

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: P949971

Luminaire Tested: **GLAN-SB4C-760-U-T3R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P949971  
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-SB4C-760-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 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: 26437 lumens  
Efficiency: N/A  
Efficacy: 131.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G4

Input Watts (W): 200.7  
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

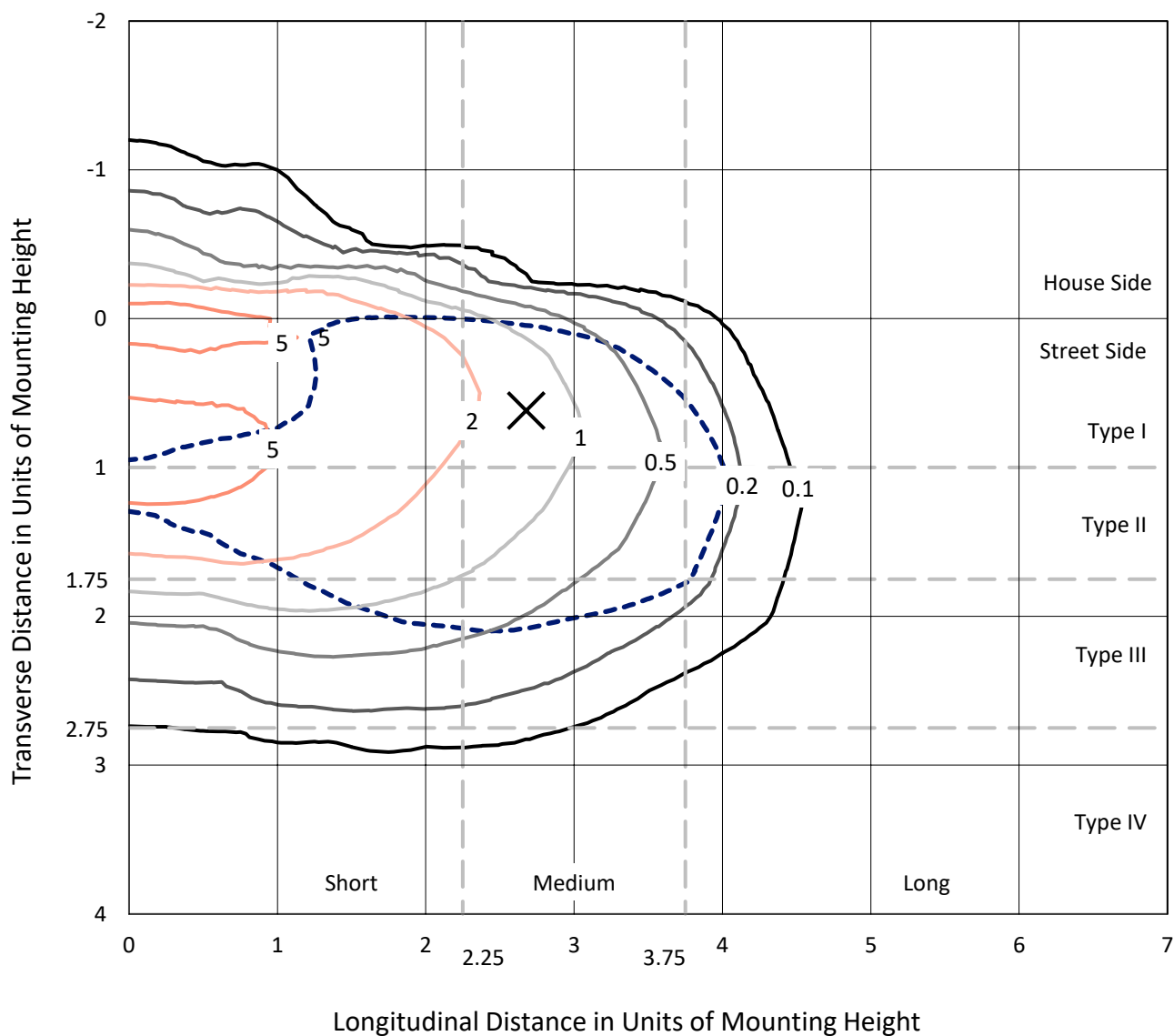


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## Iso-Footcandle Lines of Horizontal Illumination

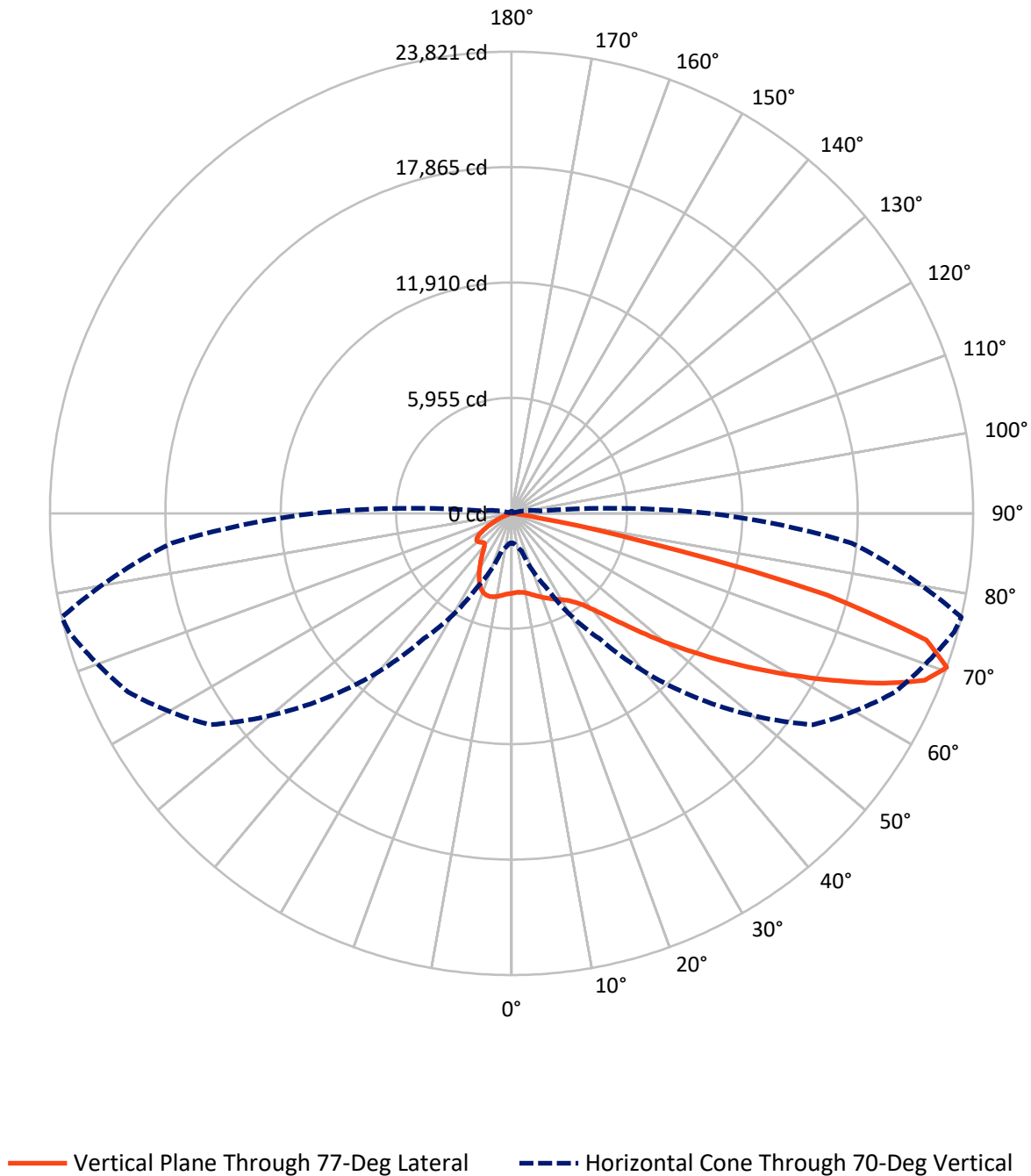
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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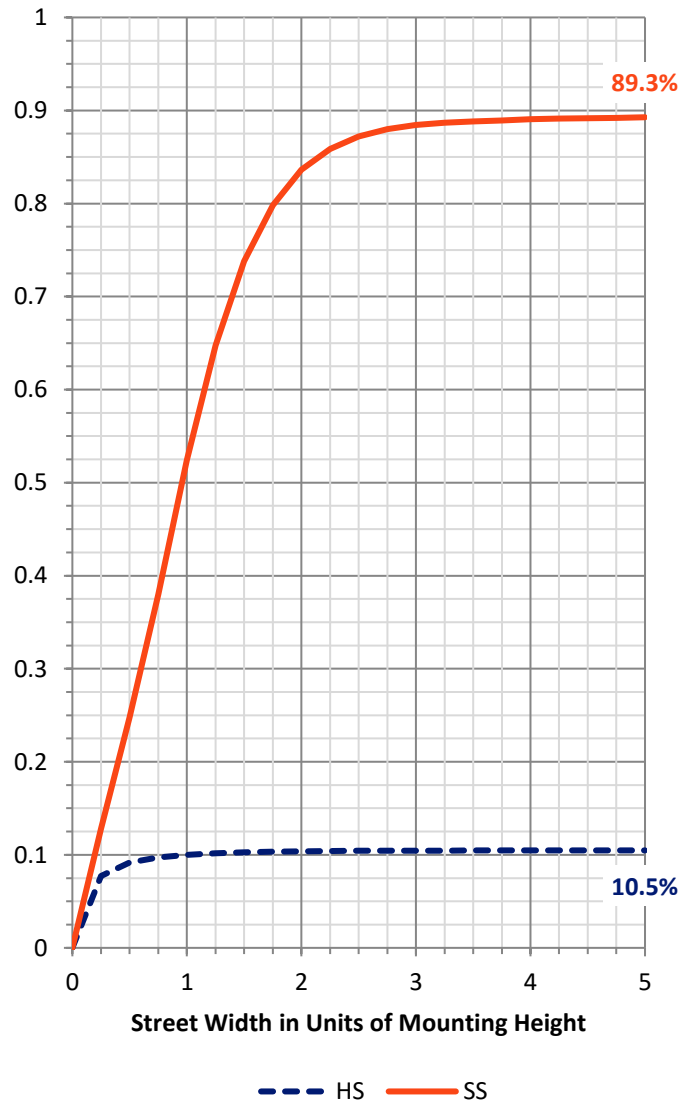
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2786.8   | 0.0    | 2786.8  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 23650.2  | 0.0    | 23650.2 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 26437.0  | 0.0    | 26437.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 355.4   | 1.3       |
| 10°-20°   | 843.7   | 3.2       |
| 20°-30°   | 1304.9  | 4.9       |
| 30°-40°   | 2367.9  | 9.0       |
| 40°-50°   | 4469.6  | 16.9      |
| 50°-60°   | 6458.2  | 24.4      |
| 60°-70°   | 6874.6  | 26.0      |
| 70°-80°   | 3643.1  | 13.8      |
| 80°-90°   | 119.6   | 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°    | 26437.0 | 100.0     |
| 0°-180°   | 26437.0 | 100.0     |

**Coefficient of Utilization**



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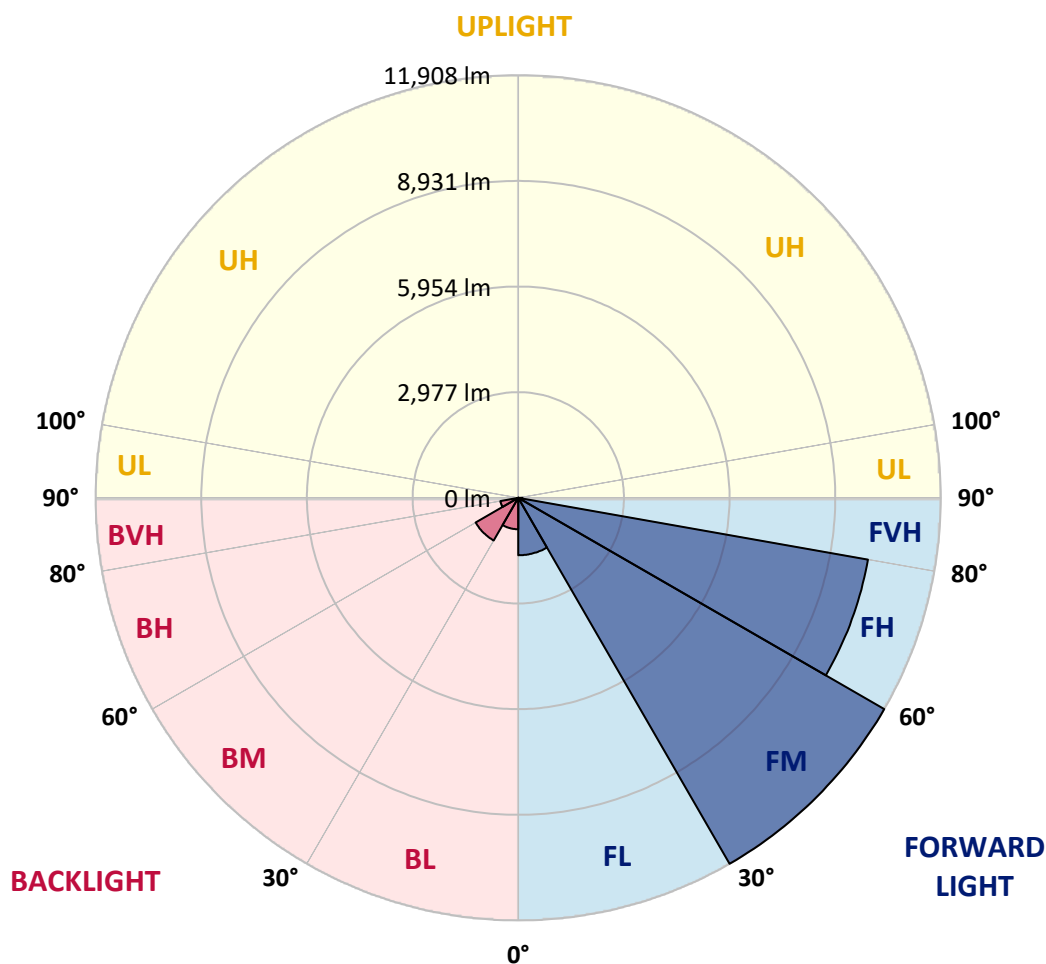
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1618.6  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 11908.4 | 45.0      |                         |      |          |
| FH   | (60°-80°)   | 10006.8 | 37.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 116.4   | 0.4       |                         |      | G2/225   |
| BL   | (0°-30°)    | 885.4   | 3.3       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1387.3  | 5.2       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 510.9   | 1.9       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 3.2     | 0.0       |                         |      | G0/10    |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B2-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4123.7  | 4123.7  | 4123.7  | 4123.7  | 4123.7  | 4123.7  | 4123.7  | 4123.7  | 4123.7  | 4123.7  |
| 2.5°  | 3871.6  | 3906.7  | 3901.6  | 3925.0  | 3933.4  | 3966.8  | 4000.2  | 4045.2  | 4095.3  | 4093.6  |
| 5°    | 3652.9  | 3688.0  | 3696.3  | 3728.0  | 3768.1  | 3819.8  | 3888.3  | 3978.4  | 4071.9  | 4087.0  |
| 7.5°  | 3394.1  | 3430.8  | 3452.6  | 3516.0  | 3589.5  | 3696.3  | 3808.2  | 3940.0  | 4095.3  | 4117.0  |
| 10°   | 3135.3  | 3168.7  | 3197.1  | 3287.3  | 3404.1  | 3562.7  | 3744.7  | 3935.0  | 4143.7  | 4175.4  |
| 12.5° | 2975.1  | 3006.8  | 3038.5  | 3117.0  | 3262.2  | 3455.9  | 3703.0  | 3958.4  | 4223.9  | 4268.9  |
| 15°   | 2918.3  | 2946.7  | 2971.7  | 3041.9  | 3177.1  | 3397.5  | 3694.6  | 4006.8  | 4325.7  | 4385.8  |
| 17.5° | 2926.7  | 2941.7  | 2958.4  | 3011.8  | 3143.7  | 3370.7  | 3709.7  | 4090.3  | 4445.9  | 4499.3  |
| 20°   | 2975.1  | 2983.4  | 2985.1  | 3021.8  | 3138.7  | 3367.4  | 3739.7  | 4170.4  | 4559.4  | 4631.2  |
| 22.5° | 3036.8  | 3040.2  | 3036.8  | 3061.9  | 3170.4  | 3392.4  | 3779.8  | 4267.3  | 4686.3  | 4753.1  |
| 25°   | 3325.7  | 3262.2  | 3182.1  | 3133.7  | 3223.8  | 3440.9  | 3839.9  | 4397.5  | 4824.9  | 4890.0  |
| 27.5° | 4222.2  | 4040.2  | 3753.1  | 3430.8  | 3334.0  | 3511.0  | 3923.4  | 4529.4  | 4965.1  | 5023.6  |
| 30°   | 5678.0  | 5439.3  | 4951.8  | 4225.5  | 3688.0  | 3657.9  | 4031.9  | 4661.3  | 5113.7  | 5177.2  |
| 32.5° | 7137.2  | 7078.7  | 6516.1  | 5511.1  | 4484.3  | 3985.1  | 4212.2  | 4839.9  | 5310.7  | 5360.8  |
| 35°   | 8613.0  | 8494.5  | 8033.7  | 7040.3  | 5711.4  | 4651.3  | 4512.7  | 5073.6  | 5569.5  | 5626.3  |
| 37.5° | 9743.3  | 9671.5  | 9386.0  | 8567.9  | 7167.2  | 5679.7  | 5026.9  | 5435.9  | 5945.1  | 6008.6  |
| 40°   | 10741.6 | 10708.2 | 10611.4 | 10072.2 | 8795.0  | 7025.3  | 5826.6  | 5996.9  | 6466.0  | 6541.1  |
| 42.5° | 11526.3 | 11604.8 | 11659.9 | 11509.6 | 10472.8 | 8561.3  | 6901.8  | 6784.9  | 7192.3  | 7269.1  |
| 45°   | 12329.3 | 12356.1 | 12578.1 | 12795.1 | 12139.0 | 10167.3 | 8113.8  | 7708.1  | 8095.5  | 8190.6  |
| 47.5° | 12845.2 | 12952.1 | 13342.7 | 13725.1 | 13539.7 | 11760.0 | 9416.0  | 8798.3  | 9142.2  | 9320.9  |
| 50°   | 12883.6 | 13085.6 | 13623.2 | 14289.4 | 14559.8 | 13276.0 | 10831.8 | 10040.4 | 10406.1 | 10603.1 |
| 52.5° | 12244.2 | 12558.1 | 13391.2 | 14366.2 | 15110.8 | 14559.8 | 12296.0 | 11282.6 | 11751.7 | 12008.8 |
| 55°   | 9387.7  | 9798.4  | 12518.0 | 13948.8 | 15132.5 | 15533.1 | 13721.7 | 12576.4 | 13250.9 | 13541.4 |
| 57.5° | 8178.9  | 8386.0  | 9841.8  | 13224.2 | 14730.1 | 15925.5 | 15010.6 | 13808.5 | 14882.0 | 15242.6 |
| 60°   | 6804.9  | 7077.1  | 8254.1  | 12038.9 | 14184.2 | 15963.9 | 16149.2 | 15397.9 | 16650.0 | 17055.7 |
| 62.5° | 4624.5  | 4920.1  | 6090.4  | 10002.0 | 13437.9 | 15945.5 | 17082.4 | 17034.0 | 18615.1 | 19050.8 |
| 65°   | 2864.9  | 3050.2  | 3821.5  | 8167.3  | 12394.5 | 15965.5 | 18059.1 | 19020.7 | 20688.6 | 21131.0 |
| 67.5° | 2263.9  | 2349.0  | 2751.4  | 6270.7  | 10596.4 | 15514.8 | 19034.1 | 20888.9 | 22640.3 | 22990.8 |
| 70°   | 1520.9  | 1572.7  | 2001.7  | 4203.8  | 7883.4  | 13434.6 | 19015.7 | 21827.2 | 23645.3 | 23820.6 |
| 72.5° | 801.4   | 841.4   | 1170.3  | 1946.7  | 4761.4  | 9549.6  | 16029.0 | 20705.3 | 22645.3 | 22381.5 |
| 75°   | 400.7   | 467.5   | 788.0   | 988.4   | 2033.5  | 5325.7  | 9953.6  | 16324.5 | 17823.7 | 16802.0 |
| 77.5° | 303.9   | 367.3   | 651.1   | 651.1   | 707.9   | 1793.1  | 4215.5  | 8903.5  | 8212.3  | 6838.3  |
| 80°   | 193.7   | 250.4   | 569.3   | 492.5   | 295.5   | 455.8   | 1098.5  | 2494.3  | 1744.6  | 1327.3  |
| 82.5° | 113.5   | 163.6   | 474.1   | 325.6   | 165.3   | 168.6   | 310.5   | 530.9   | 452.4   | 352.3   |
| 85°   | 45.1    | 106.8   | 325.6   | 128.6   | 65.1    | 41.7    | 93.5    | 113.5   | 93.5    | 70.1    |
| 87.5° | 0.0     | 25.0    | 56.8    | 0.0     | 5.0     | 3.3     | 6.7     | 8.3     | 8.3     | 6.7     |
| 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):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4123.7  | 0°    | 4123.7  | 4123.7 | 4123.7 | 4123.7 | 4123.7 | 4123.7 | 4123.7 | 4123.7 | 4123.7 | 4123.7 |
| 4127.0  | 2.5°  | 4142.1  | 4145.4 | 4155.4 | 4157.1 | 4133.7 | 4103.7 | 4092.0 | 4087.0 | 4066.9 | 4065.3 |
| 4153.7  | 5°    | 4192.1  | 4207.2 | 4192.1 | 4148.7 | 4045.2 | 3900.0 | 3789.8 | 3699.6 | 3617.8 | 3592.8 |
| 4245.6  | 7.5°  | 4292.3  | 4307.3 | 4262.3 | 4092.0 | 3831.5 | 3542.7 | 3282.3 | 3098.6 | 2933.3 | 2871.6 |
| 4357.4  | 10°   | 4435.9  | 4455.9 | 4314.0 | 3970.1 | 3509.3 | 3045.2 | 2604.4 | 2293.9 | 2051.8 | 1953.3 |
| 4509.4  | 12.5° | 4616.2  | 4624.5 | 4342.4 | 3784.8 | 3090.3 | 2427.5 | 1803.1 | 1470.8 | 1255.5 | 1175.3 |
| 4693.0  | 15°   | 4814.9  | 4803.2 | 4345.7 | 3532.7 | 2519.3 | 1716.3 | 1177.0 | 966.6  | 879.8  | 853.1  |
| 4876.6  | 17.5° | 5023.6  | 4975.1 | 4279.0 | 3168.7 | 1893.2 | 1173.7 | 873.2  | 823.1  | 808.0  | 801.4  |
| 5058.6  | 20°   | 5228.9  | 5120.4 | 4157.1 | 2692.9 | 1359.0 | 876.5  | 793.0  | 778.0  | 769.6  | 766.3  |
| 5242.3  | 22.5° | 5415.9  | 5230.6 | 3948.4 | 2140.3 | 986.7  | 774.7  | 749.6  | 736.3  | 721.2  | 714.6  |
| 5420.9  | 25°   | 5597.9  | 5294.0 | 3654.6 | 1624.4 | 789.7  | 724.6  | 704.5  | 679.5  | 659.5  | 651.1  |
| 5612.9  | 27.5° | 5774.8  | 5334.1 | 3287.3 | 1202.0 | 704.5  | 677.8  | 641.1  | 606.0  | 591.0  | 587.7  |
| 5818.2  | 30°   | 5963.5  | 5347.4 | 2869.9 | 896.5  | 652.8  | 619.4  | 566.0  | 525.9  | 517.5  | 519.2  |
| 6095.4  | 32.5° | 6193.9  | 5367.5 | 2449.2 | 734.6  | 609.4  | 549.3  | 485.8  | 444.1  | 437.4  | 444.1  |
| 6499.4  | 35°   | 6469.4  | 5407.5 | 2043.5 | 676.2  | 571.0  | 477.5  | 409.0  | 374.0  | 367.3  | 372.3  |
| 7017.0  | 37.5° | 6843.3  | 5472.7 | 1664.5 | 664.5  | 539.3  | 417.4  | 343.9  | 315.5  | 315.5  | 317.2  |
| 7651.4  | 40°   | 7340.8  | 5646.3 | 1325.6 | 656.1  | 522.6  | 372.3  | 290.5  | 278.8  | 283.8  | 287.2  |
| 8459.4  | 42.5° | 7946.9  | 6015.3 | 1096.9 | 646.1  | 504.2  | 352.3  | 263.8  | 258.8  | 267.1  | 270.5  |
| 9427.7  | 45°   | 8626.4  | 6482.7 | 1016.7 | 629.4  | 487.5  | 365.6  | 252.1  | 245.4  | 255.4  | 257.1  |
| 10512.9 | 47.5° | 9329.2  | 6940.2 | 1006.7 | 611.0  | 470.8  | 385.7  | 248.8  | 233.7  | 245.4  | 247.1  |
| 11671.6 | 50°   | 10040.4 | 7239.0 | 1016.7 | 582.7  | 444.1  | 385.7  | 250.4  | 222.0  | 232.1  | 237.1  |
| 12873.6 | 52.5° | 10756.7 | 7375.9 | 1010.1 | 520.9  | 397.3  | 362.3  | 250.4  | 212.0  | 222.0  | 225.4  |
| 14172.5 | 55°   | 11451.2 | 7349.2 | 908.2  | 429.1  | 337.2  | 320.5  | 243.7  | 203.7  | 210.4  | 212.0  |
| 15399.6 | 57.5° | 12000.5 | 6976.9 | 719.6  | 333.9  | 273.8  | 267.1  | 222.0  | 193.7  | 198.7  | 197.0  |
| 16524.8 | 60°   | 12287.6 | 6158.8 | 514.2  | 257.1  | 215.4  | 210.4  | 195.3  | 180.3  | 183.6  | 175.3  |
| 17478.1 | 62.5° | 12290.9 | 5077.0 | 343.9  | 203.7  | 172.0  | 167.0  | 167.0  | 161.9  | 158.6  | 141.9  |
| 18216.0 | 65°   | 12028.8 | 3876.6 | 228.7  | 161.9  | 138.6  | 130.2  | 140.2  | 138.6  | 126.9  | 103.5  |
| 18441.4 | 67.5° | 11434.5 | 2541.0 | 173.6  | 126.9  | 106.8  | 101.8  | 111.9  | 116.9  | 108.5  | 86.8   |
| 17620.0 | 70°   | 10212.4 | 1479.2 | 143.6  | 98.5   | 80.1   | 75.1   | 90.2   | 100.2  | 90.2   | 70.1   |
| 15060.7 | 72.5° | 8482.8  | 798.0  | 116.9  | 73.5   | 55.1   | 50.1   | 71.8   | 81.8   | 71.8   | 51.8   |
| 9663.1  | 75°   | 5504.4  | 427.4  | 90.2   | 48.4   | 28.4   | 31.7   | 53.4   | 60.1   | 50.1   | 33.4   |
| 2836.5  | 77.5° | 1848.1  | 188.7  | 56.8   | 23.4   | 13.4   | 13.4   | 31.7   | 36.7   | 23.4   | 11.7   |
| 515.9   | 80°   | 412.4   | 78.5   | 23.4   | 10.0   | 5.0    | 5.0    | 6.7    | 6.7    | 3.3    | 0.0    |
| 158.6   | 82.5° | 135.2   | 31.7   | 10.0   | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 40.1    | 85°   | 51.8    | 11.7   | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 13.4    | 87.5° | 20.0    | 1.7    | 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°   |
|--------|
| 4123.7 |
| 4068.6 |
| 3577.8 |
| 2846.5 |
| 1911.6 |
| 1150.3 |
| 853.1  |
| 799.7  |
| 763.0  |
| 712.9  |
| 647.8  |
| 584.3  |
| 519.2  |
| 442.4  |
| 370.6  |
| 315.5  |
| 287.2  |
| 270.5  |
| 258.8  |
| 248.8  |
| 238.7  |
| 225.4  |
| 212.0  |
| 197.0  |
| 173.6  |
| 136.9  |
| 100.2  |
| 85.1   |
| 66.8   |
| 50.1   |
| 30.1   |
| 10.0   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |