

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: P943112

Luminaire Tested: **GLAN-SB7B-940-U-SL4**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943112  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7B-940-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 28765 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

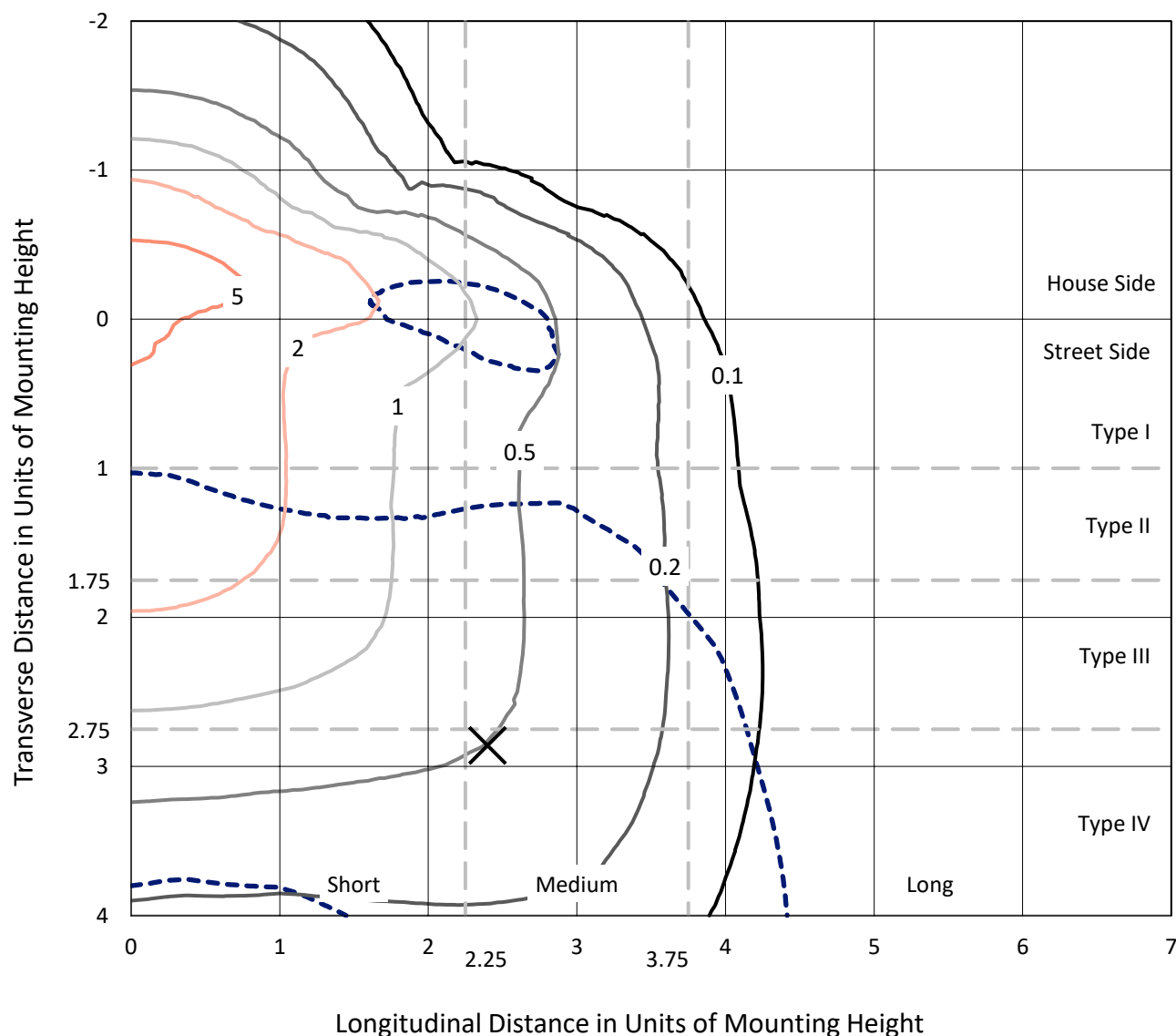
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

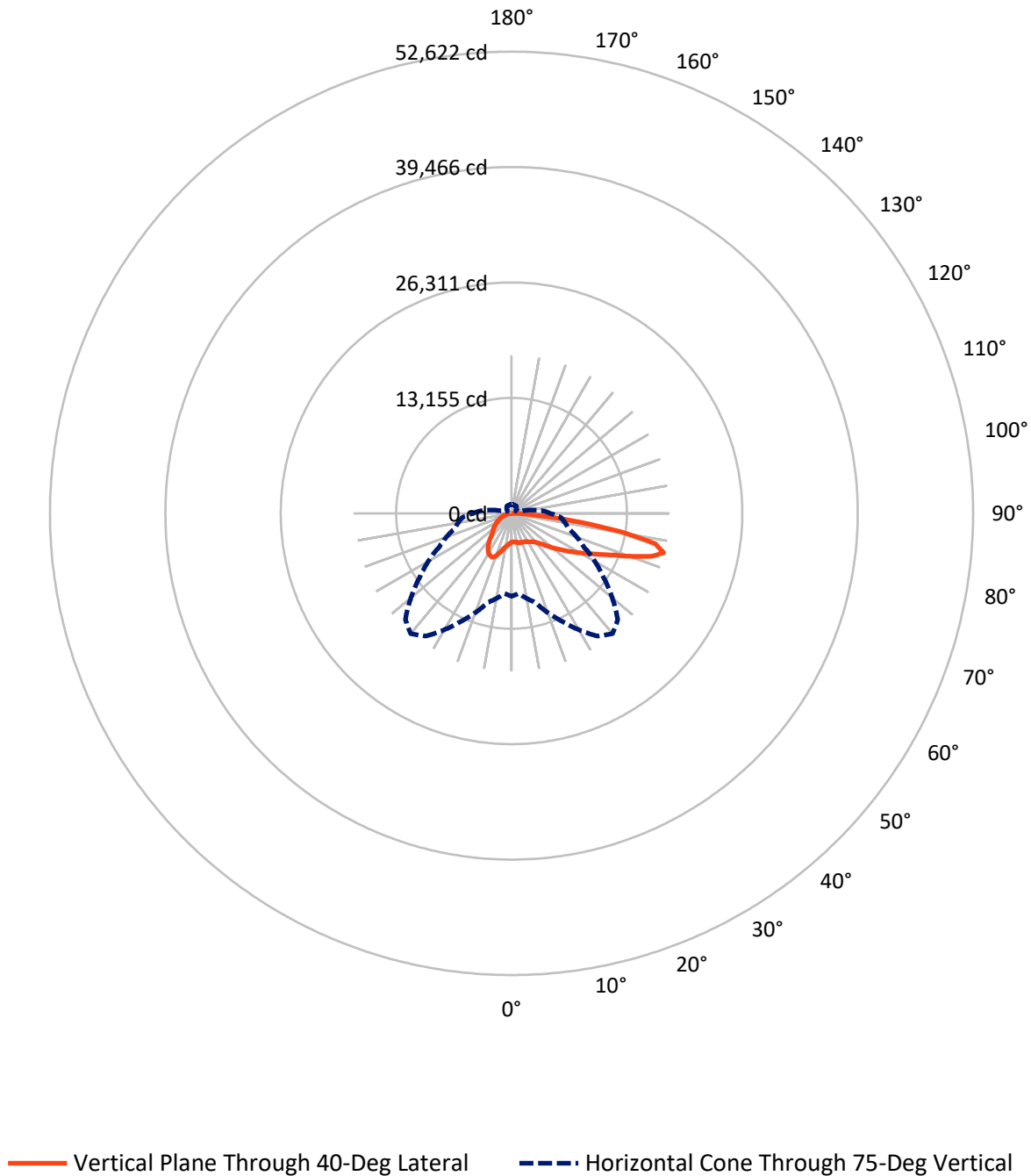
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc  
 Type IV - 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    | 8912.4   | 0.0    | 8912.4  |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 19852.6  | 0.0    | 19852.6 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 28765.0  | 0.0    | 28765.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 328.3   | 1.1       |
| 10°-20°   | 1102.4  | 3.8       |
| 20°-30°   | 2012.8  | 7.0       |
| 30°-40°   | 2854.8  | 9.9       |
| 40°-50°   | 3854.8  | 13.4      |
| 50°-60°   | 5185.7  | 18.0      |
| 60°-70°   | 6581.9  | 22.9      |
| 70°-80°   | 5973.5  | 20.8      |
| 80°-90°   | 870.7   | 3.0       |
| 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°    | 28765.0 | 100.0     |
| 0°-180°   | 28765.0 | 100.0     |

**Coefficient of Utilization**



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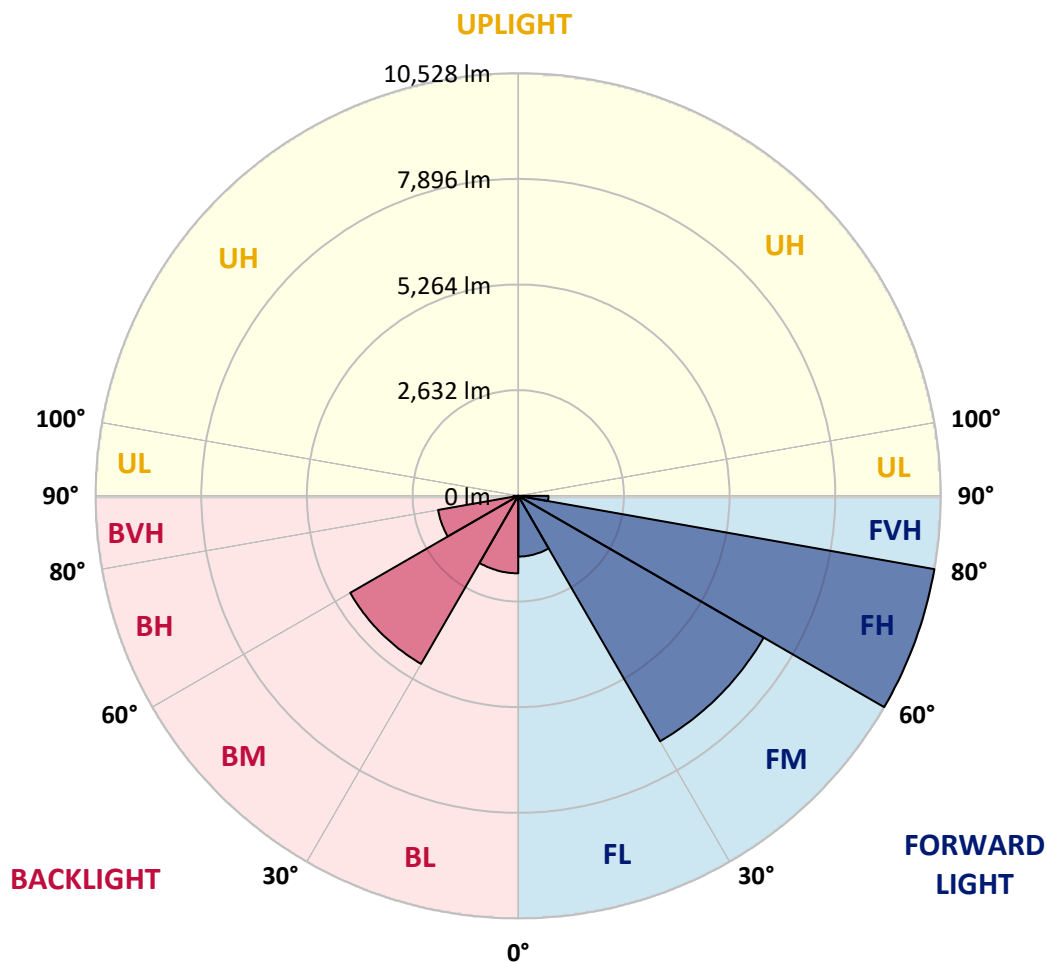
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1513.1  | 5.3       |                         |      |          |
| FM   | (30°-60°)   | 7061.2  | 24.5      |                         |      |          |
| FH   | (60°-80°)   | 10527.5 | 36.6      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 750.9   | 2.6       |                         |      | G5       |
| BL   | (0°-30°)    | 1930.5  | 6.7       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 4834.2  | 16.8      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2027.8  | 7.0       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 119.9   | 0.4       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G5**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°     | 65°    | 75°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 0°    | 3289.3  | 3289.3  | 3289.3  | 3289.3  | 3289.3  | 3289.3  | 3289.3  | 3289.3  | 3289.3 | 3289.3 |
| 2.5°  | 3239.0  | 3257.3  | 3252.7  | 3246.6  | 3246.6  | 3248.1  | 3246.6  | 3257.3  | 3268.0 | 3278.6 |
| 5°    | 3272.5  | 3290.8  | 3281.7  | 3274.1  | 3268.0  | 3266.4  | 3261.9  | 3260.3  | 3266.4 | 3280.2 |
| 7.5°  | 3338.1  | 3356.4  | 3342.7  | 3329.0  | 3316.8  | 3310.7  | 3304.6  | 3295.4  | 3290.8 | 3298.5 |
| 10°   | 3411.4  | 3429.7  | 3412.9  | 3388.5  | 3368.7  | 3361.0  | 3354.9  | 3345.8  | 3339.7 | 3344.2 |
| 12.5° | 3484.6  | 3502.9  | 3480.0  | 3446.5  | 3420.5  | 3415.9  | 3408.3  | 3405.3  | 3403.7 | 3402.2 |
| 15°   | 3553.3  | 3568.5  | 3539.5  | 3499.9  | 3472.4  | 3464.8  | 3457.1  | 3461.7  | 3469.3 | 3478.5 |
| 17.5° | 3606.7  | 3621.9  | 3579.2  | 3527.3  | 3501.4  | 3498.3  | 3493.8  | 3509.0  | 3530.4 | 3553.3 |
| 20°   | 3655.5  | 3670.7  | 3615.8  | 3545.6  | 3515.1  | 3515.1  | 3516.6  | 3548.7  | 3579.2 | 3612.8 |
| 22.5° | 3724.1  | 3736.3  | 3669.2  | 3573.1  | 3528.8  | 3531.9  | 3544.1  | 3576.1  | 3614.3 | 3660.1 |
| 25°   | 3826.3  | 3835.5  | 3753.1  | 3625.0  | 3574.6  | 3583.8  | 3594.4  | 3609.7  | 3646.3 | 3699.7 |
| 27.5° | 3991.1  | 3998.7  | 3890.4  | 3716.5  | 3640.2  | 3655.5  | 3670.7  | 3660.1  | 3676.8 | 3722.6 |
| 30°   | 4223.0  | 4227.6  | 4090.3  | 3859.9  | 3751.6  | 3759.2  | 3762.3  | 3718.0  | 3686.0 | 3722.6 |
| 32.5° | 4497.6  | 4496.1  | 4332.9  | 4033.8  | 3878.2  | 3870.6  | 3844.7  | 3757.7  | 3682.9 | 3715.0 |
| 35°   | 4923.3  | 4906.5  | 4696.0  | 4277.9  | 4021.6  | 3974.3  | 3913.3  | 3801.9  | 3698.2 | 3707.3 |
| 37.5° | 5628.1  | 5576.3  | 5284.9  | 4677.7  | 4235.2  | 4114.7  | 4024.7  | 3873.6  | 3731.8 | 3704.3 |
| 40°   | 6423.0  | 6357.4  | 6037.0  | 5225.4  | 4555.6  | 4361.9  | 4216.9  | 3975.9  | 3786.7 | 3718.0 |
| 42.5° | 7365.9  | 7272.8  | 6928.0  | 5870.7  | 4961.4  | 4680.7  | 4462.5  | 4105.5  | 3867.5 | 3762.3 |
| 45°   | 8523.8  | 8400.3  | 7912.1  | 6598.5  | 5472.5  | 5098.7  | 4807.3  | 4302.4  | 3991.1 | 3847.7 |
| 47.5° | 9694.0  | 9724.5  | 9030.4  | 7431.5  | 6085.8  | 5614.4  | 5239.1  | 4598.3  | 4171.1 | 3985.0 |
| 50°   | 10937.4 | 10958.8 | 10142.6 | 8354.5  | 6781.5  | 6197.2  | 5724.3  | 4929.4  | 4421.4 | 4180.3 |
| 52.5° | 11907.8 | 11910.8 | 11152.6 | 9320.2  | 7506.2  | 6838.0  | 6247.6  | 5307.8  | 4711.2 | 4439.7 |
| 55°   | 12515.0 | 12507.3 | 11860.5 | 10234.1 | 8339.2  | 7510.8  | 6827.3  | 5738.0  | 5065.2 | 4744.8 |
| 57.5° | 12955.9 | 12933.0 | 12348.7 | 11019.8 | 9227.2  | 8305.7  | 7483.3  | 6226.2  | 5483.2 | 5107.9 |
| 60°   | 13123.7 | 13110.0 | 12679.7 | 11698.7 | 10160.9 | 9184.5  | 8240.1  | 6772.4  | 5957.7 | 5536.6 |
| 62.5° | 13187.8 | 13213.7 | 13004.7 | 12356.3 | 11160.2 | 10157.8 | 9071.6  | 7425.4  | 6491.7 | 6021.8 |
| 65°   | 13413.6 | 13460.9 | 13418.2 | 13216.8 | 12289.2 | 11297.5 | 10174.6 | 8201.9  | 7074.5 | 6542.0 |
| 67.5° | 13860.6 | 13907.9 | 13926.2 | 14246.6 | 13668.4 | 12717.9 | 11550.7 | 9169.2  | 7756.4 | 7082.1 |
| 70°   | 13849.9 | 13836.2 | 14159.6 | 15065.9 | 15395.4 | 14684.4 | 13405.9 | 10359.2 | 8569.6 | 7530.6 |
| 72.5° | 12606.5 | 12496.7 | 13261.0 | 15056.7 | 16832.6 | 16738.0 | 15671.5 | 11894.0 | 9271.4 | 7585.6 |
| 75°   | 9457.5  | 9164.6  | 10514.8 | 13569.2 | 17072.1 | 17903.6 | 17111.8 | 12846.0 | 9105.1 | 6702.2 |
| 77.5° | 4044.5  | 3750.1  | 5341.3  | 10044.9 | 15279.5 | 16736.5 | 15790.5 | 11207.5 | 7268.2 | 4432.0 |
| 80°   | 1058.8  | 1057.3  | 1614.1  | 4554.1  | 10391.2 | 12359.3 | 10842.8 | 7237.7  | 4152.8 | 1583.6 |
| 82.5° | 437.9   | 427.2   | 593.5   | 1771.3  | 5077.4  | 6935.6  | 5660.2  | 3228.3  | 1499.7 | 428.7  |
| 85°   | 163.2   | 161.7   | 288.3   | 611.8   | 1791.1  | 2860.6  | 2070.3  | 825.4   | 373.8  | 209.0  |
| 87.5° | 45.8    | 44.2    | 62.6    | 212.1   | 436.3   | 662.1   | 354.0   | 135.8   | 105.3  | 82.4   |
| 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°   |
|--------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3289.3 | 0°    | 3289.3  | 3289.3 | 3289.3 | 3289.3 | 3289.3 | 3289.3 | 3289.3 | 3289.3 | 3289.3 | 3289.3 |
| 3295.4 | 2.5°  | 3300.0  | 3307.6 | 3321.4 | 3332.0 | 3345.8 | 3361.0 | 3382.4 | 3396.1 | 3409.8 | 3419.0 |
| 3303.0 | 5°    | 3313.7  | 3330.5 | 3365.6 | 3400.7 | 3441.9 | 3480.0 | 3524.3 | 3556.3 | 3582.2 | 3589.9 |
| 3330.5 | 7.5°  | 3344.2  | 3371.7 | 3431.2 | 3490.7 | 3556.3 | 3618.9 | 3682.9 | 3737.9 | 3782.1 | 3798.9 |
| 3379.3 | 10°   | 3397.6  | 3434.3 | 3518.2 | 3602.1 | 3689.0 | 3785.2 | 3867.5 | 3946.9 | 4009.4 | 4035.4 |
| 3437.3 | 12.5° | 3464.8  | 3510.5 | 3620.4 | 3736.3 | 3856.9 | 3989.6 | 4096.4 | 4194.0 | 4271.8 | 4306.9 |
| 3518.2 | 15°   | 3551.7  | 3611.2 | 3751.6 | 3907.2 | 4084.2 | 4268.8 | 4404.6 | 4512.9 | 4599.9 | 4642.6 |
| 3602.1 | 17.5° | 3646.3  | 3725.7 | 3902.6 | 4137.6 | 4390.8 | 4633.4 | 4792.1 | 4871.4 | 4961.4 | 5002.6 |
| 3679.9 | 20°   | 3737.9  | 3835.5 | 4088.8 | 4430.5 | 4767.7 | 5025.5 | 5153.7 | 5175.0 | 5181.1 | 5185.7 |
| 3753.1 | 22.5° | 3832.4  | 3963.7 | 4322.2 | 4799.7 | 5161.3 | 5339.8 | 5358.1 | 5266.6 | 5138.4 | 5078.9 |
| 3824.8 | 25°   | 3936.2  | 4110.1 | 4627.3 | 5207.1 | 5500.0 | 5521.4 | 5381.0 | 5158.2 | 4915.7 | 4804.3 |
| 3882.8 | 27.5° | 4036.9  | 4279.5 | 4993.5 | 5596.1 | 5744.1 | 5556.4 | 5254.4 | 4938.6 | 4645.6 | 4528.1 |
| 3924.0 | 30°   | 4137.6  | 4473.2 | 5397.8 | 5936.3 | 5855.5 | 5469.5 | 5054.5 | 4702.1 | 4407.6 | 4284.0 |
| 3960.6 | 32.5° | 4239.8  | 4699.0 | 5863.1 | 6182.0 | 5835.6 | 5284.9 | 4805.8 | 4436.6 | 4177.2 | 4047.6 |
| 3992.6 | 35°   | 4355.8  | 4976.7 | 6304.0 | 6316.2 | 5702.9 | 5013.3 | 4477.8 | 4119.3 | 3893.5 | 3789.7 |
| 4030.8 | 37.5° | 4506.8  | 5329.1 | 6693.1 | 6349.8 | 5471.0 | 4615.1 | 4070.5 | 3744.0 | 3557.8 | 3510.5 |
| 4087.2 | 40°   | 4694.4  | 5753.3 | 6990.6 | 6296.4 | 5127.7 | 4131.5 | 3625.0 | 3364.1 | 3258.8 | 3269.5 |
| 4163.5 | 42.5° | 4938.6  | 6227.7 | 7199.6 | 6159.1 | 4650.2 | 3632.6 | 3234.4 | 3118.4 | 3168.8 | 3211.5 |
| 4277.9 | 45°   | 5255.9  | 6720.5 | 7329.3 | 5925.7 | 4110.1 | 3210.0 | 3004.0 | 3031.5 | 3069.6 | 3074.2 |
| 4462.5 | 47.5° | 5661.7  | 7219.4 | 7414.7 | 5573.2 | 3559.4 | 2912.5 | 2857.6 | 2863.7 | 2856.0 | 2824.0 |
| 4738.7 | 50°   | 6168.2  | 7704.6 | 7491.0 | 5106.4 | 3091.0 | 2726.3 | 2653.1 | 2631.8 | 2526.5 | 2422.7 |
| 5106.4 | 52.5° | 6744.9  | 8150.1 | 7523.0 | 4526.6 | 2726.3 | 2570.7 | 2451.7 | 2317.5 | 2120.7 | 2088.6 |
| 5568.6 | 55°   | 7385.7  | 8562.0 | 7440.6 | 3814.1 | 2419.7 | 2370.9 | 2190.8 | 2029.1 | 2007.8 | 1980.3 |
| 6177.4 | 57.5° | 8151.6  | 9006.0 | 7272.8 | 3019.3 | 2105.4 | 2137.4 | 1962.0 | 1980.3 | 1942.2 | 1899.4 |
| 6960.0 | 60°   | 8989.2  | 9465.2 | 6978.4 | 2294.6 | 1780.4 | 1846.0 | 1902.5 | 1901.0 | 1890.3 | 1855.2 |
| 7785.4 | 62.5° | 9742.8  | 9767.3 | 6398.6 | 1757.6 | 1495.1 | 1620.2 | 1774.3 | 1772.8 | 1763.7 | 1743.8 |
| 8647.4 | 65°   | 10191.4 | 9721.5 | 5431.3 | 1383.8 | 1260.2 | 1434.1 | 1600.4 | 1612.6 | 1614.1 | 1612.6 |
| 9295.8 | 67.5° | 10112.1 | 9186.0 | 4104.0 | 1101.5 | 1066.4 | 1244.9 | 1428.0 | 1444.8 | 1457.0 | 1460.1 |
| 9378.2 | 70°   | 9215.0  | 8009.7 | 2676.0 | 878.8  | 894.0  | 1078.6 | 1264.8 | 1281.6 | 1292.2 | 1304.4 |
| 8137.9 | 72.5° | 7182.8  | 5889.0 | 1531.8 | 711.0  | 743.0  | 935.2  | 1103.0 | 1122.9 | 1129.0 | 1151.9 |
| 5663.2 | 75°   | 4377.1  | 3463.2 | 826.9  | 559.9  | 610.3  | 799.4  | 942.9  | 965.7  | 976.4  | 1003.9 |
| 2781.3 | 77.5° | 2081.0  | 1499.7 | 471.4  | 436.3  | 491.3  | 653.0  | 796.4  | 822.3  | 793.3  | 808.6  |
| 767.4  | 80°   | 703.3   | 556.9  | 297.5  | 332.6  | 375.3  | 509.6  | 637.7  | 663.7  | 602.6  | 599.6  |
| 254.8  | 82.5° | 245.6   | 225.8  | 189.2  | 221.2  | 242.6  | 364.6  | 482.1  | 515.7  | 448.5  | 447.0  |
| 114.4  | 85°   | 96.1    | 91.5   | 105.3  | 120.5  | 144.9  | 224.3  | 317.3  | 334.1  | 276.1  | 222.7  |
| 33.6   | 87.5° | 19.8    | 21.4   | 25.9   | 27.5   | 44.2   | 77.8   | 114.4  | 140.4  | 111.4  | 94.6   |
| 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°   |
|--------|
| 3289.3 |
| 3412.9 |
| 3592.9 |
| 3800.4 |
| 4036.9 |
| 4306.9 |
| 4639.5 |
| 5001.1 |
| 5197.9 |
| 5095.7 |
| 4821.1 |
| 4541.9 |
| 4297.8 |
| 4064.3 |
| 3812.6 |
| 3544.1 |
| 3306.1 |
| 3251.2 |
| 3104.7 |
| 2848.4 |
| 2436.5 |
| 2099.3 |
| 1984.9 |
| 1891.8 |
| 1843.0 |
| 1736.2 |
| 1612.6 |
| 1463.1 |
| 1310.5 |
| 1161.0 |
| 1006.9 |
| 796.4  |
| 593.5  |
| 425.7  |
| 219.7  |
| 87.0   |
| 0.0    |