

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: P948751

Luminaire Tested: **GLAN-SB3C-950-U-T2U-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948751  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3C-950-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 11946 lumens  
Efficiency: N/A  
Efficacy: 80.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

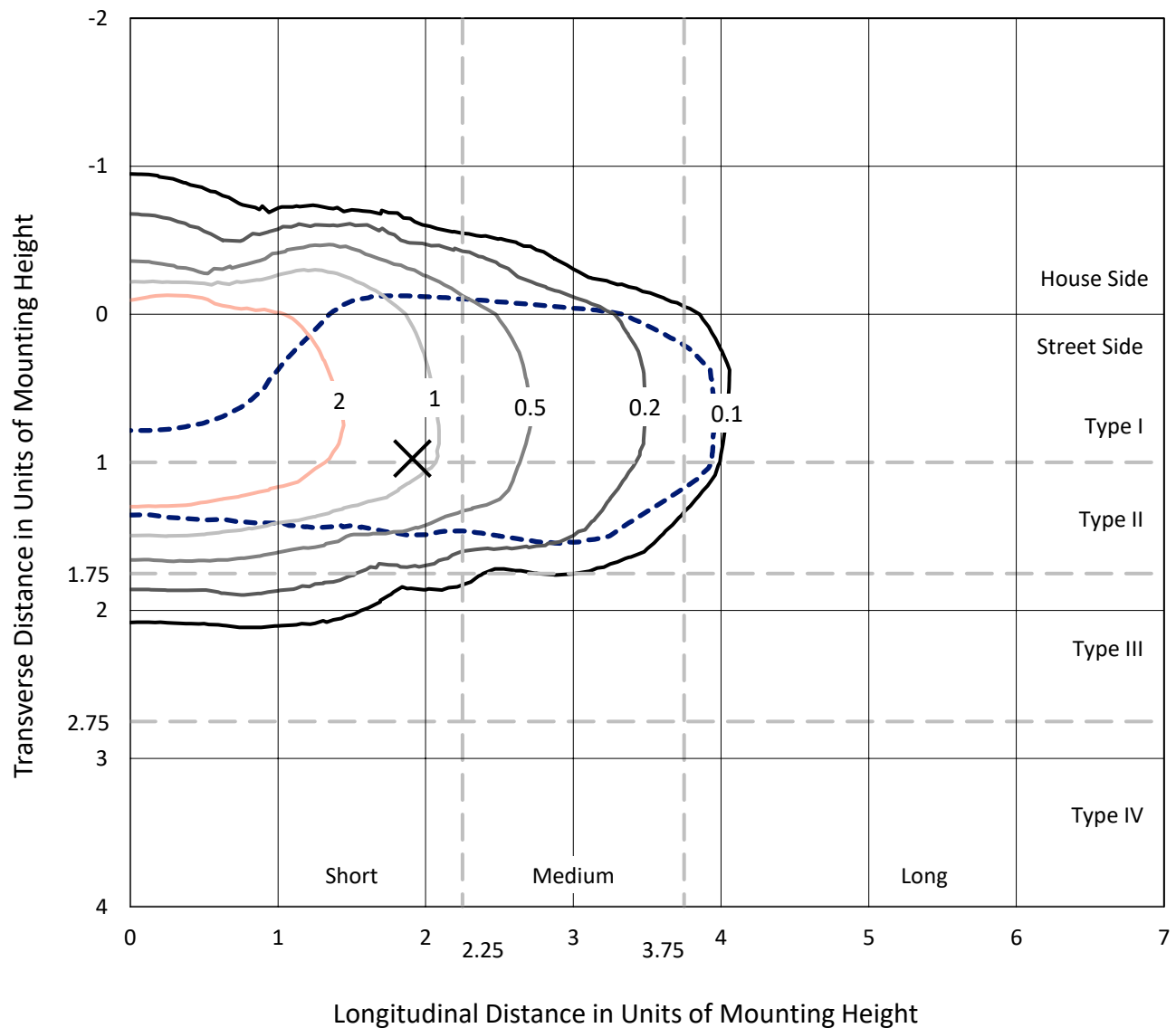
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

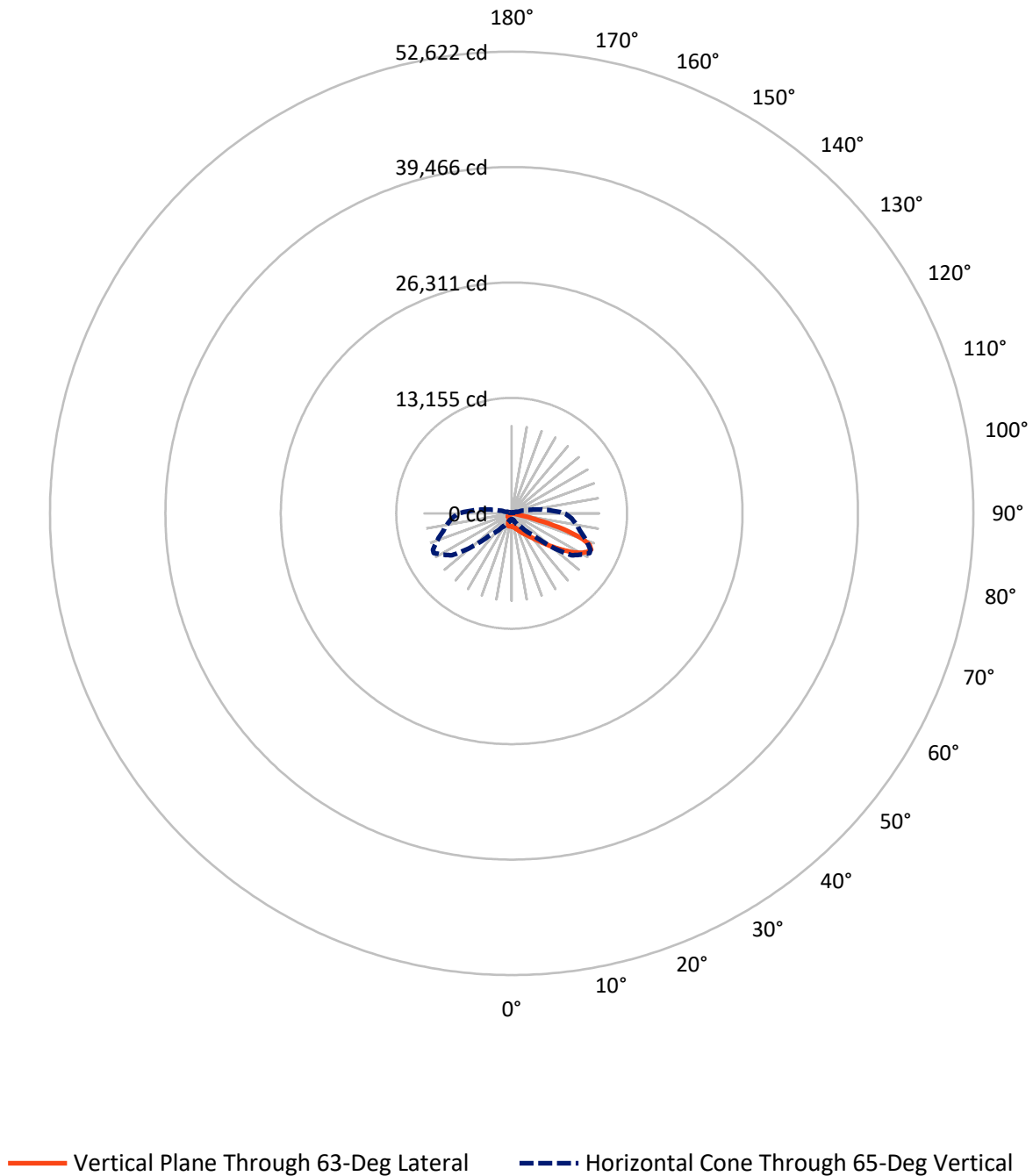
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
Type II - 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    | 1756.0   | 0.0    | 1756.0  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 10190.0  | 0.0    | 10190.0 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 11946.0  | 0.0    | 11946.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 138.9   | 1.2       |
| 10°-20°   | 385.4   | 3.2       |
| 20°-30°   | 671.1   | 5.6       |
| 30°-40°   | 1209.6  | 10.1      |
| 40°-50°   | 2399.1  | 20.1      |
| 50°-60°   | 3268.0  | 27.4      |
| 60°-70°   | 2608.5  | 21.8      |
| 70°-80°   | 1180.4  | 9.9       |
| 80°-90°   | 84.8    | 0.7       |
| 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°    | 11946.0 | 100.0     |
| 0°-180°   | 11946.0 | 100.0     |

**Coefficient of Utilization**



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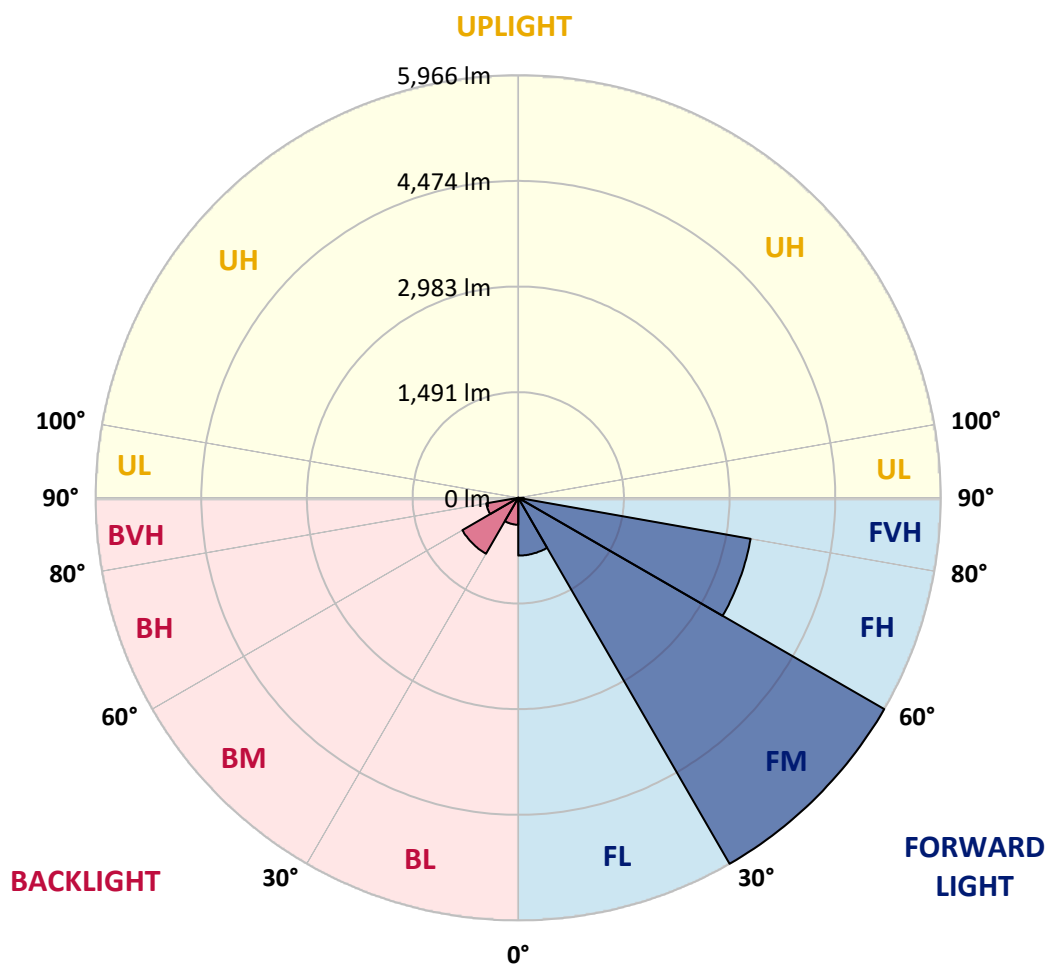
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 815.5  | 6.8       |                         |      |         |
| FM   | (30°-60°)   | 5965.5 | 49.9      |                         |      |         |
| FH   | (60°-80°)   | 3330.5 | 27.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 78.6   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 380.0  | 3.2       | B1/500                  |      |         |
| BM   | (30°-60°)   | 911.2  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 458.4  | 3.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 6.3    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 63°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 |
| 2.5°  | 1508.9 | 1504.8 | 1510.5 | 1508.1 | 1506.4 | 1503.1 | 1501.5 | 1499.8 | 1496.6 | 1494.1 |
| 5°    | 1513.0 | 1510.5 | 1516.3 | 1521.2 | 1526.1 | 1531.1 | 1533.5 | 1536.8 | 1533.5 | 1527.0 |
| 7.5°  | 1478.5 | 1476.8 | 1489.2 | 1503.9 | 1526.1 | 1545.0 | 1565.6 | 1577.1 | 1577.9 | 1575.4 |
| 10°   | 1476.0 | 1471.9 | 1484.2 | 1502.3 | 1531.1 | 1564.8 | 1600.9 | 1625.6 | 1628.9 | 1639.5 |
| 12.5° | 1514.6 | 1510.5 | 1527.8 | 1547.5 | 1577.1 | 1612.4 | 1656.8 | 1691.3 | 1696.3 | 1711.0 |
| 15°   | 1579.6 | 1573.8 | 1593.5 | 1619.0 | 1656.8 | 1697.1 | 1743.9 | 1775.2 | 1779.3 | 1797.3 |
| 17.5° | 1655.2 | 1649.4 | 1672.4 | 1699.5 | 1740.6 | 1795.7 | 1849.9 | 1884.5 | 1889.4 | 1900.9 |
| 20°   | 1752.1 | 1744.7 | 1762.8 | 1787.5 | 1831.0 | 1896.8 | 1961.7 | 2011.0 | 2010.2 | 2010.2 |
| 22.5° | 1864.7 | 1853.2 | 1868.8 | 1888.6 | 1929.7 | 2009.4 | 2095.7 | 2154.0 | 2154.0 | 2131.0 |
| 25°   | 1985.5 | 1974.0 | 1991.3 | 2009.4 | 2045.5 | 2135.9 | 2237.0 | 2309.3 | 2312.6 | 2273.2 |
| 27.5° | 2136.8 | 2122.0 | 2135.1 | 2156.5 | 2177.8 | 2269.9 | 2389.9 | 2473.7 | 2475.4 | 2414.5 |
| 30°   | 2427.7 | 2385.8 | 2344.7 | 2321.7 | 2331.5 | 2422.8 | 2551.0 | 2643.8 | 2652.0 | 2568.2 |
| 32.5° | 2960.2 | 2952.0 | 2807.4 | 2618.3 | 2519.7 | 2587.1 | 2730.9 | 2842.7 | 2847.6 | 2740.0 |
| 35°   | 3787.8 | 3778.0 | 3545.4 | 3185.4 | 2864.1 | 2807.4 | 2949.5 | 3081.9 | 3078.6 | 2956.9 |
| 37.5° | 4775.7 | 4766.6 | 4460.1 | 3978.5 | 3458.3 | 3140.2 | 3231.4 | 3370.3 | 3390.9 | 3231.4 |
| 40°   | 5619.7 | 5586.0 | 5392.0 | 4927.7 | 4247.2 | 3692.5 | 3632.5 | 3724.5 | 3745.9 | 3556.9 |
| 42.5° | 6259.1 | 6230.3 | 6131.7 | 5841.6 | 5202.2 | 4509.4 | 4105.0 | 4140.4 | 4164.2 | 3937.4 |
| 45°   | 6590.3 | 6583.7 | 6623.1 | 6596.0 | 6175.2 | 5512.0 | 4780.6 | 4633.5 | 4642.5 | 4359.0 |
| 47.5° | 6637.1 | 6633.8 | 6813.8 | 7068.6 | 7011.8 | 6642.8 | 5647.6 | 5248.2 | 5216.2 | 4834.8 |
| 50°   | 6361.0 | 6354.4 | 6699.6 | 7177.0 | 7570.7 | 7592.9 | 6632.2 | 5941.0 | 5870.3 | 5327.1 |
| 52.5° | 5479.1 | 5477.5 | 6044.6 | 6839.3 | 7767.1 | 8424.6 | 7605.2 | 6702.0 | 6583.7 | 5848.1 |
| 55°   | 4216.0 | 4246.4 | 4896.5 | 5835.8 | 7408.8 | 8824.8 | 8478.8 | 7546.9 | 7365.2 | 6372.5 |
| 57.5° | 2986.5 | 3030.9 | 3673.6 | 4510.2 | 6297.7 | 8588.1 | 9069.7 | 8393.3 | 8197.7 | 6895.1 |
| 60°   | 1604.2 | 1643.7 | 2287.2 | 3285.7 | 4685.2 | 7705.5 | 9381.2 | 9128.1 | 8943.1 | 7391.5 |
| 62.5° | 955.8  | 968.9  | 1235.2 | 2121.1 | 3169.0 | 5886.8 | 9248.9 | 9687.7 | 9535.7 | 7808.2 |
| 65°   | 686.2  | 688.7  | 822.7  | 1295.2 | 1923.9 | 3576.6 | 8321.0 | 9955.6 | 9908.8 | 8122.1 |
| 67.5° | 577.7  | 576.1  | 632.0  | 860.5  | 1310.8 | 1791.6 | 6377.4 | 9576.8 | 9775.7 | 8321.0 |
| 70°   | 495.6  | 498.0  | 563.8  | 630.3  | 985.4  | 1014.1 | 3170.6 | 8338.3 | 8762.3 | 8373.6 |
| 72.5° | 369.0  | 377.2  | 438.0  | 574.5  | 743.8  | 697.7  | 1094.7 | 6182.6 | 6949.4 | 7889.6 |
| 75°   | 260.5  | 264.6  | 308.2  | 483.2  | 554.7  | 507.9  | 558.8  | 3196.1 | 4179.0 | 6048.7 |
| 77.5° | 200.5  | 207.9  | 233.4  | 337.8  | 546.5  | 356.7  | 341.9  | 1106.2 | 1699.5 | 3653.9 |
| 80°   | 108.5  | 121.6  | 168.5  | 244.1  | 383.8  | 252.3  | 169.3  | 440.5  | 576.1  | 1708.6 |
| 82.5° | 55.9   | 62.5   | 117.5  | 175.9  | 218.6  | 220.3  | 83.8   | 183.3  | 237.5  | 527.6  |
| 85°   | 22.2   | 27.1   | 78.9   | 97.0   | 112.6  | 108.5  | 37.8   | 74.0   | 85.5   | 146.3  |
| 87.5° | 4.9    | 8.2    | 28.8   | 22.2   | 21.4   | 23.0   | 9.0    | 17.3   | 16.4   | 17.3   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1474.4 | 0°    | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 |
| 1484.2 | 2.5°  | 1483.4 | 1480.1 | 1471.1 | 1461.2 | 1449.7 | 1443.1 | 1439.0 | 1438.2 | 1432.4 | 1428.3 |
| 1517.1 | 5°    | 1508.1 | 1504.8 | 1487.5 | 1467.0 | 1444.8 | 1427.5 | 1411.1 | 1396.3 | 1374.9 | 1370.8 |
| 1564.8 | 7.5°  | 1557.4 | 1548.3 | 1520.4 | 1492.4 | 1450.5 | 1400.4 | 1339.6 | 1269.7 | 1207.3 | 1188.4 |
| 1628.0 | 10°   | 1618.2 | 1605.9 | 1570.5 | 1521.2 | 1428.3 | 1291.9 | 1144.8 | 1008.4 | 899.9  | 869.5  |
| 1702.8 | 12.5° | 1687.2 | 1676.5 | 1629.7 | 1538.5 | 1335.5 | 1088.1 | 862.9  | 693.6  | 588.4  | 562.1  |
| 1782.5 | 15°   | 1769.4 | 1753.8 | 1688.9 | 1512.2 | 1169.5 | 826.8  | 592.5  | 492.3  | 454.5  | 449.5  |
| 1873.8 | 17.5° | 1856.5 | 1831.0 | 1741.5 | 1417.7 | 945.9  | 587.6  | 457.8  | 429.0  | 412.6  | 407.6  |
| 1965.8 | 20°   | 1936.2 | 1903.4 | 1772.7 | 1274.7 | 706.8  | 457.8  | 410.1  | 391.2  | 376.4  | 370.6  |
| 2057.9 | 22.5° | 2015.9 | 1969.1 | 1772.7 | 1079.9 | 530.1  | 406.0  | 376.4  | 359.1  | 341.9  | 334.5  |
| 2156.5 | 25°   | 2099.0 | 2036.5 | 1741.5 | 862.9  | 426.5  | 372.3  | 344.3  | 325.4  | 310.7  | 301.6  |
| 2250.2 | 27.5° | 2179.5 | 2093.2 | 1670.0 | 657.5  | 379.7  | 342.7  | 314.8  | 296.7  | 282.7  | 276.1  |
| 2352.1 | 30°   | 2255.9 | 2149.1 | 1569.7 | 498.9  | 349.3  | 313.9  | 287.6  | 272.0  | 258.1  | 251.5  |
| 2484.4 | 32.5° | 2359.5 | 2219.8 | 1462.9 | 409.3  | 323.0  | 286.8  | 263.0  | 248.2  | 235.9  | 230.9  |
| 2656.2 | 35°   | 2503.3 | 2324.1 | 1370.8 | 401.9  | 300.8  | 264.6  | 240.8  | 226.8  | 214.5  | 210.4  |
| 2878.0 | 37.5° | 2707.1 | 2492.6 | 1322.3 | 451.2  | 282.7  | 244.9  | 222.7  | 207.9  | 196.4  | 193.1  |
| 3159.9 | 40°   | 2958.6 | 2721.1 | 1348.6 | 500.5  | 270.4  | 227.6  | 206.3  | 191.5  | 181.6  | 177.5  |
| 3483.7 | 42.5° | 3256.9 | 3003.0 | 1494.1 | 538.3  | 262.2  | 212.9  | 190.7  | 174.2  | 167.7  | 166.0  |
| 3851.1 | 45°   | 3599.6 | 3312.8 | 1716.8 | 578.6  | 249.0  | 198.9  | 175.0  | 162.7  | 157.8  | 157.0  |
| 4250.5 | 47.5° | 3989.2 | 3653.0 | 1974.9 | 628.7  | 235.9  | 185.7  | 162.7  | 154.5  | 150.4  | 148.8  |
| 4667.2 | 50°   | 4375.4 | 3995.7 | 2240.3 | 656.6  | 225.2  | 173.4  | 152.9  | 146.3  | 143.0  | 142.2  |
| 5107.7 | 52.5° | 4779.8 | 4348.3 | 2454.8 | 630.3  | 216.1  | 163.5  | 144.6  | 139.7  | 136.4  | 135.6  |
| 5513.7 | 55°   | 5165.2 | 4633.5 | 2491.8 | 535.0  | 198.1  | 153.7  | 135.6  | 133.1  | 129.0  | 129.0  |
| 5925.4 | 57.5° | 5497.2 | 4776.5 | 2230.4 | 392.8  | 180.0  | 138.9  | 126.6  | 124.1  | 120.8  | 120.0  |
| 6296.9 | 60°   | 5802.1 | 4735.4 | 1721.7 | 264.6  | 160.3  | 124.1  | 115.1  | 113.4  | 110.1  | 106.0  |
| 6619.8 | 62.5° | 5973.9 | 4554.6 | 1177.7 | 172.6  | 140.5  | 108.5  | 101.9  | 101.1  | 93.7   | 85.5   |
| 6859.0 | 65°   | 6038.8 | 4183.1 | 734.7  | 125.7  | 117.5  | 92.9   | 87.9   | 86.3   | 75.6   | 66.6   |
| 6994.6 | 67.5° | 5982.1 | 3571.7 | 370.6  | 99.4   | 92.9   | 77.3   | 72.3   | 72.3   | 64.9   | 56.7   |
| 6986.4 | 70°   | 5755.3 | 2677.5 | 156.1  | 79.7   | 71.5   | 59.2   | 59.2   | 62.5   | 55.1   | 46.0   |
| 6623.9 | 72.5° | 5263.0 | 1801.5 | 83.0   | 60.8   | 53.4   | 41.9   | 48.5   | 51.0   | 43.6   | 34.5   |
| 5421.6 | 75°   | 4183.9 | 1098.8 | 57.5   | 45.2   | 33.7   | 29.6   | 37.0   | 38.6   | 29.6   | 23.0   |
| 3717.1 | 77.5° | 2861.6 | 631.2  | 38.6   | 28.8   | 21.4   | 17.3   | 25.5   | 23.8   | 15.6   | 10.7   |
| 1433.3 | 80°   | 1256.6 | 263.0  | 22.2   | 13.1   | 8.2    | 6.6    | 9.0    | 6.6    | 4.9    | 3.3    |
| 196.4  | 82.5° | 147.1  | 61.6   | 8.2    | 4.9    | 3.3    | 1.6    | 0.8    | 0.0    | 0.0    | 0.0    |
| 60.0   | 85°   | 30.4   | 7.4    | 4.1    | 1.6    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 10.7   | 87.5° | 5.8    | 1.6    | 0.8    | 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°   |
|--------|
| 1474.4 |
| 1432.4 |
| 1369.2 |
| 1179.3 |
| 858.0  |
| 554.7  |
| 444.6  |
| 405.2  |
| 367.4  |
| 330.4  |
| 298.3  |
| 276.1  |
| 252.3  |
| 230.9  |
| 210.4  |
| 192.3  |
| 176.7  |
| 166.0  |
| 156.1  |
| 148.8  |
| 142.2  |
| 135.6  |
| 128.2  |
| 119.2  |
| 105.2  |
| 83.8   |
| 65.7   |
| 55.9   |
| 45.2   |
| 34.5   |
| 22.2   |
| 11.5   |
| 3.3    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |