

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: P943286

Luminaire Tested: **GLAN-SB7C-940-U-T3-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943286  
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-SB7C-940-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 4000K, 615mA 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: 30268 lumens  
Efficiency: N/A  
Efficacy: 86.4 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): 350.5  
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

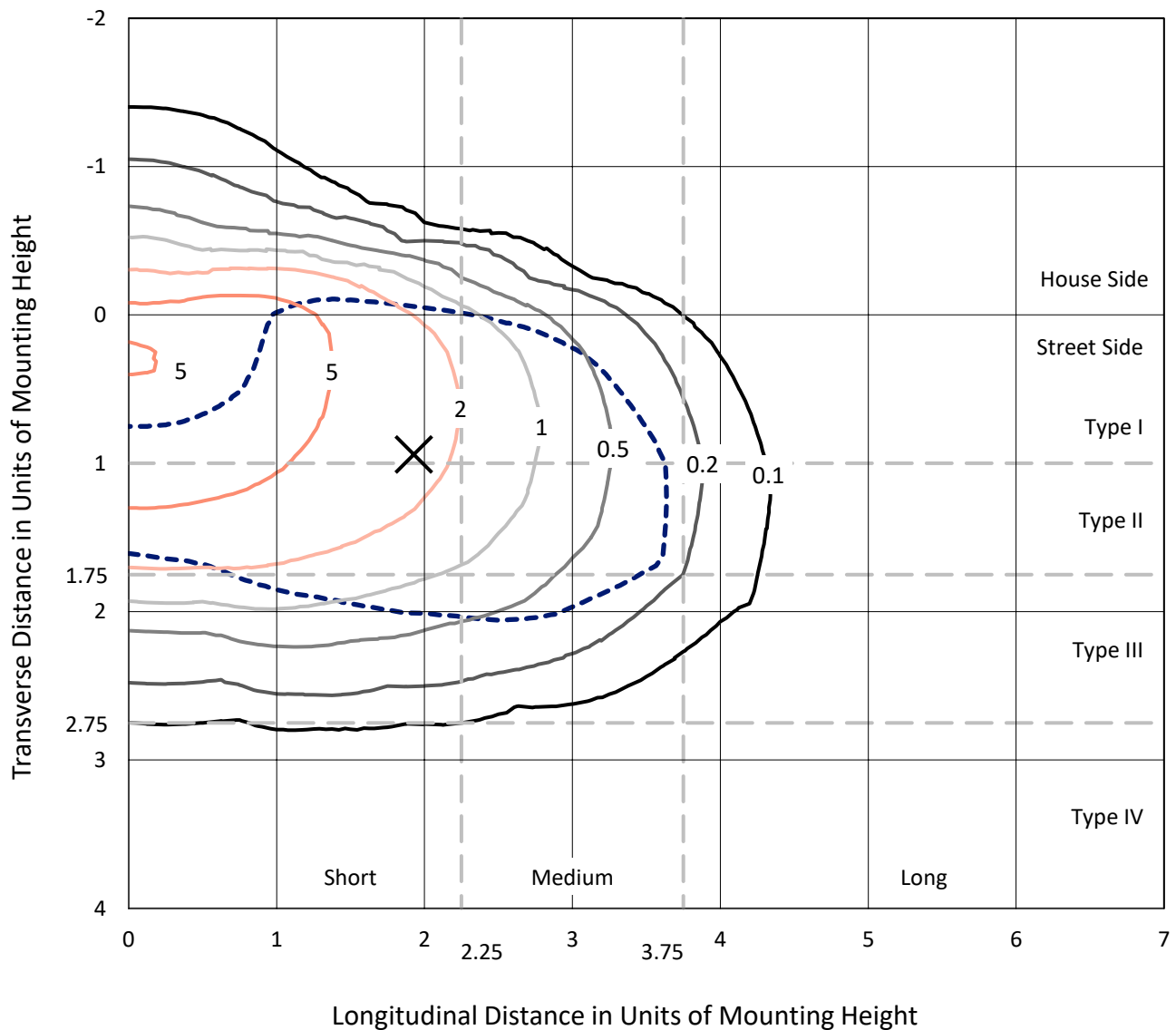


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## Iso-Footcandle Lines of Horizontal Illumination

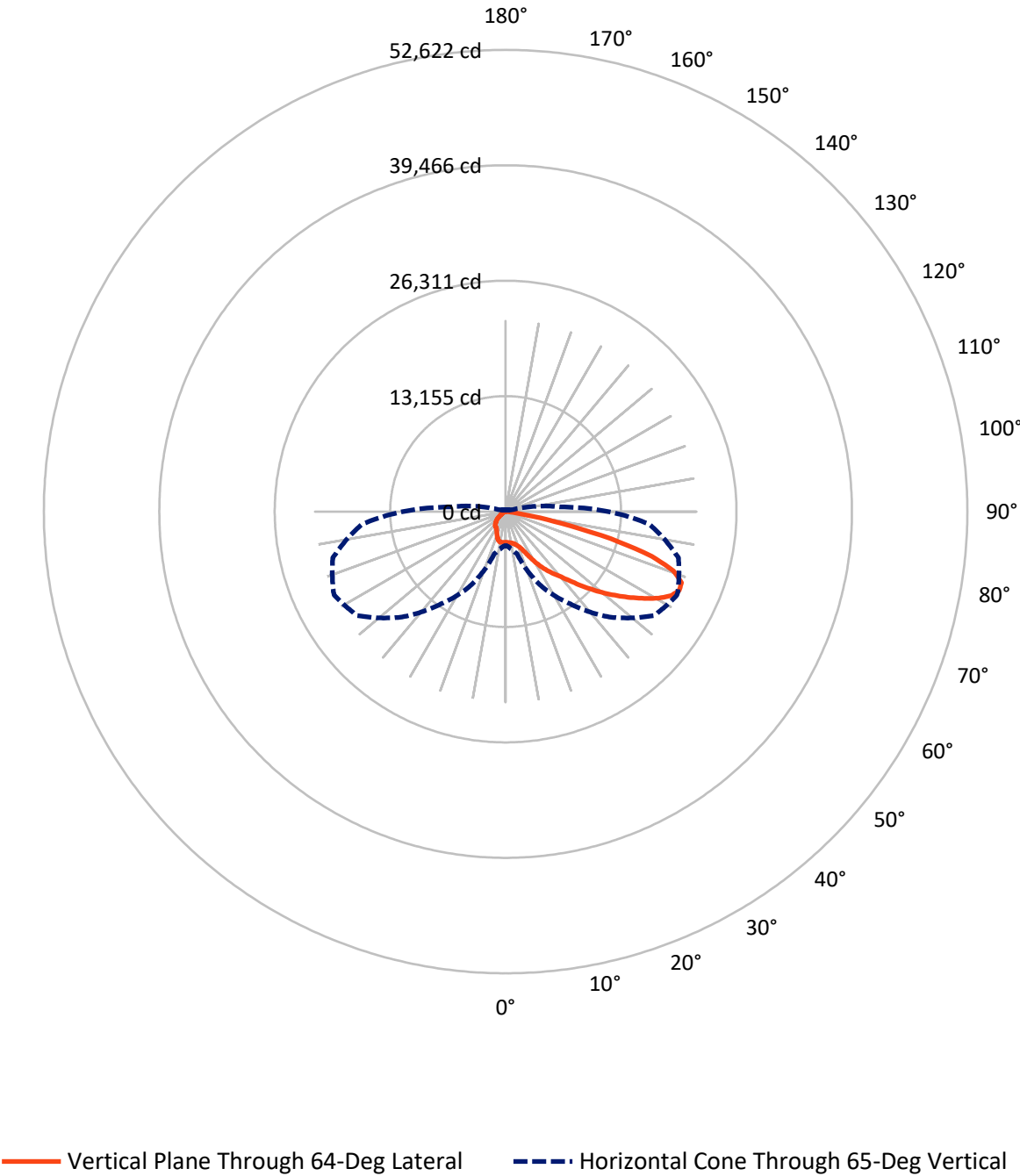
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc  
Type III - Short - N/A

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Luminous Intensity Polar Plot



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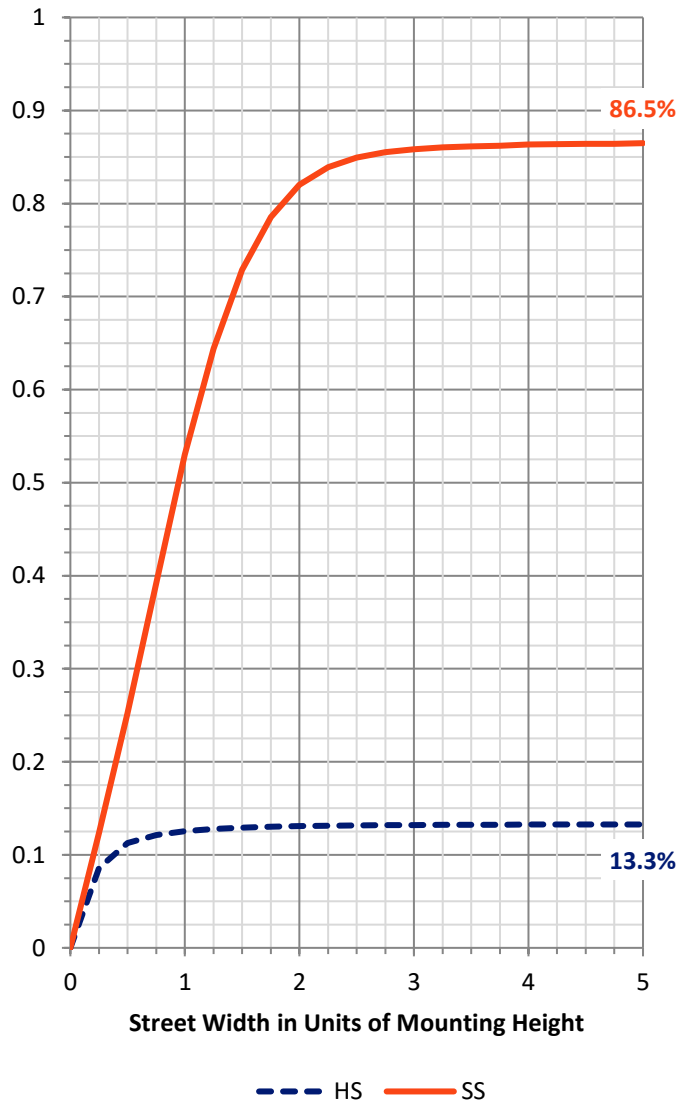
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4047.8   | 0.0    | 4047.8  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 26220.2  | 0.0    | 26220.2 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 30268.0  | 0.0    | 30268.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 324.8   | 1.1       |
| 10°-20°   | 881.0   | 2.9       |
| 20°-30°   | 1669.3  | 5.5       |
| 30°-40°   | 3377.9  | 11.2      |
| 40°-50°   | 5754.3  | 19.0      |
| 50°-60°   | 7825.4  | 25.9      |
| 60°-70°   | 7348.5  | 24.3      |
| 70°-80°   | 2944.1  | 9.7       |
| 80°-90°   | 142.6   | 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°    | 30268.0 | 100.0     |
| 0°-180°   | 30268.0 | 100.0     |

**Coefficient of Utilization**



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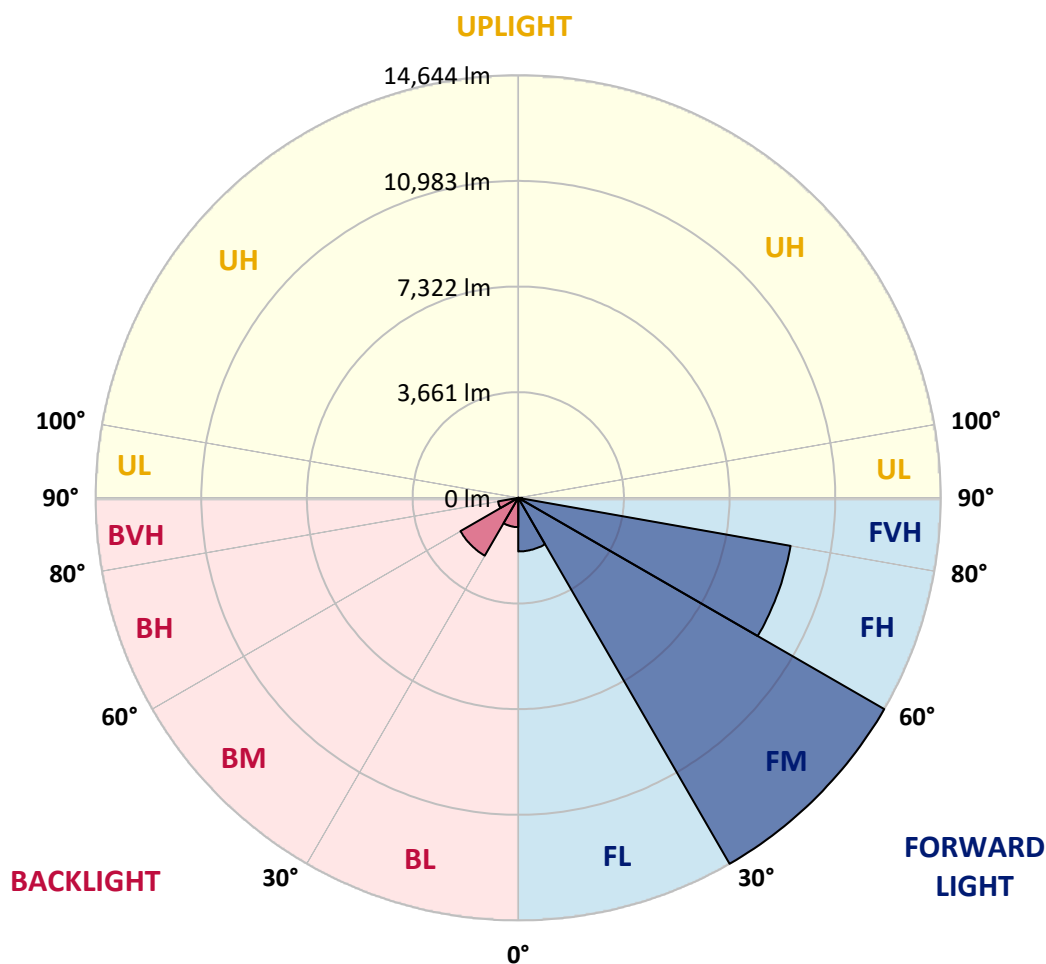
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1858.8  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 14643.6 | 48.4      |                         |      |          |
| FH   | (60°-80°)   | 9582.2  | 31.7      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 135.7   | 0.4       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1016.3  | 3.4       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2314.1  | 7.6       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 710.4   | 2.3       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 7.0     | 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°    | 3520.5  | 3520.5  | 3520.5  | 3520.5  | 3520.5  | 3520.5  | 3520.5  | 3520.5  | 3520.5  | 3520.5  |
| 2.5°  | 3508.3  | 3532.7  | 3526.6  | 3520.5  | 3518.5  | 3522.5  | 3524.5  | 3522.5  | 3522.5  | 3522.5  |
| 5°    | 3441.3  | 3461.6  | 3461.6  | 3475.8  | 3496.1  | 3520.5  | 3538.7  | 3542.8  | 3546.9  | 3552.9  |
| 7.5°  | 3313.5  | 3329.7  | 3341.9  | 3388.6  | 3439.3  | 3504.2  | 3559.0  | 3587.4  | 3591.5  | 3613.8  |
| 10°   | 3226.3  | 3246.6  | 3266.8  | 3315.5  | 3388.6  | 3486.0  | 3579.3  | 3648.3  | 3658.5  | 3711.2  |
| 12.5° | 3222.2  | 3242.5  | 3268.9  | 3321.6  | 3406.9  | 3510.3  | 3624.0  | 3723.4  | 3741.7  | 3818.8  |
| 15°   | 3264.8  | 3289.2  | 3313.5  | 3378.4  | 3469.8  | 3595.6  | 3717.3  | 3841.1  | 3859.3  | 3968.9  |
| 17.5° | 3352.1  | 3384.5  | 3402.8  | 3467.7  | 3565.1  | 3705.1  | 3865.4  | 4007.5  | 4023.7  | 4151.5  |
| 20°   | 3524.5  | 3563.1  | 3569.2  | 3621.9  | 3717.3  | 3867.5  | 4058.2  | 4234.7  | 4255.0  | 4401.1  |
| 22.5° | 3881.7  | 3936.4  | 3887.7  | 3914.1  | 3999.3  | 4149.5  | 4356.5  | 4579.7  | 4608.1  | 4774.5  |
| 25°   | 4510.7  | 4587.8  | 4462.0  | 4417.3  | 4453.9  | 4610.1  | 4869.8  | 5151.9  | 5184.3  | 5318.3  |
| 27.5° | 5746.4  | 5647.0  | 5456.2  | 5269.6  | 5160.0  | 5249.3  | 5541.5  | 5890.5  | 5931.0  | 6060.9  |
| 30°   | 7103.9  | 7016.6  | 6758.9  | 6345.0  | 6085.3  | 6071.1  | 6340.9  | 6730.5  | 6777.2  | 6901.0  |
| 32.5° | 8463.4  | 8380.2  | 8100.2  | 7590.9  | 7140.4  | 6917.2  | 7103.9  | 7536.1  | 7560.4  | 7639.5  |
| 35°   | 9800.5  | 9715.3  | 9435.3  | 8913.8  | 8359.9  | 7852.6  | 7816.1  | 8303.1  | 8311.2  | 8394.4  |
| 37.5° | 11145.8 | 11074.8 | 10776.5 | 10265.2 | 9719.4  | 9019.3  | 8680.5  | 9029.5  | 9039.6  | 9120.8  |
| 40°   | 12105.6 | 12136.0 | 11931.1 | 11535.4 | 11066.7 | 10301.7 | 9650.4  | 9802.6  | 9741.7  | 9877.6  |
| 42.5° | 12929.4 | 12990.3 | 12811.7 | 12612.9 | 12341.0 | 11667.3 | 10851.6 | 10825.2 | 10727.8 | 10800.9 |
| 45°   | 13641.6 | 13692.3 | 13532.0 | 13485.4 | 13479.3 | 13006.5 | 12164.4 | 12006.2 | 11870.2 | 11856.0 |
| 47.5° | 13903.4 | 14000.8 | 14069.8 | 14226.0 | 14530.4 | 14331.5 | 13521.9 | 13276.4 | 13124.2 | 13012.6 |
| 50°   | 14002.8 | 14106.3 | 14341.7 | 14796.2 | 15516.5 | 15601.7 | 14873.3 | 14597.3 | 14410.6 | 14207.7 |
| 52.5° | 13868.9 | 14053.5 | 14370.1 | 15135.0 | 16180.0 | 16620.3 | 16169.9 | 15928.4 | 15715.4 | 15384.6 |
| 55°   | 13079.6 | 13264.2 | 13911.5 | 15131.0 | 16510.8 | 17334.6 | 17395.4 | 17287.9 | 17048.5 | 16527.0 |
| 57.5° | 11415.7 | 11689.6 | 12714.3 | 14615.6 | 16504.7 | 17949.4 | 18596.7 | 18673.8 | 18405.9 | 17659.2 |
| 60°   | 9110.6  | 9482.0  | 10731.9 | 13473.2 | 15995.4 | 18282.2 | 19649.8 | 20035.3 | 19751.2 | 18775.2 |
| 62.5° | 6357.2  | 6787.3  | 7970.3  | 11683.5 | 14830.7 | 18042.7 | 20418.8 | 21131.0 | 20915.9 | 19773.5 |
| 65°   | 3877.6  | 4015.6  | 4969.3  | 9193.8  | 12850.3 | 17040.4 | 20656.2 | 21723.5 | 21652.5 | 20384.3 |
| 67.5° | 2583.0  | 2698.7  | 2972.6  | 6304.4  | 9975.0  | 15037.6 | 20088.1 | 21620.0 | 21640.3 | 20284.9 |
| 70°   | 1556.3  | 1655.7  | 1834.3  | 3666.6  | 6464.7  | 11902.7 | 18328.8 | 20301.1 | 20418.8 | 18955.8 |
| 72.5° | 641.2   | 708.2   | 870.5   | 1661.8  | 3348.0  | 7554.3  | 14595.3 | 17429.9 | 17703.9 | 15938.6 |
| 75°   | 363.2   | 397.7   | 511.3   | 834.0   | 1452.8  | 3520.5  | 8840.8  | 12373.4 | 12777.2 | 10985.5 |
| 77.5° | 241.5   | 257.7   | 330.7   | 539.7   | 817.7   | 1201.2  | 3778.2  | 6446.4  | 7217.5  | 6000.0  |
| 80°   | 162.3   | 176.5   | 227.3   | 361.2   | 531.6   | 515.4   | 1203.3  | 2388.2  | 2938.1  | 2061.6  |
| 82.5° | 109.6   | 111.6   | 162.3   | 237.4   | 336.8   | 249.6   | 355.1   | 742.6   | 933.4   | 596.6   |
| 85°   | 62.9    | 60.9    | 119.7   | 138.0   | 150.2   | 103.5   | 107.5   | 223.2   | 292.2   | 251.6   |
| 87.5° | 8.1     | 12.2    | 46.7    | 36.5    | 20.3    | 22.3    | 22.3    | 38.6    | 56.8    | 60.9    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3520.5  | 0°    | 3520.5  | 3520.5  | 3520.5 | 3520.5 | 3520.5 | 3520.5 | 3520.5 | 3520.5 | 3520.5 | 3520.5 |
| 3524.5  | 2.5°  | 3524.5  | 3522.5  | 3516.4 | 3510.3 | 3496.1 | 3488.0 | 3492.1 | 3488.0 | 3486.0 | 3488.0 |
| 3550.9  | 5°    | 3550.9  | 3544.8  | 3528.6 | 3508.3 | 3479.9 | 3445.4 | 3423.1 | 3390.6 | 3360.2 | 3341.9 |
| 3621.9  | 7.5°  | 3621.9  | 3615.9  | 3593.5 | 3536.7 | 3445.4 | 3301.3 | 3169.4 | 3053.8 | 2966.5 | 2915.8 |
| 3735.6  | 10°   | 3735.6  | 3725.4  | 3690.9 | 3565.1 | 3325.7 | 3011.2 | 2749.4 | 2532.3 | 2390.3 | 2323.3 |
| 3869.5  | 12.5° | 3869.5  | 3857.3  | 3796.4 | 3538.7 | 3098.4 | 2607.4 | 2246.2 | 2004.7 | 1872.9 | 1814.0 |
| 4023.7  | 15°   | 4027.8  | 4011.5  | 3891.8 | 3412.9 | 2767.7 | 2161.0 | 1830.2 | 1649.7 | 1564.4 | 1511.7 |
| 4220.5  | 17.5° | 4224.6  | 4196.2  | 3962.8 | 3224.2 | 2408.5 | 1820.1 | 1574.6 | 1438.6 | 1363.6 | 1312.8 |
| 4478.2  | 20°   | 4480.2  | 4433.6  | 4019.6 | 2999.0 | 2077.8 | 1605.0 | 1402.1 | 1288.5 | 1231.7 | 1187.0 |
| 4843.5  | 22.5° | 4837.4  | 4770.4  | 4088.6 | 2755.5 | 1844.4 | 1456.9 | 1274.3 | 1191.1 | 1144.4 | 1093.7 |
| 5352.8  | 25°   | 5279.7  | 5200.6  | 4173.9 | 2530.3 | 1684.2 | 1329.1 | 1180.9 | 1111.9 | 1057.2 | 998.3  |
| 6020.3  | 27.5° | 5898.6  | 5756.5  | 4275.3 | 2345.6 | 1546.2 | 1219.5 | 1095.7 | 1018.6 | 955.7  | 907.0  |
| 6777.2  | 30°   | 6588.5  | 6355.1  | 4364.6 | 2234.0 | 1420.4 | 1118.0 | 984.1  | 907.0  | 848.2  | 813.7  |
| 7456.9  | 32.5° | 7241.8  | 6925.3  | 4423.4 | 2185.3 | 1306.7 | 1002.4 | 862.4  | 779.2  | 734.5  | 724.4  |
| 8122.5  | 35°   | 7858.7  | 7440.7  | 4417.3 | 2138.7 | 1205.3 | 886.7  | 742.6  | 657.4  | 622.9  | 629.0  |
| 8838.7  | 37.5° | 8568.9  | 7990.6  | 4374.7 | 2065.6 | 1122.1 | 781.2  | 639.2  | 564.1  | 533.7  | 535.7  |
| 9709.2  | 40°   | 9394.7  | 8625.7  | 4348.4 | 1927.6 | 1030.8 | 683.8  | 553.9  | 493.1  | 470.8  | 462.6  |
| 10626.4 | 42.5° | 10275.3 | 9240.5  | 4352.4 | 1771.4 | 917.2  | 596.6  | 495.1  | 444.4  | 424.1  | 418.0  |
| 11647.0 | 45°   | 11160.0 | 9826.9  | 4358.5 | 1609.1 | 797.4  | 529.6  | 452.5  | 409.9  | 397.7  | 389.6  |
| 12681.9 | 47.5° | 11992.0 | 10326.1 | 4244.9 | 1434.6 | 679.7  | 478.9  | 418.0  | 389.6  | 379.4  | 369.3  |
| 13720.8 | 50°   | 12767.1 | 10658.8 | 3970.9 | 1231.7 | 586.4  | 438.3  | 391.6  | 371.3  | 361.2  | 351.0  |
| 14662.3 | 52.5° | 13369.7 | 10711.6 | 3518.5 | 1022.7 | 521.5  | 407.8  | 375.4  | 357.1  | 344.9  | 334.8  |
| 15423.2 | 55°   | 13637.6 | 10380.9 | 2875.2 | 827.9  | 470.8  | 381.5  | 359.2  | 340.9  | 326.7  | 316.5  |
| 16021.7 | 57.5° | 13568.6 | 9684.9  | 2242.2 | 665.5  | 422.1  | 355.1  | 338.9  | 326.7  | 310.5  | 294.2  |
| 16506.7 | 60°   | 13229.7 | 8753.5  | 1690.2 | 553.9  | 377.4  | 326.7  | 316.5  | 306.4  | 284.1  | 259.7  |
| 16693.4 | 62.5° | 12643.3 | 7582.7  | 1205.3 | 458.6  | 328.7  | 294.2  | 290.2  | 282.0  | 249.6  | 204.9  |
| 16417.4 | 65°   | 11746.4 | 6160.3  | 811.6  | 381.5  | 282.0  | 257.7  | 259.7  | 245.5  | 202.9  | 152.2  |
| 15406.9 | 67.5° | 10435.6 | 4504.6  | 519.4  | 312.5  | 235.4  | 215.1  | 217.1  | 209.0  | 172.5  | 129.9  |
| 13491.5 | 70°   | 8765.7  | 2982.8  | 338.9  | 237.4  | 188.7  | 166.4  | 178.6  | 180.6  | 146.1  | 105.5  |
| 10354.5 | 72.5° | 6426.1  | 1761.3  | 237.4  | 176.5  | 138.0  | 115.7  | 146.1  | 150.2  | 117.7  | 79.1   |
| 6229.3  | 75°   | 3662.5  | 836.0   | 178.6  | 127.8  | 85.2   | 81.2   | 113.6  | 113.6  | 81.2   | 52.8   |
| 2696.7  | 77.5° | 1538.1  | 349.0   | 125.8  | 83.2   | 48.7   | 46.7   | 77.1   | 71.0   | 40.6   | 24.3   |
| 657.4   | 80°   | 444.4   | 156.2   | 67.0   | 40.6   | 20.3   | 18.3   | 30.4   | 22.3   | 10.1   | 4.1    |
| 249.6   | 82.5° | 174.5   | 69.0    | 26.4   | 16.2   | 8.1    | 8.1    | 4.1    | 0.0    | 0.0    | 0.0    |
| 142.0   | 85°   | 103.5   | 28.4    | 12.2   | 6.1    | 2.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 30.4    | 87.5° | 26.4    | 6.1     | 4.1    | 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°   |
|--------|
| 3520.5 |
| 3496.1 |
| 3346.0 |
| 2917.8 |
| 2317.2 |
| 1807.9 |
| 1513.7 |
| 1308.8 |
| 1178.9 |
| 1085.6 |
| 992.2  |
| 896.9  |
| 807.6  |
| 730.5  |
| 629.0  |
| 543.8  |
| 460.6  |
| 416.0  |
| 389.6  |
| 369.3  |
| 351.0  |
| 332.8  |
| 314.5  |
| 292.2  |
| 255.7  |
| 200.9  |
| 148.1  |
| 123.8  |
| 101.5  |
| 75.1   |
| 48.7   |
| 24.3   |
| 4.1    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |