

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: P955452

Luminaire Tested: **GLAN-SB8B-927-U-T3R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P955452  
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-SB8B-927-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 450mA 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: 23075 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G4

Input Watts (W): 292.8  
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

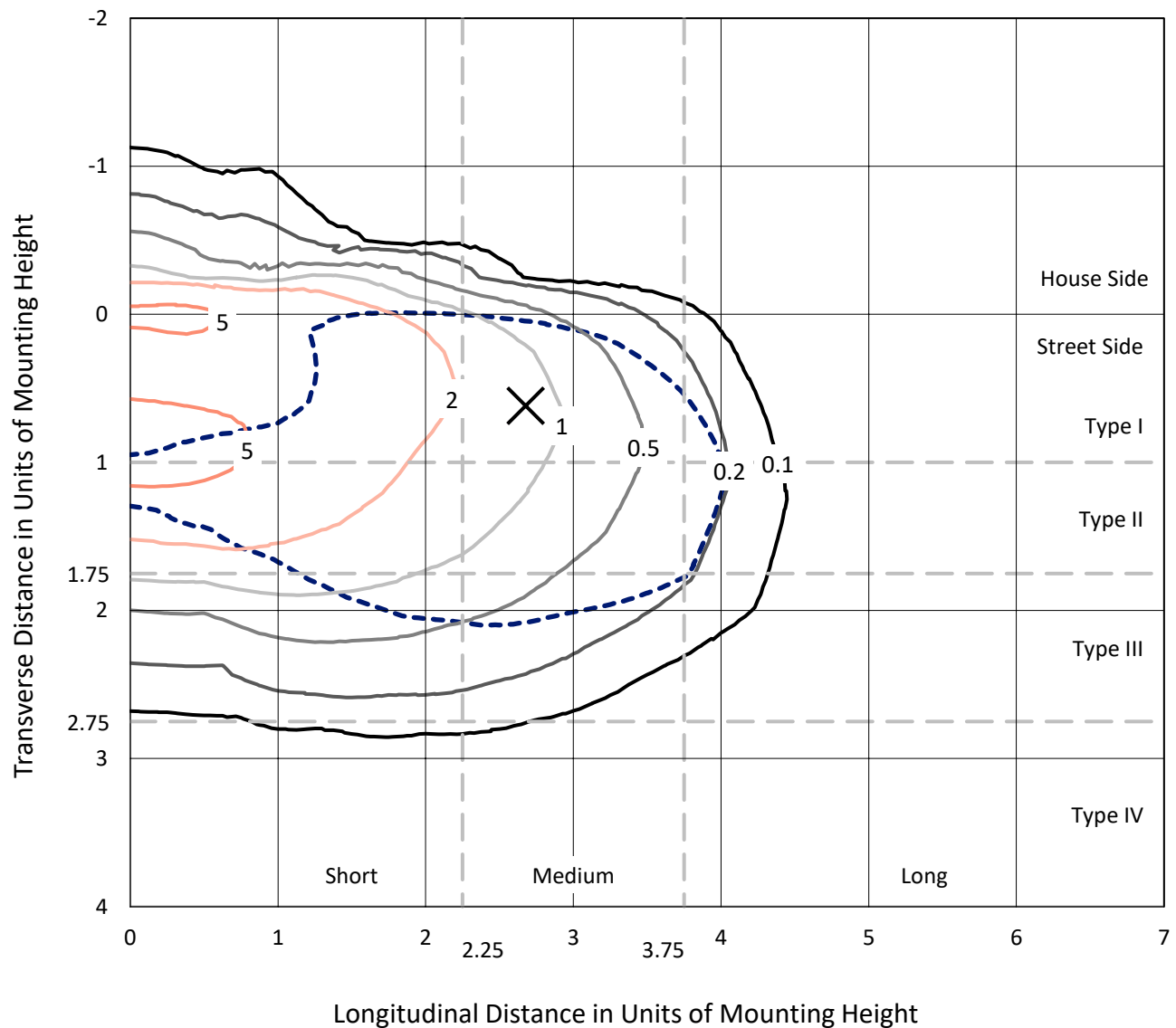


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## Iso-Footcandle Lines of Horizontal Illumination

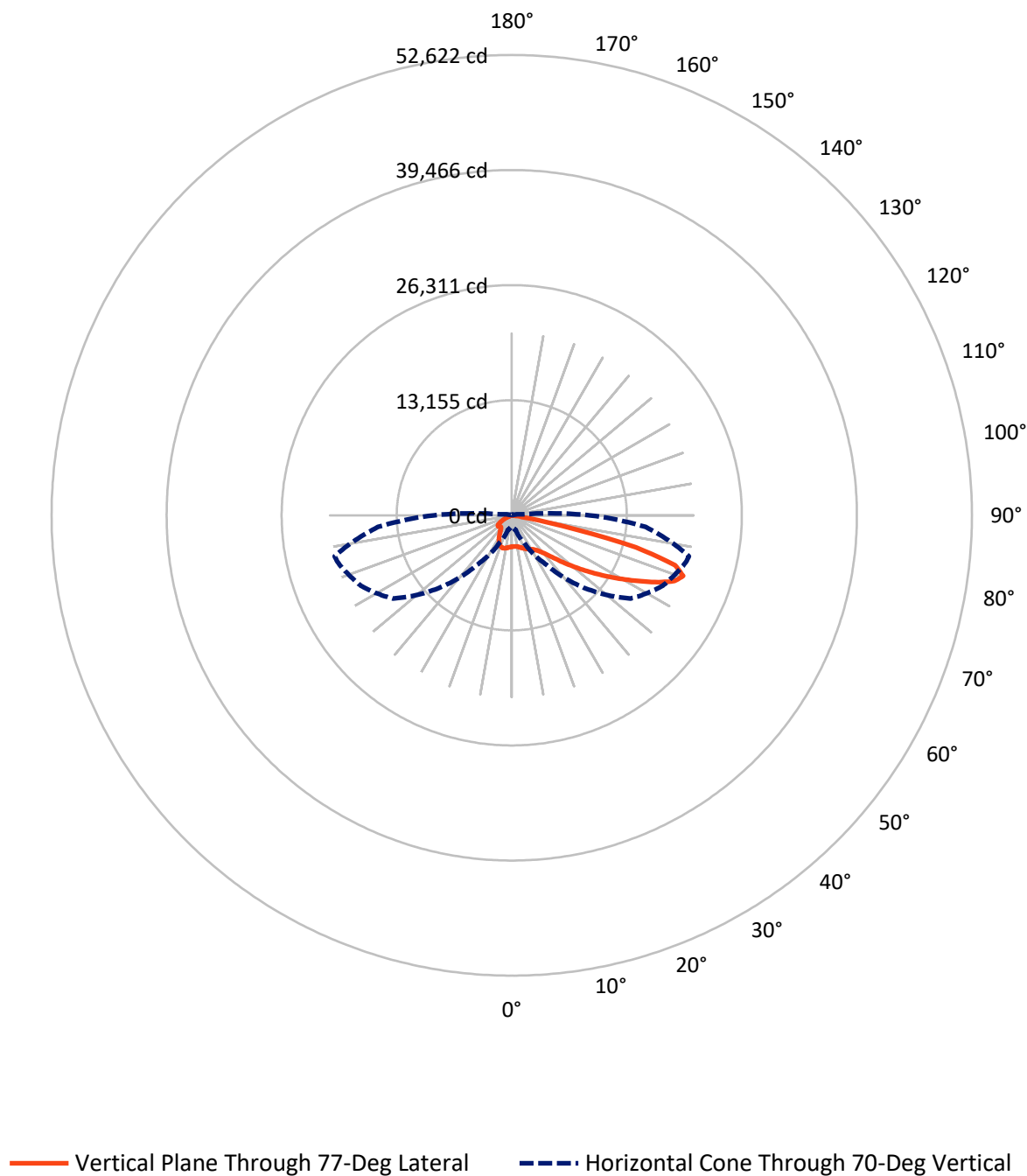
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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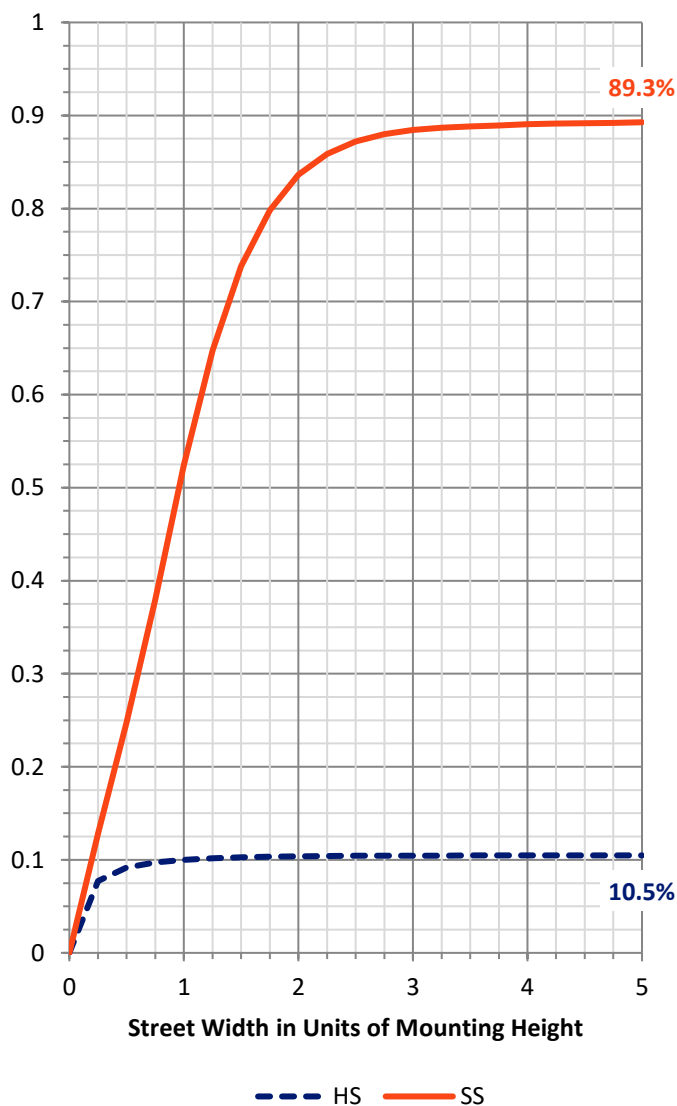
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2432.4   | 0.0    | 2432.4  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 20642.6  | 0.0    | 20642.6 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 23075.0  | 0.0    | 23075.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 310.2   | 1.3       |
| 10°-20°   | 736.4   | 3.2       |
| 20°-30°   | 1139.0  | 4.9       |
| 30°-40°   | 2066.7  | 9.0       |
| 40°-50°   | 3901.2  | 16.9      |
| 50°-60°   | 5636.9  | 24.4      |
| 60°-70°   | 6000.4  | 26.0      |
| 70°-80°   | 3179.8  | 13.8      |
| 80°-90°   | 104.4   | 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°    | 23075.0 | 100.0     |
| 0°-180°   | 23075.0 | 100.0     |

**Coefficient of Utilization**



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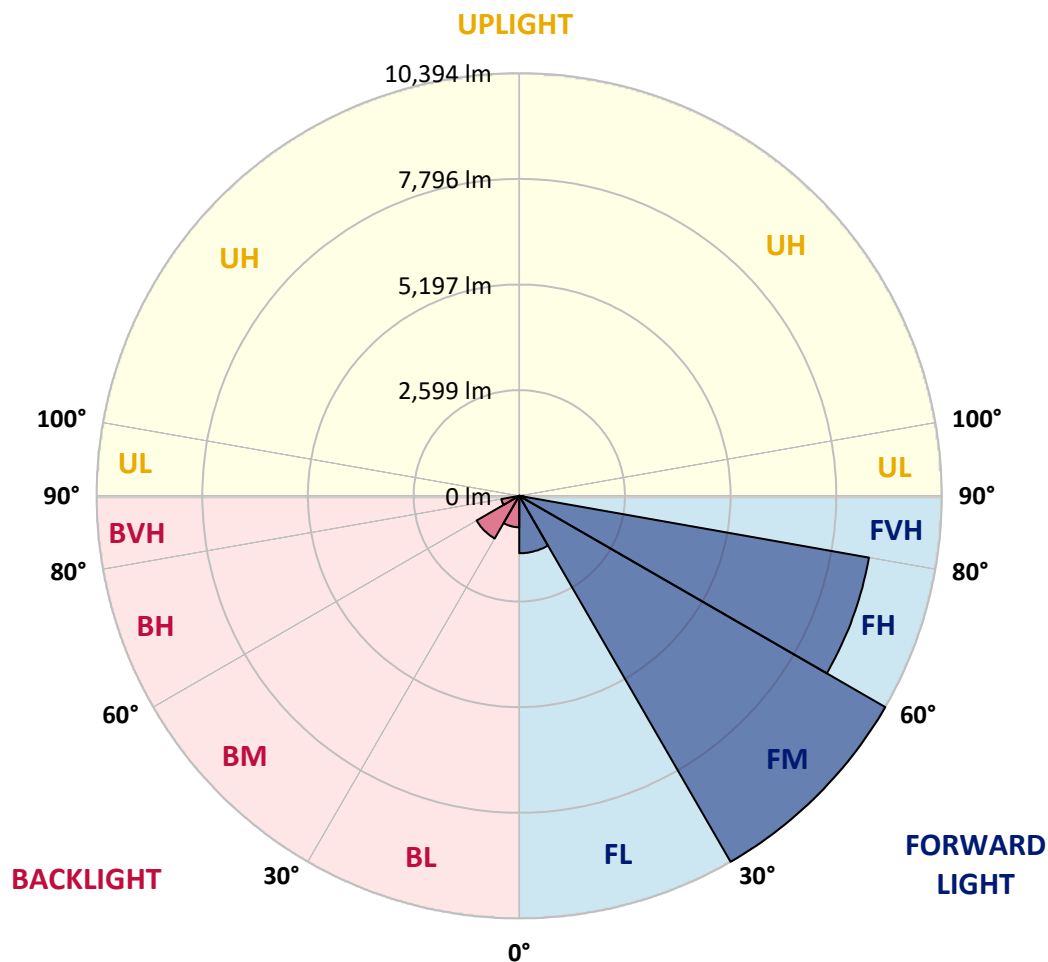
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1412.7  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 10394.0 | 45.0      |                         |      |          |
| FH   | (60°-80°)   | 8734.2  | 37.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 101.6   | 0.4       |                         |      | G2/225   |
| BL   | (0°-30°)    | 772.8   | 3.3       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1210.9  | 5.2       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 445.9   | 1.9       | B1/500                  |      | G1/500   |
| BVH  | (80°-90°)   | 2.8     | 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°    | 3599.3  | 3599.3  | 3599.3  | 3599.3  | 3599.3  | 3599.3  | 3599.3  | 3599.3  | 3599.3  | 3599.3  |
| 2.5°  | 3379.2  | 3409.8  | 3405.5  | 3425.9  | 3433.2  | 3462.3  | 3491.5  | 3530.8  | 3574.5  | 3573.1  |
| 5°    | 3188.4  | 3219.0  | 3226.2  | 3253.9  | 3288.9  | 3334.1  | 3393.8  | 3472.5  | 3554.1  | 3567.2  |
| 7.5°  | 2962.5  | 2994.5  | 3013.5  | 3068.9  | 3133.0  | 3226.2  | 3323.9  | 3439.0  | 3574.5  | 3593.5  |
| 10°   | 2736.6  | 2765.8  | 2790.5  | 2869.2  | 2971.2  | 3109.7  | 3268.5  | 3434.6  | 3616.8  | 3644.5  |
| 12.5° | 2596.7  | 2624.4  | 2652.1  | 2720.6  | 2847.4  | 3016.4  | 3232.1  | 3455.0  | 3686.7  | 3726.1  |
| 15°   | 2547.2  | 2572.0  | 2593.8  | 2655.0  | 2773.1  | 2965.4  | 3224.8  | 3497.3  | 3775.6  | 3828.1  |
| 17.5° | 2554.5  | 2567.6  | 2582.2  | 2628.8  | 2743.9  | 2942.1  | 3237.9  | 3570.1  | 3880.5  | 3927.2  |
| 20°   | 2596.7  | 2604.0  | 2605.5  | 2637.5  | 2739.5  | 2939.2  | 3264.1  | 3640.1  | 3979.6  | 4042.3  |
| 22.5° | 2650.6  | 2653.6  | 2650.6  | 2672.5  | 2767.2  | 2961.0  | 3299.1  | 3724.6  | 4090.4  | 4148.6  |
| 25°   | 2902.7  | 2847.4  | 2777.4  | 2735.2  | 2813.9  | 3003.3  | 3351.6  | 3838.3  | 4211.3  | 4268.1  |
| 27.5° | 3685.3  | 3526.4  | 3275.8  | 2994.5  | 2910.0  | 3064.5  | 3424.4  | 3953.4  | 4333.7  | 4384.7  |
| 30°   | 4955.9  | 4747.6  | 4322.1  | 3688.2  | 3219.0  | 3192.7  | 3519.1  | 4068.5  | 4463.4  | 4518.8  |
| 32.5° | 6229.5  | 6178.5  | 5687.5  | 4810.2  | 3914.0  | 3478.3  | 3676.5  | 4224.4  | 4635.4  | 4679.1  |
| 35°   | 7517.7  | 7414.2  | 7012.0  | 6145.0  | 4985.1  | 4059.8  | 3938.8  | 4428.4  | 4861.2  | 4910.8  |
| 37.5° | 8504.2  | 8441.6  | 8192.4  | 7478.3  | 6255.8  | 4957.4  | 4387.6  | 4744.6  | 5189.1  | 5244.5  |
| 40°   | 9375.6  | 9346.5  | 9262.0  | 8791.3  | 7676.5  | 6131.9  | 5085.6  | 5234.3  | 5643.7  | 5709.3  |
| 42.5° | 10060.5 | 10129.0 | 10177.1 | 10045.9 | 9141.0  | 7472.5  | 6024.1  | 5922.1  | 6277.6  | 6344.6  |
| 45°   | 10761.4 | 10784.7 | 10978.5 | 11168.0 | 10595.3 | 8874.3  | 7082.0  | 6727.9  | 7066.0  | 7149.0  |
| 47.5° | 11211.7 | 11305.0 | 11645.9 | 11979.6 | 11817.9 | 10264.5 | 8218.6  | 7679.4  | 7979.6  | 8135.5  |
| 50°   | 11245.2 | 11421.5 | 11890.7 | 12472.2 | 12708.2 | 11587.7 | 9454.3  | 8763.6  | 9082.7  | 9254.7  |
| 52.5° | 10687.1 | 10961.1 | 11688.2 | 12539.2 | 13189.1 | 12708.2 | 10732.3 | 9847.8  | 10257.2 | 10481.6 |
| 55°   | 8193.8  | 8552.3  | 10926.1 | 12174.9 | 13208.1 | 13557.8 | 11976.7 | 10977.1 | 11565.8 | 11819.3 |
| 57.5° | 7138.8  | 7319.5  | 8590.2  | 11542.5 | 12856.9 | 13900.2 | 13101.7 | 12052.5 | 12989.5 | 13304.2 |
| 60°   | 5939.5  | 6177.1  | 7204.4  | 10507.9 | 12380.4 | 13933.7 | 14095.5 | 13439.8 | 14532.7 | 14886.8 |
| 62.5° | 4036.4  | 4294.4  | 5315.9  | 8730.1  | 11729.0 | 13917.7 | 14910.1 | 14867.8 | 16247.8 | 16628.1 |
| 65°   | 2500.6  | 2662.3  | 3335.5  | 7128.6  | 10818.3 | 13935.2 | 15762.5 | 16601.9 | 18057.6 | 18443.8 |
| 67.5° | 1976.0  | 2050.3  | 2401.5  | 5473.2  | 9248.8  | 13541.8 | 16613.5 | 18232.5 | 19761.1 | 20067.1 |
| 70°   | 1327.5  | 1372.7  | 1747.2  | 3669.2  | 6880.9  | 11726.1 | 16597.5 | 19051.4 | 20638.3 | 20791.3 |
| 72.5° | 699.5   | 734.4   | 1021.5  | 1699.1  | 4155.9  | 8335.2  | 13990.6 | 18072.2 | 19765.5 | 19535.2 |
| 75°   | 349.7   | 408.0   | 687.8   | 862.7   | 1774.9  | 4648.5  | 8687.8  | 14248.5 | 15557.1 | 14665.3 |
| 77.5° | 265.2   | 320.6   | 568.3   | 568.3   | 617.9   | 1565.0  | 3679.4  | 7771.2  | 7168.0  | 5968.7  |
| 80°   | 169.0   | 218.6   | 496.9   | 429.9   | 257.9   | 397.8   | 958.8   | 2177.1  | 1522.8  | 1158.5  |
| 82.5° | 99.1    | 142.8   | 413.8   | 284.2   | 144.3   | 147.2   | 271.0   | 463.4   | 394.9   | 307.5   |
| 85°   | 39.3    | 93.3    | 284.2   | 112.2   | 56.8    | 36.4    | 81.6    | 99.1    | 81.6    | 61.2    |
| 87.5° | 0.0     | 21.9    | 49.5    | 0.0     | 4.4     | 2.9     | 5.8     | 7.3     | 7.3     | 5.8     |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3599.3  | 0°    | 3599.3  | 3599.3 | 3599.3 | 3599.3 | 3599.3 | 3599.3 | 3599.3 | 3599.3 | 3599.3 | 3599.3 |
| 3602.2  | 2.5°  | 3615.3  | 3618.2 | 3627.0 | 3628.4 | 3608.0 | 3581.8 | 3571.6 | 3567.2 | 3549.7 | 3548.3 |
| 3625.5  | 5°    | 3659.0  | 3672.1 | 3659.0 | 3621.1 | 3530.8 | 3404.0 | 3307.8 | 3229.2 | 3157.8 | 3135.9 |
| 3705.7  | 7.5°  | 3746.5  | 3759.6 | 3720.2 | 3571.6 | 3344.3 | 3092.2 | 2864.9 | 2704.6 | 2560.3 | 2506.4 |
| 3803.3  | 10°   | 3871.8  | 3889.3 | 3765.4 | 3465.2 | 3063.0 | 2657.9 | 2273.2 | 2002.2 | 1790.9 | 1704.9 |
| 3935.9  | 12.5° | 4029.2  | 4036.4 | 3790.2 | 3303.5 | 2697.3 | 2118.8 | 1573.8 | 1283.8 | 1095.8 | 1025.9 |
| 4096.2  | 15°   | 4202.6  | 4192.4 | 3793.1 | 3083.4 | 2198.9 | 1498.0 | 1027.3 | 843.7  | 767.9  | 744.6  |
| 4256.5  | 17.5° | 4384.7  | 4342.5 | 3734.8 | 2765.8 | 1652.5 | 1024.4 | 762.1  | 718.4  | 705.3  | 699.5  |
| 4415.3  | 20°   | 4563.9  | 4469.2 | 3628.4 | 2350.5 | 1186.2 | 765.0  | 692.2  | 679.1  | 671.8  | 668.9  |
| 4575.6  | 22.5° | 4727.2  | 4565.4 | 3446.3 | 1868.1 | 861.2  | 676.1  | 654.3  | 642.6  | 629.5  | 623.7  |
| 4731.5  | 25°   | 4886.0  | 4620.8 | 3189.8 | 1417.9 | 689.3  | 632.4  | 614.9  | 593.1  | 575.6  | 568.3  |
| 4899.1  | 27.5° | 5040.5  | 4655.8 | 2869.2 | 1049.2 | 614.9  | 591.6  | 559.6  | 529.0  | 515.8  | 512.9  |
| 5078.3  | 30°   | 5205.1  | 4667.4 | 2504.9 | 782.5  | 569.8  | 540.6  | 494.0  | 459.0  | 451.7  | 453.2  |
| 5320.2  | 32.5° | 5406.2  | 4684.9 | 2137.7 | 641.2  | 531.9  | 479.4  | 424.0  | 387.6  | 381.8  | 387.6  |
| 5672.9  | 35°   | 5646.6  | 4719.9 | 1783.6 | 590.2  | 498.4  | 416.8  | 357.0  | 326.4  | 320.6  | 325.0  |
| 6124.6  | 37.5° | 5973.1  | 4776.7 | 1452.8 | 580.0  | 470.7  | 364.3  | 300.2  | 275.4  | 275.4  | 276.9  |
| 6678.3  | 40°   | 6407.3  | 4928.2 | 1157.0 | 572.7  | 456.1  | 325.0  | 253.6  | 243.4  | 247.7  | 250.6  |
| 7383.6  | 42.5° | 6936.3  | 5250.3 | 957.4  | 563.9  | 440.1  | 307.5  | 230.2  | 225.9  | 233.2  | 236.1  |
| 8228.8  | 45°   | 7529.4  | 5658.3 | 887.4  | 549.4  | 425.5  | 319.1  | 220.0  | 214.2  | 223.0  | 224.4  |
| 9176.0  | 47.5° | 8142.8  | 6057.6 | 878.7  | 533.3  | 410.9  | 336.6  | 217.1  | 204.0  | 214.2  | 215.7  |
| 10187.3 | 50°   | 8763.6  | 6318.4 | 887.4  | 508.6  | 387.6  | 336.6  | 218.6  | 193.8  | 202.6  | 206.9  |
| 11236.5 | 52.5° | 9388.7  | 6437.9 | 881.6  | 454.6  | 346.8  | 316.2  | 218.6  | 185.1  | 193.8  | 196.7  |
| 12370.2 | 55°   | 9994.9  | 6414.6 | 792.7  | 374.5  | 294.4  | 279.8  | 212.8  | 177.8  | 183.6  | 185.1  |
| 13441.2 | 57.5° | 10474.4 | 6089.6 | 628.1  | 291.4  | 239.0  | 233.2  | 193.8  | 169.0  | 173.4  | 171.9  |
| 14423.4 | 60°   | 10725.0 | 5375.6 | 448.8  | 224.4  | 188.0  | 183.6  | 170.5  | 157.4  | 160.3  | 153.0  |
| 15255.4 | 62.5° | 10727.9 | 4431.3 | 300.2  | 177.8  | 150.1  | 145.7  | 145.7  | 141.3  | 138.4  | 123.9  |
| 15899.5 | 65°   | 10499.1 | 3383.6 | 199.6  | 141.3  | 120.9  | 113.7  | 122.4  | 120.9  | 110.7  | 90.3   |
| 16096.2 | 67.5° | 9980.4  | 2217.9 | 151.5  | 110.7  | 93.3   | 88.9   | 97.6   | 102.0  | 94.7   | 75.8   |
| 15379.3 | 70°   | 8913.7  | 1291.1 | 125.3  | 86.0   | 69.9   | 65.6   | 78.7   | 87.4   | 78.7   | 61.2   |
| 13145.4 | 72.5° | 7404.0  | 696.5  | 102.0  | 64.1   | 48.1   | 43.7   | 62.7   | 71.4   | 62.7   | 45.2   |
| 8434.3  | 75°   | 4804.4  | 373.0  | 78.7   | 42.3   | 24.8   | 27.7   | 46.6   | 52.5   | 43.7   | 29.1   |
| 2475.8  | 77.5° | 1613.1  | 164.7  | 49.5   | 20.4   | 11.7   | 11.7   | 27.7   | 32.1   | 20.4   | 10.2   |
| 450.3   | 80°   | 359.9   | 68.5   | 20.4   | 8.7    | 4.4    | 4.4    | 5.8    | 5.8    | 2.9    | 0.0    |
| 138.4   | 82.5° | 118.0   | 27.7   | 8.7    | 2.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 35.0    | 85°   | 45.2    | 10.2   | 2.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 11.7    | 87.5° | 17.5    | 1.5    | 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°   |
|--------|
| 3599.3 |
| 3551.2 |
| 3122.8 |
| 2484.5 |
| 1668.5 |
| 1004.0 |
| 744.6  |
| 698.0  |
| 665.9  |
| 622.2  |
| 565.4  |
| 510.0  |
| 453.2  |
| 386.2  |
| 323.5  |
| 275.4  |
| 250.6  |
| 236.1  |
| 225.9  |
| 217.1  |
| 208.4  |
| 196.7  |
| 185.1  |
| 171.9  |
| 151.5  |
| 119.5  |
| 87.4   |
| 74.3   |
| 58.3   |
| 43.7   |
| 26.2   |
| 8.7    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |