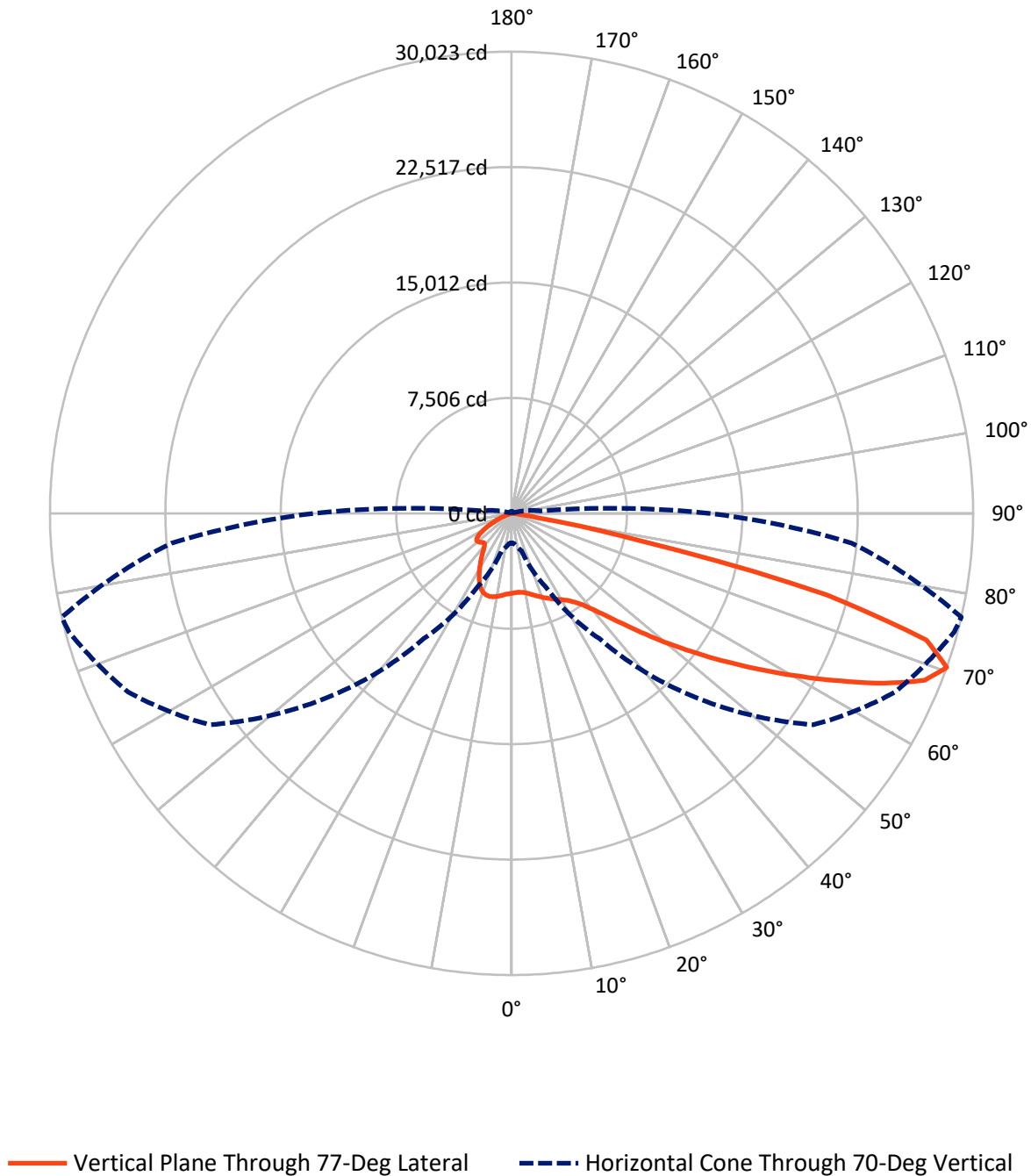
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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    | 3512.5   | 0.0    | 3512.5  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 29808.5  | 0.0    | 29808.5 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 33321.0  | 0.0    | 33321.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 447.9   | 1.3       |
| 10°-20°   | 1063.4  | 3.2       |
| 20°-30°   | 1644.7  | 4.9       |
| 30°-40°   | 2984.4  | 9.0       |
| 40°-50°   | 5633.5  | 16.9      |
| 50°-60°   | 8139.9  | 24.4      |
| 60°-70°   | 8664.7  | 26.0      |
| 70°-80°   | 4591.7  | 13.8      |
| 80°-90°   | 150.8   | 0.5       |
| 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°    | 33321.0 | 100.0     |
| 0°-180°   | 33321.0 | 100.0     |

**Coefficient of Utilization**



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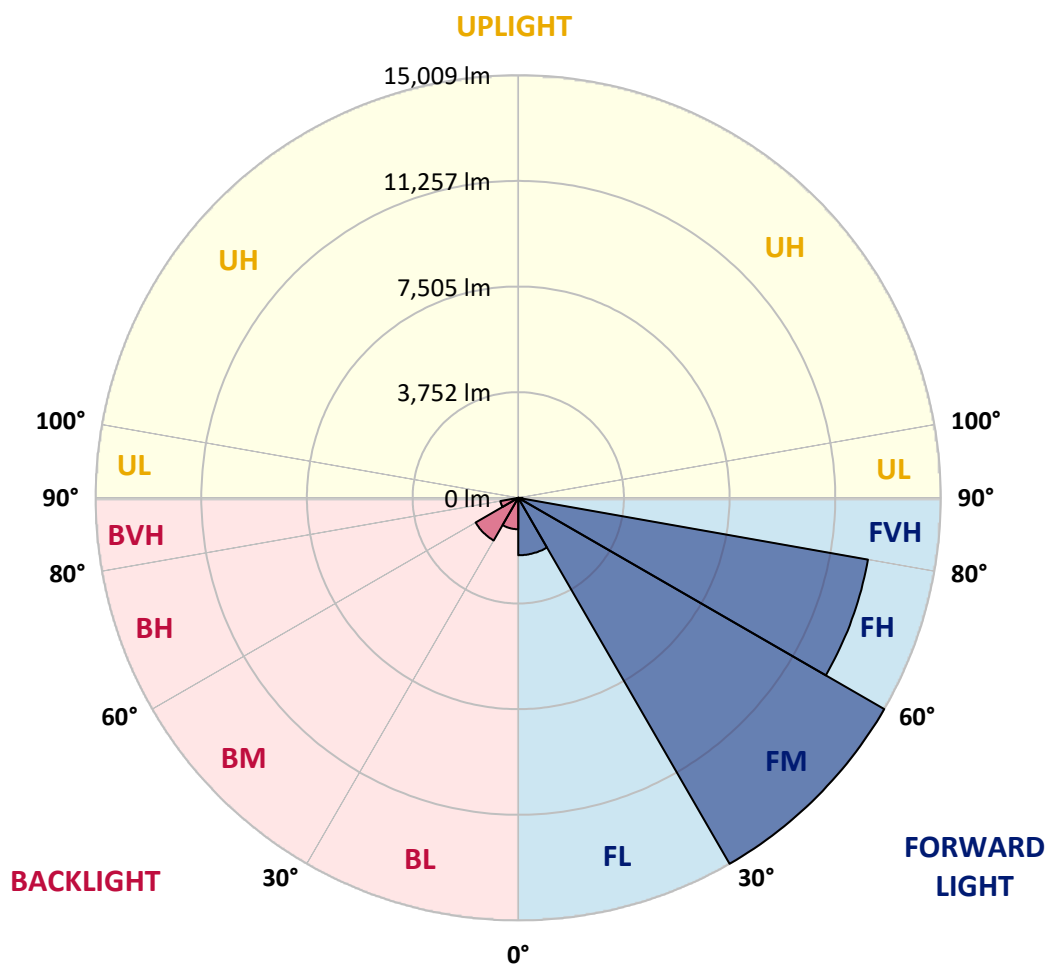
CATALOG NUMBER: GLAN-SB5C-760-U-T3R-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2040.0  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 15009.3 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 12612.5 | 37.9      |                         |      | G5      |
| FVH  | (80°-90°)   | 146.7   | 0.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1116.0  | 3.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 1748.5  | 5.2       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 643.9   | 1.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 4.1     | 0.0       |                         |      | G0/10   |
| 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°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5197.5  | 5197.5  | 5197.5  | 5197.5  | 5197.5  | 5197.5  | 5197.5  | 5197.5  | 5197.5  | 5197.5  |
| 2.5°  | 4879.7  | 4923.9  | 4917.6  | 4947.1  | 4957.6  | 4999.7  | 5041.8  | 5098.6  | 5161.7  | 5159.6  |
| 5°    | 4604.1  | 4648.3  | 4658.8  | 4698.8  | 4749.3  | 4814.5  | 4900.8  | 5014.4  | 5132.2  | 5151.2  |
