

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: P943426

Luminaire Tested: **GLAN-SB7D-927-U-T3-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943426  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7D-927-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 34548 lumens  
Efficiency: N/A  
Efficacy: 67.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

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

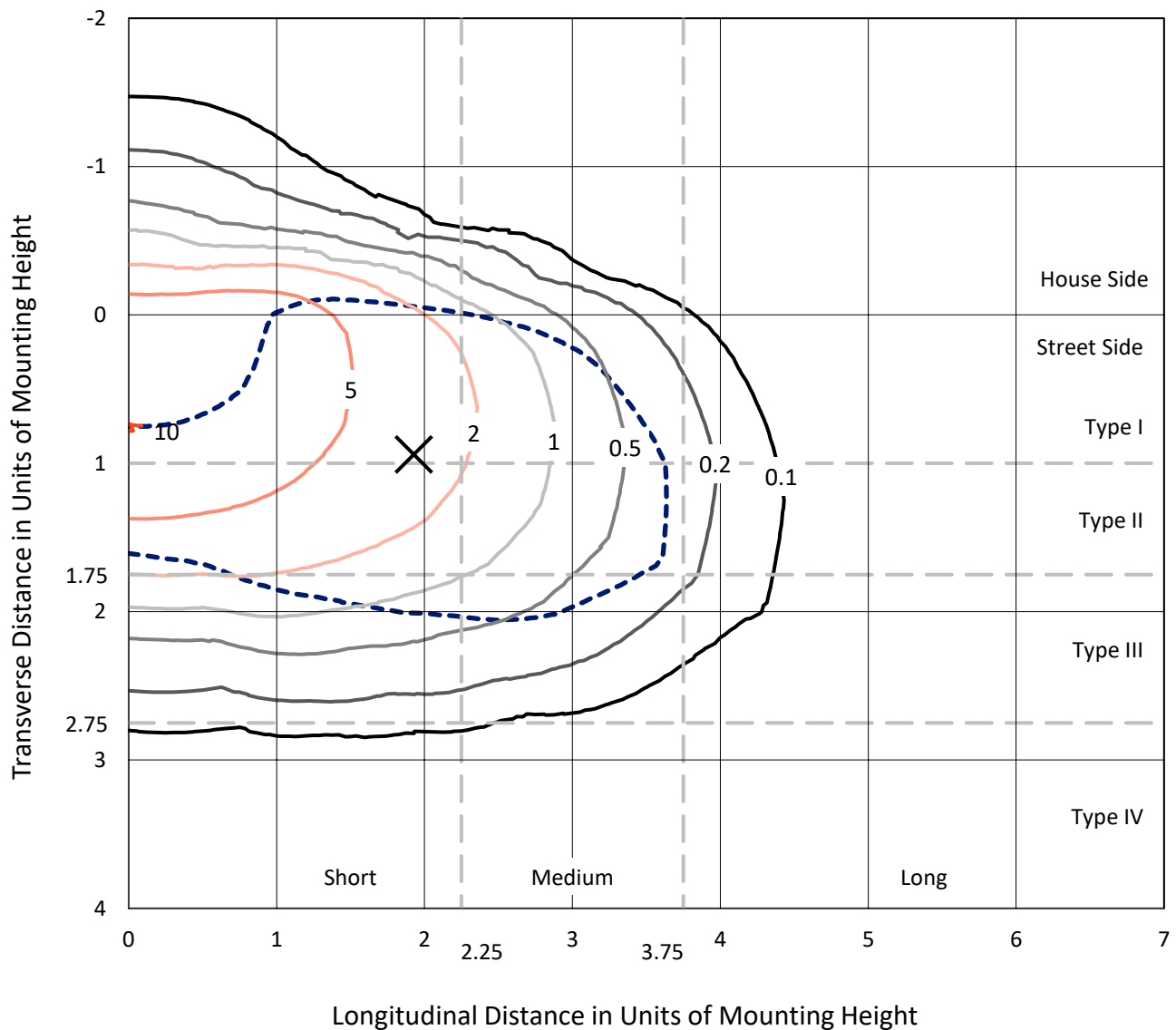


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## Iso-Footcandle Lines of Horizontal Illumination

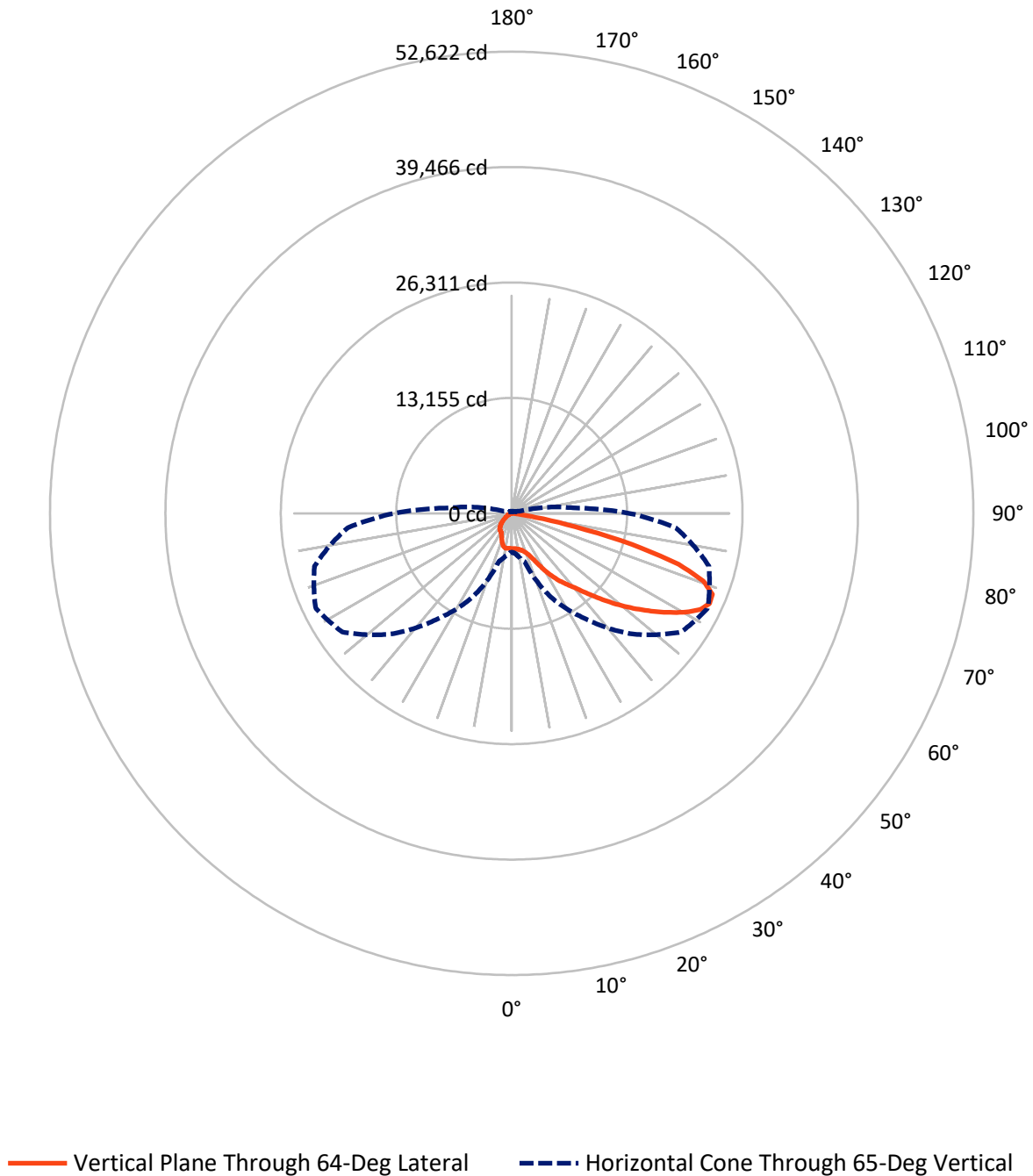
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc  
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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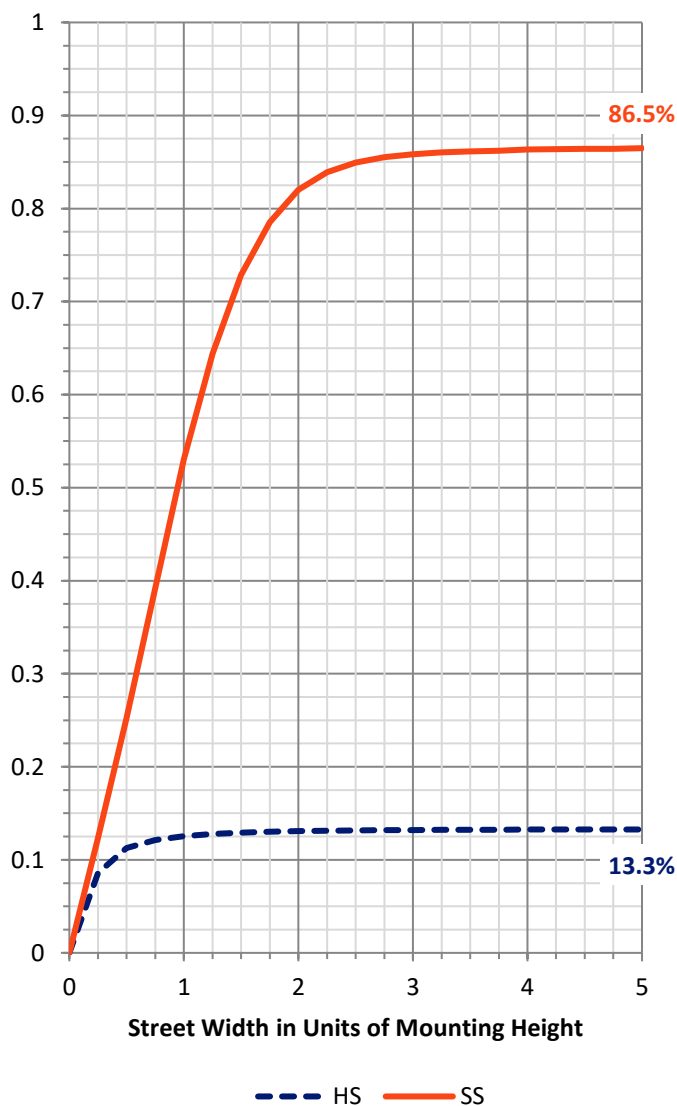
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4620.1   | 0.0    | 4620.1  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 29927.9  | 0.0    | 29927.9 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 34548.0  | 0.0    | 34548.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 370.7   | 1.1       |
| 10°-20°   | 1005.5  | 2.9       |
| 20°-30°   | 1905.4  | 5.5       |
| 30°-40°   | 3855.6  | 11.2      |
| 40°-50°   | 6568.0  | 19.0      |
| 50°-60°   | 8932.0  | 25.9      |
| 60°-70°   | 8387.6  | 24.3      |
| 70°-80°   | 3360.4  | 9.7       |
| 80°-90°   | 162.8   | 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°    | 34548.0 | 100.0     |
| 0°-180°   | 34548.0 | 100.0     |

**Coefficient of Utilization**



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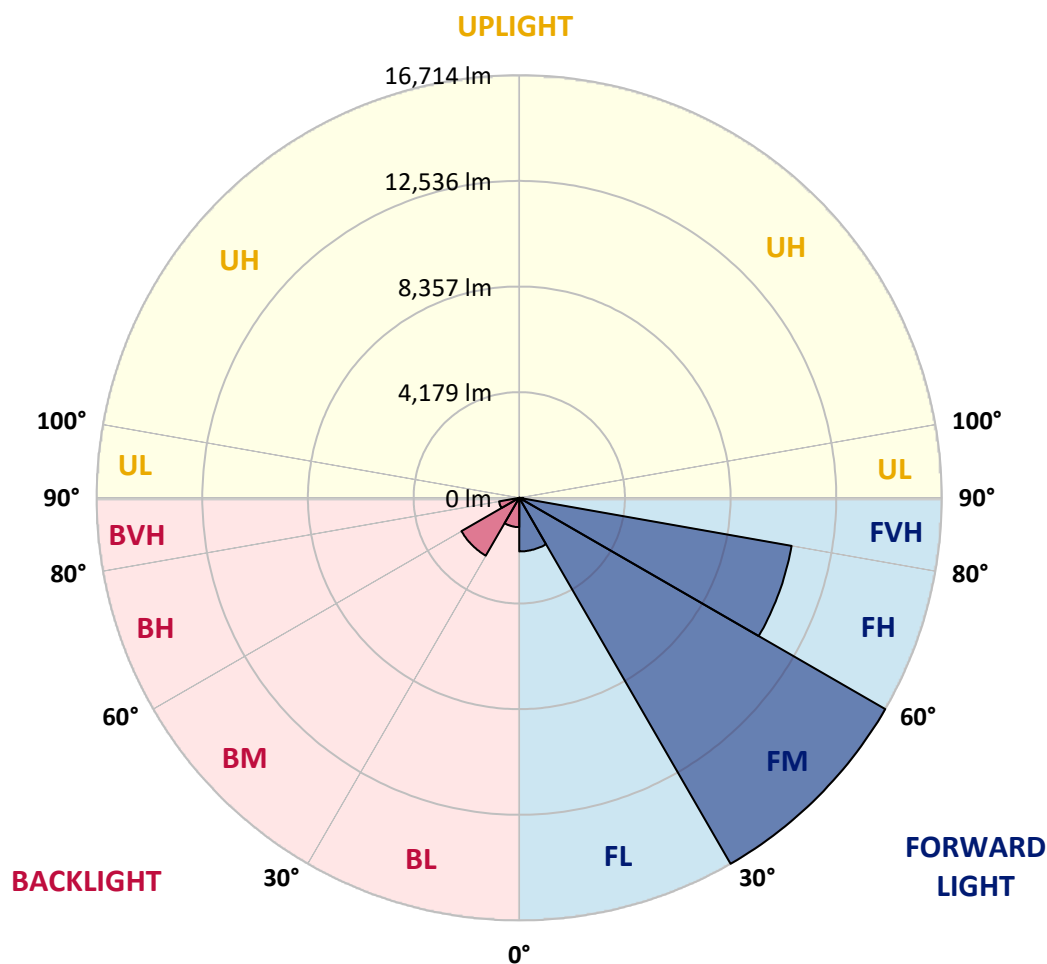
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2121.6  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 16714.3 | 48.4      |                         |      |          |
| FH   | (60°-80°)   | 10937.1 | 31.7      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 154.9   | 0.4       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1160.0  | 3.4       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2641.3  | 7.6       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 810.9   | 2.3       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 7.9     | 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-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 64°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4018.3  | 4018.3  | 4018.3  | 4018.3  | 4018.3  | 4018.3  | 4018.3  | 4018.3  | 4018.3  | 4018.3  |
| 2.5°  | 4004.4  | 4032.2  | 4025.2  | 4018.3  | 4016.0  | 4020.6  | 4022.9  | 4020.6  | 4020.6  | 4020.6  |
| 5°    | 3928.0  | 3951.1  | 3951.1  | 3967.3  | 3990.5  | 4018.3  | 4039.1  | 4043.8  | 4048.4  | 4055.3  |
| 7.5°  | 3782.1  | 3800.6  | 3814.5  | 3867.7  | 3925.7  | 3999.8  | 4062.3  | 4094.7  | 4099.4  | 4124.8  |
| 10°   | 3682.5  | 3705.6  | 3728.8  | 3784.4  | 3867.7  | 3978.9  | 4085.5  | 4164.2  | 4175.8  | 4236.0  |
| 12.5° | 3677.8  | 3701.0  | 3731.1  | 3791.3  | 3888.6  | 4006.7  | 4136.4  | 4249.9  | 4270.7  | 4358.7  |
| 15°   | 3726.5  | 3754.3  | 3782.1  | 3856.2  | 3960.4  | 4104.0  | 4242.9  | 4384.2  | 4405.1  | 4530.1  |
| 17.5° | 3826.1  | 3863.1  | 3884.0  | 3958.1  | 4069.2  | 4229.0  | 4412.0  | 4574.1  | 4592.7  | 4738.6  |
| 20°   | 4022.9  | 4066.9  | 4073.9  | 4134.1  | 4242.9  | 4414.3  | 4632.0  | 4833.5  | 4856.7  | 5023.4  |
| 22.5° | 4430.5  | 4493.1  | 4437.5  | 4467.6  | 4564.9  | 4736.3  | 4972.5  | 5227.3  | 5259.7  | 5449.6  |
| 25°   | 5148.5  | 5236.5  | 5092.9  | 5042.0  | 5083.7  | 5262.0  | 5558.4  | 5880.4  | 5917.4  | 6070.3  |
| 27.5° | 6559.0  | 6445.5  | 6227.8  | 6014.7  | 5889.6  | 5991.5  | 6325.0  | 6723.4  | 6769.7  | 6917.9  |
| 30°   | 8108.4  | 8008.8  | 7714.7  | 7242.2  | 6945.7  | 6929.5  | 7237.6  | 7682.2  | 7735.5  | 7876.8  |
| 32.5° | 9660.1  | 9565.2  | 9245.5  | 8664.2  | 8150.1  | 7895.3  | 8108.4  | 8601.7  | 8629.5  | 8719.8  |
| 35°   | 11186.4 | 11089.1 | 10769.5 | 10174.3 | 9542.0  | 8963.0  | 8921.3  | 9477.1  | 9486.4  | 9581.4  |
| 37.5° | 12721.9 | 12640.8 | 12300.4 | 11716.7 | 11093.7 | 10294.7 | 9907.9  | 10306.3 | 10317.9 | 10410.5 |
| 40°   | 13817.4 | 13852.1 | 13618.2 | 13166.6 | 12631.6 | 11758.4 | 11015.0 | 11188.7 | 11119.2 | 11274.4 |
| 42.5° | 14757.7 | 14827.1 | 14623.3 | 14396.4 | 14086.0 | 13317.1 | 12386.1 | 12356.0 | 12244.8 | 12328.2 |
| 45°   | 15570.6 | 15628.5 | 15445.5 | 15392.3 | 15385.3 | 14845.7 | 13884.5 | 13703.9 | 13548.7 | 13532.5 |
| 47.5° | 15869.4 | 15980.5 | 16059.3 | 16237.6 | 16585.0 | 16358.0 | 15433.9 | 15153.7 | 14980.0 | 14852.6 |
| 50°   | 15982.8 | 16101.0 | 16369.6 | 16888.4 | 17710.6 | 17807.9 | 16976.4 | 16661.4 | 16448.4 | 16216.8 |
| 52.5° | 15830.0 | 16040.7 | 16402.0 | 17275.2 | 18467.9 | 18970.5 | 18456.3 | 18180.7 | 17937.6 | 17560.0 |
| 55°   | 14929.1 | 15139.8 | 15878.6 | 17270.5 | 18845.4 | 19785.7 | 19855.2 | 19732.5 | 19459.2 | 18864.0 |
| 57.5° | 13029.9 | 13342.6 | 14512.2 | 16682.3 | 18838.5 | 20487.5 | 21226.3 | 21314.3 | 21008.6 | 20156.3 |
| 60°   | 10398.9 | 10822.8 | 12249.4 | 15378.4 | 18257.2 | 20867.3 | 22428.3 | 22868.4 | 22544.1 | 21430.1 |
| 62.5° | 7256.1  | 7747.1  | 9097.3  | 13335.6 | 16927.8 | 20594.0 | 23306.1 | 24119.0 | 23873.5 | 22569.6 |
| 65°   | 4425.9  | 4583.4  | 5671.9  | 10493.9 | 14667.3 | 19449.9 | 23577.1 | 24795.3 | 24714.2 | 23266.7 |
| 67.5° | 2948.3  | 3080.3  | 3393.0  | 7195.9  | 11385.5 | 17164.0 | 22928.6 | 24677.2 | 24700.3 | 23153.2 |
| 70°   | 1776.4  | 1889.9  | 2093.7  | 4185.0  | 7378.8  | 13585.8 | 20920.6 | 23171.8 | 23306.1 | 21636.2 |
| 72.5° | 731.9   | 808.3   | 993.6   | 1896.8  | 3821.4  | 8622.5  | 16659.1 | 19894.6 | 20207.3 | 18192.3 |
| 75°   | 414.6   | 453.9   | 583.6   | 951.9   | 1658.3  | 4018.3  | 10090.9 | 14123.1 | 14584.0 | 12538.9 |
| 77.5° | 275.6   | 294.1   | 377.5   | 616.1   | 933.4   | 1371.1  | 4312.4  | 7358.0  | 8238.1  | 6848.5  |
| 80°   | 185.3   | 201.5   | 259.4   | 412.3   | 606.8   | 588.3   | 1373.4  | 2726.0  | 3353.6  | 2353.1  |
| 82.5° | 125.1   | 127.4   | 185.3   | 271.0   | 384.5   | 284.9   | 405.3   | 847.7   | 1065.4  | 680.9   |
| 85°   | 71.8    | 69.5    | 136.6   | 157.5   | 171.4   | 118.1   | 122.7   | 254.8   | 333.5   | 287.2   |
| 87.5° | 9.3     | 13.9    | 53.3    | 41.7    | 23.2    | 25.5    | 25.5    | 44.0    | 64.8    | 69.5    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4018.3  | 0°    | 4018.3  | 4018.3  | 4018.3 | 4018.3 | 4018.3 | 4018.3 | 4018.3 | 4018.3 | 4018.3 | 4018.3 |
| 4022.9  | 2.5°  | 4022.9  | 4020.6  | 4013.7 | 4006.7 | 3990.5 | 3981.2 | 3985.9 | 3981.2 | 3978.9 | 3981.2 |
| 4053.0  | 5°    | 4053.0  | 4046.1  | 4027.6 | 4004.4 | 3972.0 | 3932.6 | 3907.1 | 3870.1 | 3835.3 | 3814.5 |
| 4134.1  | 7.5°  | 4134.1  | 4127.1  | 4101.7 | 4036.8 | 3932.6 | 3768.2 | 3617.6 | 3485.6 | 3386.0 | 3328.1 |
| 4263.8  | 10°   | 4263.8  | 4252.2  | 4212.8 | 4069.2 | 3796.0 | 3437.0 | 3138.2 | 2890.4 | 2728.3 | 2651.8 |
| 4416.6  | 12.5° | 4416.6  | 4402.8  | 4333.3 | 4039.1 | 3536.6 | 2976.1 | 2563.8 | 2288.2 | 2137.7 | 2070.5 |
| 4592.7  | 15°   | 4597.3  | 4578.8  | 4442.1 | 3895.5 | 3159.0 | 2466.6 | 2089.0 | 1882.9 | 1785.6 | 1725.4 |
| 4817.3  | 17.5° | 4821.9  | 4789.5  | 4523.2 | 3680.2 | 2749.1 | 2077.5 | 1797.2 | 1642.1 | 1556.4 | 1498.5 |
| 5111.5  | 20°   | 5113.8  | 5060.5  | 4588.0 | 3423.1 | 2371.6 | 1832.0 | 1600.4 | 1470.7 | 1405.8 | 1354.9 |
| 5528.3  | 22.5° | 5521.4  | 5445.0  | 4666.8 | 3145.2 | 2105.3 | 1662.9 | 1454.5 | 1359.5 | 1306.2 | 1248.3 |
| 6109.7  | 25°   | 6026.3  | 5936.0  | 4764.0 | 2888.1 | 1922.3 | 1517.0 | 1347.9 | 1269.2 | 1206.6 | 1139.5 |
| 6871.6  | 27.5° | 6732.7  | 6570.5  | 4879.8 | 2677.3 | 1764.8 | 1391.9 | 1250.6 | 1162.6 | 1090.8 | 1035.3 |
| 7735.5  | 30°   | 7520.1  | 7253.8  | 4981.8 | 2549.9 | 1621.2 | 1276.1 | 1123.3 | 1035.3 | 968.1  | 928.7  |
| 8511.4  | 32.5° | 8265.9  | 7904.6  | 5048.9 | 2494.4 | 1491.5 | 1144.1 | 984.3  | 889.4  | 838.4  | 826.8  |
| 9271.0  | 35°   | 8969.9  | 8492.8  | 5042.0 | 2441.1 | 1375.7 | 1012.1 | 847.7  | 750.4  | 711.0  | 718.0  |
| 10088.6 | 37.5° | 9780.5  | 9120.5  | 4993.3 | 2357.7 | 1280.8 | 891.7  | 729.5  | 643.9  | 609.1  | 611.4  |
| 11082.1 | 40°   | 10723.2 | 9845.4  | 4963.2 | 2200.2 | 1176.5 | 780.5  | 632.3  | 562.8  | 537.3  | 528.1  |
| 12129.0 | 42.5° | 11728.3 | 10547.1 | 4967.9 | 2021.9 | 1046.8 | 680.9  | 565.1  | 507.2  | 484.0  | 477.1  |
| 13293.9 | 45°   | 12738.1 | 11216.5 | 4974.8 | 1836.6 | 910.2  | 604.5  | 516.5  | 467.8  | 453.9  | 444.7  |
| 14475.1 | 47.5° | 13687.7 | 11786.2 | 4845.1 | 1637.4 | 775.9  | 546.6  | 477.1  | 444.7  | 433.1  | 421.5  |
| 15660.9 | 50°   | 14572.4 | 12166.0 | 4532.4 | 1405.8 | 669.3  | 500.3  | 447.0  | 423.8  | 412.3  | 400.7  |
| 16735.5 | 52.5° | 15260.2 | 12226.3 | 4016.0 | 1167.3 | 595.2  | 465.5  | 428.5  | 407.6  | 393.7  | 382.1  |
| 17604.1 | 55°   | 15566.0 | 11848.7 | 3281.8 | 944.9  | 537.3  | 435.4  | 409.9  | 389.1  | 372.9  | 361.3  |
| 18287.3 | 57.5° | 15487.2 | 11054.4 | 2559.2 | 759.7  | 481.7  | 405.3  | 386.8  | 372.9  | 354.4  | 335.8  |
| 18840.8 | 60°   | 15100.4 | 9991.3  | 1929.2 | 632.3  | 430.8  | 372.9  | 361.3  | 349.7  | 324.2  | 296.5  |
| 19053.9 | 62.5° | 14431.1 | 8655.0  | 1375.7 | 523.4  | 375.2  | 335.8  | 331.2  | 321.9  | 284.9  | 233.9  |
| 18738.9 | 65°   | 13407.4 | 7031.4  | 926.4  | 435.4  | 321.9  | 294.1  | 296.5  | 280.2  | 231.6  | 173.7  |
| 17585.5 | 67.5° | 11911.3 | 5141.6  | 592.9  | 356.7  | 268.7  | 245.5  | 247.8  | 238.5  | 196.9  | 148.2  |
| 15399.2 | 70°   | 10005.2 | 3404.5  | 386.8  | 271.0  | 215.4  | 189.9  | 203.8  | 206.1  | 166.8  | 120.4  |
| 11818.6 | 72.5° | 7334.8  | 2010.3  | 271.0  | 201.5  | 157.5  | 132.0  | 166.8  | 171.4  | 134.3  | 90.3   |
| 7110.2  | 75°   | 4180.4  | 954.2   | 203.8  | 145.9  | 97.3   | 92.6   | 129.7  | 129.7  | 92.6   | 60.2   |
| 3078.0  | 77.5° | 1755.5  | 398.4   | 143.6  | 95.0   | 55.6   | 53.3   | 88.0   | 81.1   | 46.3   | 27.8   |
| 750.4   | 80°   | 507.2   | 178.3   | 76.4   | 46.3   | 23.2   | 20.8   | 34.7   | 25.5   | 11.6   | 4.6    |
| 284.9   | 82.5° | 199.2   | 78.7    | 30.1   | 18.5   | 9.3    | 9.3    | 4.6    | 0.0    | 0.0    | 0.0    |
| 162.1   | 85°   | 118.1   | 32.4    | 13.9   | 6.9    | 2.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 34.7    | 87.5° | 30.1    | 6.9     | 4.6    | 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    |

(END O



| 180°   |
|--------|
| 4018.3 |
| 3990.5 |
| 3819.1 |
| 3330.4 |
| 2644.9 |
| 2063.6 |
| 1727.7 |
| 1493.8 |
| 1345.6 |
| 1239.1 |
| 1132.5 |
| 1023.7 |
| 921.8  |
| 833.8  |
| 718.0  |
| 620.7  |
| 525.7  |
| 474.8  |
| 444.7  |
| 421.5  |
| 400.7  |
| 379.8  |
| 359.0  |
| 333.5  |
| 291.8  |
| 229.3  |
| 169.1  |
| 141.3  |
| 115.8  |
| 85.7   |
| 55.6   |
| 27.8   |
| 4.6    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |