

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: P949022

Luminaire Tested: **GLAN-SB3D-927-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P949022  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3D-927-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 15735 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

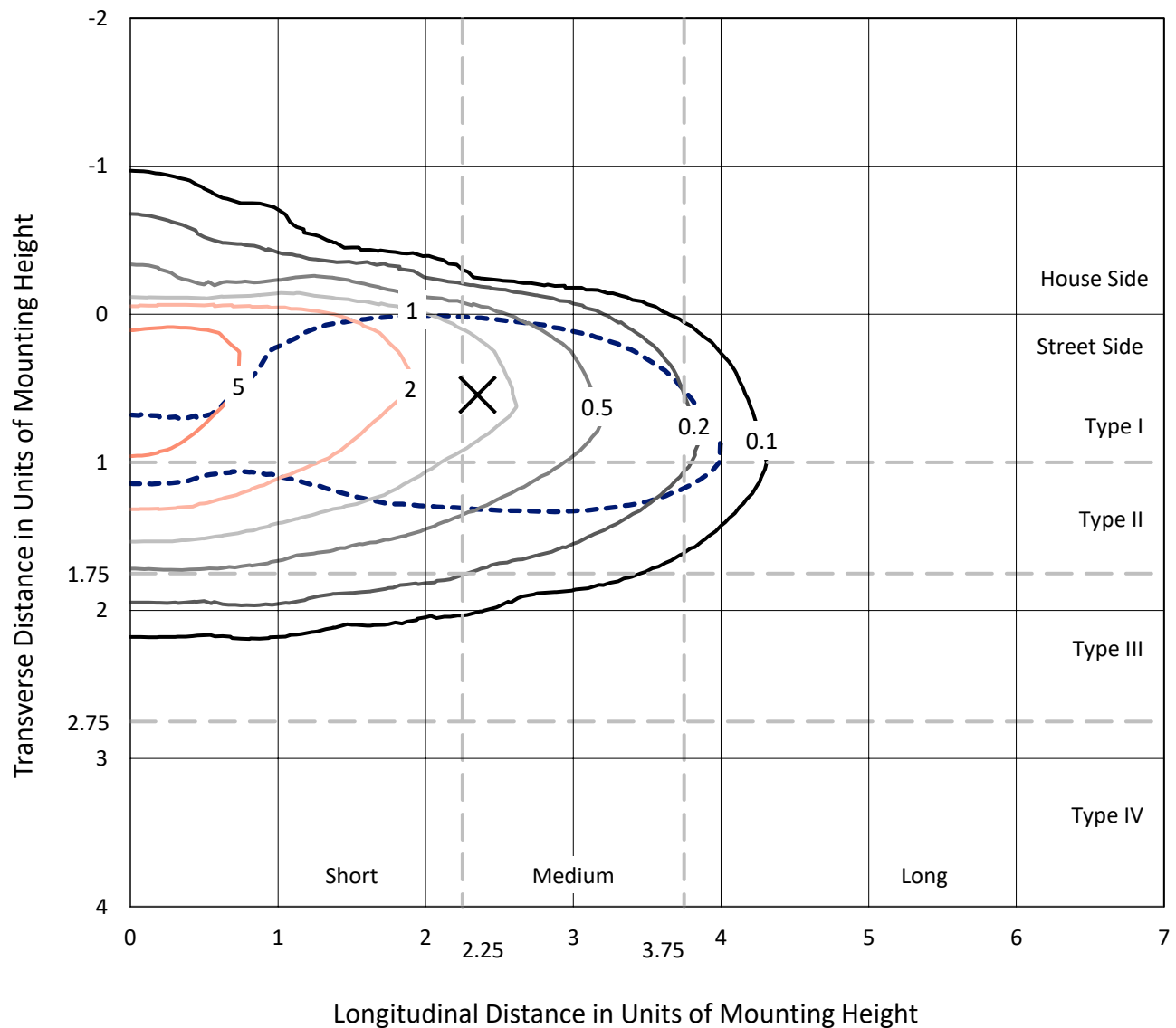
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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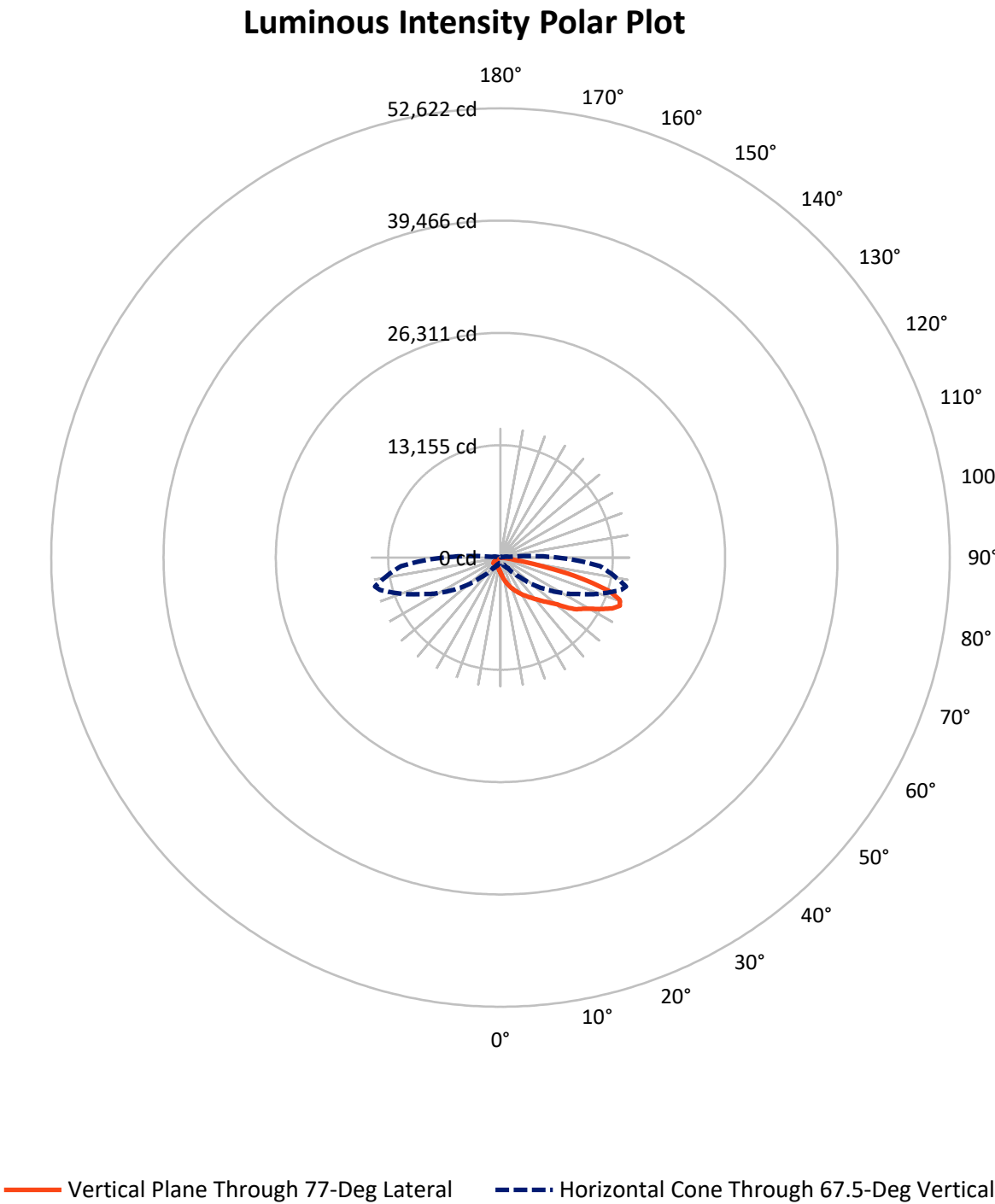
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd



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

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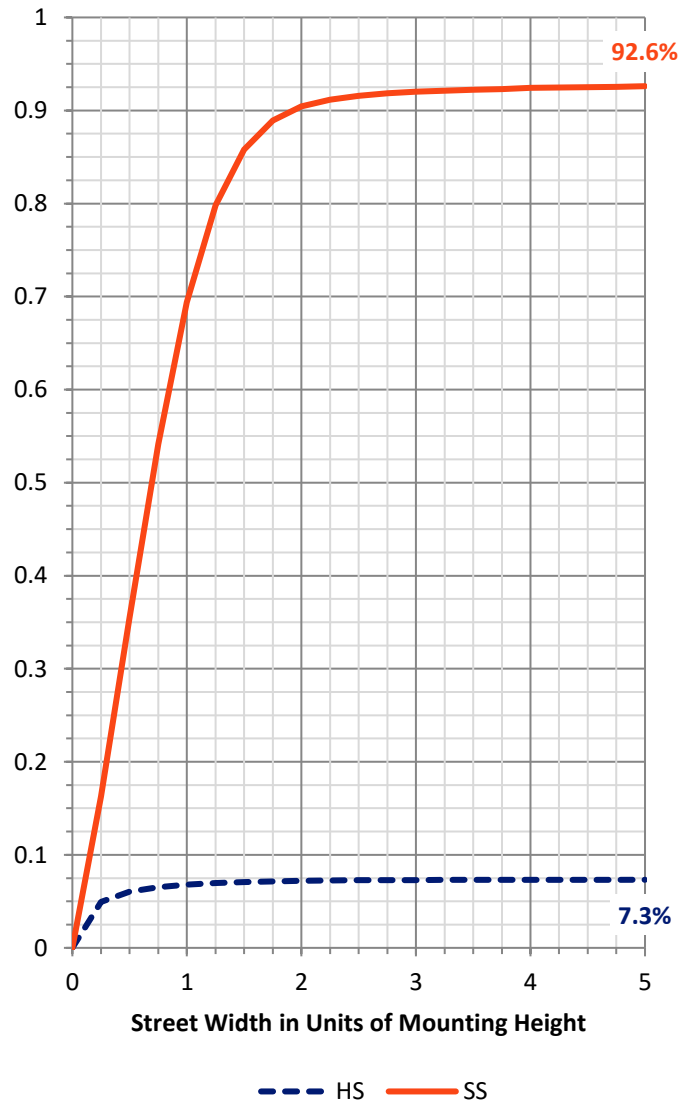
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1157.6   | 0.0    | 1157.6  |
|                    | % Fixture | 7.4      | 0.0    | 7.4     |
| <b>Street Side</b> | Lumens    | 14577.4  | 0.0    | 14577.4 |
|                    | % Fixture | 92.6     | 0.0    | 92.6    |
| <b>Total</b>       | Lumens    | 15735.0  | 0.0    | 15735.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 185.2   | 1.2       |
| 10°-20°   | 648.5   | 4.1       |
| 20°-30°   | 1251.5  | 8.0       |
| 30°-40°   | 2172.7  | 13.8      |
| 40°-50°   | 3154.6  | 20.0      |
| 50°-60°   | 3622.7  | 23.0      |
| 60°-70°   | 3145.1  | 20.0      |
| 70°-80°   | 1481.4  | 9.4       |
| 80°-90°   | 73.3    | 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°    | 15735.0 | 100.0     |
| 0°-180°   | 15735.0 | 100.0     |

**Coefficient of Utilization**



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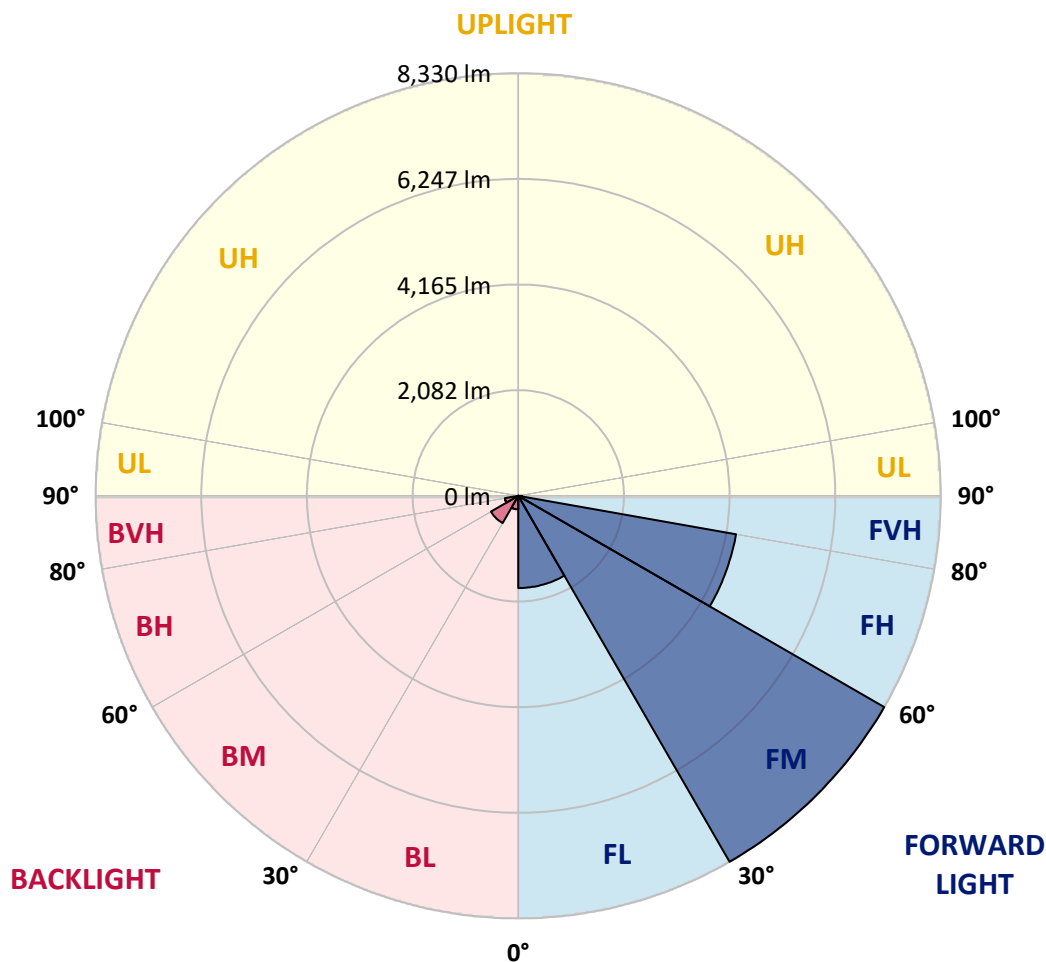
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1817.2 | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 8329.7 | 52.9      |                         |      |         |
| FH   | (60°-80°)   | 4358.6 | 27.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 71.9   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 268.0  | 1.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 620.3  | 3.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 268.0  | 1.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 1.3    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°     | 75°     | 77°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 1814.5 | 1814.5 | 1814.5 | 1814.5 | 1814.5 | 1814.5 | 1814.5 | 1814.5  | 1814.5  | 1814.5  |
| 2.5°  | 2512.1 | 2527.8 | 2505.3 | 2462.3 | 2397.8 | 2355.8 | 2253.2 | 2156.5  | 2049.0  | 2014.8  |
| 5°    | 3062.2 | 3075.9 | 3050.5 | 3003.6 | 2917.6 | 2835.5 | 2700.7 | 2498.4  | 2288.4  | 2221.0  |
| 7.5°  | 3469.7 | 3477.5 | 3467.7 | 3424.7 | 3342.7 | 3249.8 | 3099.4 | 2860.0  | 2548.3  | 2474.0  |
| 10°   | 3762.8 | 3788.2 | 3785.3 | 3768.7 | 3714.0 | 3638.7 | 3478.5 | 3205.9  | 2839.5  | 2743.7  |
| 12.5° | 3957.3 | 3985.6 | 4002.2 | 4039.3 | 4036.4 | 3988.5 | 3847.8 | 3559.6  | 3129.7  | 3017.3  |
| 15°   | 4013.9 | 4044.2 | 4107.7 | 4193.7 | 4269.9 | 4294.4 | 4195.7 | 3906.5  | 3449.2  | 3305.5  |
| 17.5° | 3981.7 | 4028.6 | 4104.8 | 4240.6 | 4407.7 | 4518.1 | 4507.4 | 4241.6  | 3739.4  | 3575.2  |
| 20°   | 4053.0 | 4098.0 | 4157.6 | 4271.9 | 4466.3 | 4666.6 | 4746.8 | 4562.1  | 4027.6  | 3855.6  |
| 22.5° | 4447.8 | 4439.9 | 4445.8 | 4464.4 | 4580.7 | 4779.0 | 4944.1 | 4853.3  | 4312.9  | 4137.0  |
| 25°   | 5073.1 | 5037.9 | 4978.3 | 4877.7 | 4848.4 | 4944.1 | 5116.1 | 5111.2  | 4613.9  | 4425.3  |
| 27.5° | 5790.3 | 5784.4 | 5644.7 | 5402.4 | 5265.6 | 5228.5 | 5310.5 | 5362.3  | 4911.9  | 4710.6  |
| 30°   | 6477.2 | 6492.8 | 6304.3 | 6034.6 | 5783.5 | 5637.9 | 5563.6 | 5600.7  | 5214.8  | 5018.4  |
| 32.5° | 7075.2 | 7091.8 | 6886.6 | 6571.0 | 6260.3 | 6084.4 | 5928.1 | 5836.2  | 5545.0  | 5331.1  |
| 35°   | 7580.4 | 7597.0 | 7361.5 | 7012.7 | 6681.4 | 6522.2 | 6345.3 | 6094.2  | 5877.3  | 5677.9  |
| 37.5° | 8031.8 | 8026.9 | 7711.3 | 7359.5 | 7034.2 | 6908.1 | 6815.3 | 6411.7  | 6219.2  | 6026.8  |
| 40°   | 8298.5 | 8319.0 | 8049.4 | 7661.4 | 7345.8 | 7254.0 | 7248.1 | 6805.5  | 6614.0  | 6427.4  |
| 42.5° | 8376.7 | 8412.8 | 8217.4 | 7898.9 | 7612.6 | 7512.9 | 7666.3 | 7231.5  | 7073.2  | 6891.5  |
| 45°   | 8236.0 | 8271.2 | 8182.2 | 7961.4 | 7794.3 | 7729.8 | 8025.9 | 7673.2  | 7563.7  | 7384.0  |
| 47.5° | 7825.6 | 7869.6 | 7891.1 | 7844.2 | 7842.2 | 7907.7 | 8348.4 | 8138.3  | 8146.1  | 7962.4  |
| 50°   | 7031.2 | 7105.5 | 7302.9 | 7469.0 | 7725.9 | 8048.4 | 8662.0 | 8642.5  | 8802.7  | 8644.4  |
| 52.5° | 5587.1 | 5692.6 | 6372.7 | 6827.0 | 7404.5 | 8022.0 | 9006.9 | 9451.5  | 9954.7  | 9723.1  |
| 55°   | 4489.8 | 4489.8 | 5042.8 | 5892.9 | 6777.2 | 7848.1 | 9157.4 | 9977.2  | 10739.3 | 10684.6 |
| 57.5° | 3660.2 | 3704.2 | 4056.9 | 4808.3 | 5869.4 | 7433.8 | 9250.2 | 10307.4 | 11371.5 | 11331.4 |
| 60°   | 2259.1 | 2353.8 | 3020.2 | 3761.8 | 4836.7 | 6696.1 | 9191.6 | 10641.6 | 12138.5 | 12170.8 |
| 62.5° | 1272.2 | 1307.4 | 1604.4 | 2706.6 | 3760.9 | 5704.3 | 8743.1 | 10828.2 | 13119.5 | 13256.3 |
| 65°   | 878.4  | 896.0  | 1010.3 | 1684.5 | 2606.9 | 4541.6 | 7866.6 | 10712.0 | 14102.5 | 14379.0 |
| 67.5° | 638.0  | 646.8  | 718.2  | 1028.9 | 1546.8 | 3292.8 | 6492.8 | 10125.7 | 14623.3 | 15085.5 |
| 70°   | 490.5  | 496.4  | 548.2  | 676.2  | 913.6  | 2032.4 | 4715.5 | 8960.0  | 14246.1 | 14798.2 |
| 72.5° | 398.7  | 404.5  | 444.6  | 500.3  | 605.8  | 1201.8 | 2858.0 | 7276.5  | 12581.2 | 13177.2 |
| 75°   | 336.1  | 343.9  | 380.1  | 416.2  | 474.9  | 771.9  | 1340.6 | 5067.2  | 9461.3  | 9852.1  |
| 77.5° | 186.6  | 172.0  | 308.8  | 344.9  | 400.6  | 488.6  | 627.3  | 2982.1  | 5298.8  | 5407.3  |
| 80°   | 116.3  | 120.2  | 245.3  | 277.5  | 307.8  | 246.2  | 287.3  | 1148.1  | 1837.0  | 1745.1  |
| 82.5° | 6.8    | 15.6   | 188.6  | 200.3  | 211.1  | 105.5  | 108.5  | 389.9   | 442.6   | 406.5   |
| 85°   | 0.0    | 0.0    | 86.0   | 69.4   | 73.3   | 30.3   | 31.3   | 90.9    | 59.6    | 64.5    |
| 87.5° | 0.0    | 0.0    | 0.0    | 2.0    | 0.0    | 2.9    | 5.9    | 7.8     | 2.9     | 3.9     |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1814.5  | 0°    | 1814.5 | 1814.5 | 1814.5 | 1814.5 | 1814.5 | 1814.5 | 1814.5 | 1814.5 | 1814.5 | 1814.5 |
| 1907.3  | 2.5°  | 1838.9 | 1770.5 | 1631.8 | 1495.9 | 1385.5 | 1282.9 | 1209.7 | 1140.3 | 1105.1 | 1103.1 |
| 2030.4  | 5°    | 1894.6 | 1751.0 | 1473.5 | 1228.2 | 1030.8 | 872.6  | 770.0  | 696.7  | 659.5  | 646.8  |
| 2181.9  | 7.5°  | 1972.8 | 1756.8 | 1334.7 | 993.7  | 761.2  | 625.3  | 566.7  | 543.3  | 535.5  | 526.7  |
| 2352.9  | 10°   | 2071.5 | 1770.5 | 1210.6 | 800.2  | 599.9  | 531.5  | 508.1  | 498.3  | 492.5  | 486.6  |
| 2545.3  | 12.5° | 2181.9 | 1783.2 | 1087.5 | 664.4  | 527.6  | 492.5  | 475.8  | 464.1  | 456.3  | 449.5  |
| 2742.7  | 15°   | 2289.3 | 1791.0 | 959.5  | 569.6  | 490.5  | 462.2  | 444.6  | 431.9  | 421.1  | 413.3  |
| 2936.2  | 17.5° | 2395.9 | 1801.8 | 839.3  | 513.0  | 460.2  | 431.9  | 414.3  | 398.7  | 389.9  | 381.1  |
| 3139.4  | 20°   | 2514.1 | 1799.8 | 726.0  | 472.9  | 429.9  | 401.6  | 383.0  | 368.4  | 359.6  | 349.8  |
| 3354.4  | 22.5° | 2623.5 | 1790.0 | 626.3  | 438.7  | 398.7  | 371.3  | 350.8  | 336.1  | 327.3  | 319.5  |
| 3574.2  | 25°   | 2749.6 | 1782.2 | 543.3  | 407.5  | 369.3  | 342.0  | 319.5  | 305.8  | 296.1  | 289.2  |
| 3795.1  | 27.5° | 2870.7 | 1770.5 | 482.7  | 379.1  | 341.0  | 314.6  | 293.1  | 277.5  | 268.7  | 263.8  |
| 4022.7  | 30°   | 2989.9 | 1767.6 | 460.2  | 351.8  | 315.6  | 289.2  | 267.7  | 253.1  | 246.2  | 244.3  |
| 4272.9  | 32.5° | 3133.6 | 1775.4 | 470.0  | 342.0  | 292.2  | 265.8  | 245.3  | 234.5  | 227.7  | 227.7  |
| 4551.3  | 35°   | 3287.0 | 1773.4 | 484.6  | 350.8  | 276.5  | 242.3  | 226.7  | 219.8  | 213.0  | 213.0  |
| 4860.1  | 37.5° | 3479.5 | 1776.4 | 496.4  | 365.4  | 270.7  | 222.8  | 214.0  | 205.2  | 201.3  | 201.3  |
| 5198.2  | 40°   | 3766.7 | 1873.1 | 490.5  | 378.1  | 268.7  | 209.1  | 191.5  | 188.6  | 185.6  | 185.6  |
| 5580.2  | 42.5° | 4118.5 | 2083.2 | 498.3  | 379.1  | 267.7  | 199.3  | 175.9  | 181.7  | 174.9  | 173.9  |
| 6011.1  | 45°   | 4503.5 | 2312.8 | 548.2  | 358.6  | 266.7  | 194.4  | 168.1  | 174.9  | 164.2  | 164.2  |
| 6510.4  | 47.5° | 4885.5 | 2540.5 | 599.0  | 329.3  | 263.8  | 193.5  | 161.2  | 157.3  | 154.4  | 155.4  |
| 7161.2  | 50°   | 5412.2 | 2726.1 | 618.5  | 289.2  | 257.0  | 191.5  | 148.5  | 149.5  | 147.5  | 149.5  |
| 8078.7  | 52.5° | 5985.7 | 2765.2 | 595.1  | 244.3  | 237.4  | 185.6  | 139.7  | 143.6  | 142.7  | 144.6  |
| 8724.5  | 55°   | 6343.3 | 2723.2 | 491.5  | 203.2  | 207.1  | 162.2  | 130.9  | 138.7  | 138.7  | 138.7  |
| 9355.7  | 57.5° | 6712.7 | 2544.4 | 348.8  | 165.1  | 172.0  | 132.9  | 123.1  | 133.9  | 132.9  | 131.9  |
| 10115.9 | 60°   | 6978.5 | 2255.1 | 229.6  | 135.8  | 136.8  | 109.4  | 114.3  | 126.0  | 125.1  | 120.2  |
| 10899.6 | 62.5° | 7176.8 | 1935.6 | 147.5  | 115.3  | 104.5  | 98.7   | 104.5  | 114.3  | 110.4  | 99.7   |
| 11564.0 | 65°   | 7154.3 | 1493.0 | 113.3  | 98.7   | 86.0   | 86.0   | 90.9   | 99.7   | 87.9   | 70.4   |
| 11691.0 | 67.5° | 6737.1 | 1010.3 | 93.8   | 83.1   | 72.3   | 71.3   | 75.2   | 83.1   | 75.2   | 59.6   |
| 11040.3 | 70°   | 5991.6 | 660.5  | 75.2   | 64.5   | 57.6   | 52.8   | 60.6   | 71.3   | 63.5   | 47.9   |
| 9398.7  | 72.5° | 4863.0 | 402.6  | 56.7   | 46.9   | 42.0   | 34.2   | 47.9   | 58.6   | 50.8   | 35.2   |
| 6535.8  | 75°   | 3146.3 | 205.2  | 39.1   | 30.3   | 22.5   | 20.5   | 35.2   | 44.0   | 35.2   | 21.5   |
| 2900.0  | 77.5° | 1203.8 | 86.0   | 21.5   | 13.7   | 11.7   | 9.8    | 19.5   | 26.4   | 14.7   | 4.9    |
| 561.8   | 80°   | 231.6  | 36.2   | 10.7   | 6.8    | 5.9    | 3.9    | 2.9    | 2.0    | 0.0    | 0.0    |
| 99.7    | 82.5° | 40.1   | 11.7   | 3.9    | 2.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 19.5    | 85°   | 13.7   | 2.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 6.8     | 87.5° | 4.9    | 0.0    | 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°   |
|--------|
| 1814.5 |
| 1101.2 |
| 644.9  |
| 524.7  |
| 484.6  |
| 447.5  |
| 412.3  |
| 380.1  |
| 348.8  |
| 318.5  |
| 288.2  |
| 263.8  |
| 243.3  |
| 227.7  |
| 213.0  |
| 201.3  |
| 185.6  |
| 172.9  |
| 164.2  |
| 155.4  |
| 149.5  |
| 144.6  |
| 138.7  |
| 131.9  |
| 120.2  |
| 97.7   |
| 68.4   |
| 57.6   |
| 45.9   |
| 33.2   |
| 18.6   |
| 3.9    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |