

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: P953793

Luminaire Tested: **GLAN-SB7B-727-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953793  
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-SB7B-727-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

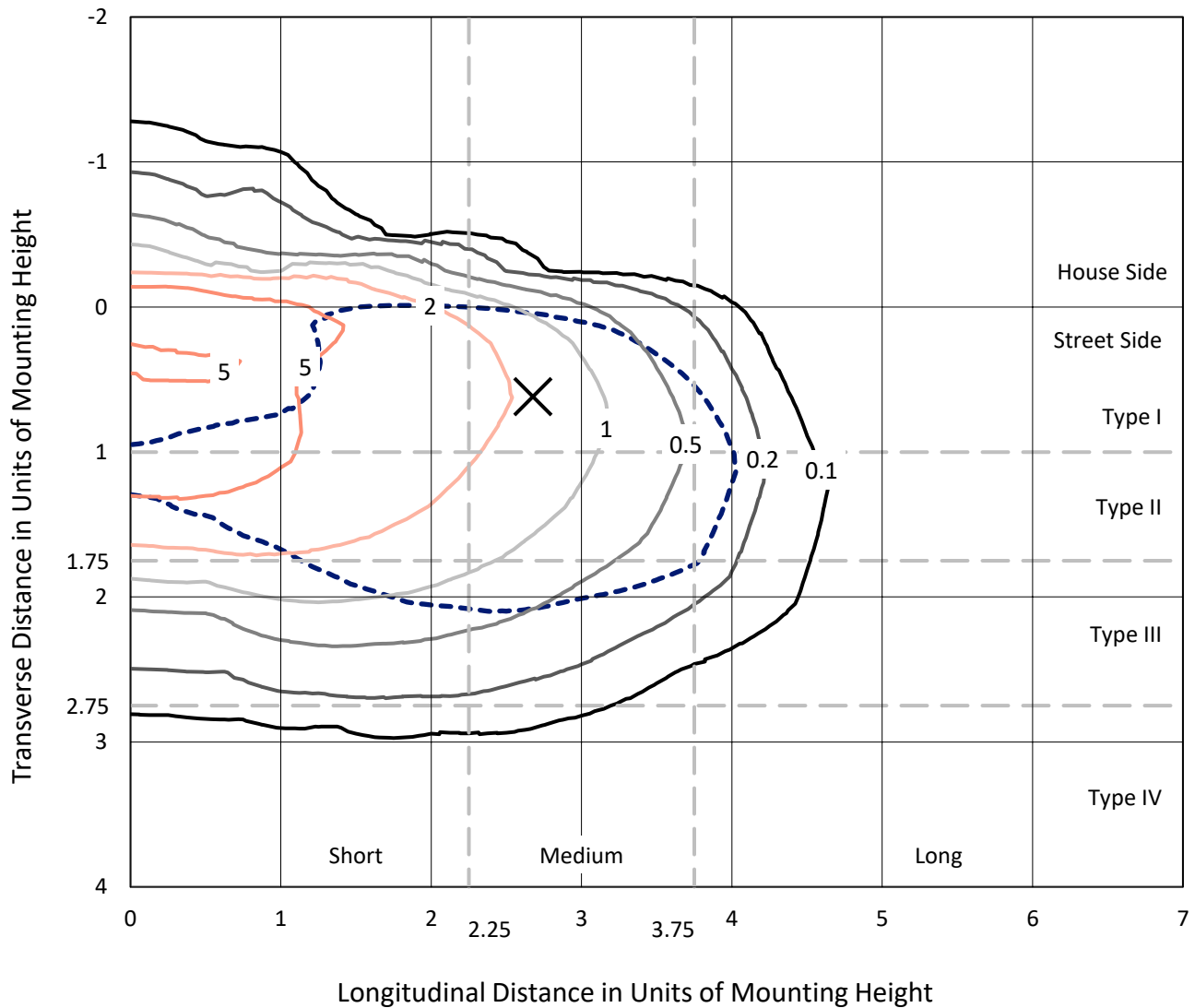
Lumens per Lamp: N/A  
Luminaire Lumens: 30924 lumens  
Efficiency: N/A  
Efficacy: 120.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): 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

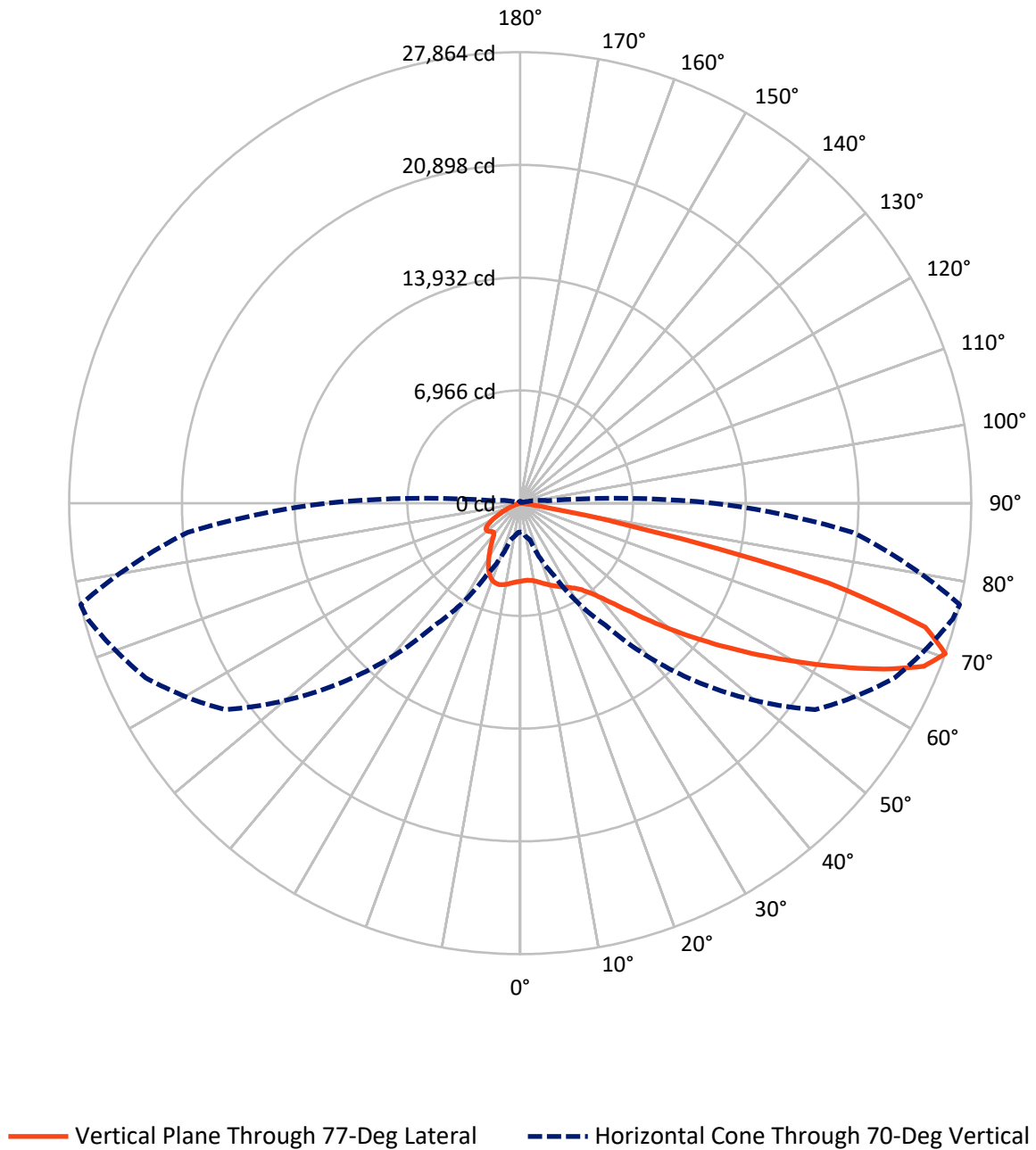
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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    | 3259.8   | 0.0    | 3259.8  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 27664.2  | 0.0    | 27664.2 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 30924.0  | 0.0    | 30924.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 415.7   | 1.3       |
| 10°-20°   | 986.9   | 3.2       |
| 20°-30°   | 1526.4  | 4.9       |
| 30°-40°   | 2769.7  | 9.0       |
| 40°-50°   | 5228.2  | 16.9      |
| 50°-60°   | 7554.3  | 24.4      |
| 60°-70°   | 8041.4  | 26.0      |
| 70°-80°   | 4261.4  | 13.8      |
| 80°-90°   | 139.9   | 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°    | 30924.0 | 100.0     |
| 0°-180°   | 30924.0 | 100.0     |

**Coefficient of Utilization**



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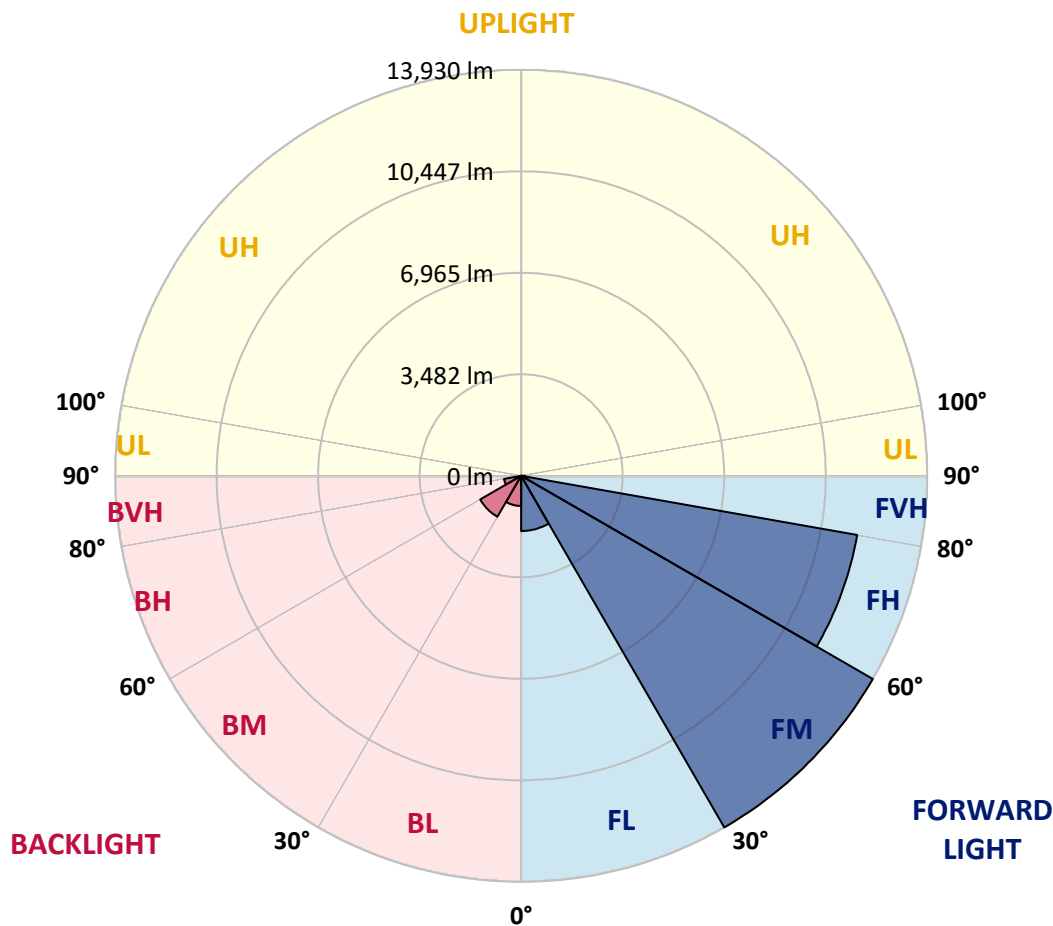
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1893.3  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 13929.6 | 45.0      |                         |      |          |
| FH   | (60°-80°)   | 11705.2 | 37.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 136.2   | 0.4       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1035.7  | 3.3       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 1622.8  | 5.2       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 597.6   | 1.9       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 3.8     | 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 Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4823.6  | 4823.6  | 4823.6  | 4823.6  | 4823.6  | 4823.6  | 4823.6  | 4823.6  | 4823.6  | 4823.6  |
| 2.5°  | 4528.7  | 4569.7  | 4563.9  | 4591.2  | 4601.0  | 4640.0  | 4679.1  | 4731.8  | 4790.4  | 4788.4  |
| 5°    | 4272.9  | 4313.9  | 4323.7  | 4360.8  | 4407.6  | 4468.2  | 4548.2  | 4653.7  | 4763.0  | 4780.6  |
| 7.5°  | 3970.2  | 4013.1  | 4038.5  | 4112.7  | 4198.7  | 4323.7  | 4454.5  | 4608.8  | 4790.4  | 4815.8  |
| 10°   | 3667.5  | 3706.5  | 3739.7  | 3845.2  | 3981.9  | 4167.4  | 4380.3  | 4602.9  | 4847.0  | 4884.1  |
| 12.5° | 3480.0  | 3517.1  | 3554.2  | 3646.0  | 3815.9  | 4042.4  | 4331.5  | 4630.3  | 4940.8  | 4993.5  |
| 15°   | 3413.6  | 3446.8  | 3476.1  | 3558.1  | 3716.3  | 3974.1  | 4321.7  | 4686.9  | 5059.9  | 5130.2  |
| 17.5° | 3423.4  | 3441.0  | 3460.5  | 3523.0  | 3677.3  | 3942.8  | 4339.3  | 4784.5  | 5200.5  | 5263.0  |
| 20°   | 3480.0  | 3489.8  | 3491.7  | 3534.7  | 3671.4  | 3938.9  | 4374.4  | 4878.3  | 5333.3  | 5417.3  |
| 22.5° | 3552.3  | 3556.2  | 3552.3  | 3581.6  | 3708.5  | 3968.2  | 4421.3  | 4991.5  | 5481.7  | 5559.8  |
| 25°   | 3890.1  | 3815.9  | 3722.2  | 3665.5  | 3771.0  | 4024.9  | 4491.6  | 5143.9  | 5643.8  | 5720.0  |
| 27.5° | 4938.8  | 4725.9  | 4390.0  | 4013.1  | 3899.9  | 4106.9  | 4589.2  | 5298.1  | 5807.8  | 5876.2  |
| 30°   | 6641.7  | 6362.4  | 5792.2  | 4942.7  | 4313.9  | 4278.7  | 4716.2  | 5452.4  | 5981.6  | 6055.8  |
| 32.5° | 8348.5  | 8280.2  | 7622.0  | 6446.4  | 5245.4  | 4661.5  | 4927.1  | 5661.4  | 6212.1  | 6270.7  |
| 35°   | 10074.8 | 9936.2  | 9397.2  | 8235.2  | 6680.8  | 5440.7  | 5278.6  | 5934.8  | 6514.8  | 6581.2  |
| 37.5° | 11396.9 | 11313.0 | 10979.0 | 10022.1 | 8383.7  | 6643.7  | 5880.1  | 6358.5  | 6954.2  | 7028.4  |
| 40°   | 12564.8 | 12525.7 | 12412.4 | 11781.7 | 10287.7 | 8217.7  | 6815.5  | 7014.7  | 7563.5  | 7651.3  |
| 42.5° | 13482.6 | 13574.4 | 13638.8 | 13463.1 | 12250.3 | 10014.3 | 8073.2  | 7936.5  | 8413.0  | 8502.8  |
| 45°   | 14421.9 | 14453.2 | 14712.9 | 14966.8 | 14199.3 | 11893.0 | 9490.9  | 9016.4  | 9469.5  | 9580.8  |
| 47.5° | 15025.4 | 15150.4 | 15607.3 | 16054.5 | 15837.8 | 13756.0 | 11014.2 | 10291.6 | 10693.9 | 10902.9 |
| 50°   | 15070.3 | 15306.6 | 15935.4 | 16714.6 | 17031.0 | 15529.2 | 12670.2 | 11744.6 | 12172.2 | 12402.7 |
| 52.5° | 14322.3 | 14689.5 | 15664.0 | 16804.4 | 17675.4 | 17031.0 | 14382.9 | 13197.5 | 13746.2 | 14047.0 |
| 55°   | 10981.0 | 11461.4 | 14642.6 | 16316.2 | 17700.8 | 18169.5 | 16050.6 | 14711.0 | 15499.9 | 15839.7 |
| 57.5° | 9567.1  | 9809.3  | 11512.2 | 15468.7 | 17230.2 | 18628.4 | 17558.2 | 16152.2 | 17407.9 | 17829.7 |
| 60°   | 7959.9  | 8278.2  | 9655.0  | 14082.1 | 16591.6 | 18673.3 | 18890.1 | 18011.3 | 19476.0 | 19950.5 |
| 62.5° | 5409.4  | 5755.1  | 7124.1  | 11699.6 | 15718.6 | 18651.8 | 19981.8 | 19925.1 | 21774.5 | 22284.2 |
| 65°   | 3351.1  | 3567.9  | 4470.1  | 9553.4  | 14498.1 | 18675.3 | 21124.2 | 22249.0 | 24199.9 | 24717.5 |
| 67.5° | 2648.1  | 2747.7  | 3218.3  | 7335.0  | 12394.9 | 18148.0 | 22264.7 | 24434.3 | 26482.9 | 26893.0 |
| 70°   | 1779.1  | 1839.6  | 2341.5  | 4917.3  | 9221.4  | 15714.7 | 22243.2 | 25531.8 | 27658.5 | 27863.5 |
| 72.5° | 937.4   | 984.2   | 1369.0  | 2277.0  | 5569.6  | 11170.4 | 18749.5 | 24219.5 | 26488.7 | 26180.2 |
| 75°   | 468.7   | 546.8   | 921.8   | 1156.1  | 2378.6  | 6229.7  | 11643.0 | 19095.1 | 20848.8 | 19653.7 |
| 77.5° | 355.4   | 429.6   | 761.6   | 761.6   | 828.0   | 2097.4  | 4931.0  | 10414.6 | 9606.2  | 7998.9  |
| 80°   | 226.5   | 292.9   | 665.9   | 576.1   | 345.7   | 533.1   | 1285.0  | 2917.6  | 2040.7  | 1552.5  |
| 82.5° | 132.8   | 191.4   | 554.6   | 380.8   | 193.3   | 197.2   | 363.2   | 621.0   | 529.2   | 412.1   |
| 85°   | 52.7    | 125.0   | 380.8   | 150.4   | 76.2    | 48.8    | 109.4   | 132.8   | 109.4   | 82.0    |
| 87.5° | 0.0     | 29.3    | 66.4    | 0.0     | 5.9     | 3.9     | 7.8     | 9.8     | 9.8     | 7.8     |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4823.6  | 0°    | 4823.6  | 4823.6 | 4823.6 | 4823.6 | 4823.6 | 4823.6 | 4823.6 | 4823.6 | 4823.6 | 4823.6 |
| 4827.5  | 2.5°  | 4845.1  | 4849.0 | 4860.7 | 4862.6 | 4835.3 | 4800.2 | 4786.5 | 4780.6 | 4757.2 | 4755.2 |
| 4858.7  | 5°    | 4903.7  | 4921.2 | 4903.7 | 4852.9 | 4731.8 | 4561.9 | 4433.0 | 4327.6 | 4231.9 | 4202.6 |
| 4966.1  | 7.5°  | 5020.8  | 5038.4 | 4985.7 | 4786.5 | 4481.8 | 4144.0 | 3839.3 | 3624.5 | 3431.2 | 3358.9 |
| 5097.0  | 10°   | 5188.8  | 5212.2 | 5046.2 | 4643.9 | 4104.9 | 3562.0 | 3046.5 | 2683.2 | 2400.1 | 2284.9 |
| 5274.7  | 12.5° | 5399.7  | 5409.4 | 5079.4 | 4427.2 | 3614.8 | 2839.5 | 2109.1 | 1720.5 | 1468.6 | 1374.8 |
| 5489.5  | 15°   | 5632.1  | 5618.4 | 5083.3 | 4132.3 | 2946.9 | 2007.5 | 1376.8 | 1130.7 | 1029.2 | 997.9  |
| 5704.3  | 17.5° | 5876.2  | 5819.5 | 5005.2 | 3706.5 | 2214.6 | 1372.9 | 1021.4 | 962.8  | 945.2  | 937.4  |
| 5917.2  | 20°   | 6116.4  | 5989.4 | 4862.6 | 3150.0 | 1589.6 | 1025.3 | 927.6  | 910.0  | 900.3  | 896.4  |
| 6132.0  | 22.5° | 6335.1  | 6118.3 | 4618.5 | 2503.6 | 1154.1 | 906.1  | 876.8  | 861.2  | 843.6  | 835.8  |
| 6341.0  | 25°   | 6548.0  | 6192.5 | 4274.8 | 1900.1 | 923.7  | 847.5  | 824.1  | 794.8  | 771.4  | 761.6  |
| 6565.5  | 27.5° | 6755.0  | 6239.4 | 3845.2 | 1406.1 | 824.1  | 792.9  | 749.9  | 708.9  | 691.3  | 687.4  |
| 6805.7  | 30°   | 6975.6  | 6255.0 | 3357.0 | 1048.7 | 763.6  | 724.5  | 662.0  | 615.2  | 605.4  | 607.3  |
| 7129.9  | 32.5° | 7245.1  | 6278.5 | 2864.9 | 859.3  | 712.8  | 642.5  | 568.3  | 519.5  | 511.7  | 519.5  |
| 7602.5  | 35°   | 7567.4  | 6325.3 | 2390.3 | 790.9  | 667.9  | 558.5  | 478.5  | 437.4  | 429.6  | 435.5  |
| 8207.9  | 37.5° | 8004.8  | 6401.5 | 1947.0 | 777.2  | 630.8  | 488.2  | 402.3  | 369.1  | 369.1  | 371.0  |
| 8950.0  | 40°   | 8586.8  | 6604.6 | 1550.6 | 767.5  | 611.2  | 435.5  | 339.8  | 326.1  | 332.0  | 335.9  |
| 9895.2  | 42.5° | 9295.7  | 7036.2 | 1283.0 | 755.8  | 589.8  | 412.1  | 308.6  | 302.7  | 312.5  | 316.4  |
| 11027.8 | 45°   | 10090.5 | 7583.0 | 1189.3 | 736.2  | 570.2  | 427.7  | 294.9  | 287.1  | 298.8  | 300.7  |
| 12297.2 | 47.5° | 10912.6 | 8118.1 | 1177.6 | 714.7  | 550.7  | 451.1  | 291.0  | 273.4  | 287.1  | 289.0  |
| 13652.5 | 50°   | 11744.6 | 8467.6 | 1189.3 | 681.6  | 519.5  | 451.1  | 292.9  | 259.7  | 271.4  | 277.3  |
| 15058.6 | 52.5° | 12582.3 | 8627.8 | 1181.5 | 609.3  | 464.8  | 423.8  | 292.9  | 248.0  | 259.7  | 263.6  |
| 16577.9 | 55°   | 13394.7 | 8596.5 | 1062.4 | 501.9  | 394.5  | 375.0  | 285.1  | 238.2  | 246.1  | 248.0  |
| 18013.3 | 57.5° | 14037.2 | 8161.0 | 841.7  | 390.6  | 320.3  | 312.5  | 259.7  | 226.5  | 232.4  | 230.4  |
| 19329.5 | 60°   | 14373.1 | 7204.1 | 601.5  | 300.7  | 251.9  | 246.1  | 228.5  | 210.9  | 214.8  | 205.1  |
| 20444.6 | 62.5° | 14377.0 | 5938.7 | 402.3  | 238.2  | 201.1  | 195.3  | 195.3  | 189.4  | 185.5  | 166.0  |
| 21307.7 | 65°   | 14070.4 | 4534.6 | 267.5  | 189.4  | 162.1  | 152.3  | 164.0  | 162.1  | 148.4  | 121.1  |
| 21571.4 | 67.5° | 13375.2 | 2972.3 | 203.1  | 148.4  | 125.0  | 119.1  | 130.8  | 136.7  | 126.9  | 101.5  |
| 20610.6 | 70°   | 11945.7 | 1730.2 | 167.9  | 115.2  | 93.7   | 87.9   | 105.5  | 117.2  | 105.5  | 82.0   |
| 17616.8 | 72.5° | 9922.5  | 933.5  | 136.7  | 85.9   | 64.4   | 58.6   | 84.0   | 95.7   | 84.0   | 60.5   |
| 11303.2 | 75°   | 6438.6  | 499.9  | 105.5  | 56.6   | 33.2   | 37.1   | 62.5   | 70.3   | 58.6   | 39.1   |
| 3317.9  | 77.5° | 2161.8  | 220.7  | 66.4   | 27.3   | 15.6   | 15.6   | 37.1   | 43.0   | 27.3   | 13.7   |
| 603.4   | 80°   | 482.4   | 91.8   | 27.3   | 11.7   | 5.9    | 5.9    | 7.8    | 7.8    | 3.9    | 0.0    |
| 185.5   | 82.5° | 158.2   | 37.1   | 11.7   | 3.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 46.9    | 85°   | 60.5    | 13.7   | 3.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 15.6    | 87.5° | 23.4    | 2.0    | 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°   |
|--------|
| 4823.6 |
| 4759.1 |
| 4185.0 |
| 3329.6 |
| 2236.0 |
| 1345.5 |
| 997.9  |
| 935.4  |
| 892.5  |
| 833.9  |
| 757.7  |
| 683.5  |
| 607.3  |
| 517.5  |
| 433.5  |
| 369.1  |
| 335.9  |
| 316.4  |
| 302.7  |
| 291.0  |
| 279.3  |
| 263.6  |
| 248.0  |
| 230.4  |
| 203.1  |
| 160.1  |
| 117.2  |
| 99.6   |
| 78.1   |
| 58.6   |
| 35.2   |
| 11.7   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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