| 7.5°  | 4277.9  | 4324.2  | 4351.6  | 4431.5  | 4524.1  | 4658.8  | 4799.8  | 4966.0  | 5161.7  | 5189.1  |
| 10°   | 3951.8  | 3993.8  | 4029.6  | 4143.2  | 4290.5  | 4490.4  | 4719.8  | 4959.7  | 5222.7  | 5262.7  |
| 12.5° | 3749.8  | 3789.7  | 3829.7  | 3928.6  | 4111.7  | 4355.8  | 4667.2  | 4989.2  | 5323.7  | 5380.5  |
| 15°   | 3678.2  | 3714.0  | 3745.5  | 3833.9  | 4004.4  | 4282.1  | 4656.7  | 5050.2  | 5452.1  | 5527.8  |
| 17.5° | 3688.7  | 3707.7  | 3728.7  | 3796.0  | 3962.3  | 4248.5  | 4675.6  | 5155.4  | 5603.6  | 5670.9  |
| 20°   | 3749.8  | 3760.3  | 3762.4  | 3808.7  | 3956.0  | 4244.3  | 4713.5  | 5256.4  | 5746.7  | 5837.2  |
| 22.5° | 3827.6  | 3831.8  | 3827.6  | 3859.2  | 3996.0  | 4275.8  | 4764.0  | 5378.4  | 5906.6  | 5990.8  |
| 25°   | 4191.6  | 4111.7  | 4010.7  | 3949.7  | 4063.3  | 4336.8  | 4839.8  | 5542.6  | 6081.3  | 6163.3  |
| 27.5° | 5321.6  | 5092.3  | 4730.3  | 4324.2  | 4202.2  | 4425.2  | 4945.0  | 5708.8  | 6258.0  | 6331.7  |
| 30°   | 7156.5  | 6855.6  | 6241.2  | 5325.8  | 4648.3  | 4610.4  | 5081.7  | 5875.0  | 6445.3  | 6525.3  |
| 32.5° | 8995.6  | 8922.0  | 8212.9  | 6946.1  | 5652.0  | 5022.8  | 5309.0  | 6100.2  | 6693.6  | 6756.7  |
| 35°   | 10855.8 | 10706.4 | 10125.6 | 8873.6  | 7198.6  | 5862.4  | 5687.8  | 6394.8  | 7019.7  | 7091.3  |
| 37.5° | 12280.3 | 12189.9 | 11830.0 | 10799.0 | 9033.5  | 7158.6  | 6335.9  | 6851.4  | 7493.2  | 7573.2  |
| 40°   | 13538.7 | 13496.6 | 13374.6 | 12694.9 | 11085.1 | 8854.6  | 7343.8  | 7558.4  | 8149.7  | 8244.4  |
| 42.5° | 14527.7 | 14626.6 | 14696.0 | 14506.6 | 13199.9 | 10790.5 | 8698.9  | 8551.6  | 9065.1  | 9161.9  |
| 45°   | 15539.8 | 15573.5 | 15853.3 | 16126.9 | 15299.9 | 12814.8 | 10226.6 | 9715.3  | 10203.5 | 10323.4 |
| 47.5° | 16190.0 | 16324.7 | 16817.1 | 17299.0 | 17065.4 | 14822.3 | 11867.9 | 11089.3 | 11522.8 | 11748.0 |
| 50°   | 16238.4 | 16493.0 | 17170.6 | 18010.2 | 18351.1 | 16732.9 | 13652.3 | 12654.9 | 13115.7 | 13364.0 |
| 52.5° | 15432.5 | 15828.1 | 16878.1 | 18107.0 | 19045.5 | 18351.1 | 15497.7 | 14220.5 | 14811.7 | 15135.8 |
| 55°   | 11832.1 | 12349.8 | 15777.6 | 17580.9 | 19072.8 | 19577.9 | 17294.8 | 15851.2 | 16701.4 | 17067.5 |
| 57.5° | 10308.7 | 10569.6 | 12404.5 | 16667.7 | 18565.7 | 20072.4 | 18919.2 | 17404.2 | 18757.2 | 19211.7 |
| 60°   | 8576.9  | 8919.9  | 10403.4 | 15173.7 | 17877.6 | 20120.7 | 20354.3 | 19407.4 | 20985.6 | 21496.9 |
| 62.5° | 5828.7  | 6201.2  | 7676.3  | 12606.5 | 16937.0 | 20097.6 | 21530.6 | 21469.6 | 23462.3 | 24011.5 |
| 65°   | 3610.9  | 3844.4  | 4816.6  | 10293.9 | 15621.9 | 20122.9 | 22761.6 | 23973.6 | 26075.7 | 26633.4 |
| 67.5° | 2853.4  | 2960.7  | 3467.8  | 7903.5  | 13355.6 | 19554.7 | 23990.4 | 26328.3 | 28535.6 | 28977.5 |
| 70°   | 1917.0  | 1982.2  | 2523.0  | 5298.5  | 9936.2  | 16932.8 | 23967.3 | 27510.8 | 29802.4 | 30023.3 |
| 72.5° | 1010.0  | 1060.5  | 1475.1  | 2453.5  | 6001.3  | 12036.3 | 20202.8 | 26096.8 | 28541.9 | 28209.4 |
| 75°   | 505.0   | 589.2   | 993.2   | 1245.7  | 2563.0  | 6712.5  | 12545.5 | 20575.3 | 22464.9 | 21177.1 |
| 77.5° | 383.0   | 462.9   | 820.7   | 820.7   | 892.2   | 2260.0  | 5313.2  | 11221.9 | 10350.8 | 8619.0  |
| 80°   | 244.1   | 315.6   | 717.5   | 620.8   | 372.5   | 574.5   | 1384.6  | 3143.7  | 2198.9  | 1672.9  |
| 82.5° | 143.1   | 206.2   | 597.6   | 410.3   | 208.3   | 212.5   | 391.4   | 669.1   | 570.2   | 444.0   |
| 85°   | 56.8    | 134.7   | 410.3   | 162.0   | 82.1    | 52.6    | 117.8   | 143.1   | 117.8   | 88.4    |
| 87.5° | 0.0     | 31.6    | 71.5    | 0.0     | 6.3     | 4.2     | 8.4     | 10.5    | 10.5    | 8.4     |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5197.5  | 0°    | 5197.5  | 5197.5 | 5197.5 | 5197.5 | 5197.5 | 5197.5 | 5197.5 | 5197.5 | 5197.5 | 5197.5 |
| 5201.7  | 2.5°  | 5220.6  | 5224.8 | 5237.5 | 5239.6 | 5210.1 | 5172.2 | 5157.5 | 5151.2 | 5125.9 | 5123.8 |
| 5235.4  | 5°    | 5283.7  | 5302.7 | 5283.7 | 5229.0 | 5098.6 | 4915.5 | 4776.6 | 4663.0 | 4559.9 | 4528.3 |
| 5351.1  | 7.5°  | 5410.0  | 5428.9 | 5372.1 | 5157.5 | 4829.2 | 4465.2 | 4136.9 | 3905.5 | 3697.2 | 3619.3 |
| 5492.1  | 10°   | 5591.0  | 5616.2 | 5437.4 | 5003.9 | 4423.1 | 3838.1 | 3282.6 | 2891.2 | 2586.1 | 2462.0 |
| 5683.6  | 12.5° | 5818.2  | 5828.7 | 5473.1 | 4770.3 | 3894.9 | 3059.6 | 2272.6 | 1853.8 | 1582.4 | 1481.4 |
| 5915.0  | 15°   | 6068.6  | 6053.9 | 5477.3 | 4452.6 | 3175.3 | 2163.2 | 1483.5 | 1218.4 | 1108.9 | 1075.3 |
| 6146.5  | 17.5° | 6331.7  | 6270.6 | 5393.2 | 3993.8 | 2386.2 | 1479.3 | 1100.5 | 1037.4 | 1018.5 | 1010.0 |
| 6375.8  | 20°   | 6590.5  | 6453.7 | 5239.6 | 3394.1 | 1712.9 | 1104.7 | 999.5  | 980.6  | 970.1  | 965.8  |
| 6607.3  | 22.5° | 6826.2  | 6592.6 | 4976.5 | 2697.6 | 1243.6 | 976.4  | 944.8  | 928.0  | 909.0  | 900.6  |
| 6832.5  | 25°   | 7055.5  | 6672.5 | 4606.2 | 2047.4 | 995.3  | 913.2  | 888.0  | 856.4  | 831.2  | 820.7  |
| 7074.5  | 27.5° | 7278.6  | 6723.0 | 4143.2 | 1515.1 | 888.0  | 854.3  | 808.0  | 763.8  | 744.9  | 740.7  |
| 7333.3  | 30°   | 7516.3  | 6739.9 | 3617.2 | 1130.0 | 822.8  | 780.7  | 713.3  | 662.8  | 652.3  | 654.4  |
| 7682.6  | 32.5° | 7806.7  | 6765.1 | 3086.9 | 925.9  | 768.0  | 692.3  | 612.3  | 559.7  | 551.3  | 559.7  |
| 8191.8  | 35°   | 8153.9  | 6815.6 | 2575.6 | 852.2  | 719.7  | 601.8  | 515.5  | 471.3  | 462.9  | 469.2  |
| 8844.1  | 37.5° | 8625.3  | 6897.7 | 2097.9 | 837.5  | 679.7  | 526.1  | 433.5  | 397.7  | 397.7  | 399.8  |
| 9643.7  | 40°   | 9252.3  | 7116.5 | 1670.8 | 827.0  | 658.6  | 469.2  | 366.1  | 351.4  | 357.7  | 361.9  |
| 10662.2 | 42.5° | 10016.2 | 7581.6 | 1382.5 | 814.3  | 635.5  | 444.0  | 332.5  | 326.2  | 336.7  | 340.9  |
| 11882.6 | 45°   | 10872.6 | 8170.8 | 1281.5 | 793.3  | 614.4  | 460.8  | 317.7  | 309.3  | 321.9  | 324.1  |
| 13250.4 | 47.5° | 11758.5 | 8747.3 | 1268.9 | 770.2  | 593.4  | 486.1  | 313.5  | 294.6  | 309.3  | 311.4  |
| 14710.7 | 50°   | 12654.9 | 9124.0 | 1281.5 | 734.4  | 559.7  | 486.1  | 315.6  | 279.9  | 292.5  | 298.8  |
| 16225.8 | 52.5° | 13557.6 | 9296.5 | 1273.1 | 656.5  | 500.8  | 456.6  | 315.6  | 267.2  | 279.9  | 284.1  |
| 17862.9 | 55°   | 14433.0 | 9262.9 | 1144.7 | 540.8  | 425.1  | 404.0  | 307.2  | 256.7  | 265.1  | 267.2  |
| 19409.5 | 57.5° | 15125.3 | 8793.6 | 906.9  | 420.8  | 345.1  | 336.7  | 279.9  | 244.1  | 250.4  | 248.3  |
| 20827.8 | 60°   | 15487.2 | 7762.5 | 648.1  | 324.1  | 271.4  | 265.1  | 246.2  | 227.3  | 231.5  | 220.9  |
| 22029.3 | 62.5° | 15491.4 | 6399.0 | 433.5  | 256.7  | 216.7  | 210.4  | 210.4  | 204.1  | 199.9  | 178.9  |
| 22959.4 | 65°   | 15161.1 | 4886.0 | 288.3  | 204.1  | 174.7  | 164.1  | 176.8  | 174.7  | 159.9  | 130.5  |
| 23243.4 | 67.5° | 14411.9 | 3202.7 | 218.8  | 159.9  | 134.7  | 128.4  | 141.0  | 147.3  | 136.8  | 109.4  |
| 22208.2 | 70°   | 12871.6 | 1864.4 | 181.0  | 124.2  | 101.0  | 94.7   | 113.6  | 126.3  | 113.6  | 88.4   |
| 18982.4 | 72.5° | 10691.6 | 1005.8 | 147.3  | 92.6   | 69.4   | 63.1   | 90.5   | 103.1  | 90.5   | 65.2   |
| 12179.3 | 75°   | 6937.7  | 538.7  | 113.6  | 61.0   | 35.8   | 40.0   | 67.3   | 75.8   | 63.1   | 42.1   |
| 3575.1  | 77.5° | 2329.4  | 237.8  | 71.5   | 29.5   | 16.8   | 16.8   | 40.0   | 46.3   | 29.5   | 14.7   |
| 650.2   | 80°   | 519.7   | 98.9   | 29.5   | 12.6   | 6.3    | 6.3    | 8.4    | 8.4    | 4.2    | 0.0    |
| 199.9   | 82.5° | 170.4   | 40.0   | 12.6   | 4.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 50.5    | 85°   | 65.2    | 14.7   | 4.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 16.8    | 87.5° | 25.3    | 2.1    | 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    |

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| 180°   |
|--------|
| 5197.5 |
| 5128.0 |
| 4509.4 |
| 3587.7 |
| 2409.4 |
| 1449.8 |
| 1075.3 |
| 1007.9 |
| 961.6  |
| 898.5  |
| 816.4  |
| 736.5  |
| 654.4  |
| 557.6  |
| 467.1  |
| 397.7  |
| 361.9  |
| 340.9  |
| 326.2  |
| 313.5  |
| 300.9  |
| 284.1  |
| 267.2  |
| 248.3  |
| 218.8  |
| 172.5  |
| 126.3  |
| 107.3  |
| 84.2   |
| 63.1   |
| 37.9   |
| 12.6   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |