

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: P953268

Luminaire Tested: **GLAN-SB6D-840-U-T3R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P953268  
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-SB6D-840-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 4000K, 900mA 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: 49141 lumens  
Efficiency: N/A  
Efficacy: 111.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

Input Watts (W): 440.1  
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

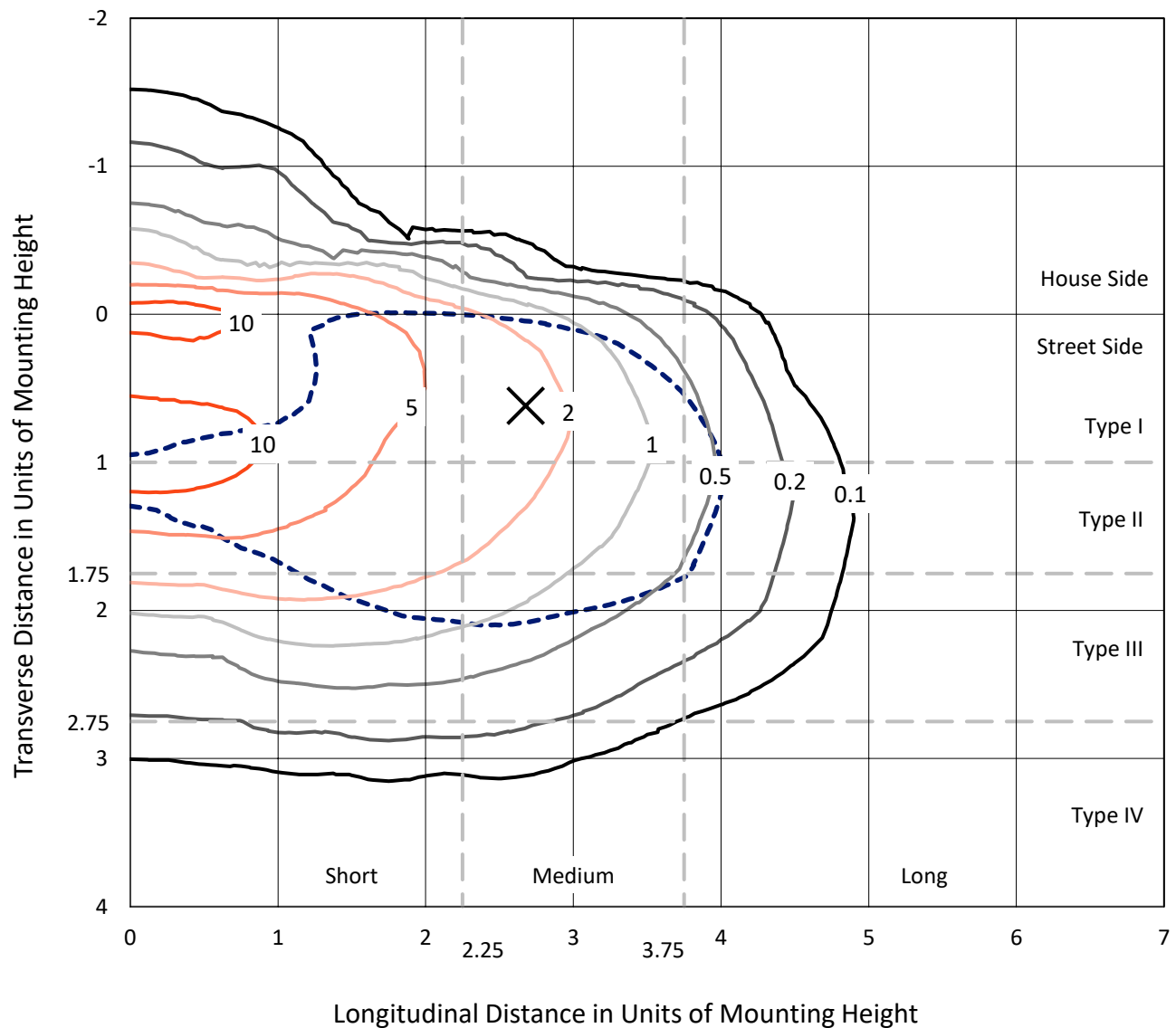


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## Iso-Footcandle Lines of Horizontal Illumination

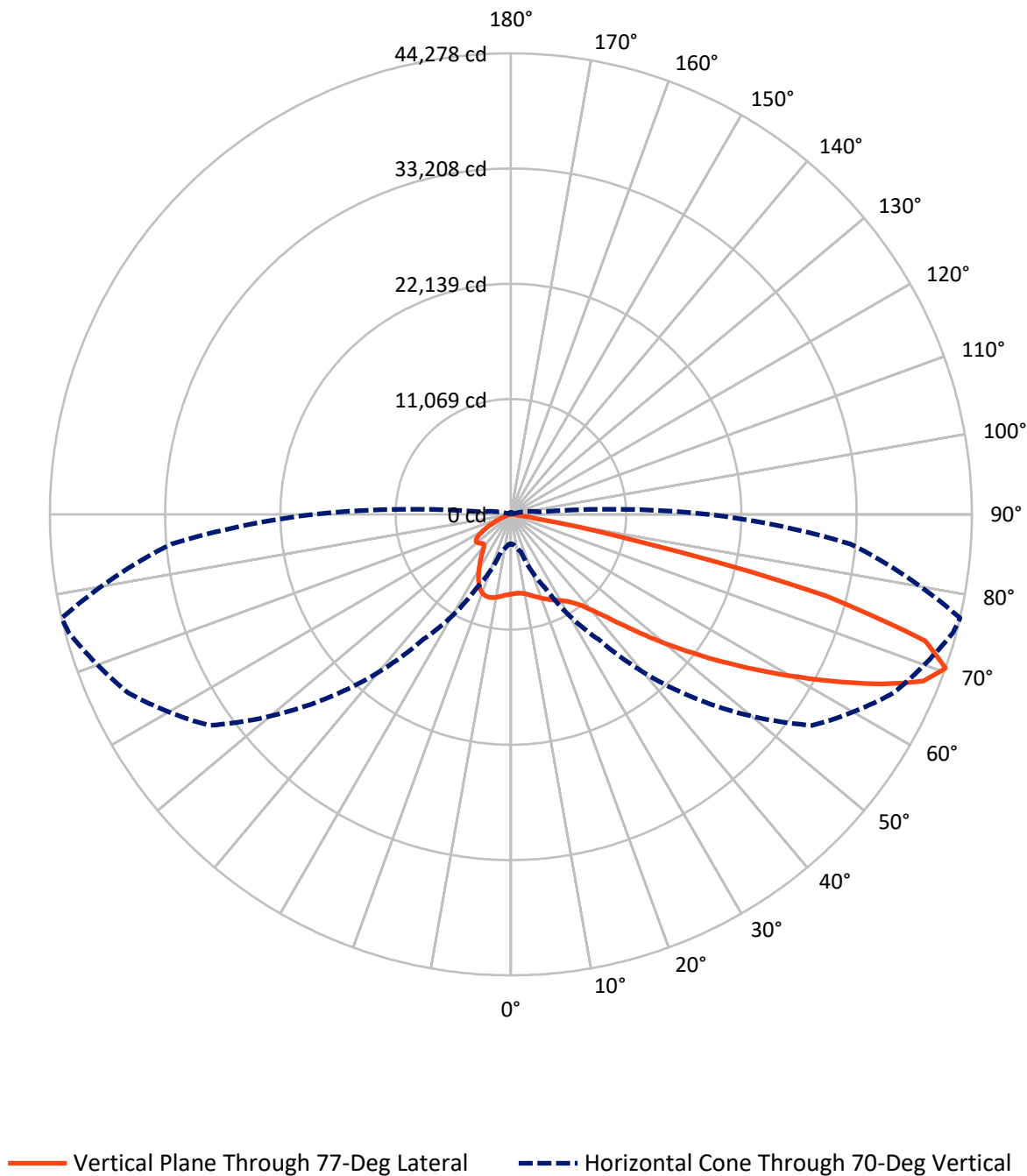
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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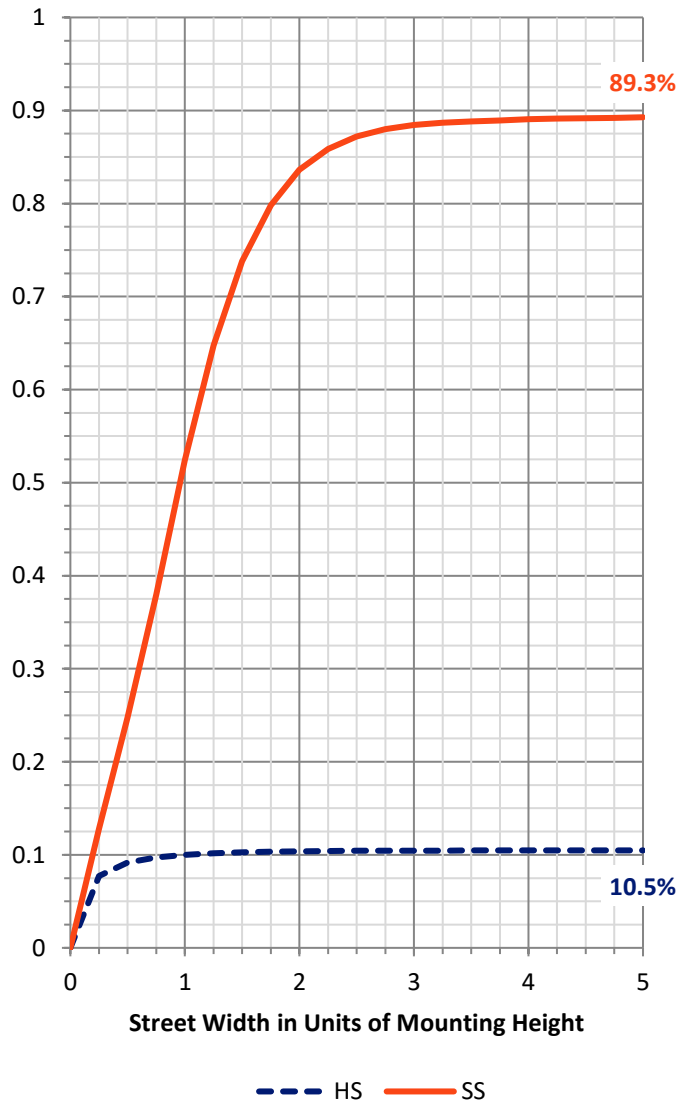
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5180.2   | 0.0    | 5180.2  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 43960.8  | 0.0    | 43960.8 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 49141.0  | 0.0    | 49141.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 660.6   | 1.3       |
| 10°-20°   | 1568.2  | 3.2       |
| 20°-30°   | 2425.6  | 4.9       |
| 30°-40°   | 4401.4  | 9.0       |
| 40°-50°   | 8308.1  | 16.9      |
| 50°-60°   | 12004.5 | 24.4      |
| 60°-70°   | 12778.5 | 26.0      |
| 70°-80°   | 6771.7  | 13.8      |
| 80°-90°   | 222.3   | 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°    | 49141.0 | 100.0     |
| 0°-180°   | 49141.0 | 100.0     |

**Coefficient of Utilization**



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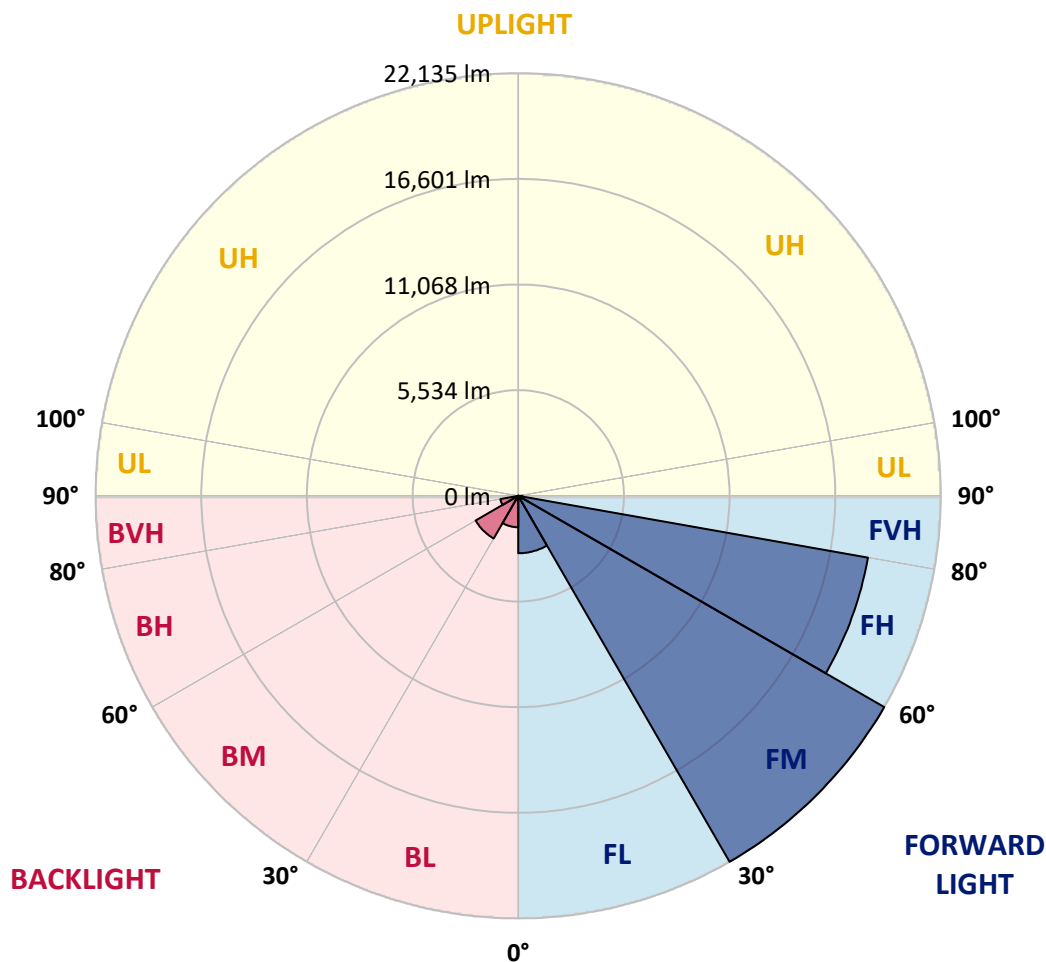
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3008.6  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 22135.3 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 18600.6 | 37.9      |                         |      | G5      |
| FVH  | (80°-90°)   | 216.4   | 0.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1645.8  | 3.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2578.7  | 5.2       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 949.6   | 1.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 6.0     | 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°    | 7665.1  | 7665.1  | 7665.1  | 7665.1  | 7665.1  | 7665.1  | 7665.1  | 7665.1  | 7665.1  | 7665.1  |
| 2.5°  | 7196.5  | 7261.7  | 7252.4  | 7295.8  | 7311.3  | 7373.4  | 7435.5  | 7519.3  | 7612.4  | 7609.2  |
| 5°    | 6790.0  | 6855.2  | 6870.7  | 6929.6  | 7004.1  | 7100.3  | 7227.5  | 7395.1  | 7568.9  | 7596.8  |
| 7.5°  | 6309.0  | 6377.2  | 6417.6  | 6535.5  | 6672.1  | 6870.7  | 7078.6  | 7323.7  | 7612.4  | 7652.7  |
| 10°   | 5828.0  | 5890.0  | 5942.8  | 6110.4  | 6327.6  | 6622.4  | 6960.7  | 7314.4  | 7702.3  | 7761.3  |
| 12.5° | 5530.0  | 5589.0  | 5648.0  | 5793.8  | 6063.8  | 6423.8  | 6883.1  | 7357.9  | 7851.3  | 7935.1  |
| 15°   | 5424.5  | 5477.3  | 5523.8  | 5654.2  | 5905.5  | 6315.2  | 6867.6  | 7447.9  | 8040.6  | 8152.3  |
| 17.5° | 5440.1  | 5468.0  | 5499.0  | 5598.3  | 5843.5  | 6265.5  | 6895.5  | 7603.0  | 8264.0  | 8363.3  |
| 20°   | 5530.0  | 5545.6  | 5548.7  | 5616.9  | 5834.2  | 6259.3  | 6951.4  | 7752.0  | 8475.1  | 8608.5  |
| 22.5° | 5644.9  | 5651.1  | 5644.9  | 5691.4  | 5893.1  | 6305.9  | 7025.8  | 7932.0  | 8710.9  | 8835.0  |
| 25°   | 6181.7  | 6063.8  | 5914.9  | 5824.9  | 5992.4  | 6395.9  | 7137.6  | 8174.0  | 8968.5  | 9089.5  |
| 27.5° | 7848.2  | 7509.9  | 6976.2  | 6377.2  | 6197.3  | 6526.2  | 7292.7  | 8419.2  | 9229.2  | 9337.8  |
| 30°   | 10554.3 | 10110.5 | 9204.3  | 7854.4  | 6855.2  | 6799.3  | 7494.4  | 8664.4  | 9505.4  | 9623.3  |
| 32.5° | 13266.5 | 13157.9 | 12112.1 | 10243.9 | 8335.4  | 7407.5  | 7829.6  | 8996.4  | 9871.5  | 9964.6  |
| 35°   | 16009.8 | 15789.5 | 14933.0 | 13086.5 | 10616.3 | 8645.7  | 8388.2  | 9430.9  | 10352.6 | 10458.1 |
| 37.5° | 18110.8 | 17977.3 | 17446.7 | 15926.0 | 13322.4 | 10557.4 | 9344.0  | 10104.3 | 11050.8 | 11168.7 |
| 40°   | 19966.5 | 19904.5 | 19724.5 | 18722.1 | 16348.1 | 13058.6 | 10830.5 | 11147.0 | 12019.0 | 12158.7 |
| 42.5° | 21425.1 | 21570.9 | 21673.3 | 21394.0 | 19466.9 | 15913.6 | 12829.0 | 12611.7 | 13368.9 | 13511.7 |
| 45°   | 22917.7 | 22967.4 | 23380.1 | 23783.6 | 22564.0 | 18899.0 | 15082.0 | 14327.9 | 15047.8 | 15224.7 |
| 47.5° | 23876.7 | 24075.3 | 24801.4 | 25512.1 | 25167.6 | 21859.5 | 17502.5 | 16354.3 | 16993.6 | 17325.6 |
| 50°   | 23948.0 | 24323.5 | 25322.8 | 26561.0 | 27063.7 | 24677.3 | 20134.1 | 18663.1 | 19342.8 | 19708.9 |
| 52.5° | 22759.5 | 23342.9 | 24891.4 | 26703.7 | 28087.8 | 27063.7 | 22855.7 | 20972.0 | 21844.0 | 22321.9 |
| 55°   | 17449.8 | 18213.2 | 23268.4 | 25927.9 | 28128.2 | 28872.9 | 25505.9 | 23377.0 | 24630.8 | 25170.7 |
| 57.5° | 15203.0 | 15587.8 | 18293.9 | 24581.1 | 27380.3 | 29602.2 | 27901.6 | 25667.3 | 27662.7 | 28333.0 |
| 60°   | 12649.0 | 13154.8 | 15342.6 | 22377.8 | 26365.5 | 29673.6 | 30018.1 | 28621.6 | 30949.0 | 31703.1 |
| 62.5° | 8596.1  | 9145.4  | 11320.8 | 18591.8 | 24978.3 | 29639.5 | 31752.8 | 31662.8 | 34601.6 | 35411.6 |
| 65°   | 5325.2  | 5669.7  | 7103.4  | 15181.3 | 23038.8 | 29676.7 | 33568.2 | 35355.7 | 38455.9 | 39278.3 |
| 67.5° | 4208.1  | 4366.3  | 5114.2  | 11655.9 | 19696.5 | 28838.8 | 35380.5 | 38828.3 | 42083.6 | 42735.3 |
| 70°   | 2827.1  | 2923.3  | 3720.8  | 7814.1  | 14653.7 | 24972.1 | 35346.4 | 40572.3 | 43951.8 | 44277.6 |
| 72.5° | 1489.6  | 1564.1  | 2175.4  | 3618.4  | 8850.6  | 17750.8 | 29794.6 | 38486.9 | 42092.9 | 41602.6 |
| 75°   | 744.8   | 868.9   | 1464.7  | 1837.1  | 3779.8  | 9899.5  | 18501.8 | 30343.9 | 33130.6 | 31231.4 |
| 77.5° | 564.8   | 682.7   | 1210.3  | 1210.3  | 1315.8  | 3332.9  | 7835.8  | 16549.8 | 15265.0 | 12711.0 |
| 80°   | 360.0   | 465.5   | 1058.2  | 915.5   | 549.3   | 847.2   | 2042.0  | 4636.3  | 3242.9  | 2467.1  |
| 82.5° | 211.0   | 304.1   | 881.3   | 605.1   | 307.2   | 313.4   | 577.2   | 986.8   | 841.0   | 654.8   |
| 85°   | 83.8    | 198.6   | 605.1   | 239.0   | 121.0   | 77.6    | 173.8   | 211.0   | 173.8   | 130.3   |
| 87.5° | 0.0     | 46.5    | 105.5   | 0.0     | 9.3     | 6.2     | 12.4    | 15.5    | 15.5    | 12.4    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7665.1  | 0°    | 7665.1  | 7665.1  | 7665.1 | 7665.1 | 7665.1 | 7665.1 | 7665.1 | 7665.1 | 7665.1 | 7665.1 |
| 7671.3  | 2.5°  | 7699.2  | 7705.5  | 7724.1 | 7727.2 | 7683.7 | 7627.9 | 7606.1 | 7596.8 | 7559.6 | 7556.5 |
| 7721.0  | 5°    | 7792.3  | 7820.3  | 7792.3 | 7711.7 | 7519.3 | 7249.3 | 7044.5 | 6876.9 | 6724.8 | 6678.3 |
| 7891.6  | 7.5°  | 7978.5  | 8006.5  | 7922.7 | 7606.1 | 7122.0 | 6585.2 | 6101.1 | 5759.7 | 5452.5 | 5337.6 |
| 8099.6  | 10°   | 8245.4  | 8282.7  | 8018.9 | 7379.6 | 6523.1 | 5660.4 | 4841.1 | 4263.9 | 3813.9 | 3630.8 |
| 8382.0  | 12.5° | 8580.6  | 8596.1  | 8071.6 | 7035.1 | 5744.2 | 4512.2 | 3351.5 | 2734.0 | 2333.7 | 2184.7 |
| 8723.3  | 15°   | 8949.9  | 8928.1  | 8077.8 | 6566.5 | 4682.9 | 3190.2 | 2187.8 | 1796.8 | 1635.4 | 1585.8 |
| 9064.7  | 17.5° | 9337.8  | 9247.8  | 7953.7 | 5890.0 | 3519.1 | 2181.6 | 1623.0 | 1529.9 | 1502.0 | 1489.6 |
| 9402.9  | 20°   | 9719.5  | 9517.8  | 7727.2 | 5005.6 | 2526.1 | 1629.2 | 1474.1 | 1446.1 | 1430.6 | 1424.4 |
| 9744.3  | 22.5° | 10067.0 | 9722.6  | 7339.3 | 3978.4 | 1834.0 | 1439.9 | 1393.4 | 1368.5 | 1340.6 | 1328.2 |
| 10076.4 | 25°   | 10405.3 | 9840.5  | 6793.1 | 3019.5 | 1467.9 | 1346.8 | 1309.6 | 1263.0 | 1225.8 | 1210.3 |
| 10433.2 | 27.5° | 10734.3 | 9915.0  | 6110.4 | 2234.4 | 1309.6 | 1259.9 | 1191.7 | 1126.5 | 1098.6 | 1092.4 |
| 10814.9 | 30°   | 11084.9 | 9939.8  | 5334.5 | 1666.5 | 1213.4 | 1151.3 | 1052.0 | 977.5  | 962.0  | 965.1  |
| 11330.1 | 32.5° | 11513.2 | 9977.1  | 4552.5 | 1365.4 | 1132.7 | 1021.0 | 903.1  | 825.5  | 813.1  | 825.5  |
| 12081.1 | 35°   | 12025.2 | 10051.5 | 3798.4 | 1256.8 | 1061.3 | 887.5  | 760.3  | 695.1  | 682.7  | 692.0  |
| 13043.1 | 37.5° | 12720.4 | 10172.6 | 3094.0 | 1235.1 | 1002.4 | 775.8  | 639.3  | 586.5  | 586.5  | 589.6  |
| 14222.3 | 40°   | 13645.1 | 10495.3 | 2464.0 | 1219.6 | 971.3  | 692.0  | 540.0  | 518.2  | 527.6  | 533.8  |
| 15724.3 | 42.5° | 14771.6 | 11181.1 | 2038.9 | 1201.0 | 937.2  | 654.8  | 490.3  | 481.0  | 496.5  | 502.7  |
| 17524.2 | 45°   | 16034.7 | 12050.0 | 1889.9 | 1169.9 | 906.2  | 679.6  | 468.6  | 456.2  | 474.8  | 477.9  |
| 19541.4 | 47.5° | 17341.1 | 12900.3 | 1871.3 | 1135.8 | 875.1  | 716.9  | 462.4  | 434.5  | 456.2  | 459.3  |
| 21695.0 | 50°   | 18663.1 | 13455.8 | 1889.9 | 1083.0 | 825.5  | 716.9  | 465.5  | 412.7  | 431.4  | 440.7  |
| 23929.4 | 52.5° | 19994.5 | 13710.3 | 1877.5 | 968.2  | 738.6  | 673.4  | 465.5  | 394.1  | 412.7  | 418.9  |
| 26343.8 | 55°   | 21285.4 | 13660.7 | 1688.2 | 797.5  | 626.9  | 595.8  | 453.1  | 378.6  | 391.0  | 394.1  |
| 28624.7 | 57.5° | 22306.4 | 12968.6 | 1337.5 | 620.7  | 508.9  | 496.5  | 412.7  | 360.0  | 369.3  | 366.2  |
| 30716.3 | 60°   | 22840.2 | 11448.0 | 955.8  | 477.9  | 400.3  | 391.0  | 363.1  | 335.2  | 341.4  | 325.8  |
| 32488.3 | 62.5° | 22846.4 | 9437.1  | 639.3  | 378.6  | 319.6  | 310.3  | 310.3  | 301.0  | 294.8  | 263.8  |
| 33859.9 | 65°   | 22359.2 | 7205.8  | 425.1  | 301.0  | 257.6  | 242.1  | 260.7  | 257.6  | 235.8  | 192.4  |
| 34278.9 | 67.5° | 21254.4 | 4723.2  | 322.7  | 235.8  | 198.6  | 189.3  | 207.9  | 217.2  | 201.7  | 161.4  |
| 32752.0 | 70°   | 18982.8 | 2749.5  | 266.9  | 183.1  | 149.0  | 139.6  | 167.6  | 186.2  | 167.6  | 130.3  |
| 27994.7 | 72.5° | 15767.8 | 1483.4  | 217.2  | 136.5  | 102.4  | 93.1   | 133.4  | 152.1  | 133.4  | 96.2   |
| 17961.8 | 75°   | 10231.5 | 794.4   | 167.6  | 90.0   | 52.8   | 59.0   | 99.3   | 111.7  | 93.1   | 62.1   |
| 5272.5  | 77.5° | 3435.3  | 350.7   | 105.5  | 43.4   | 24.8   | 24.8   | 59.0   | 68.3   | 43.4   | 21.7   |
| 958.9   | 80°   | 766.5   | 145.9   | 43.4   | 18.6   | 9.3    | 9.3    | 12.4   | 12.4   | 6.2    | 0.0    |
| 294.8   | 82.5° | 251.4   | 59.0    | 18.6   | 6.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 74.5    | 85°   | 96.2    | 21.7    | 6.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 24.8    | 87.5° | 37.2    | 3.1     | 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°   |
|--------|
| 7665.1 |
| 7562.7 |
| 6650.3 |
| 5291.1 |
| 3553.3 |
| 2138.2 |
| 1585.8 |
| 1486.5 |
| 1418.2 |
| 1325.1 |
| 1204.1 |
| 1086.1 |
| 965.1  |
| 822.4  |
| 688.9  |
| 586.5  |
| 533.8  |
| 502.7  |
| 481.0  |
| 462.4  |
| 443.8  |
| 418.9  |
| 394.1  |
| 366.2  |
| 322.7  |
| 254.5  |
| 186.2  |
| 158.3  |
| 124.1  |
| 93.1   |
| 55.9   |
| 18.6   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |