

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: P955494

Luminaire Tested: **GLAN-SB8B-935-U-T3R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P955494  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-935-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 26371 lumens  
Efficiency: N/A  
Efficacy: 90.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G4

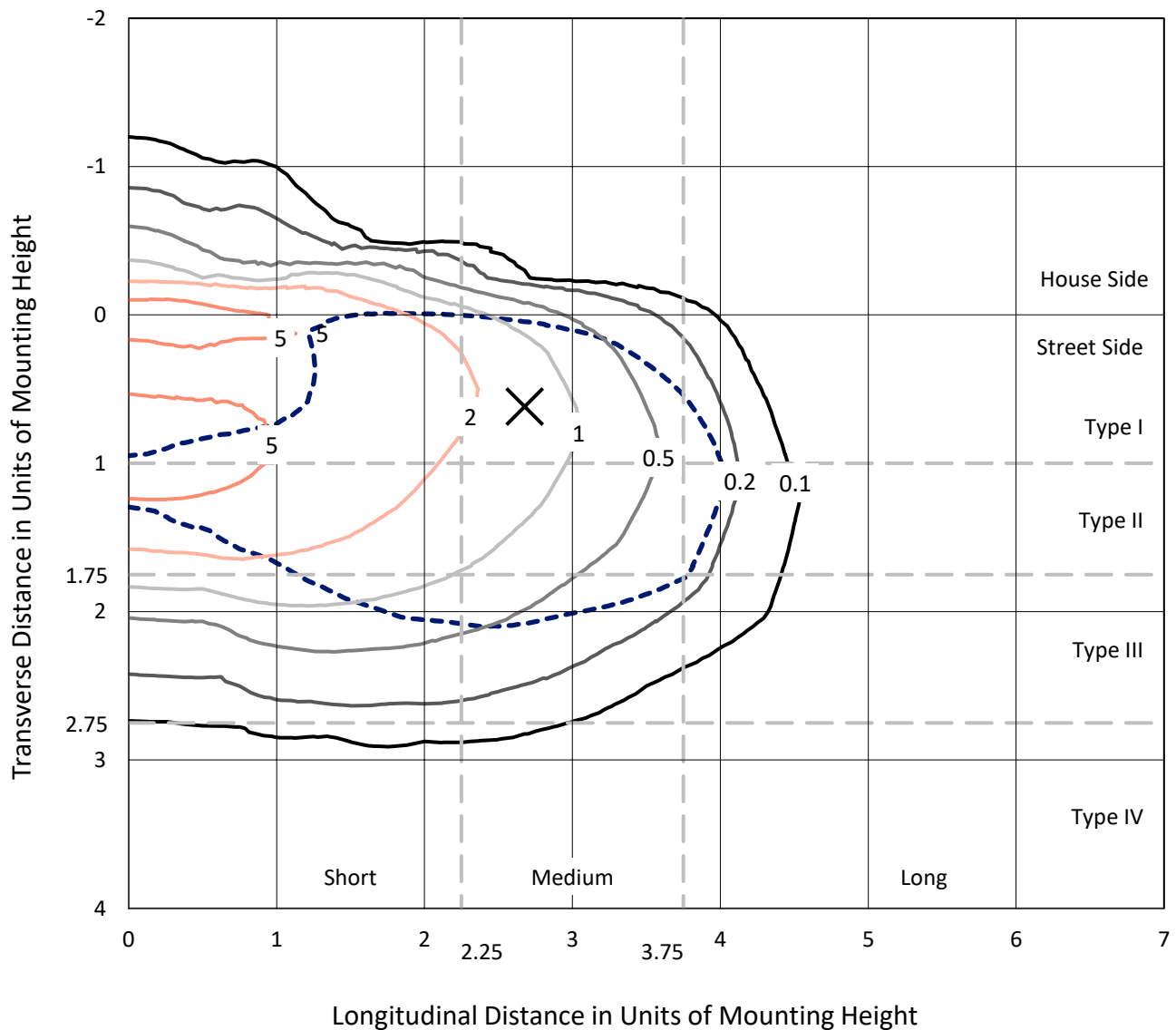
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

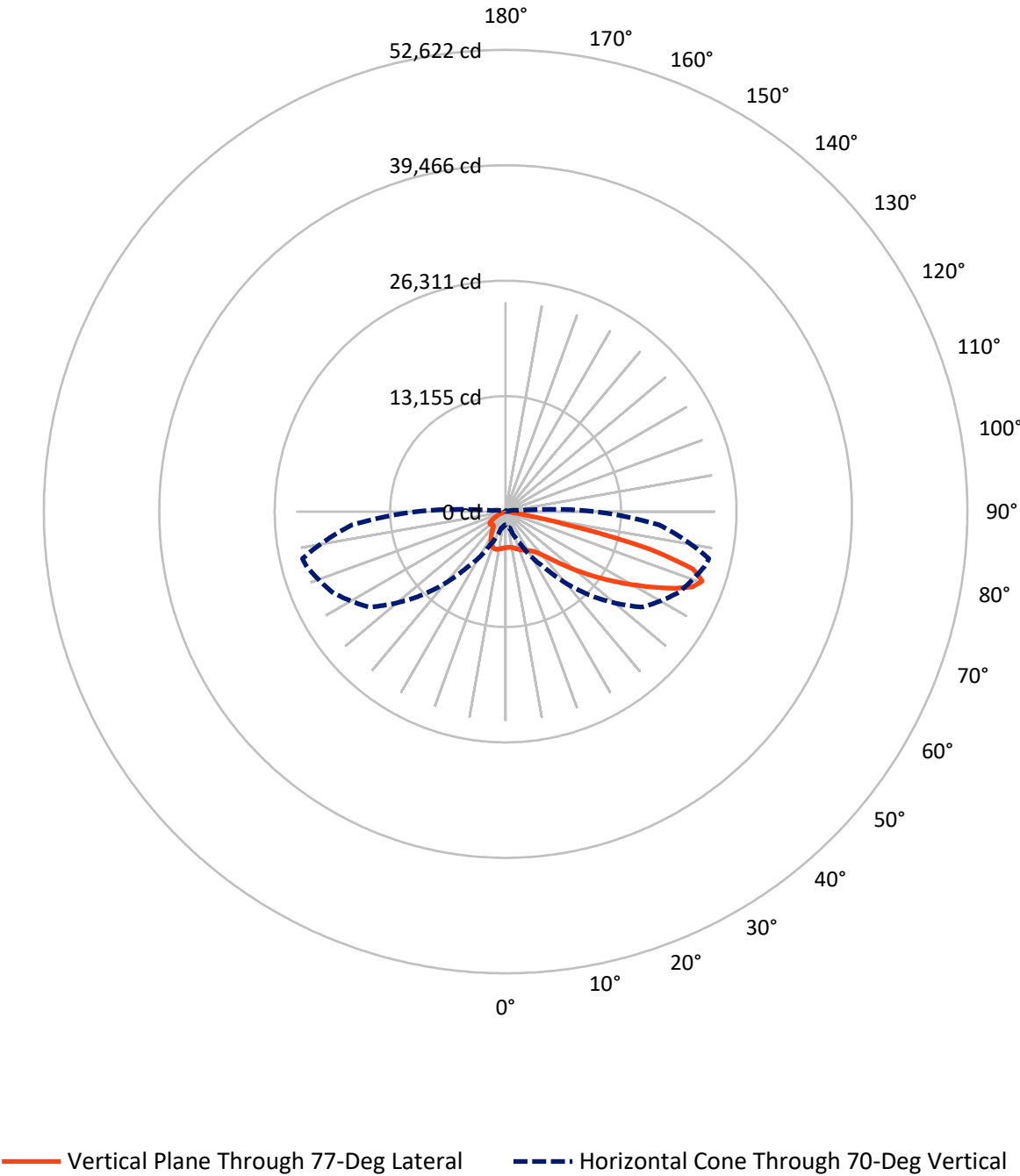
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc  
 Type III - 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    | 2779.9   | 0.0    | 2779.9  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 23591.1  | 0.0    | 23591.1 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 26371.0  | 0.0    | 26371.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 354.5   | 1.3       |
| 10°-20°   | 841.6   | 3.2       |
| 20°-30°   | 1301.7  | 4.9       |
| 30°-40°   | 2361.9  | 9.0       |
| 40°-50°   | 4458.5  | 16.9      |
| 50°-60°   | 6442.1  | 24.4      |
| 60°-70°   | 6857.4  | 26.0      |
| 70°-80°   | 3634.0  | 13.8      |
| 80°-90°   | 119.3   | 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°    | 26371.0 | 100.0     |
| 0°-180°   | 26371.0 | 100.0     |

**Coefficient of Utilization**



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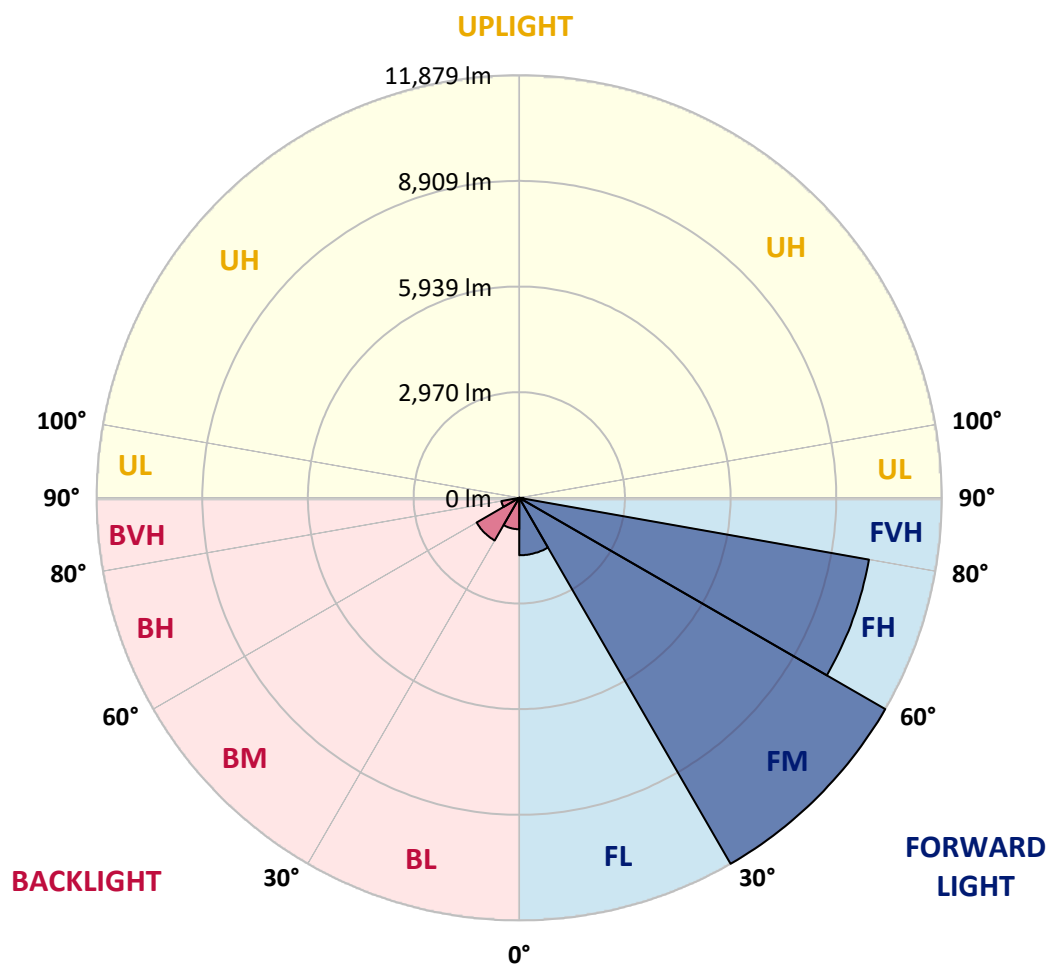
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1614.5  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 11878.7 | 45.0      |                         |      |          |
| FH   | (60°-80°)   | 9981.8  | 37.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 116.1   | 0.4       |                         |      | G2/225   |
| BL   | (0°-30°)    | 883.2   | 3.3       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1383.8  | 5.2       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 509.6   | 1.9       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 3.2     | 0.0       |                         |      | G0/10    |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B2-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4113.4  | 4113.4  | 4113.4  | 4113.4  | 4113.4  | 4113.4  | 4113.4  | 4113.4  | 4113.4  | 4113.4  |
| 2.5°  | 3861.9  | 3896.9  | 3891.9  | 3915.2  | 3923.6  | 3956.9  | 3990.2  | 4035.1  | 4085.1  | 4083.4  |
| 5°    | 3643.8  | 3678.7  | 3687.1  | 3718.7  | 3758.7  | 3810.3  | 3878.6  | 3968.5  | 4061.8  | 4076.8  |
| 7.5°  | 3385.6  | 3422.3  | 3443.9  | 3507.2  | 3580.5  | 3687.1  | 3798.6  | 3930.2  | 4085.1  | 4106.7  |
| 10°   | 3127.5  | 3160.8  | 3189.1  | 3279.1  | 3395.6  | 3553.8  | 3735.4  | 3925.2  | 4133.4  | 4165.0  |
| 12.5° | 2967.6  | 2999.3  | 3030.9  | 3109.2  | 3254.1  | 3447.3  | 3693.7  | 3948.5  | 4213.3  | 4258.3  |
| 15°   | 2911.0  | 2939.3  | 2964.3  | 3034.3  | 3169.1  | 3389.0  | 3685.4  | 3996.8  | 4314.9  | 4374.9  |
| 17.5° | 2919.3  | 2934.3  | 2951.0  | 3004.3  | 3135.8  | 3362.3  | 3700.4  | 4080.1  | 4434.8  | 4488.1  |
| 20°   | 2967.6  | 2976.0  | 2977.6  | 3014.3  | 3130.8  | 3359.0  | 3730.4  | 4160.0  | 4548.1  | 4619.7  |
| 22.5° | 3029.3  | 3032.6  | 3029.3  | 3054.2  | 3162.5  | 3384.0  | 3770.3  | 4256.6  | 4674.6  | 4741.2  |
| 25°   | 3317.4  | 3254.1  | 3174.1  | 3125.9  | 3215.8  | 3432.3  | 3830.3  | 4386.5  | 4812.8  | 4877.8  |
| 27.5° | 4211.7  | 4030.1  | 3743.7  | 3422.3  | 3325.7  | 3502.2  | 3913.6  | 4518.1  | 4952.7  | 5011.0  |
| 30°   | 5663.8  | 5425.7  | 4939.4  | 4215.0  | 3678.7  | 3648.8  | 4021.8  | 4649.6  | 5100.9  | 5164.2  |
| 32.5° | 7119.3  | 7061.1  | 6499.8  | 5497.3  | 4473.1  | 3975.2  | 4201.7  | 4827.8  | 5297.5  | 5347.4  |
| 35°   | 8591.5  | 8473.3  | 8013.6  | 7022.8  | 5697.1  | 4639.6  | 4501.4  | 5061.0  | 5555.6  | 5612.2  |
| 37.5° | 9718.9  | 9647.3  | 9362.6  | 8546.5  | 7149.3  | 5665.5  | 5014.4  | 5422.4  | 5930.3  | 5993.6  |
| 40°   | 10714.8 | 10681.5 | 10584.9 | 10047.0 | 8773.0  | 7007.8  | 5812.1  | 5981.9  | 6449.9  | 6524.8  |
| 42.5° | 11497.5 | 11575.8 | 11630.8 | 11480.9 | 10446.7 | 8539.9  | 6884.5  | 6768.0  | 7174.3  | 7250.9  |
| 45°   | 12298.6 | 12325.2 | 12546.7 | 12763.2 | 12108.7 | 10141.9 | 8093.6  | 7688.9  | 8075.3  | 8170.2  |
| 47.5° | 12813.2 | 12919.7 | 13309.4 | 13690.8 | 13505.9 | 11730.7 | 9392.5  | 8776.4  | 9119.4  | 9297.6  |
| 50°   | 12851.5 | 13053.0 | 13589.2 | 14253.7 | 14523.5 | 13242.8 | 10804.8 | 10015.4 | 10380.1 | 10576.6 |
| 52.5° | 12213.6 | 12526.7 | 13357.7 | 14330.3 | 15073.0 | 14523.5 | 12265.3 | 11254.4 | 11722.4 | 11978.8 |
| 55°   | 9364.2  | 9773.9  | 12486.7 | 13913.9 | 15094.7 | 15494.4 | 13687.5 | 12545.0 | 13217.8 | 13507.6 |
| 57.5° | 8158.5  | 8365.0  | 9817.2  | 13191.2 | 14693.3 | 15885.7 | 14973.1 | 13774.1 | 14844.9 | 15204.6 |
| 60°   | 6787.9  | 7059.4  | 8233.5  | 12008.8 | 14148.8 | 15924.0 | 16108.9 | 15359.5 | 16608.5 | 17013.2 |
| 62.5° | 4613.0  | 4907.8  | 6075.2  | 9977.1  | 13404.4 | 15905.7 | 17039.8 | 16991.5 | 18568.6 | 19003.2 |
| 65°   | 2857.7  | 3042.6  | 3812.0  | 8146.9  | 12363.5 | 15925.7 | 18014.0 | 18973.3 | 20636.9 | 21078.3 |
| 67.5° | 2258.2  | 2343.1  | 2744.5  | 6255.0  | 10569.9 | 15476.0 | 18986.6 | 20836.8 | 22583.7 | 22933.5 |
| 70°   | 1517.1  | 1568.8  | 1996.7  | 4193.3  | 7863.8  | 13401.0 | 18968.3 | 21772.7 | 23586.3 | 23761.1 |
| 72.5° | 799.4   | 839.3   | 1167.4  | 1941.8  | 4749.6  | 9525.8  | 15989.0 | 20653.6 | 22588.7 | 22325.6 |
| 75°   | 399.7   | 466.3   | 786.0   | 985.9   | 2028.4  | 5312.4  | 9928.8  | 16283.7 | 17779.2 | 16760.0 |
| 77.5° | 303.1   | 366.4   | 649.5   | 649.5   | 706.1   | 1788.6  | 4205.0  | 8881.3  | 8191.8  | 6821.2  |
| 80°   | 193.2   | 249.8   | 567.9   | 491.3   | 294.8   | 454.6   | 1095.8  | 2488.0  | 1740.3  | 1323.9  |
| 82.5° | 113.2   | 163.2   | 473.0   | 324.7   | 164.9   | 168.2   | 309.8   | 529.6   | 451.3   | 351.4   |
| 85°   | 45.0    | 106.6   | 324.7   | 128.2   | 64.9    | 41.6    | 93.3    | 113.2   | 93.3    | 69.9    |
| 87.5° | 0.0     | 25.0    | 56.6    | 0.0     | 5.0     | 3.3     | 6.7     | 8.3     | 8.3     | 6.7     |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4113.4  | 0°    | 4113.4  | 4113.4 | 4113.4 | 4113.4 | 4113.4 | 4113.4 | 4113.4 | 4113.4 | 4113.4 | 4113.4 |
| 4116.7  | 2.5°  | 4131.7  | 4135.0 | 4145.0 | 4146.7 | 4123.4 | 4093.4 | 4081.8 | 4076.8 | 4056.8 | 4055.1 |
| 4143.4  | 5°    | 4181.7  | 4196.7 | 4181.7 | 4138.4 | 4035.1 | 3890.2 | 3780.3 | 3690.4 | 3608.8 | 3583.8 |
| 4235.0  | 7.5°  | 4281.6  | 4296.6 | 4251.6 | 4081.8 | 3822.0 | 3533.9 | 3274.1 | 3090.9 | 2926.0 | 2864.4 |
| 4346.5  | 10°   | 4424.8  | 4444.8 | 4303.2 | 3960.2 | 3500.6 | 3037.6 | 2597.9 | 2288.2 | 2046.7 | 1948.5 |
| 4498.1  | 12.5° | 4604.7  | 4613.0 | 4331.6 | 3775.3 | 3082.6 | 2421.4 | 1798.6 | 1467.2 | 1252.3 | 1172.4 |
| 4681.3  | 15°   | 4802.9  | 4791.2 | 4334.9 | 3523.9 | 2513.0 | 1712.0 | 1174.1 | 964.2  | 877.6  | 851.0  |
| 4864.5  | 17.5° | 5011.0  | 4962.7 | 4268.3 | 3160.8 | 1888.5 | 1170.7 | 871.0  | 821.0  | 806.0  | 799.4  |
| 5046.0  | 20°   | 5215.9  | 5107.6 | 4146.7 | 2686.2 | 1355.6 | 874.3  | 791.0  | 776.1  | 767.7  | 764.4  |
| 5229.2  | 22.5° | 5402.4  | 5217.5 | 3938.5 | 2135.0 | 984.2  | 772.7  | 747.7  | 734.4  | 719.4  | 712.8  |
| 5407.4  | 25°   | 5583.9  | 5280.8 | 3645.4 | 1620.4 | 787.7  | 722.8  | 702.8  | 677.8  | 657.8  | 649.5  |
| 5598.9  | 27.5° | 5760.4  | 5320.8 | 3279.1 | 1199.0 | 702.8  | 676.1  | 639.5  | 604.5  | 589.5  | 586.2  |
| 5803.7  | 30°   | 5948.6  | 5334.1 | 2862.7 | 894.3  | 651.1  | 617.8  | 564.6  | 524.6  | 516.3  | 517.9  |
| 6080.2  | 32.5° | 6178.4  | 5354.1 | 2443.1 | 732.8  | 607.9  | 547.9  | 484.6  | 443.0  | 436.3  | 443.0  |
| 6483.2  | 35°   | 6453.2  | 5394.0 | 2038.4 | 674.5  | 569.5  | 476.3  | 408.0  | 373.0  | 366.4  | 371.4  |
| 6999.4  | 37.5° | 6826.2  | 5459.0 | 1660.3 | 662.8  | 537.9  | 416.3  | 343.1  | 314.8  | 314.8  | 316.4  |
| 7632.3  | 40°   | 7322.5  | 5632.2 | 1322.3 | 654.5  | 521.3  | 371.4  | 289.8  | 278.1  | 283.1  | 286.4  |
| 8438.3  | 42.5° | 7927.0  | 6000.2 | 1094.1 | 644.5  | 502.9  | 351.4  | 263.1  | 258.1  | 266.5  | 269.8  |
| 9404.2  | 45°   | 8604.8  | 6466.5 | 1014.2 | 627.8  | 486.3  | 364.7  | 251.5  | 244.8  | 254.8  | 256.5  |
| 10486.7 | 47.5° | 9305.9  | 6922.8 | 1004.2 | 609.5  | 469.6  | 384.7  | 248.1  | 233.1  | 244.8  | 246.5  |
| 11642.4 | 50°   | 10015.4 | 7220.9 | 1014.2 | 581.2  | 443.0  | 384.7  | 249.8  | 221.5  | 231.5  | 236.5  |
| 12841.5 | 52.5° | 10729.8 | 7357.5 | 1007.5 | 519.6  | 396.4  | 361.4  | 249.8  | 211.5  | 221.5  | 224.8  |
| 14137.1 | 55°   | 11422.6 | 7330.8 | 905.9  | 428.0  | 336.4  | 319.7  | 243.1  | 203.2  | 209.8  | 211.5  |
| 15361.1 | 57.5° | 11970.5 | 6959.5 | 717.8  | 333.1  | 273.1  | 266.5  | 221.5  | 193.2  | 198.2  | 196.5  |
| 16483.6 | 60°   | 12256.9 | 6143.5 | 512.9  | 256.5  | 214.8  | 209.8  | 194.8  | 179.9  | 183.2  | 174.9  |
| 17434.5 | 62.5° | 12260.3 | 5064.3 | 343.1  | 203.2  | 171.5  | 166.5  | 166.5  | 161.5  | 158.2  | 141.6  |
| 18170.6 | 65°   | 11998.8 | 3866.9 | 228.2  | 161.5  | 138.2  | 129.9  | 139.9  | 138.2  | 126.6  | 103.3  |
| 18395.4 | 67.5° | 11405.9 | 2534.7 | 173.2  | 126.6  | 106.6  | 101.6  | 111.6  | 116.6  | 108.2  | 86.6   |
| 17576.0 | 70°   | 10186.9 | 1475.5 | 143.2  | 98.3   | 79.9   | 74.9   | 89.9   | 99.9   | 89.9   | 69.9   |
| 15023.1 | 72.5° | 8461.6  | 796.0  | 116.6  | 73.3   | 55.0   | 50.0   | 71.6   | 81.6   | 71.6   | 51.6   |
| 9639.0  | 75°   | 5490.6  | 426.3  | 89.9   | 48.3   | 28.3   | 31.6   | 53.3   | 60.0   | 50.0   | 33.3   |
| 2829.4  | 77.5° | 1843.5  | 188.2  | 56.6   | 23.3   | 13.3   | 13.3   | 31.6   | 36.6   | 23.3   | 11.7   |
| 514.6   | 80°   | 411.3   | 78.3   | 23.3   | 10.0   | 5.0    | 5.0    | 6.7    | 6.7    | 3.3    | 0.0    |
| 158.2   | 82.5° | 134.9   | 31.6   | 10.0   | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 40.0    | 85°   | 51.6    | 11.7   | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 13.3    | 87.5° | 20.0    | 1.7    | 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°   |
|--------|
| 4113.4 |
| 4058.4 |
| 3568.8 |
| 2839.4 |
| 1906.8 |
| 1147.4 |
| 851.0  |
| 797.7  |
| 761.1  |
| 711.1  |
| 646.2  |
| 582.9  |
| 517.9  |
| 441.3  |
| 369.7  |
| 314.8  |
| 286.4  |
| 269.8  |
| 258.1  |
| 248.1  |
| 238.1  |
| 224.8  |
| 211.5  |
| 196.5  |
| 173.2  |
| 136.6  |
| 99.9   |
| 84.9   |
| 66.6   |
| 50.0   |
| 30.0   |
| 10.0   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |