

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: P951716

Luminaire Tested: **GLAN-SB5D-740-U-T4W-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P951716  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5D-740-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 41891 lumens  
Efficiency: N/A  
Efficacy: 114.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

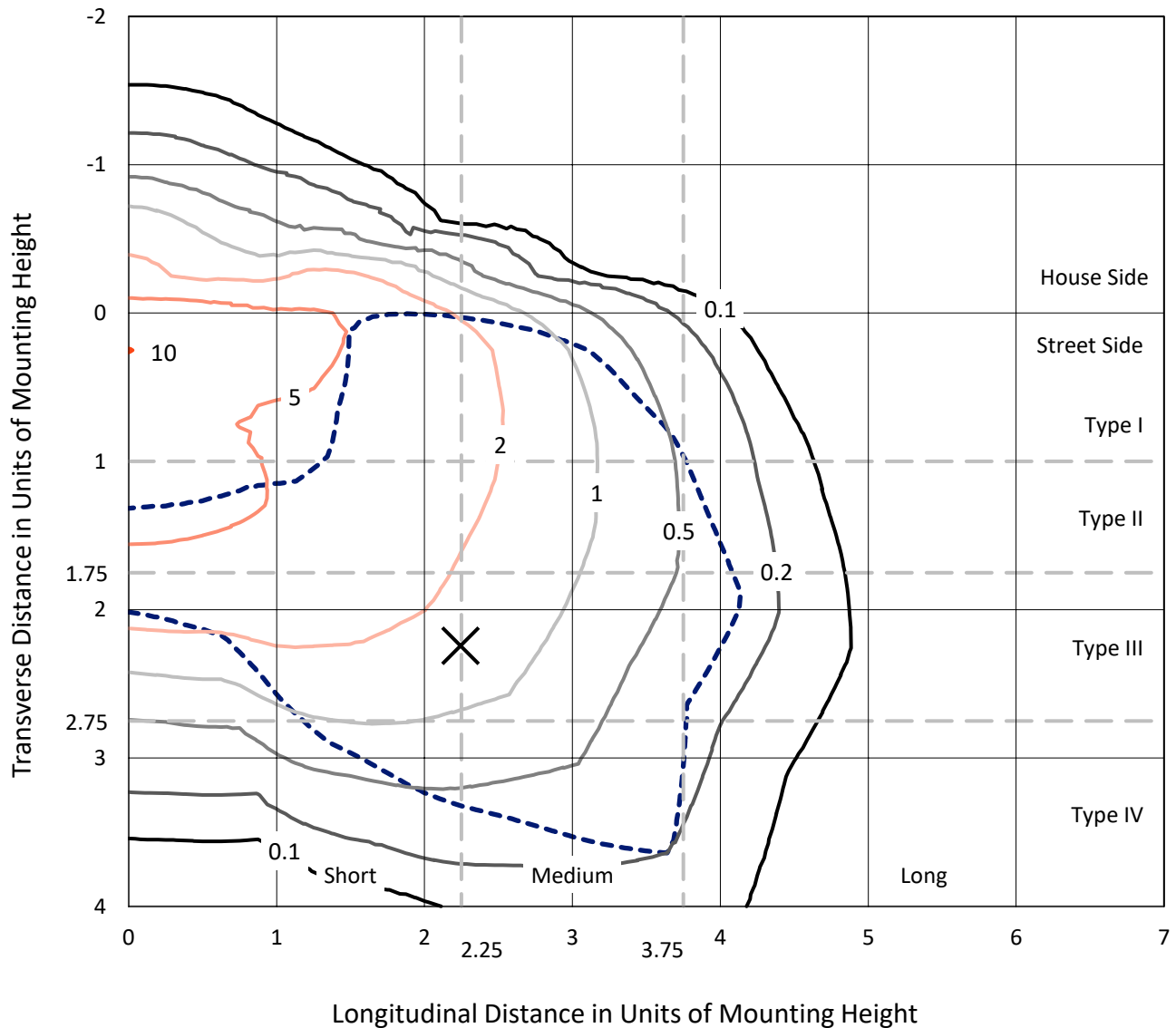
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

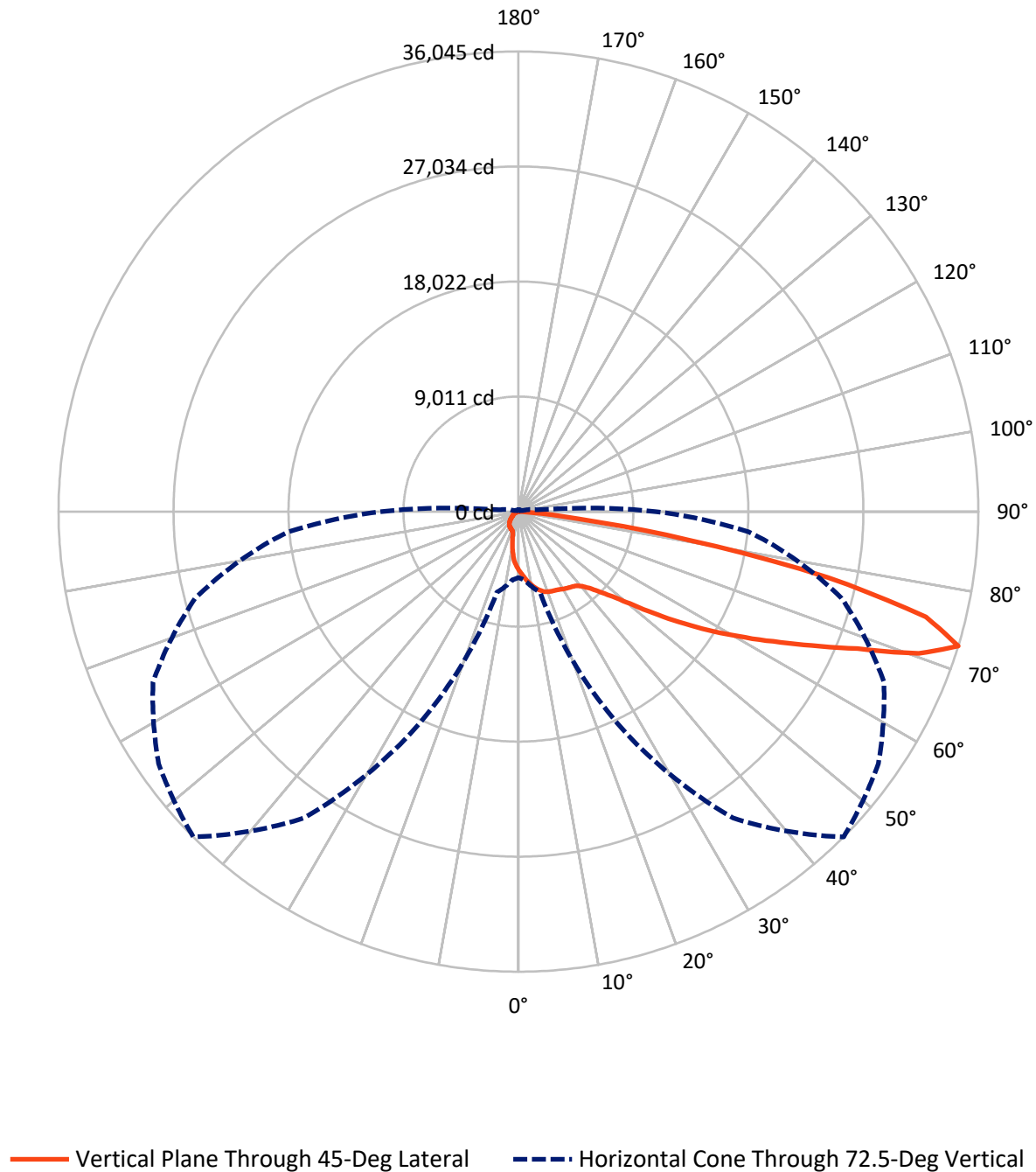
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc  
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4401.6   | 0.0    | 4401.6  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 37489.4  | 0.0    | 37489.4 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 41891.0  | 0.0    | 41891.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 432.4   | 1.0       |
| 10°-20°   | 1263.7  | 3.0       |
| 20°-30°   | 2075.2  | 5.0       |
| 30°-40°   | 2943.2  | 7.0       |
| 40°-50°   | 4864.7  | 11.6      |
| 50°-60°   | 8738.9  | 20.9      |
| 60°-70°   | 12134.5 | 29.0      |
| 70°-80°   | 8802.0  | 21.0      |
| 80°-90°   | 636.3   | 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°    | 41891.0 | 100.0     |
| 0°-180°   | 41891.0 | 100.0     |

**Coefficient of Utilization**



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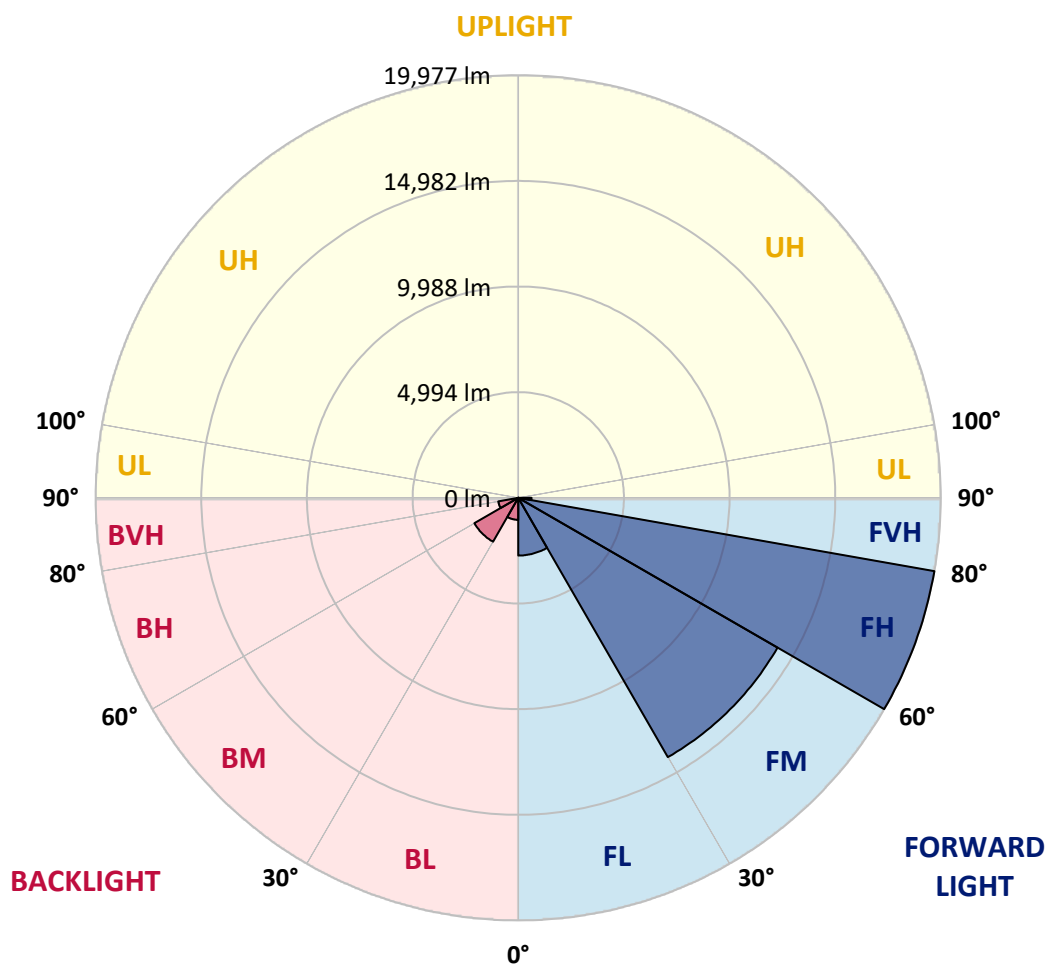
CATALOG NUMBER: GLAN-SB5D-740-U-T4W-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2728.8  | 6.5       |                         |      |         |
| FM   | (30°-60°)   | 14153.0 | 33.8      |                         |      |         |
| FH   | (60°-80°)   | 19976.6 | 47.7      |                         |      | G5      |
| FVH  | (80°-90°)   | 631.0   | 1.5       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1042.6  | 2.5       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2393.8  | 5.7       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 959.8   | 2.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 5.4     | 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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 46°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4589.2  | 4589.2  | 4589.2  | 4589.2  | 4589.2  | 4589.2  | 4589.2  | 4589.2  | 4589.2  | 4589.2  |
| 2.5°  | 5012.4  | 5021.0  | 5015.3  | 4981.0  | 4923.8  | 4892.3  | 4875.2  | 4818.0  | 4780.8  | 4715.1  |
| 5°    | 5472.8  | 5507.1  | 5487.1  | 5418.5  | 5309.8  | 5232.6  | 5209.7  | 5092.5  | 4986.7  | 4863.7  |
| 7.5°  | 5961.7  | 5978.9  | 5941.7  | 5853.1  | 5707.3  | 5575.7  | 5555.7  | 5392.7  | 5224.0  | 5035.3  |
| 10°   | 6384.9  | 6404.9  | 6347.7  | 6219.1  | 6053.2  | 5890.2  | 5861.7  | 5681.5  | 5481.4  | 5249.8  |
| 12.5° | 6739.5  | 6759.5  | 6685.1  | 6530.7  | 6347.7  | 6179.0  | 6150.5  | 5961.7  | 5741.6  | 5484.2  |
| 15°   | 7008.3  | 7045.4  | 6945.3  | 6779.5  | 6582.2  | 6413.5  | 6399.2  | 6213.4  | 5998.9  | 5713.0  |
| 17.5° | 7165.5  | 7202.7  | 7108.3  | 6908.2  | 6739.5  | 6596.5  | 6579.4  | 6424.9  | 6224.8  | 5950.3  |
| 20°   | 7191.3  | 7225.6  | 7125.5  | 6951.1  | 6811.0  | 6696.6  | 6688.0  | 6576.5  | 6430.7  | 6167.6  |
| 22.5° | 7114.0  | 7156.9  | 7065.4  | 6925.3  | 6828.1  | 6768.1  | 6756.6  | 6693.7  | 6610.8  | 6387.8  |
| 25°   | 7034.0  | 7068.3  | 6999.7  | 6876.7  | 6825.3  | 6819.5  | 6828.1  | 6816.7  | 6799.5  | 6610.8  |
| 27.5° | 7028.3  | 7065.4  | 6988.2  | 6871.0  | 6842.4  | 6902.5  | 6911.0  | 6965.4  | 6979.7  | 6813.8  |
| 30°   | 7076.9  | 7102.6  | 7028.3  | 6905.3  | 6891.0  | 7028.3  | 7031.1  | 7128.3  | 7151.2  | 6985.4  |
| 32.5° | 7182.7  | 7211.3  | 7136.9  | 6956.8  | 6936.8  | 7128.3  | 7136.9  | 7265.6  | 7302.8  | 7168.4  |
| 35°   | 7431.4  | 7465.7  | 7380.0  | 7099.8  | 7028.3  | 7222.7  | 7248.4  | 7400.0  | 7474.3  | 7362.8  |
| 37.5° | 8051.9  | 7951.8  | 7834.6  | 7388.5  | 7237.0  | 7371.4  | 7414.3  | 7591.6  | 7723.1  | 7594.4  |
| 40°   | 9593.1  | 9278.6  | 8912.6  | 7880.4  | 7603.0  | 7688.8  | 7723.1  | 7900.4  | 8080.5  | 7954.7  |
| 42.5° | 11906.3 | 11534.6 | 10945.6 | 9012.7  | 8154.9  | 8197.7  | 8223.5  | 8377.9  | 8632.4  | 8532.3  |
| 45°   | 13967.9 | 13833.5 | 13233.0 | 10945.6 | 9187.1  | 8975.5  | 9006.9  | 9087.0  | 9461.6  | 9424.4  |
| 47.5° | 15552.0 | 15474.8 | 15011.6 | 13164.4 | 10931.3 | 9927.6  | 10016.3 | 10053.5 | 10593.9 | 10725.4 |
| 50°   | 16770.1 | 16741.5 | 16326.9 | 15137.4 | 13210.2 | 11331.6 | 11363.0 | 11283.0 | 12092.2 | 12418.1 |
| 52.5° | 17919.5 | 18016.7 | 17710.8 | 16970.2 | 15643.5 | 13170.1 | 13164.4 | 12787.0 | 13879.3 | 14371.1 |
| 55°   | 18957.5 | 18991.8 | 19023.2 | 18840.2 | 18091.1 | 15263.2 | 15208.9 | 14591.2 | 15952.3 | 16461.2 |
| 57.5° | 19932.5 | 19946.8 | 20227.0 | 20601.6 | 20638.7 | 17510.6 | 17410.5 | 16670.0 | 18216.9 | 18580.0 |
| 60°   | 20587.3 | 20653.0 | 21244.9 | 22285.7 | 22740.4 | 19829.6 | 19775.2 | 19020.4 | 20521.5 | 20690.2 |
| 62.5° | 19643.7 | 20044.0 | 21536.6 | 23601.0 | 24724.8 | 22400.1 | 22374.4 | 21665.3 | 22946.2 | 22809.0 |
| 65°   | 15900.8 | 16578.5 | 19203.4 | 24490.3 | 26672.0 | 25270.9 | 25308.1 | 24553.2 | 25436.7 | 24990.7 |
| 67.5° | 11122.9 | 11837.7 | 14942.9 | 24561.8 | 28847.9 | 28642.1 | 28856.5 | 27672.7 | 28081.6 | 27080.9 |
| 70°   | 7691.6  | 8060.5  | 10082.0 | 23023.4 | 30543.5 | 33285.6 | 33279.9 | 31504.3 | 30712.2 | 28033.0 |
| 72.5° | 5172.6  | 5364.1  | 6547.9  | 18265.5 | 29296.8 | 36044.9 | 35879.1 | 34432.2 | 31598.6 | 26217.3 |
| 75°   | 2181.7  | 2321.8  | 3030.9  | 10265.0 | 23177.8 | 32976.8 | 32527.9 | 30429.1 | 28075.9 | 20644.5 |
| 77.5° | 692.0   | 752.0   | 1195.2  | 3674.3  | 12767.0 | 24787.7 | 24313.0 | 19003.2 | 18817.3 | 10356.5 |
| 80°   | 328.8   | 383.2   | 671.9   | 1475.4  | 5023.9  | 13481.8 | 13416.0 | 8620.9  | 8094.8  | 2796.4  |
| 82.5° | 143.0   | 168.7   | 371.7   | 789.2   | 2247.4  | 4809.4  | 4906.6  | 2933.7  | 2427.6  | 1060.8  |
| 85°   | 45.7    | 60.0    | 171.6   | 363.1   | 949.3   | 1195.2  | 1180.9  | 697.7   | 977.9   | 577.6   |
| 87.5° | 0.0     | 0.0     | 57.2    | 82.9    | 97.2    | 68.6    | 77.2    | 60.0    | 271.6   | 160.1   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4589.2  | 0°    | 4589.2  | 4589.2  | 4589.2 | 4589.2 | 4589.2 | 4589.2 | 4589.2 | 4589.2 | 4589.2 | 4589.2 |
| 4646.4  | 2.5°  | 4612.1  | 4566.4  | 4486.3 | 4412.0 | 4346.2 | 4280.4 | 4240.4 | 4183.2 | 4177.5 | 4177.5 |
| 4720.8  | 5°    | 4643.6  | 4569.2  | 4426.3 | 4274.7 | 4100.3 | 3934.5 | 3768.6 | 3608.5 | 3557.0 | 3519.9 |
| 4840.9  | 7.5°  | 4735.1  | 4617.8  | 4392.0 | 4103.2 | 3771.5 | 3408.3 | 3153.9 | 2879.4 | 2773.6 | 2716.4 |
| 5001.0  | 10°   | 4866.6  | 4706.5  | 4363.4 | 3857.3 | 3319.7 | 2825.0 | 2461.9 | 2164.5 | 2050.2 | 2001.5 |
| 5175.4  | 12.5° | 5012.4  | 4815.1  | 4311.9 | 3551.3 | 2825.0 | 2233.1 | 1878.6 | 1741.3 | 1724.2 | 1724.2 |
| 5384.1  | 15°   | 5186.9  | 4946.7  | 4223.3 | 3191.0 | 2307.5 | 1767.1 | 1641.3 | 1647.0 | 1664.1 | 1675.6 |
| 5587.2  | 17.5° | 5367.0  | 5086.8  | 4083.1 | 2787.9 | 1850.0 | 1589.8 | 1592.7 | 1601.2 | 1615.5 | 1627.0 |
| 5807.3  | 20°   | 5561.4  | 5226.9  | 3897.3 | 2359.0 | 1586.9 | 1538.3 | 1546.9 | 1555.5 | 1566.9 | 1572.6 |
| 6013.2  | 22.5° | 5770.2  | 5358.4  | 3677.1 | 1938.6 | 1498.3 | 1495.4 | 1498.3 | 1506.9 | 1521.2 | 1521.2 |
| 6253.4  | 25°   | 5993.2  | 5504.2  | 3425.5 | 1632.7 | 1452.5 | 1452.5 | 1458.3 | 1464.0 | 1475.4 | 1475.4 |
| 6485.0  | 27.5° | 6221.9  | 5638.6  | 3159.6 | 1472.6 | 1412.5 | 1409.7 | 1409.7 | 1418.2 | 1424.0 | 1426.8 |
| 6713.7  | 30°   | 6473.6  | 5795.9  | 2893.7 | 1438.3 | 1381.1 | 1366.8 | 1358.2 | 1363.9 | 1369.6 | 1372.5 |
| 6953.9  | 32.5° | 6730.9  | 5947.4  | 2656.3 | 1452.5 | 1349.6 | 1323.9 | 1295.3 | 1289.6 | 1289.6 | 1301.0 |
| 7202.7  | 35°   | 7016.8  | 6113.3  | 2473.3 | 1501.2 | 1332.5 | 1261.0 | 1215.2 | 1189.5 | 1192.3 | 1209.5 |
| 7500.1  | 37.5° | 7360.0  | 6313.4  | 2338.9 | 1544.0 | 1321.0 | 1189.5 | 1115.1 | 1083.7 | 1063.7 | 1083.7 |
| 7908.9  | 40°   | 7808.9  | 6607.9  | 2241.7 | 1578.4 | 1306.7 | 1106.6 | 1006.5 | 955.0  | 917.8  | 929.3  |
| 8543.7  | 42.5° | 8469.4  | 7071.2  | 2204.6 | 1581.2 | 1275.3 | 1009.3 | 895.0  | 826.4  | 772.0  | 774.9  |
| 9498.7  | 45°   | 9395.8  | 7803.2  | 2396.1 | 1544.0 | 1206.6 | 903.6  | 777.7  | 686.2  | 651.9  | 643.4  |
| 10925.6 | 47.5° | 10665.4 | 8869.7  | 2839.3 | 1466.8 | 1106.6 | 800.6  | 663.4  | 586.2  | 560.4  | 546.1  |
| 12798.4 | 50°   | 12366.7 | 10239.3 | 3331.1 | 1381.1 | 1006.5 | 703.4  | 569.0  | 520.4  | 503.2  | 488.9  |
| 15020.1 | 52.5° | 14339.6 | 11629.0 | 3734.3 | 1295.3 | 906.4  | 617.6  | 509.0  | 480.4  | 466.1  | 454.6  |
| 17164.6 | 55°   | 16149.6 | 12586.8 | 3711.4 | 1203.8 | 809.2  | 549.0  | 466.1  | 448.9  | 431.8  | 420.3  |
| 19011.8 | 57.5° | 17276.2 | 12721.2 | 3059.5 | 1103.7 | 697.7  | 494.7  | 426.0  | 414.6  | 394.6  | 380.3  |
| 20610.2 | 60°   | 17793.7 | 11954.9 | 2144.5 | 972.2  | 586.2  | 443.2  | 383.2  | 377.4  | 351.7  | 331.7  |
| 22122.7 | 62.5° | 17888.1 | 10531.0 | 1429.7 | 809.2  | 488.9  | 394.6  | 340.3  | 331.7  | 297.4  | 263.1  |
| 23352.3 | 65°   | 17504.9 | 8495.1  | 989.3  | 631.9  | 417.5  | 343.1  | 291.7  | 274.5  | 237.3  | 203.0  |
| 23643.9 | 67.5° | 16292.5 | 5964.6  | 689.1  | 454.6  | 354.6  | 271.6  | 231.6  | 225.9  | 197.3  | 168.7  |
| 22157.1 | 70°   | 14070.8 | 3399.8  | 460.4  | 340.3  | 280.2  | 185.9  | 183.0  | 188.7  | 160.1  | 137.2  |
| 18102.5 | 72.5° | 10788.3 | 1555.5  | 285.9  | 248.8  | 191.6  | 125.8  | 145.8  | 148.7  | 123.0  | 102.9  |
| 11294.4 | 75°   | 6350.6  | 666.2   | 180.1  | 160.1  | 97.2   | 82.9   | 105.8  | 108.7  | 82.9   | 65.8   |
| 4128.9  | 77.5° | 2161.7  | 251.6   | 114.4  | 94.4   | 48.6   | 45.7   | 68.6   | 68.6   | 45.7   | 25.7   |
| 829.2   | 80°   | 491.8   | 94.4    | 57.2   | 37.2   | 22.9   | 20.0   | 22.9   | 20.0   | 11.4   | 2.9    |
| 254.5   | 82.5° | 140.1   | 37.2    | 22.9   | 14.3   | 8.6    | 8.6    | 2.9    | 0.0    | 0.0    | 0.0    |
| 88.6    | 85°   | 40.0    | 17.2    | 5.7    | 5.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 31.5    | 87.5° | 17.2    | 2.9     | 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°   |
|--------|
| 4589.2 |
| 4191.8 |
| 3537.0 |
| 2725.0 |
| 2001.5 |
| 1724.2 |
| 1675.6 |
| 1627.0 |
| 1575.5 |
| 1526.9 |
| 1478.3 |
| 1429.7 |
| 1378.2 |
| 1309.6 |
| 1218.1 |
| 1078.0 |
| 923.6  |
| 763.4  |
| 631.9  |
| 537.6  |
| 486.1  |
| 451.8  |
| 414.6  |
| 377.4  |
| 326.0  |
| 245.9  |
| 191.6  |
| 160.1  |
| 125.8  |
| 91.5   |
| 57.2   |
| 20.0   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |