

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: P953844

Luminaire Tested: **GLAN-SB7B-740-U-SL2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P953844  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7B-740-U-SL2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

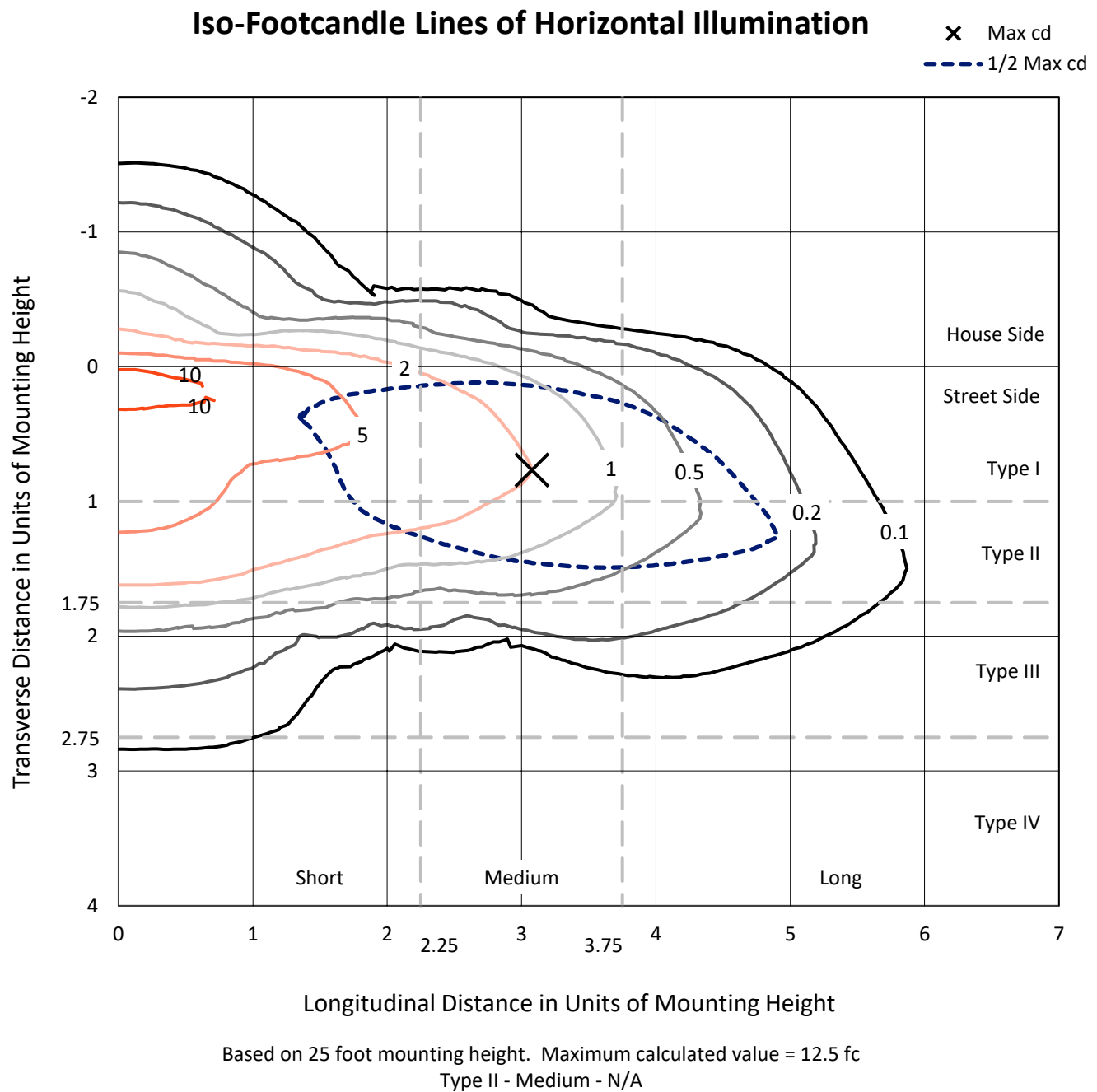
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 34339 lumens  
Efficiency: N/A  
Efficacy: 133.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - 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

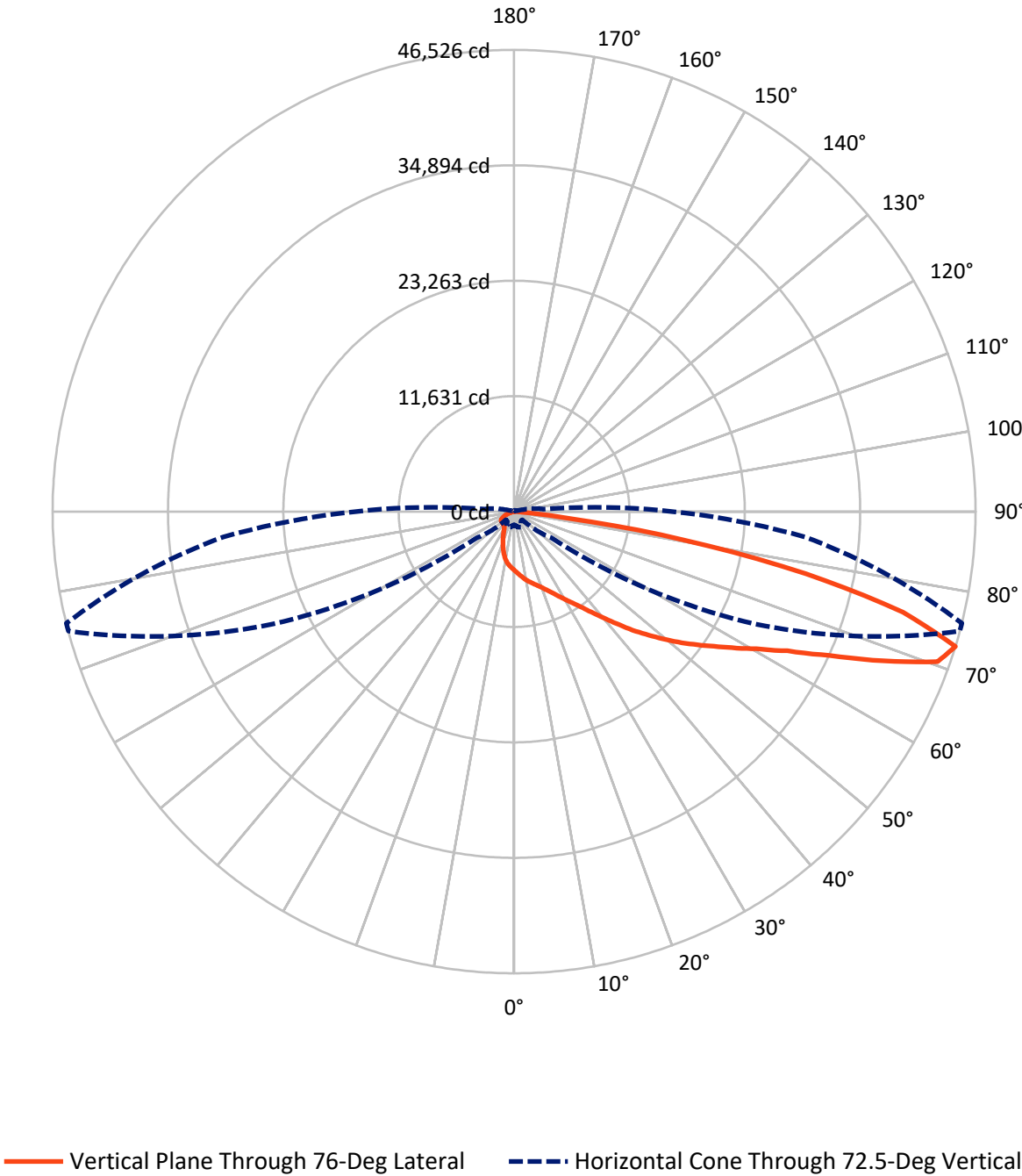


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Luminous Intensity Polar Plot



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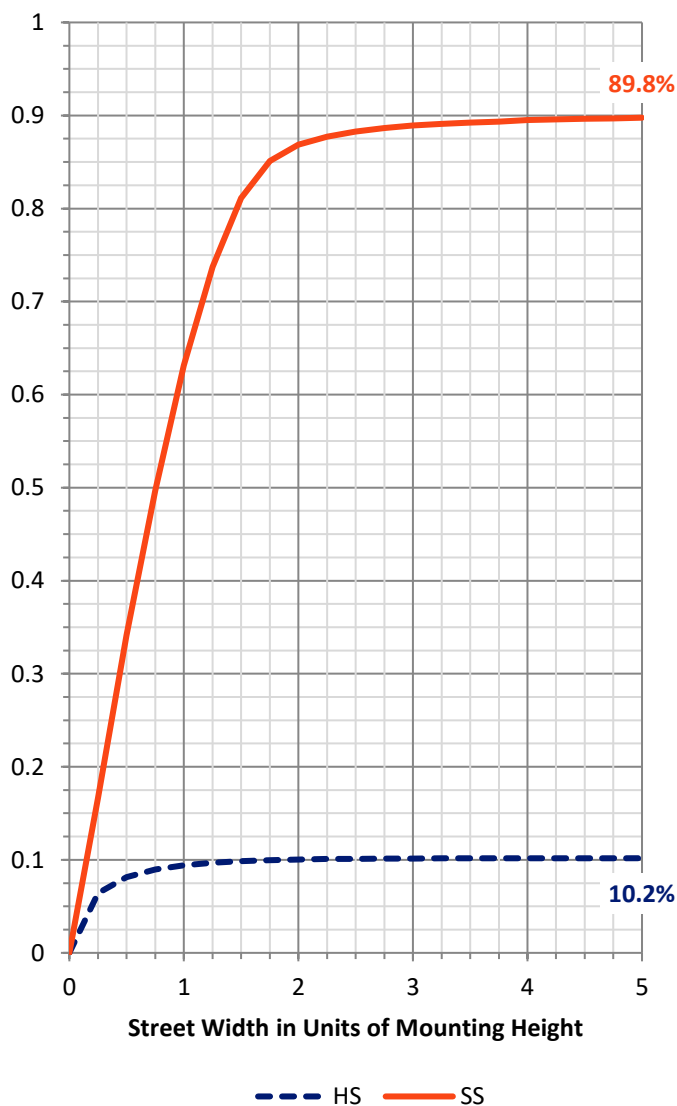
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3514.6   | 0.0    | 3514.6  |
|                    | % Fixture | 10.2     | 0.0    | 10.2    |
| <b>Street Side</b> | Lumens    | 30824.4  | 0.0    | 30824.4 |
|                    | % Fixture | 89.8     | 0.0    | 89.8    |
| <b>Total</b>       | Lumens    | 34339.0  | 0.0    | 34339.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 539.7   | 1.6       |
| 10°-20°   | 1447.1  | 4.2       |
| 20°-30°   | 2290.4  | 6.7       |
| 30°-40°   | 3543.6  | 10.3      |
| 40°-50°   | 5382.1  | 15.7      |
| 50°-60°   | 7419.7  | 21.6      |
| 60°-70°   | 7838.5  | 22.8      |
| 70°-80°   | 5377.4  | 15.7      |
| 80°-90°   | 500.5   | 1.5       |
| 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°    | 34339.0 | 100.0     |
| 0°-180°   | 34339.0 | 100.0     |

**Coefficient of Utilization**



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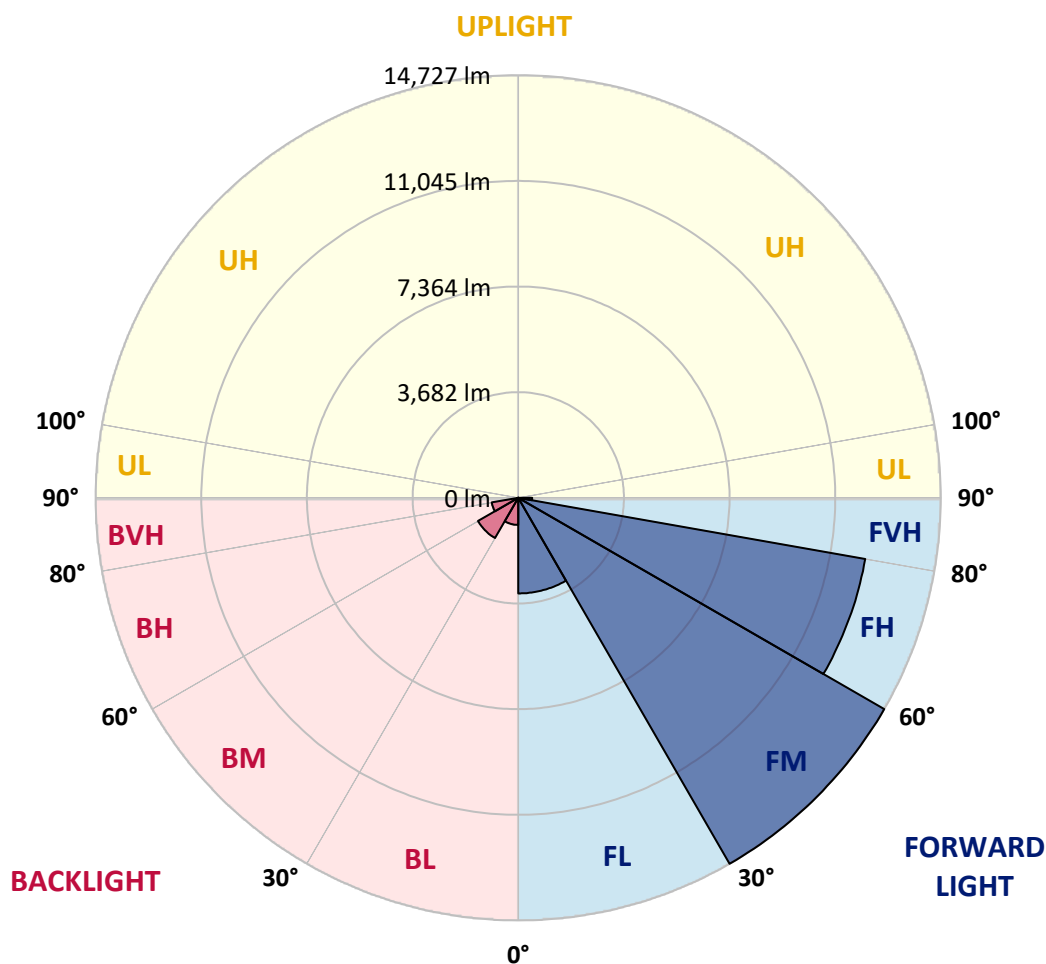
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3332.5  | 9.7       |                         |      |         |
| FM   | (30°-60°)   | 14727.2 | 42.9      |                         |      |         |
| FH   | (60°-80°)   | 12277.7 | 35.8      |                         |      | G5      |
| FVH  | (80°-90°)   | 487.0   | 1.4       |                         |      | G3/500  |
| BL   | (0°-30°)    | 944.7   | 2.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1618.1  | 4.7       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 938.2   | 2.7       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 13.5    | 0.0       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G5**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 76°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5934.1  | 5934.1  | 5934.1  | 5934.1  | 5934.1  | 5934.1  | 5934.1  | 5934.1  | 5934.1  | 5934.1  |
| 2.5°  | 6898.6  | 6807.3  | 6825.1  | 6733.8  | 6691.4  | 6589.0  | 6482.0  | 6341.7  | 6185.8  | 6185.8  |
| 5°    | 7624.8  | 7566.8  | 7566.8  | 7459.9  | 7377.5  | 7217.1  | 7025.6  | 6778.3  | 6484.3  | 6455.3  |
| 7.5°  | 8070.3  | 8034.6  | 8056.9  | 7994.5  | 7927.7  | 7760.6  | 7533.4  | 7210.4  | 6793.9  | 6758.3  |
| 10°   | 8157.1  | 8154.9  | 8217.3  | 8235.1  | 8279.6  | 8195.0  | 7992.3  | 7620.3  | 7099.1  | 7047.8  |
| 12.5° | 7820.8  | 7778.5  | 7932.2  | 8112.6  | 8366.5  | 8480.1  | 8375.4  | 7994.5  | 7377.5  | 7306.2  |
| 15°   | 7268.4  | 7277.3  | 7424.3  | 7702.7  | 8125.9  | 8531.4  | 8667.2  | 8359.8  | 7660.4  | 7575.8  |
| 17.5° | 6952.0  | 6918.6  | 7045.6  | 7295.1  | 7762.9  | 8335.3  | 8803.1  | 8700.6  | 7961.1  | 7865.3  |
| 20°   | 6914.2  | 6912.0  | 6940.9  | 7054.5  | 7410.9  | 8054.7  | 8787.5  | 9032.5  | 8315.3  | 8203.9  |
| 22.5° | 7177.0  | 7172.6  | 7148.1  | 7125.8  | 7223.8  | 7780.7  | 8720.7  | 9348.8  | 8738.5  | 8618.2  |
| 25°   | 7580.2  | 7573.5  | 7535.7  | 7399.8  | 7304.0  | 7633.7  | 8658.3  | 9642.9  | 9239.7  | 9106.0  |
| 27.5° | 8072.5  | 8068.0  | 7999.0  | 7794.0  | 7546.8  | 7647.0  | 8627.1  | 9945.8  | 9818.8  | 9687.4  |
| 30°   | 8676.1  | 8667.2  | 8524.7  | 8235.1  | 7912.1  | 7858.6  | 8669.5  | 10286.6 | 10422.5 | 10322.3 |
| 32.5° | 9433.5  | 9409.0  | 9221.9  | 8785.3  | 8333.1  | 8141.5  | 8749.6  | 10636.3 | 11137.5 | 11044.0 |
| 35°   | 10019.3 | 9981.5  | 9872.3  | 9487.0  | 8820.9  | 8489.0  | 8936.8  | 11050.7 | 11997.4 | 11914.9 |
| 37.5° | 10522.7 | 10484.9 | 10395.8 | 10079.5 | 9520.4  | 8932.3  | 9237.5  | 11603.1 | 13013.1 | 12973.0 |
| 40°   | 11066.3 | 11003.9 | 10961.6 | 10623.0 | 10117.3 | 9571.6  | 9667.4  | 12249.1 | 14182.5 | 14187.0 |
| 42.5° | 11485.0 | 11460.5 | 11465.0 | 11204.4 | 10694.3 | 10328.9 | 10237.6 | 12977.5 | 15583.6 | 15626.0 |
| 45°   | 11843.7 | 11823.6 | 11906.0 | 11723.4 | 11275.6 | 10825.7 | 10905.9 | 13801.6 | 17116.2 | 17203.0 |
| 47.5° | 12119.9 | 12142.1 | 12260.2 | 12142.1 | 11879.3 | 11175.4 | 11498.4 | 14690.4 | 18726.6 | 18737.8 |
| 50°   | 12396.1 | 12405.0 | 12601.0 | 12543.1 | 12436.2 | 11618.7 | 12044.1 | 15683.9 | 20424.0 | 20444.1 |
| 52.5° | 12482.9 | 12469.6 | 12781.4 | 12924.0 | 12928.4 | 12166.6 | 12750.2 | 16766.4 | 22088.0 | 22152.6 |
| 55°   | 12037.4 | 12075.3 | 12578.7 | 13157.9 | 13387.3 | 12924.0 | 13703.6 | 18136.4 | 23861.1 | 23887.8 |
| 57.5° | 9858.9  | 10068.3 | 11182.1 | 12525.3 | 13683.6 | 14008.8 | 15073.5 | 19737.9 | 25908.1 | 25883.6 |
| 60°   | 5983.1  | 6232.6  | 7564.6  | 10504.9 | 12716.8 | 15098.0 | 17091.7 | 22219.4 | 28144.5 | 28075.5 |
| 62.5° | 3345.7  | 3421.5  | 3846.9  | 6288.3  | 9671.8  | 14405.3 | 19063.0 | 25406.9 | 31147.2 | 30913.3 |
| 65°   | 2465.8  | 2490.4  | 2590.6  | 3080.6  | 4753.5  | 11079.6 | 18630.9 | 29218.2 | 35366.1 | 34949.6 |
| 67.5° | 2142.9  | 2167.4  | 2265.4  | 2332.2  | 2122.8  | 5820.5  | 15349.7 | 31332.1 | 40723.3 | 40177.5 |
| 70°   | 1804.3  | 1817.6  | 1975.8  | 2020.3  | 1519.2  | 2214.1  | 9861.2  | 30679.5 | 45681.7 | 45291.9 |
| 72.5° | 1345.4  | 1398.9  | 1628.3  | 1735.2  | 1218.4  | 1176.1  | 4642.1  | 26823.6 | 46521.5 | 46525.9 |
| 75°   | 913.3   | 962.3   | 1225.1  | 1427.8  | 940.0   | 824.2   | 1873.3  | 20029.7 | 40509.4 | 40509.4 |
| 77.5° | 623.7   | 663.8   | 853.1   | 1120.4  | 712.8   | 565.8   | 971.2   | 12712.4 | 29062.3 | 30084.7 |
| 80°   | 276.2   | 300.7   | 550.2   | 813.0   | 541.3   | 365.3   | 550.2   | 6961.0  | 17575.0 | 17359.0 |
| 82.5° | 135.9   | 155.9   | 351.9   | 507.9   | 349.7   | 225.0   | 289.6   | 3310.1  | 5695.7  | 5412.8  |
| 85°   | 26.7    | 35.6    | 189.3   | 216.1   | 162.6   | 100.2   | 109.1   | 1018.0  | 686.1   | 784.1   |
| 87.5° | 0.0     | 0.0     | 57.9    | 40.1    | 17.8    | 22.3    | 22.3    | 91.3    | 53.5    | 62.4    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5934.1  | 0°    | 5934.1  | 5934.1 | 5934.1 | 5934.1 | 5934.1 | 5934.1 | 5934.1 | 5934.1 | 5934.1 | 5934.1 |
| 6034.3  | 2.5°  | 5954.1  | 5871.7 | 5691.3 | 5513.1 | 5330.4 | 5163.4 | 5047.5 | 4931.7 | 4860.4 | 4829.2 |
| 6168.0  | 5°    | 6000.9  | 5833.8 | 5455.2 | 5058.7 | 4666.6 | 4283.5 | 3996.1 | 3726.6 | 3642.0 | 3501.6 |
| 6326.1  | 7.5°  | 6074.4  | 5802.7 | 5205.7 | 4537.4 | 3900.4 | 3339.0 | 2933.6 | 2610.6 | 2481.4 | 2356.7 |
| 6462.0  | 10°   | 6123.4  | 5744.7 | 4876.0 | 3982.8 | 3120.7 | 2490.4 | 2102.8 | 1868.9 | 1784.2 | 1708.5 |
| 6589.0  | 12.5° | 6143.5  | 5637.8 | 4497.3 | 3361.3 | 2428.0 | 1897.8 | 1666.2 | 1557.0 | 1528.1 | 1501.3 |
| 6709.3  | 15°   | 6161.3  | 5533.1 | 4074.1 | 2762.1 | 1917.9 | 1588.2 | 1496.9 | 1461.2 | 1441.2 | 1423.4 |
| 6831.8  | 17.5° | 6176.9  | 5399.5 | 3590.7 | 2245.3 | 1619.4 | 1463.5 | 1418.9 | 1381.1 | 1365.5 | 1345.4 |
| 7007.7  | 20°   | 6230.3  | 5270.3 | 3158.6 | 1853.3 | 1456.8 | 1374.4 | 1325.4 | 1285.3 | 1271.9 | 1258.5 |
| 7257.2  | 22.5° | 6330.6  | 5165.6 | 2739.8 | 1588.2 | 1358.8 | 1283.0 | 1220.7 | 1176.1 | 1167.2 | 1158.3 |
| 7560.2  | 25°   | 6450.9  | 5036.4 | 2345.6 | 1416.7 | 1263.0 | 1178.4 | 1109.3 | 1071.4 | 1062.5 | 1064.7 |
| 7909.9  | 27.5° | 6604.6  | 4893.8 | 2007.0 | 1307.5 | 1178.4 | 1080.3 | 1002.4 | 973.4  | 977.9  | 986.8  |
| 8313.1  | 30°   | 6773.8  | 4762.4 | 1741.9 | 1231.8 | 1102.6 | 993.5  | 915.5  | 895.5  | 911.1  | 924.4  |
| 8852.1  | 32.5° | 7025.6  | 4646.6 | 1557.0 | 1171.7 | 1035.8 | 922.2  | 859.8  | 835.3  | 853.1  | 871.0  |
| 9540.4  | 35°   | 7368.6  | 4588.7 | 1452.3 | 1120.4 | 977.9  | 866.5  | 804.1  | 786.3  | 804.1  | 808.6  |
| 10380.2 | 37.5° | 7789.6  | 4584.2 | 1407.8 | 1078.1 | 924.4  | 819.7  | 750.7  | 744.0  | 757.4  | 759.6  |
| 11389.2 | 40°   | 8333.1  | 4613.2 | 1374.4 | 1046.9 | 868.7  | 766.3  | 701.7  | 695.0  | 699.4  | 715.0  |
| 12603.2 | 42.5° | 9021.4  | 4733.5 | 1327.6 | 1006.8 | 808.6  | 712.8  | 661.6  | 646.0  | 643.7  | 661.6  |
| 13962.0 | 45°   | 9885.7  | 4998.5 | 1265.2 | 942.2  | 755.1  | 668.3  | 617.0  | 599.2  | 592.5  | 597.0  |
| 15365.3 | 47.5° | 10827.9 | 5323.7 | 1202.9 | 882.1  | 717.3  | 632.6  | 581.4  | 559.1  | 548.0  | 548.0  |
| 16677.3 | 50°   | 11741.2 | 5691.3 | 1160.5 | 819.7  | 690.5  | 599.2  | 543.5  | 521.2  | 503.4  | 499.0  |
| 18027.2 | 52.5° | 12645.6 | 6052.1 | 1127.1 | 757.4  | 659.3  | 556.9  | 507.9  | 483.4  | 463.3  | 454.4  |
| 19363.7 | 55°   | 13469.7 | 6395.2 | 1069.2 | 697.2  | 619.2  | 512.3  | 472.2  | 447.7  | 423.2  | 407.6  |
| 20718.0 | 57.5° | 14260.5 | 6680.3 | 962.3  | 634.8  | 556.9  | 470.0  | 434.4  | 407.6  | 378.7  | 358.6  |
| 22088.0 | 60°   | 14980.0 | 6827.3 | 828.6  | 568.0  | 494.5  | 425.5  | 392.0  | 367.5  | 329.7  | 296.3  |
| 23435.6 | 62.5° | 15527.9 | 6769.4 | 683.8  | 492.3  | 429.9  | 385.4  | 343.0  | 318.5  | 274.0  | 233.9  |
| 25050.5 | 65°   | 16089.3 | 6453.1 | 545.7  | 412.1  | 376.4  | 331.9  | 287.3  | 262.8  | 211.6  | 169.3  |
| 27235.7 | 67.5° | 16817.7 | 5778.2 | 429.9  | 343.0  | 325.2  | 262.8  | 225.0  | 209.4  | 173.7  | 133.7  |
| 29581.3 | 70°   | 17285.5 | 4488.4 | 334.1  | 278.4  | 267.3  | 191.6  | 173.7  | 171.5  | 138.1  | 102.5  |
| 29423.1 | 72.5° | 16002.4 | 2942.5 | 256.2  | 211.6  | 191.6  | 124.7  | 133.7  | 133.7  | 100.2  | 69.1   |
| 25792.3 | 75°   | 13358.4 | 1721.9 | 184.9  | 151.5  | 109.1  | 80.2   | 91.3   | 91.3   | 62.4   | 33.4   |
| 18383.6 | 77.5° | 9540.4  | 917.7  | 122.5  | 93.6   | 55.7   | 35.6   | 49.0   | 46.8   | 20.0   | 2.2    |
| 7206.0  | 80°   | 3648.7  | 316.3  | 57.9   | 37.9   | 15.6   | 6.7    | 4.5    | 2.2    | 2.2    | 0.0    |
| 1124.9  | 82.5° | 556.9   | 82.4   | 11.1   | 8.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 238.3   | 85°   | 100.2   | 11.1   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.4    | 87.5° | 22.3    | 0.0    | 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°   |
|--------|
| 5934.1 |
| 4833.7 |
| 3510.6 |
| 2354.5 |
| 1706.3 |
| 1501.3 |
| 1423.4 |
| 1345.4 |
| 1260.8 |
| 1151.6 |
| 1060.3 |
| 982.3  |
| 920.0  |
| 866.5  |
| 806.4  |
| 755.1  |
| 712.8  |
| 659.3  |
| 603.7  |
| 548.0  |
| 496.7  |
| 450.0  |
| 401.0  |
| 349.7  |
| 287.3  |
| 218.3  |
| 158.2  |
| 124.7  |
| 91.3   |
| 60.1   |
| 26.7   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |