

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: P954297

Luminaire Tested: **GLAN-SB7C-830-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954297  
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-SB7C-830-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3000K, 615mA 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: 39843 lumens  
Efficiency: N/A  
Efficacy: 113.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

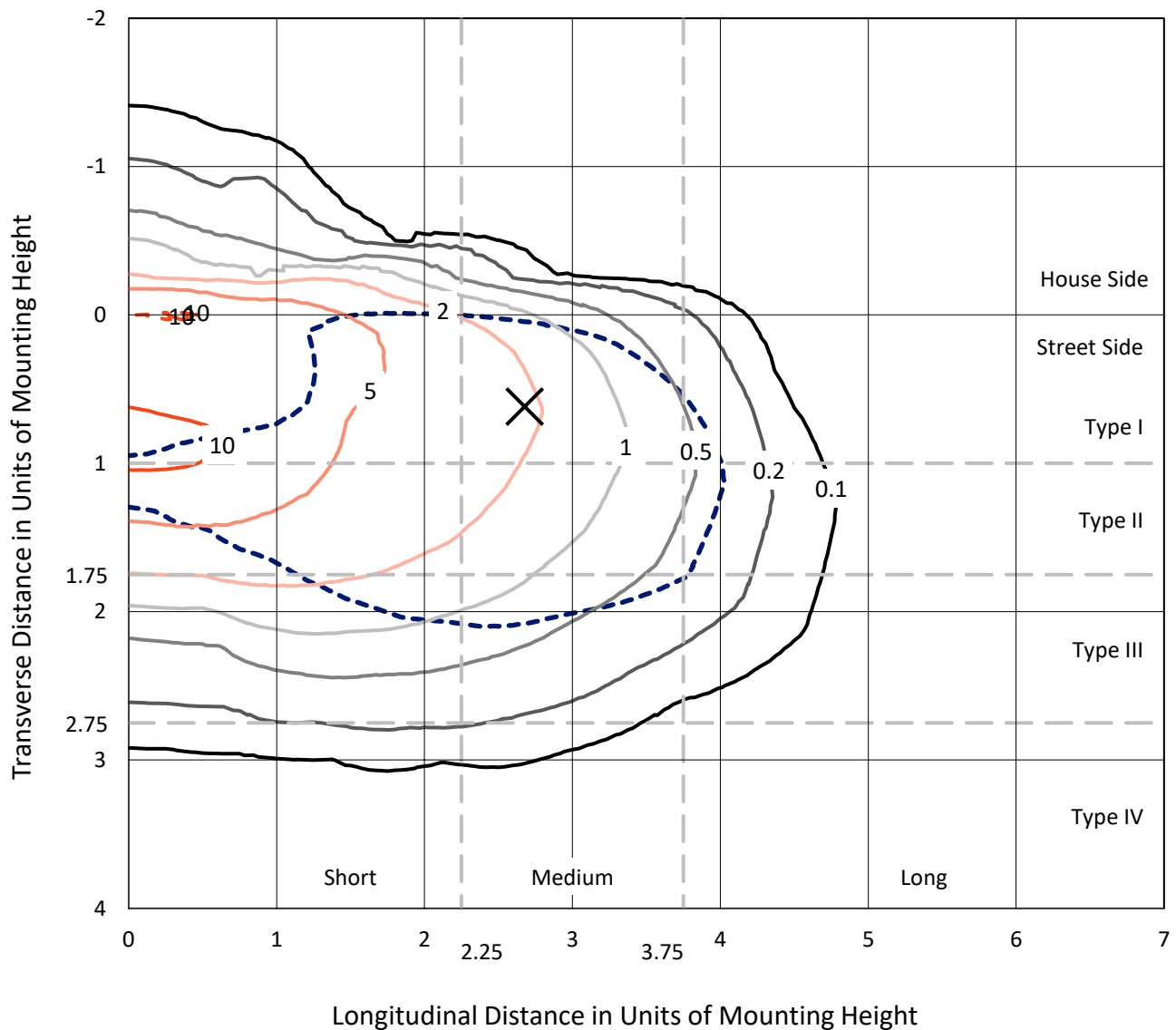
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

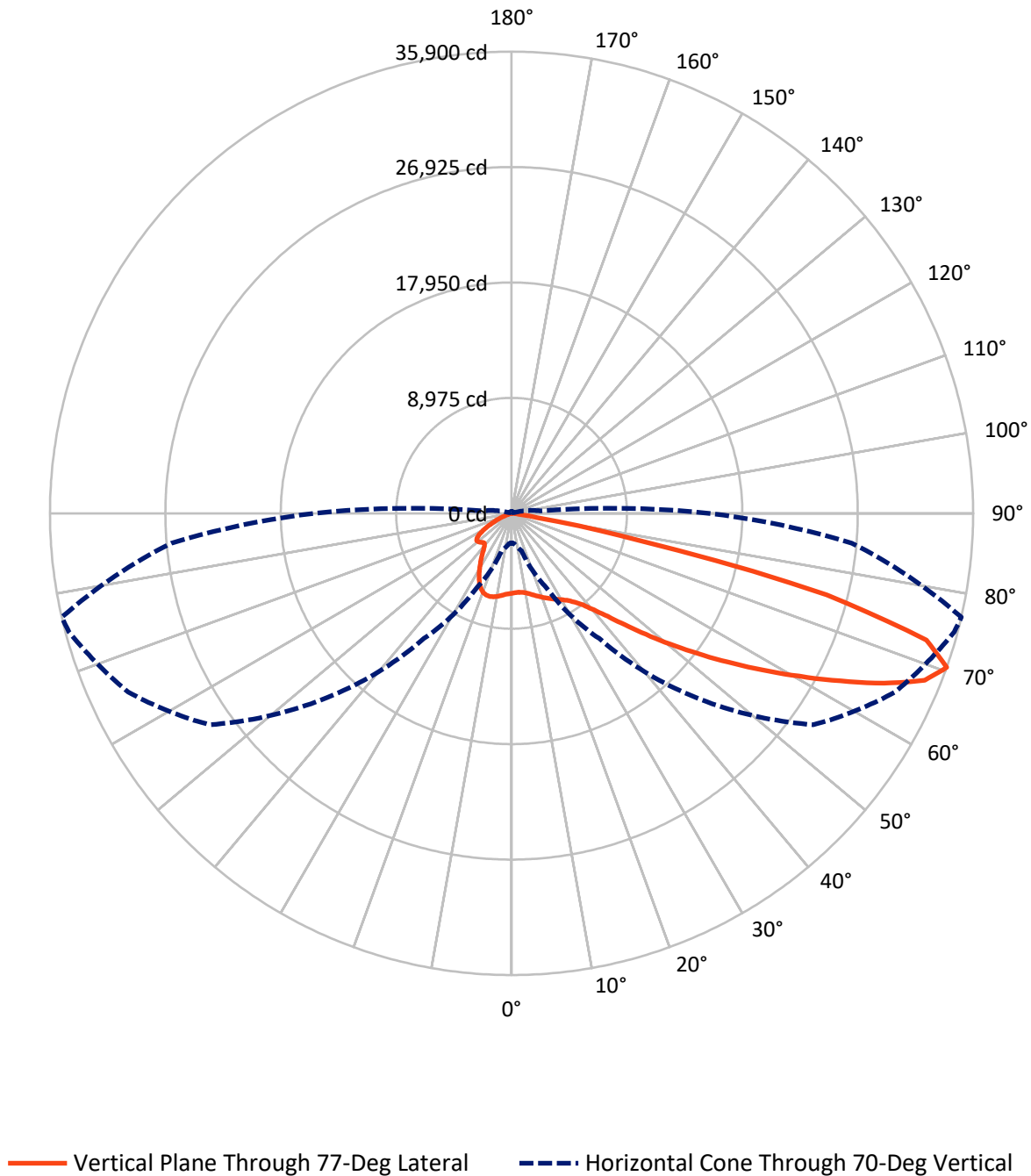
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 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    | 4200.0   | 0.0    | 4200.0  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 35643.0  | 0.0    | 35643.0 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 39843.0  | 0.0    | 39843.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 535.6   | 1.3       |
| 10°-20°   | 1271.5  | 3.2       |
| 20°-30°   | 1966.6  | 4.9       |
| 30°-40°   | 3568.6  | 9.0       |
| 40°-50°   | 6736.1  | 16.9      |
| 50°-60°   | 9733.1  | 24.4      |
| 60°-70°   | 10360.7 | 26.0      |
| 70°-80°   | 5490.4  | 13.8      |
| 80°-90°   | 180.3   | 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°    | 39843.0 | 100.0     |
| 0°-180°   | 39843.0 | 100.0     |

**Coefficient of Utilization**



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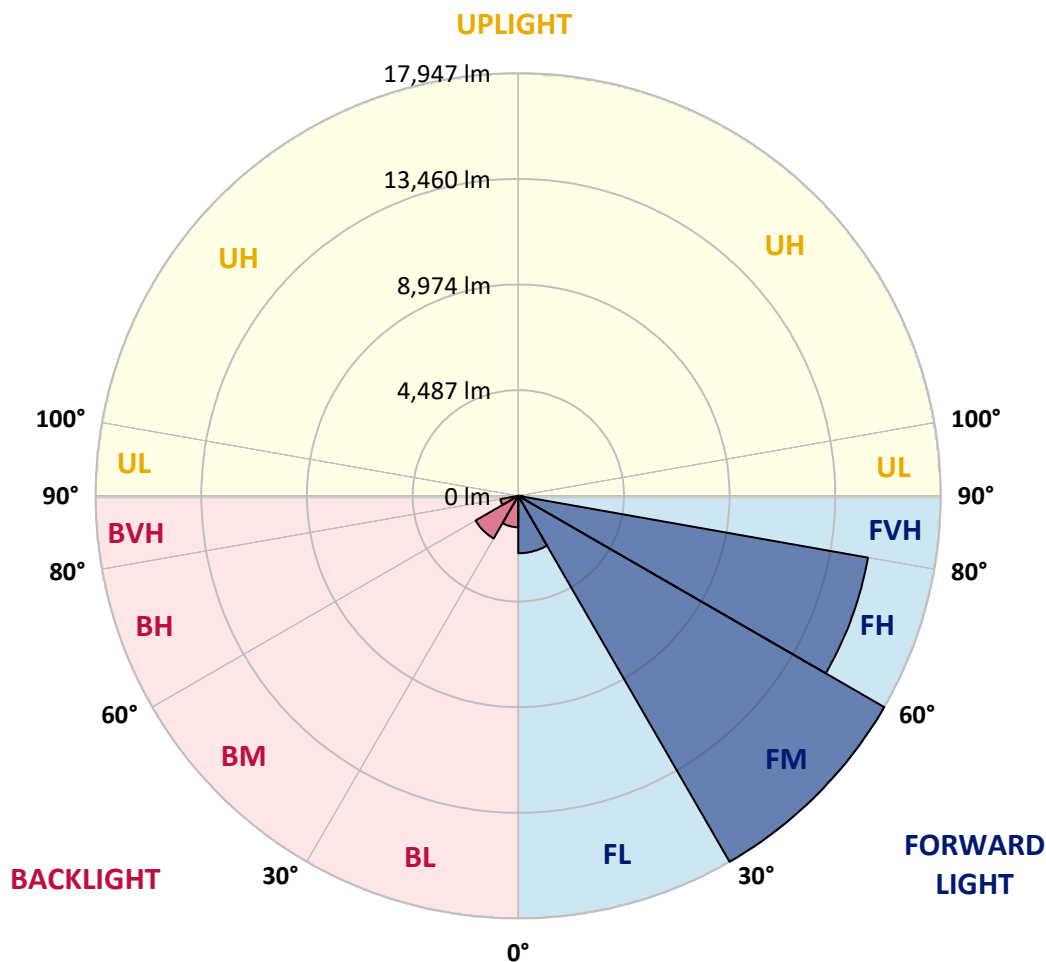
CATALOG NUMBER: GLAN-SB7C-830-U-T3R-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2439.3  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 17947.1 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 15081.1 | 37.9      |                         |      | G5      |
| FVH  | (80°-90°)   | 175.4   | 0.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1334.4  | 3.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2090.8  | 5.2       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 770.0   | 1.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 4.8     | 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-G5**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6214.8  | 6214.8  | 6214.8  | 6214.8  | 6214.8  | 6214.8  | 6214.8  | 6214.8  | 6214.8  | 6214.8  |
| 2.5°  | 5834.9  | 5887.7  | 5880.1  | 5915.4  | 5928.0  | 5978.3  | 6028.6  | 6096.5  | 6172.0  | 6169.5  |
| 5°    | 5505.2  | 5558.1  | 5570.7  | 5618.5  | 5678.9  | 5756.9  | 5860.0  | 5995.9  | 6136.8  | 6159.4  |
| 7.5°  | 5115.2  | 5170.6  | 5203.3  | 5298.9  | 5409.6  | 5570.7  | 5739.2  | 5938.0  | 6172.0  | 6204.7  |
| 10°   | 4725.3  | 4775.6  | 4818.3  | 4954.2  | 5130.3  | 5369.4  | 5643.6  | 5930.5  | 6245.0  | 6292.8  |
| 12.5° | 4483.7  | 4531.5  | 4579.3  | 4697.6  | 4916.5  | 5208.3  | 5580.7  | 5965.7  | 6365.8  | 6433.7  |
| 15°   | 4398.2  | 4440.9  | 4478.7  | 4584.3  | 4788.2  | 5120.3  | 5568.1  | 6038.7  | 6519.2  | 6609.8  |
| 17.5° | 4410.7  | 4433.4  | 4458.5  | 4539.1  | 4737.8  | 5080.0  | 5590.8  | 6164.5  | 6700.4  | 6780.9  |
| 20°   | 4483.7  | 4496.3  | 4498.8  | 4554.2  | 4730.3  | 5075.0  | 5636.1  | 6285.2  | 6871.5  | 6979.7  |
| 22.5° | 4576.8  | 4581.8  | 4576.8  | 4614.5  | 4778.1  | 5112.7  | 5696.5  | 6431.2  | 7062.7  | 7163.4  |
| 25°   | 5012.1  | 4916.5  | 4795.7  | 4722.7  | 4858.6  | 5185.7  | 5787.0  | 6627.4  | 7271.6  | 7369.7  |
| 27.5° | 6363.2  | 6089.0  | 5656.2  | 5170.6  | 5024.7  | 5291.4  | 5912.9  | 6826.2  | 7482.9  | 7571.0  |
| 30°   | 8557.3  | 8197.5  | 7462.8  | 6368.3  | 5558.1  | 5512.8  | 6076.4  | 7025.0  | 7706.8  | 7802.5  |
| 32.5° | 10756.4 | 10668.3 | 9820.4  | 8305.7  | 6758.3  | 6006.0  | 6348.1  | 7294.2  | 8003.7  | 8079.2  |
| 35°   | 12980.6 | 12802.0 | 12107.5 | 10610.4 | 8607.6  | 7009.9  | 6801.0  | 7646.5  | 8393.7  | 8479.3  |
| 37.5° | 14684.0 | 14575.8 | 14145.6 | 12912.7 | 10801.7 | 8559.8  | 7576.0  | 8192.4  | 8959.9  | 9055.5  |
| 40°   | 16188.6 | 16138.3 | 15992.4 | 15179.7 | 13254.9 | 10587.8 | 8781.2  | 9037.9  | 9744.9  | 9858.1  |
| 42.5° | 17371.2 | 17489.5 | 17572.5 | 17346.1 | 15783.5 | 12902.6 | 10401.6 | 10225.5 | 10839.4 | 10955.1 |
| 45°   | 18581.5 | 18621.7 | 18956.4 | 19283.5 | 18294.6 | 15323.1 | 12228.3 | 11616.9 | 12200.6 | 12344.0 |
| 47.5° | 19358.9 | 19520.0 | 20108.7 | 20684.9 | 20405.6 | 17723.5 | 14190.9 | 13259.9 | 13778.2 | 14047.4 |
| 50°   | 19416.8 | 19721.3 | 20531.4 | 21535.4 | 21943.0 | 20008.1 | 16324.5 | 15131.9 | 15682.9 | 15979.8 |
| 52.5° | 18453.1 | 18926.2 | 20181.7 | 21651.1 | 22773.3 | 21943.0 | 18531.1 | 17003.9 | 17710.9 | 18098.4 |
| 55°   | 14148.1 | 14767.0 | 18865.8 | 21022.1 | 22806.0 | 23409.9 | 20679.9 | 18953.8 | 19970.4 | 20408.2 |
| 57.5° | 12326.4 | 12638.4 | 14832.5 | 19930.1 | 22199.6 | 24001.2 | 22622.3 | 20810.7 | 22428.6 | 22972.1 |
| 60°   | 10255.7 | 10665.8 | 12439.6 | 18143.7 | 21376.9 | 24059.0 | 24338.3 | 23206.1 | 25093.2 | 25704.6 |
| 62.5° | 6969.6  | 7415.0  | 9178.8  | 15074.0 | 20252.2 | 24031.4 | 25744.8 | 25671.9 | 28054.6 | 28711.3 |
| 65°   | 4317.6  | 4596.9  | 5759.4  | 12308.8 | 18679.6 | 24061.5 | 27216.7 | 28666.0 | 31179.6 | 31846.4 |
| 67.5° | 3411.8  | 3540.2  | 4146.5  | 9450.5  | 15969.7 | 23382.2 | 28686.2 | 31481.6 | 34120.9 | 34649.3 |
| 70°   | 2292.2  | 2370.2  | 3016.8  | 6335.6  | 11881.1 | 20247.1 | 28658.5 | 32895.6 | 35635.6 | 35899.8 |
| 72.5° | 1207.7  | 1268.1  | 1763.8  | 2933.8  | 7175.9  | 14392.1 | 24157.2 | 31204.8 | 34128.5 | 33731.0 |
| 75°   | 603.9   | 704.5   | 1187.6  | 1489.5  | 3064.6  | 8026.4  | 15001.0 | 24602.5 | 26862.0 | 25322.1 |
| 77.5° | 457.9   | 553.5   | 981.3   | 981.3   | 1066.8  | 2702.3  | 6353.2  | 13418.4 | 12376.7 | 10306.0 |
| 80°   | 291.9   | 377.4   | 858.0   | 742.3   | 445.4   | 686.9   | 1655.6  | 3759.1  | 2629.3  | 2000.3  |
| 82.5° | 171.1   | 246.6   | 714.6   | 490.6   | 249.1   | 254.1   | 468.0   | 800.1   | 681.9   | 530.9   |
| 85°   | 67.9    | 161.0   | 490.6   | 193.7   | 98.1    | 62.9    | 140.9   | 171.1   | 140.9   | 105.7   |
| 87.5° | 0.0     | 37.7    | 85.5    | 0.0     | 7.5     | 5.0     | 10.1    | 12.6    | 12.6    | 10.1    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6214.8  | 0°    | 6214.8  | 6214.8  | 6214.8 | 6214.8 | 6214.8 | 6214.8 | 6214.8 | 6214.8 | 6214.8 | 6214.8 |
| 6219.8  | 2.5°  | 6242.5  | 6247.5  | 6262.6 | 6265.1 | 6229.9 | 6184.6 | 6167.0 | 6159.4 | 6129.2 | 6126.7 |
| 6260.1  | 5°    | 6317.9  | 6340.6  | 6317.9 | 6252.5 | 6096.5 | 5877.6 | 5711.6 | 5575.7 | 5452.4 | 5414.7 |
| 6398.5  | 7.5°  | 6468.9  | 6491.6  | 6423.6 | 6167.0 | 5774.5 | 5339.2 | 4946.7 | 4669.9 | 4420.8 | 4327.7 |
| 6567.0  | 10°   | 6685.3  | 6715.5  | 6501.6 | 5983.3 | 5288.9 | 4589.4 | 3925.1 | 3457.1 | 3092.3 | 2943.8 |
| 6796.0  | 12.5° | 6957.0  | 6969.6  | 6544.4 | 5704.0 | 4657.3 | 3658.4 | 2717.4 | 2216.7 | 1892.1 | 1771.3 |
| 7072.8  | 15°   | 7256.5  | 7238.8  | 6549.4 | 5324.1 | 3796.8 | 2586.6 | 1773.9 | 1456.8 | 1326.0 | 1285.7 |
| 7349.6  | 17.5° | 7571.0  | 7498.0  | 6448.8 | 4775.6 | 2853.3 | 1768.8 | 1315.9 | 1240.4 | 1217.8 | 1207.7 |
| 7623.8  | 20°   | 7880.5  | 7716.9  | 6265.1 | 4058.5 | 2048.1 | 1321.0 | 1195.2 | 1172.5 | 1159.9 | 1154.9 |
| 7900.6  | 22.5° | 8162.3  | 7883.0  | 5950.6 | 3225.7 | 1487.0 | 1167.5 | 1129.7 | 1109.6 | 1087.0 | 1076.9 |
| 8169.8  | 25°   | 8436.5  | 7978.6  | 5507.8 | 2448.2 | 1190.1 | 1092.0 | 1061.8 | 1024.1 | 993.9  | 981.3  |
| 8459.2  | 27.5° | 8703.2  | 8039.0  | 4954.2 | 1811.6 | 1061.8 | 1021.5 | 966.2  | 913.3  | 890.7  | 885.7  |
| 8768.6  | 30°   | 8987.5  | 8059.1  | 4325.2 | 1351.2 | 983.8  | 933.5  | 853.0  | 792.6  | 780.0  | 782.5  |
| 9186.3  | 32.5° | 9334.8  | 8089.3  | 3691.1 | 1107.1 | 918.4  | 827.8  | 732.2  | 669.3  | 659.2  | 669.3  |
| 9795.2  | 35°   | 9749.9  | 8149.7  | 3079.7 | 1019.0 | 860.5  | 719.6  | 616.4  | 563.6  | 553.5  | 561.1  |
| 10575.2 | 37.5° | 10313.5 | 8247.8  | 2508.6 | 1001.4 | 812.7  | 629.0  | 518.3  | 475.5  | 475.5  | 478.1  |
| 11531.3 | 40°   | 11063.3 | 8509.5  | 1997.8 | 988.8  | 787.5  | 561.1  | 437.8  | 420.2  | 427.7  | 432.8  |
| 12749.1 | 42.5° | 11976.7 | 9065.5  | 1653.1 | 973.7  | 759.9  | 530.9  | 397.5  | 390.0  | 402.6  | 407.6  |
| 14208.5 | 45°   | 13000.7 | 9770.0  | 1532.3 | 948.6  | 734.7  | 551.0  | 379.9  | 369.9  | 385.0  | 387.5  |
| 15843.9 | 47.5° | 14060.0 | 10459.5 | 1517.2 | 920.9  | 709.5  | 581.2  | 374.9  | 352.3  | 369.9  | 372.4  |
| 17590.1 | 50°   | 15131.9 | 10909.8 | 1532.3 | 878.1  | 669.3  | 581.2  | 377.4  | 334.6  | 349.7  | 357.3  |
| 19401.7 | 52.5° | 16211.3 | 11116.2 | 1522.2 | 785.0  | 598.8  | 546.0  | 377.4  | 319.5  | 334.6  | 339.7  |
| 21359.2 | 55°   | 17258.0 | 11075.9 | 1368.8 | 646.6  | 508.3  | 483.1  | 367.4  | 307.0  | 317.0  | 319.5  |
| 23208.6 | 57.5° | 18085.8 | 10514.8 | 1084.4 | 503.2  | 412.6  | 402.6  | 334.6  | 291.9  | 299.4  | 296.9  |
| 24904.4 | 60°   | 18518.6 | 9281.9  | 775.0  | 387.5  | 324.6  | 317.0  | 294.4  | 271.7  | 276.8  | 264.2  |
| 26341.1 | 62.5° | 18523.6 | 7651.5  | 518.3  | 307.0  | 259.2  | 251.6  | 251.6  | 244.1  | 239.0  | 213.9  |
| 27453.3 | 65°   | 18128.6 | 5842.4  | 344.7  | 244.1  | 208.8  | 196.3  | 211.4  | 208.8  | 191.2  | 156.0  |
| 27792.9 | 67.5° | 17232.8 | 3829.5  | 261.7  | 191.2  | 161.0  | 153.5  | 168.6  | 176.1  | 163.5  | 130.8  |
| 26555.0 | 70°   | 15391.0 | 2229.3  | 216.4  | 148.5  | 120.8  | 113.2  | 135.9  | 151.0  | 135.9  | 105.7  |
| 22697.8 | 72.5° | 12784.3 | 1202.7  | 176.1  | 110.7  | 83.0   | 75.5   | 108.2  | 123.3  | 108.2  | 78.0   |
| 14563.2 | 75°   | 8295.6  | 644.1   | 135.9  | 73.0   | 42.8   | 47.8   | 80.5   | 90.6   | 75.5   | 50.3   |
| 4274.9  | 77.5° | 2785.3  | 284.3   | 85.5   | 35.2   | 20.1   | 20.1   | 47.8   | 55.4   | 35.2   | 17.6   |
| 777.5   | 80°   | 621.5   | 118.3   | 35.2   | 15.1   | 7.5    | 7.5    | 10.1   | 10.1   | 5.0    | 0.0    |
| 239.0   | 82.5° | 203.8   | 47.8    | 15.1   | 5.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60.4    | 85°   | 78.0    | 17.6    | 5.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 20.1    | 87.5° | 30.2    | 2.5     | 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°   |
|--------|
| 6214.8 |
| 6131.8 |
| 5392.0 |
| 4290.0 |
| 2880.9 |
| 1733.6 |
| 1285.7 |
| 1205.2 |
| 1149.9 |
| 1074.4 |
| 976.3  |
| 880.6  |
| 782.5  |
| 666.8  |
| 558.6  |
| 475.5  |
| 432.8  |
| 407.6  |
| 390.0  |
| 374.9  |
| 359.8  |
| 339.7  |
| 319.5  |
| 296.9  |
| 261.7  |
| 206.3  |
| 151.0  |
| 128.3  |
| 100.6  |
| 75.5   |
| 45.3   |
| 15.1   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |