

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: P941296

Luminaire Tested: **GLAN-SB4D-735-U-T3-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941296  
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-SB4D-735-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3500K, 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: 31985 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 293.6  
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



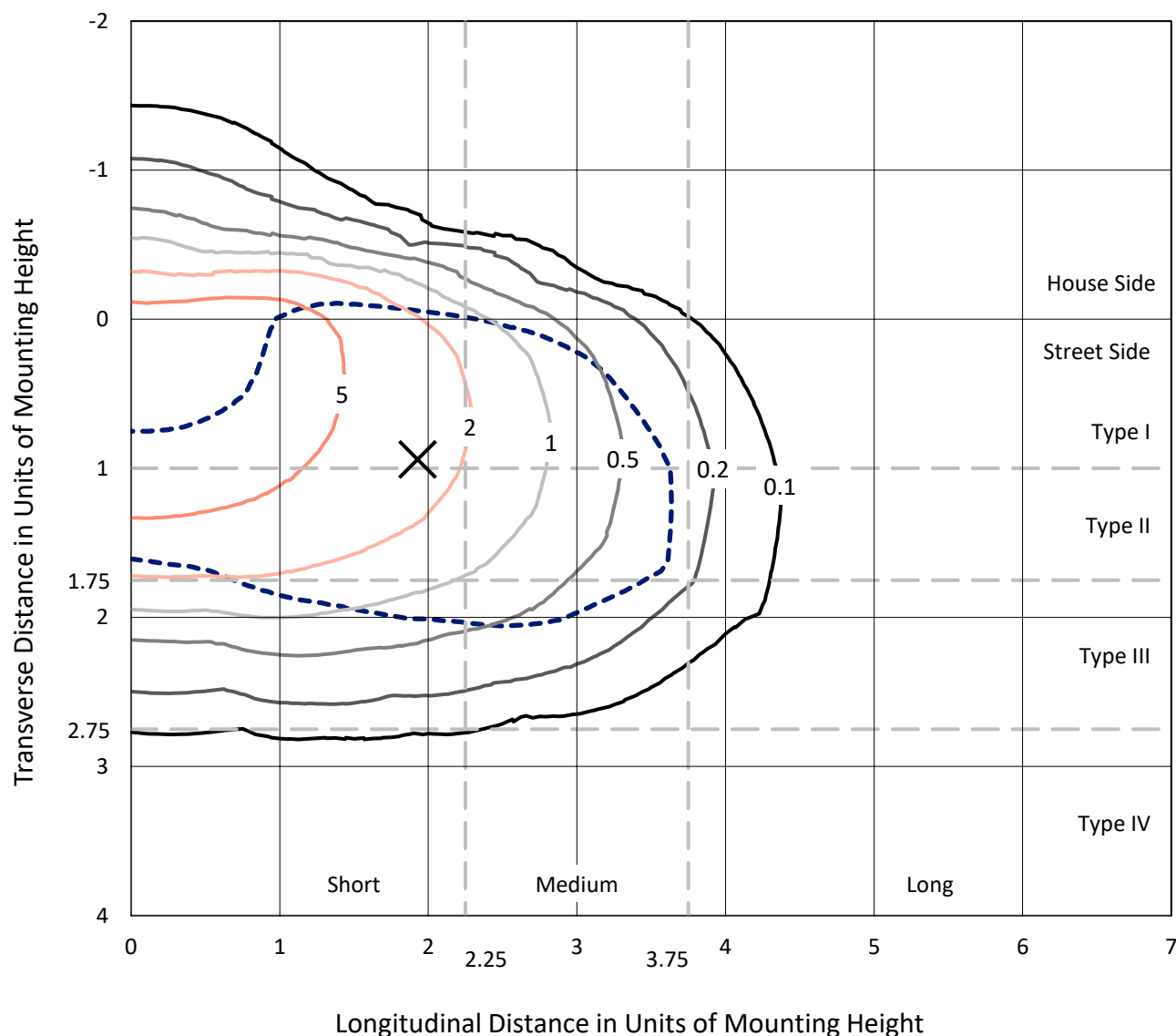
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

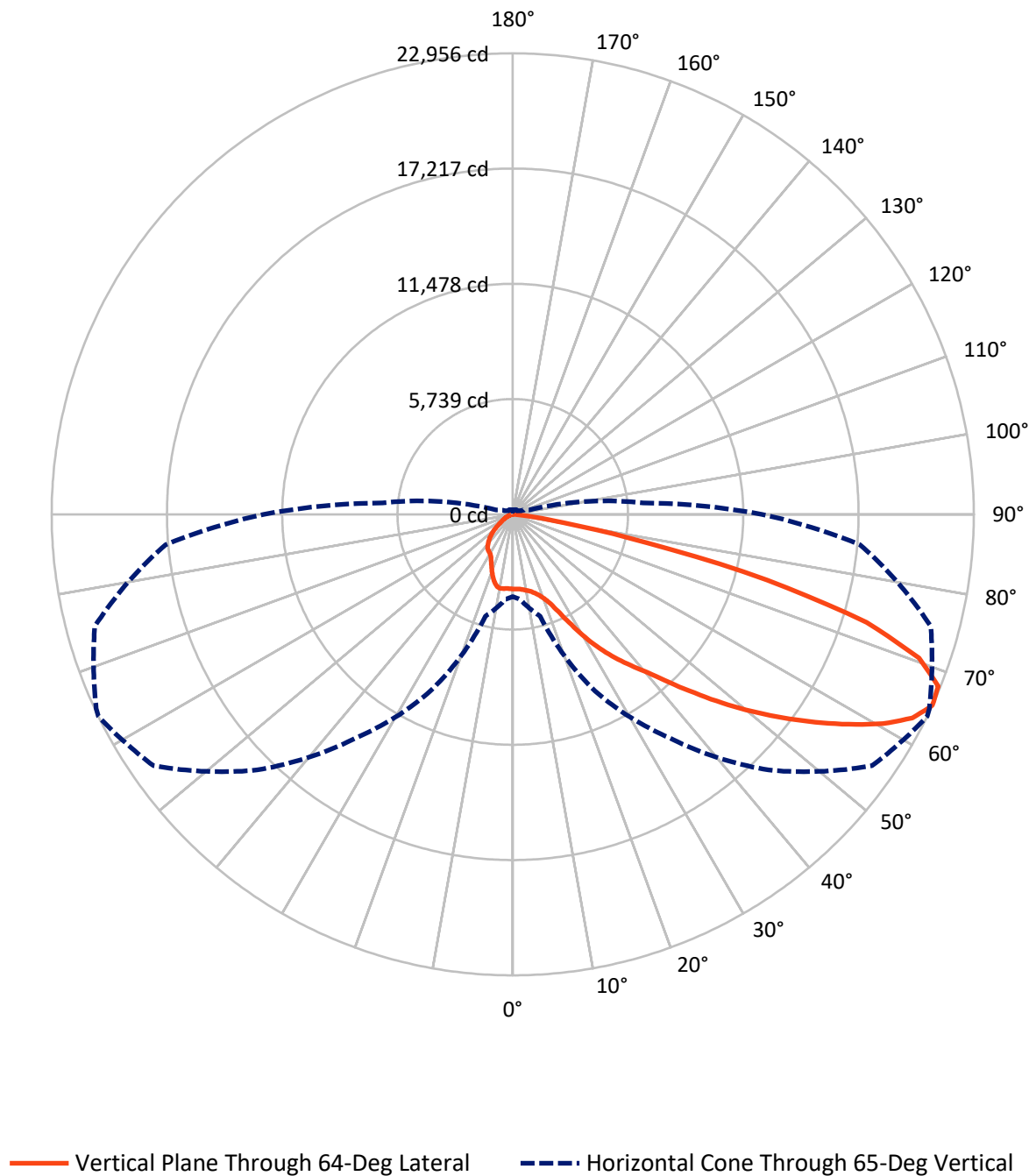
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc  
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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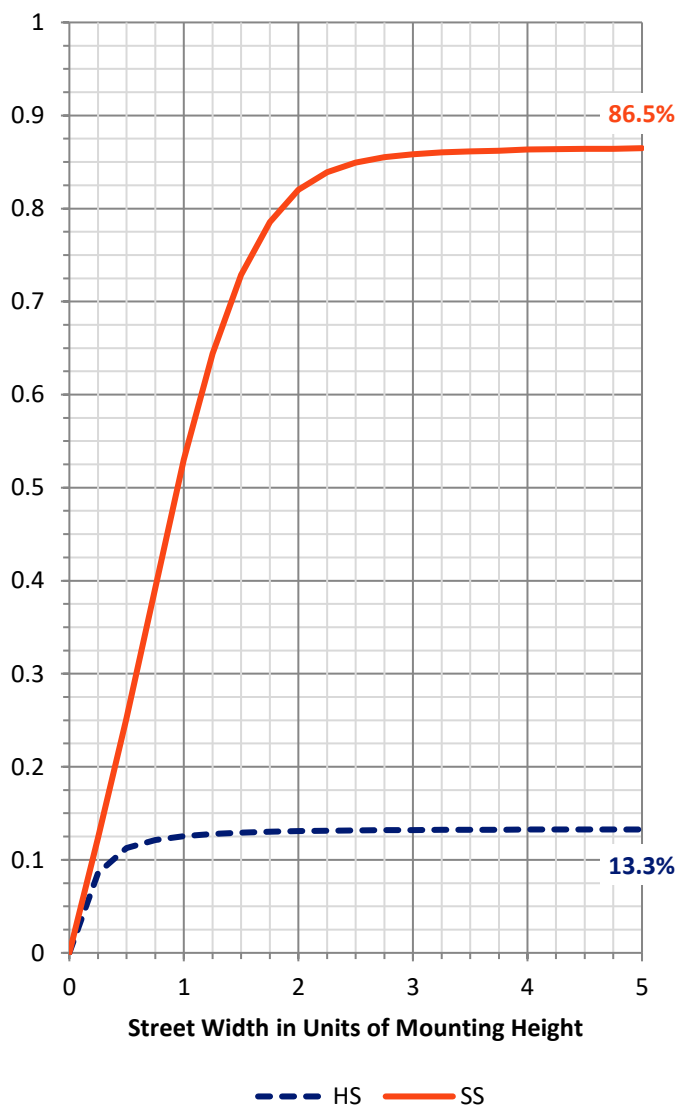
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4277.4   | 0.0    | 4277.4  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 27707.6  | 0.0    | 27707.6 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 31985.0  | 0.0    | 31985.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 343.2   | 1.1       |
| 10°-20°   | 930.9   | 2.9       |
| 20°-30°   | 1764.0  | 5.5       |
| 30°-40°   | 3569.5  | 11.2      |
| 40°-50°   | 6080.8  | 19.0      |
| 50°-60°   | 8269.4  | 25.9      |
| 60°-70°   | 7765.3  | 24.3      |
| 70°-80°   | 3111.1  | 9.7       |
| 80°-90°   | 150.7   | 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°    | 31985.0 | 100.0     |
| 0°-180°   | 31985.0 | 100.0     |

**Coefficient of Utilization**



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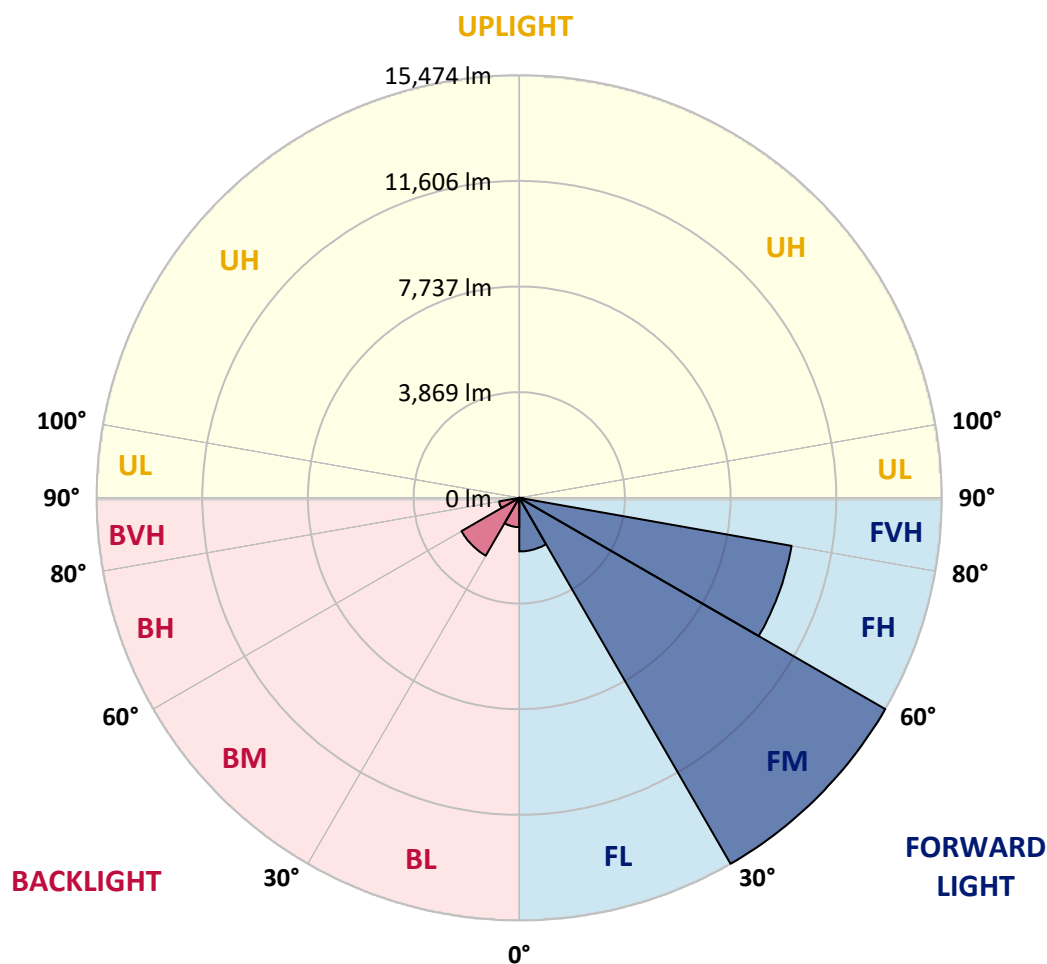
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1964.2  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 15474.3 | 48.4      |                         |      |          |
| FH   | (60°-80°)   | 10125.7 | 31.7      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 143.4   | 0.4       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1073.9  | 3.4       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2445.3  | 7.6       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 750.7   | 2.3       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 7.4     | 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°    | 3720.2  | 3720.2  | 3720.2  | 3720.2  | 3720.2  | 3720.2  | 3720.2  | 3720.2  | 3720.2  | 3720.2  |
| 2.5°  | 3707.3  | 3733.1  | 3726.6  | 3720.2  | 3718.0  | 3722.3  | 3724.5  | 3722.3  | 3722.3  | 3722.3  |
| 5°    | 3636.6  | 3658.0  | 3658.0  | 3673.0  | 3694.5  | 3720.2  | 3739.5  | 3743.8  | 3748.1  | 3754.5  |
| 7.5°  | 3501.5  | 3518.6  | 3531.5  | 3580.8  | 3634.4  | 3703.0  | 3760.9  | 3790.9  | 3795.2  | 3818.8  |
| 10°   | 3409.3  | 3430.7  | 3452.2  | 3503.6  | 3580.8  | 3683.7  | 3782.4  | 3855.3  | 3866.0  | 3921.7  |
| 12.5° | 3405.0  | 3426.4  | 3454.3  | 3510.1  | 3600.1  | 3709.5  | 3829.5  | 3934.6  | 3953.9  | 4035.4  |
| 15°   | 3450.0  | 3475.7  | 3501.5  | 3570.1  | 3666.6  | 3799.5  | 3928.2  | 4059.0  | 4078.3  | 4194.1  |
| 17.5° | 3542.2  | 3576.5  | 3595.8  | 3664.4  | 3767.4  | 3915.3  | 4084.7  | 4234.8  | 4251.9  | 4387.0  |
| 20°   | 3724.5  | 3765.2  | 3771.6  | 3827.4  | 3928.2  | 4086.8  | 4288.4  | 4474.9  | 4496.4  | 4650.8  |
| 22.5° | 4101.9  | 4159.7  | 4108.3  | 4136.2  | 4226.2  | 4384.9  | 4603.6  | 4839.5  | 4869.5  | 5045.3  |
| 25°   | 4766.6  | 4848.0  | 4715.1  | 4667.9  | 4706.5  | 4871.6  | 5146.1  | 5444.1  | 5478.4  | 5619.9  |
| 27.5° | 6072.4  | 5967.3  | 5765.8  | 5568.5  | 5452.7  | 5547.0  | 5855.8  | 6224.6  | 6267.5  | 6404.7  |
| 30°   | 7506.8  | 7414.6  | 7142.3  | 6704.9  | 6430.5  | 6415.4  | 6700.6  | 7112.3  | 7161.6  | 7292.4  |
| 32.5° | 8943.5  | 8855.5  | 8559.6  | 8021.5  | 7545.4  | 7309.6  | 7506.8  | 7963.6  | 7989.3  | 8072.9  |
| 35°   | 10356.5 | 10266.4 | 9970.5  | 9419.5  | 8834.1  | 8298.1  | 8259.5  | 8774.1  | 8782.6  | 8870.6  |
| 37.5° | 11778.1 | 11703.0 | 11387.8 | 10847.5 | 10270.7 | 9531.0  | 9172.9  | 9541.7  | 9552.4  | 9638.2  |
| 40°   | 12792.3 | 12824.5 | 12607.9 | 12189.8 | 11694.5 | 10886.1 | 10197.8 | 10358.6 | 10294.3 | 10438.0 |
| 42.5° | 13662.8 | 13727.2 | 13538.5 | 13328.3 | 13041.0 | 12329.2 | 11467.2 | 11439.3 | 11336.4 | 11413.6 |
| 45°   | 14415.5 | 14469.1 | 14299.7 | 14250.4 | 14243.9 | 13744.3 | 12854.5 | 12687.2 | 12543.6 | 12528.6 |
| 47.5° | 14692.1 | 14795.0 | 14867.9 | 15033.0 | 15354.6 | 15144.5 | 14289.0 | 14029.5 | 13868.7 | 13750.8 |
| 50°   | 14797.1 | 14906.5 | 15155.2 | 15635.5 | 16396.7 | 16486.8 | 15717.0 | 15425.4 | 15228.1 | 15013.7 |
| 52.5° | 14655.6 | 14850.7 | 15185.2 | 15993.6 | 17097.9 | 17563.1 | 17087.1 | 16832.0 | 16606.8 | 16257.3 |
| 55°   | 13821.5 | 14016.6 | 14700.6 | 15989.3 | 17447.4 | 18317.9 | 18382.2 | 18268.6 | 18015.6 | 17464.5 |
| 57.5° | 12063.3 | 12352.7 | 13435.6 | 15444.7 | 17440.9 | 18967.6 | 19651.6 | 19733.1 | 19450.0 | 18661.0 |
| 60°   | 9627.5  | 10019.8 | 11340.7 | 14237.5 | 16902.7 | 19319.2 | 20764.4 | 21171.8 | 20871.6 | 19840.3 |
| 62.5° | 6717.8  | 7172.4  | 8422.4  | 12346.3 | 15672.0 | 19066.2 | 21577.1 | 22329.7 | 22102.4 | 20895.2 |
| 65°   | 4097.6  | 4243.4  | 5251.1  | 9715.4  | 13579.2 | 18007.0 | 21828.0 | 22955.8 | 22880.8 | 21540.6 |
| 67.5° | 2729.6  | 2851.8  | 3141.3  | 6662.0  | 10540.9 | 15890.7 | 21227.6 | 22846.5 | 22867.9 | 21435.6 |
| 70°   | 1644.6  | 1749.7  | 1938.4  | 3874.6  | 6831.4  | 12577.9 | 19368.6 | 21452.7 | 21577.1 | 20031.1 |
| 72.5° | 677.6   | 748.3   | 919.9   | 1756.1  | 3537.9  | 7982.9  | 15423.2 | 18418.7 | 18708.1 | 16842.7 |
| 75°   | 383.8   | 420.3   | 540.3   | 881.3   | 1535.2  | 3720.2  | 9342.3  | 13075.3 | 13502.0 | 11608.7 |
| 77.5° | 255.2   | 272.3   | 349.5   | 570.4   | 864.1   | 1269.4  | 3992.5  | 6812.1  | 7626.9  | 6340.4  |
| 80°   | 171.5   | 186.5   | 240.2   | 381.7   | 561.8   | 544.6   | 1271.5  | 2523.7  | 3104.8  | 2178.5  |
| 82.5° | 115.8   | 117.9   | 171.5   | 250.9   | 355.9   | 263.7   | 375.2   | 784.8   | 986.3   | 630.4   |
| 85°   | 66.5    | 64.3    | 126.5   | 145.8   | 158.7   | 109.4   | 113.6   | 235.9   | 308.8   | 265.9   |
| 87.5° | 8.6     | 12.9    | 49.3    | 38.6    | 21.4    | 23.6    | 23.6    | 40.7    | 60.0    | 64.3    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3720.2  | 0°    | 3720.2  | 3720.2  | 3720.2 | 3720.2 | 3720.2 | 3720.2 | 3720.2 | 3720.2 | 3720.2 | 3720.2 |
| 3724.5  | 2.5°  | 3724.5  | 3722.3  | 3715.9 | 3709.5 | 3694.5 | 3685.9 | 3690.2 | 3685.9 | 3683.7 | 3685.9 |
| 3752.4  | 5°    | 3752.4  | 3745.9  | 3728.8 | 3707.3 | 3677.3 | 3640.9 | 3617.3 | 3583.0 | 3550.8 | 3531.5 |
| 3827.4  | 7.5°  | 3827.4  | 3821.0  | 3797.4 | 3737.3 | 3640.9 | 3488.6 | 3349.2 | 3227.0 | 3134.8 | 3081.2 |
| 3947.5  | 10°   | 3947.5  | 3936.8  | 3900.3 | 3767.4 | 3514.3 | 3182.0 | 2905.4 | 2676.0 | 2525.9 | 2455.1 |
| 4089.0  | 12.5° | 4089.0  | 4076.1  | 4011.8 | 3739.5 | 3274.2 | 2755.3 | 2373.6 | 2118.5 | 1979.1 | 1916.9 |
| 4251.9  | 15°   | 4256.2  | 4239.1  | 4112.6 | 3606.5 | 2924.7 | 2283.6 | 1934.1 | 1743.2 | 1653.2 | 1597.4 |
| 4459.9  | 17.5° | 4464.2  | 4434.2  | 4187.6 | 3407.1 | 2545.2 | 1923.3 | 1663.9 | 1520.2 | 1440.9 | 1387.3 |
| 4732.3  | 20°   | 4734.4  | 4685.1  | 4247.7 | 3169.1 | 2195.7 | 1696.1 | 1481.6 | 1361.6 | 1301.5 | 1254.4 |
| 5118.2  | 22.5° | 5111.8  | 5041.0  | 4320.6 | 2911.8 | 1949.1 | 1539.5 | 1346.6 | 1258.6 | 1209.3 | 1155.7 |
| 5656.4  | 25°   | 5579.2  | 5495.6  | 4410.6 | 2673.8 | 1779.7 | 1404.5 | 1247.9 | 1175.0 | 1117.1 | 1054.9 |
| 6361.8  | 27.5° | 6233.2  | 6083.1  | 4517.8 | 2478.7 | 1633.9 | 1288.7 | 1157.9 | 1076.4 | 1009.9 | 958.5  |
| 7161.6  | 30°   | 6962.2  | 6715.6  | 4612.2 | 2360.8 | 1500.9 | 1181.5 | 1039.9 | 958.5  | 896.3  | 859.8  |
| 7879.9  | 32.5° | 7652.7  | 7318.2  | 4674.4 | 2309.3 | 1380.9 | 1059.2 | 911.3  | 823.4  | 776.2  | 765.5  |
| 8583.2  | 35°   | 8304.5  | 7862.8  | 4667.9 | 2260.0 | 1273.7 | 937.0  | 784.8  | 694.7  | 658.3  | 664.7  |
| 9340.1  | 37.5° | 9055.0  | 8443.9  | 4622.9 | 2182.8 | 1185.7 | 825.5  | 675.4  | 596.1  | 563.9  | 566.1  |
| 10260.0 | 40°   | 9927.6  | 9115.0  | 4595.0 | 2037.0 | 1089.3 | 722.6  | 585.4  | 521.0  | 497.5  | 488.9  |
| 11229.2 | 42.5° | 10858.2 | 9764.7  | 4599.3 | 1871.9 | 969.2  | 630.4  | 523.2  | 469.6  | 448.1  | 441.7  |
| 12307.7 | 45°   | 11793.1 | 10384.4 | 4605.7 | 1700.4 | 842.7  | 559.6  | 478.2  | 433.1  | 420.3  | 411.7  |
| 13401.3 | 47.5° | 12672.2 | 10911.8 | 4485.7 | 1515.9 | 718.3  | 506.0  | 441.7  | 411.7  | 401.0  | 390.2  |
| 14499.1 | 50°   | 13491.3 | 11263.5 | 4196.2 | 1301.5 | 619.7  | 463.1  | 413.8  | 392.4  | 381.7  | 370.9  |
| 15494.0 | 52.5° | 14128.1 | 11319.2 | 3718.0 | 1080.7 | 551.1  | 431.0  | 396.7  | 377.4  | 364.5  | 353.8  |
| 16298.1 | 55°   | 14411.2 | 10969.7 | 3038.3 | 874.8  | 497.5  | 403.1  | 379.5  | 360.2  | 345.2  | 334.5  |
| 16930.6 | 57.5° | 14338.3 | 10234.3 | 2369.3 | 703.3  | 446.0  | 375.2  | 358.1  | 345.2  | 328.1  | 310.9  |
| 17443.1 | 60°   | 13980.2 | 9250.1  | 1786.1 | 585.4  | 398.8  | 345.2  | 334.5  | 323.8  | 300.2  | 274.5  |
| 17640.3 | 62.5° | 13360.5 | 8012.9  | 1273.7 | 484.6  | 347.4  | 310.9  | 306.6  | 298.0  | 263.7  | 216.6  |
| 17348.7 | 65°   | 12412.8 | 6509.8  | 857.7  | 403.1  | 298.0  | 272.3  | 274.5  | 259.4  | 214.4  | 160.8  |
| 16280.9 | 67.5° | 11027.6 | 4760.1  | 548.9  | 330.2  | 248.7  | 227.3  | 229.4  | 220.9  | 182.3  | 137.2  |
| 14256.8 | 70°   | 9262.9  | 3152.0  | 358.1  | 250.9  | 199.4  | 175.8  | 188.7  | 190.8  | 154.4  | 111.5  |
| 10941.9 | 72.5° | 6790.7  | 1861.2  | 250.9  | 186.5  | 145.8  | 122.2  | 154.4  | 158.7  | 124.4  | 83.6   |
| 6582.7  | 75°   | 3870.3  | 883.4   | 188.7  | 135.1  | 90.1   | 85.8   | 120.1  | 120.1  | 85.8   | 55.7   |
| 2849.6  | 77.5° | 1625.3  | 368.8   | 132.9  | 87.9   | 51.5   | 49.3   | 81.5   | 75.0   | 42.9   | 25.7   |
| 694.7   | 80°   | 469.6   | 165.1   | 70.8   | 42.9   | 21.4   | 19.3   | 32.2   | 23.6   | 10.7   | 4.3    |
| 263.7   | 82.5° | 184.4   | 72.9    | 27.9   | 17.2   | 8.6    | 8.6    | 4.3    | 0.0    | 0.0    | 0.0    |
| 150.1   | 85°   | 109.4   | 30.0    | 12.9   | 6.4    | 2.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 32.2    | 87.5° | 27.9    | 6.4     | 4.3    | 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°   |
|--------|
| 3720.2 |
| 3694.5 |
| 3535.8 |
| 3083.4 |
| 2448.7 |
| 1910.5 |
| 1599.6 |
| 1383.0 |
| 1245.8 |
| 1147.1 |
| 1048.5 |
| 947.7  |
| 853.4  |
| 771.9  |
| 664.7  |
| 574.6  |
| 486.7  |
| 439.6  |
| 411.7  |
| 390.2  |
| 370.9  |
| 351.6  |
| 332.4  |
| 308.8  |
| 270.2  |
| 212.3  |
| 156.5  |
| 130.8  |
| 107.2  |
| 79.3   |
| 51.5   |
| 25.7   |
| 4.3    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |