

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: P945410

Luminaire Tested: **GLAN-SB1B-840-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945410
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-840-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4562 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

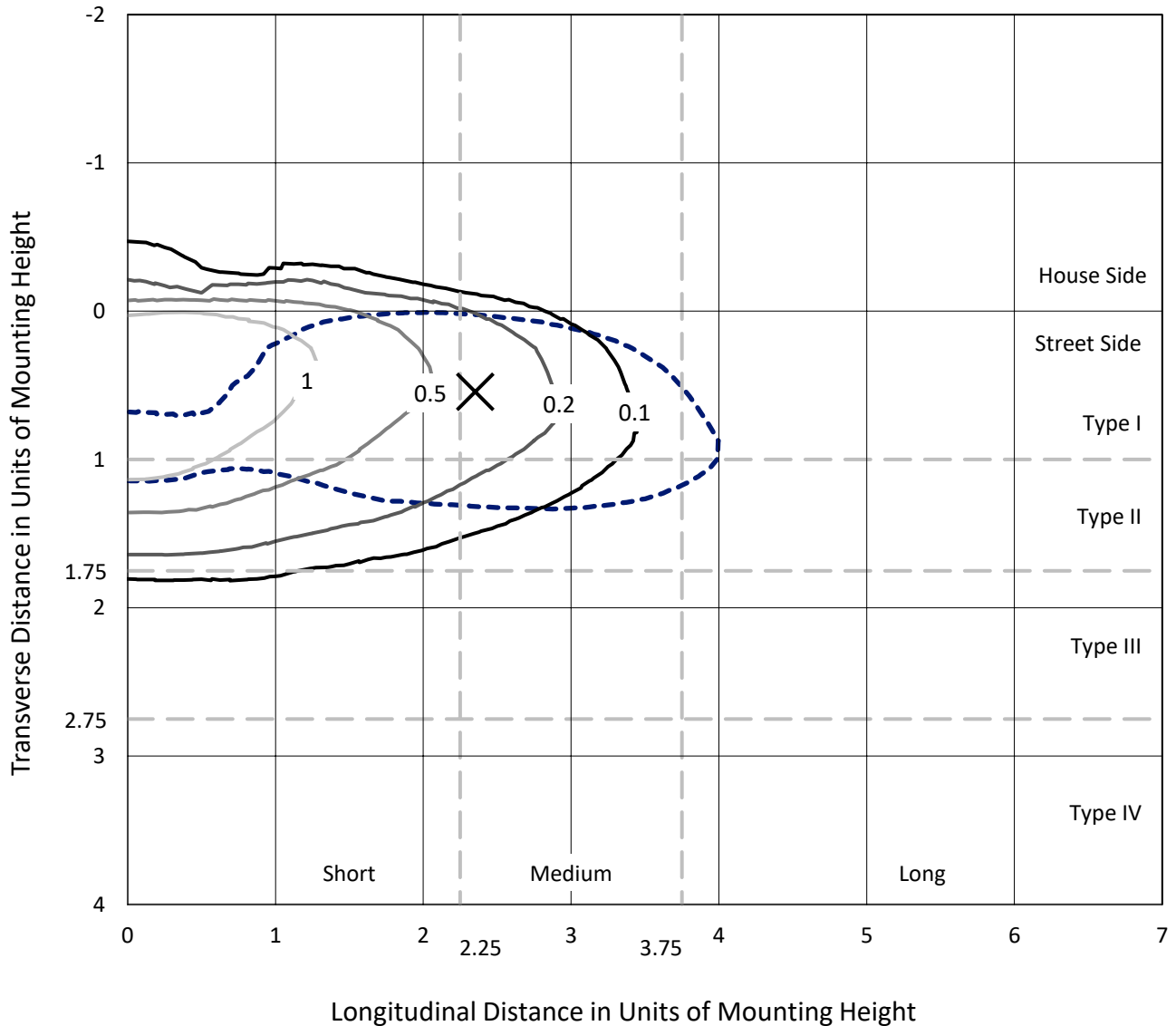
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

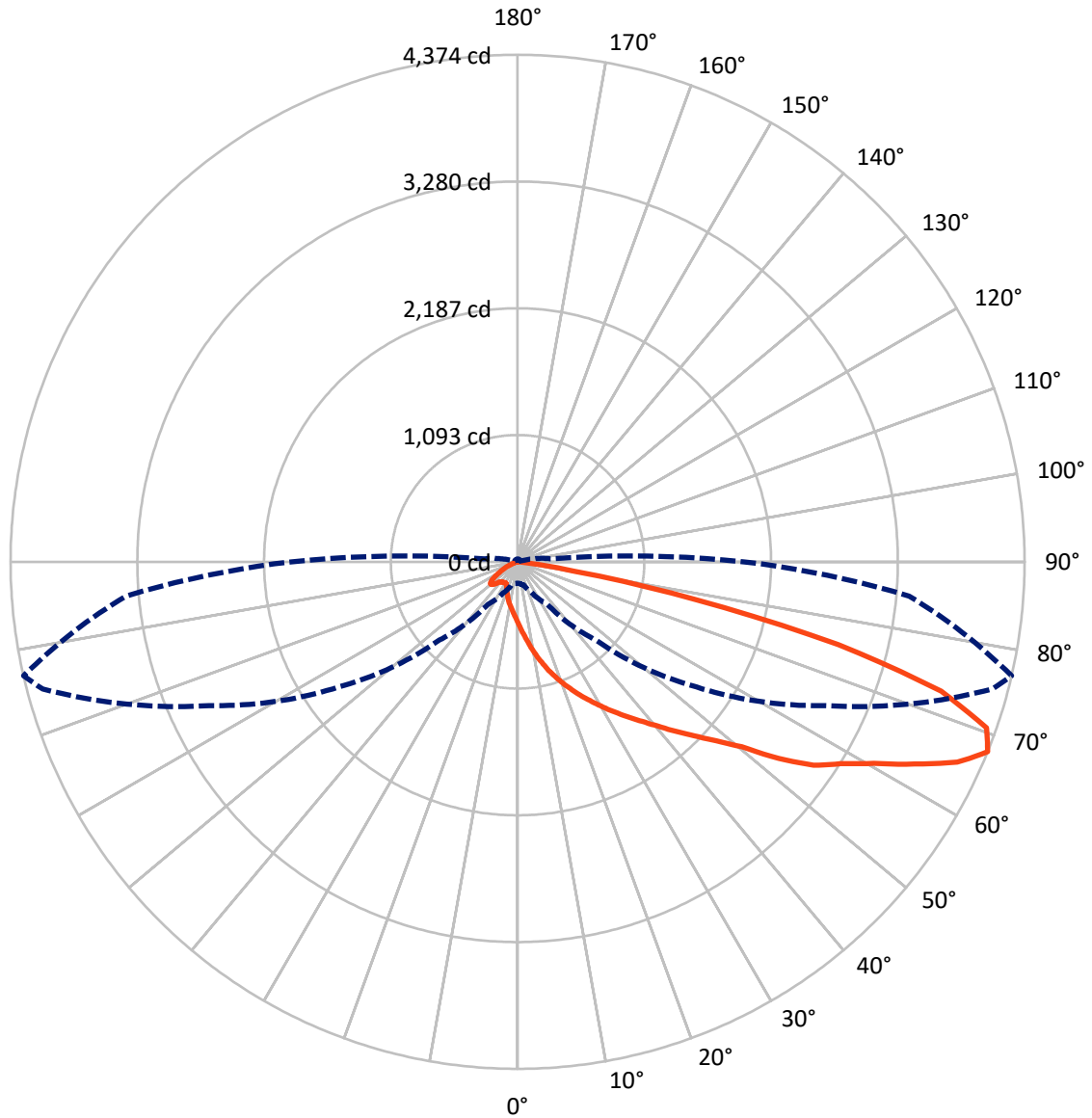
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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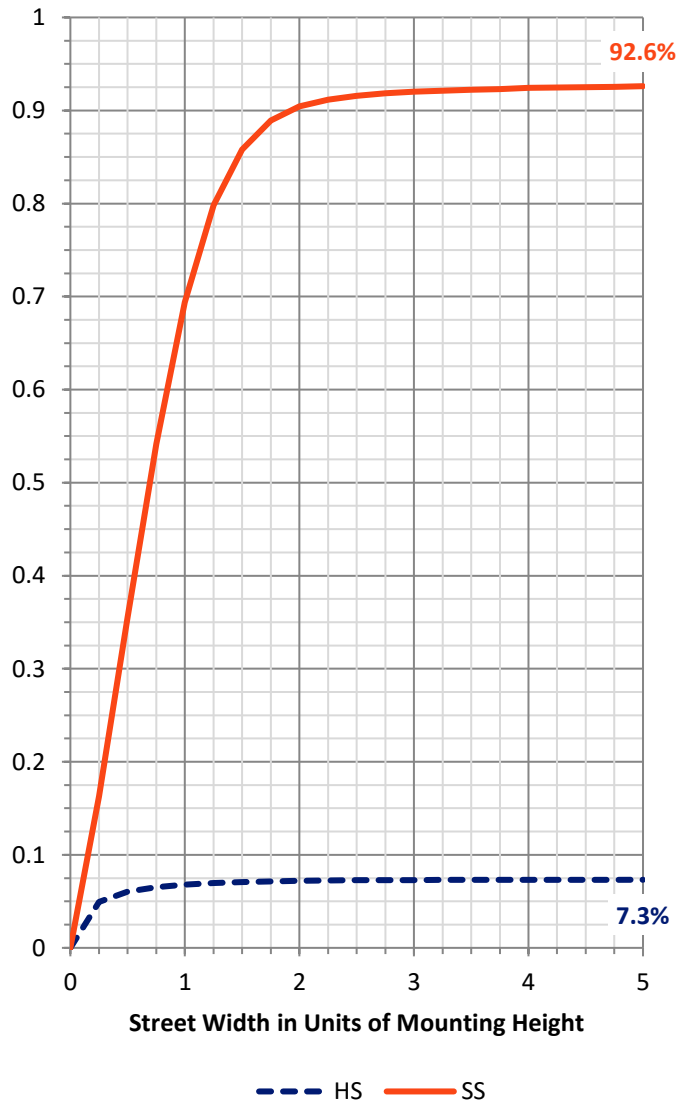
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 335.6 | 0.0 | 335.6 |
| | % Fixture | 7.4 | 0.0 | 7.4 |
| Street Side | Lumens | 4226.4 | 0.0 | 4226.4 |
| | % Fixture | 92.6 | 0.0 | 92.6 |
| Total | Lumens | 4562.0 | 0.0 | 4562.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 53.7 | 1.2 |
| 10°-20° | 188.0 | 4.1 |
| 20°-30° | 362.8 | 8.0 |
| 30°-40° | 629.9 | 13.8 |
| 40°-50° | 914.6 | 20.0 |
| 50°-60° | 1050.3 | 23.0 |
| 60°-70° | 911.9 | 20.0 |
| 70°-80° | 429.5 | 9.4 |
| 80°-90° | 21.2 | 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° | 4562.0 | 100.0 |
| 0°-180° | 4562.0 | 100.0 |

Coefficient of Utilization

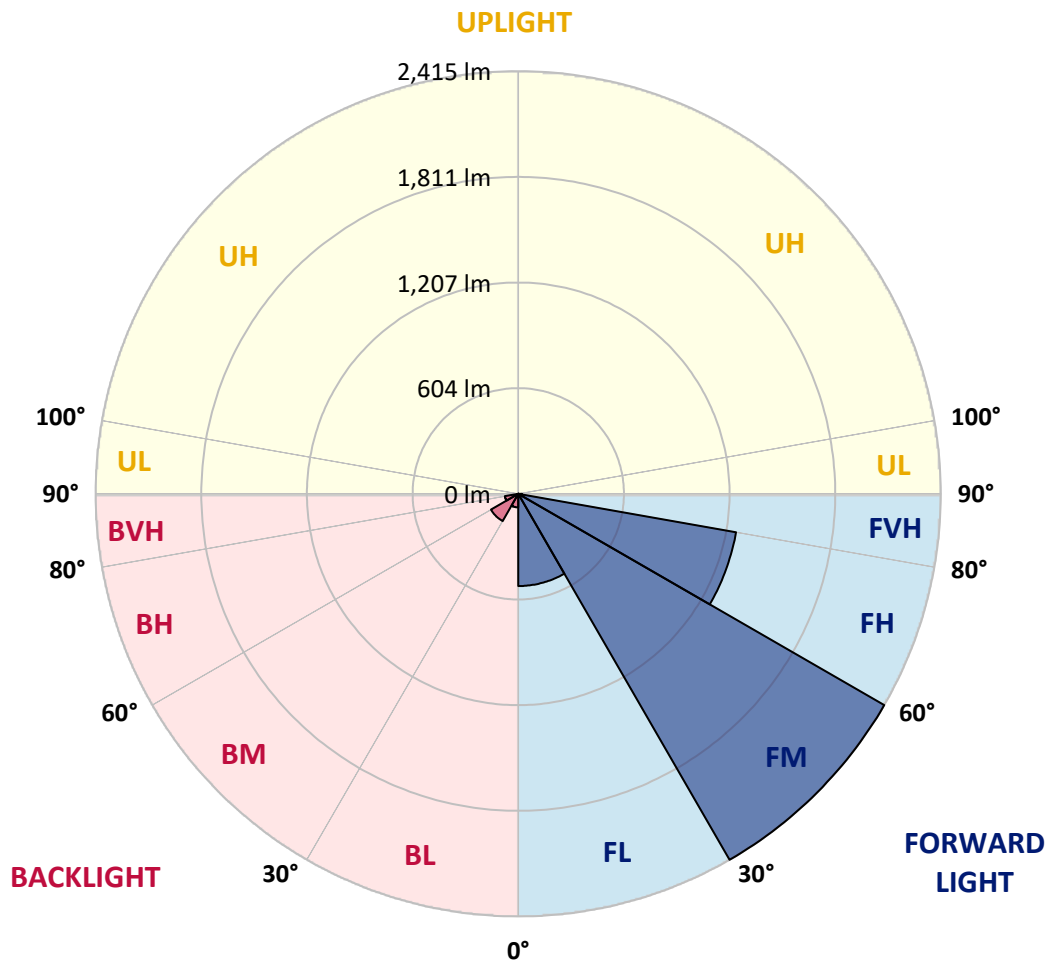


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 526.9 | 11.5 | | | |
| FM (30°-60°) | 2415.0 | 52.9 | | | |
| FH (60°-80°) | 1263.7 | 27.7 | | | G1/1800 |
| FVH (80°-90°) | 20.8 | 0.5 | | | G1/100 |
| BL (0°-30°) | 77.7 | 1.7 | B0/110 | | |
| BM (30°-60°) | 179.8 | 3.9 | B0/220 | | |
| BH (60°-80°) | 77.7 | 1.7 | B0/110 | | G0/110 |
| BVH (80°-90°) | 0.4 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 77° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 526.1 | 526.1 | 526.1 | 526.1 | 526.1 | 526.1 | 526.1 | 526.1 | 526.1 | 526.1 |
| 2.5° | 728.3 | 732.9 | 726.4 | 713.9 | 695.2 | 683.0 | 653.3 | 625.2 | 594.1 | 584.1 |
| 5° | 887.8 | 891.8 | 884.4 | 870.8 | 845.9 | 822.1 | 783.0 | 724.4 | 663.5 | 643.9 |
| 7.5° | 1006.0 | 1008.2 | 1005.4 | 992.9 | 969.1 | 942.2 | 898.6 | 829.2 | 738.8 | 717.3 |
| 10° | 1090.9 | 1098.3 | 1097.5 | 1092.6 | 1076.8 | 1055.0 | 1008.5 | 929.5 | 823.2 | 795.5 |
| 12.5° | 1147.3 | 1155.5 | 1160.3 | 1171.1 | 1170.3 | 1156.4 | 1115.6 | 1032.0 | 907.4 | 874.8 |
| 15° | 1163.7 | 1172.5 | 1190.9 | 1215.9 | 1238.0 | 1245.1 | 1216.4 | 1132.6 | 1000.0 | 958.4 |
| 17.5° | 1154.4 | 1168.0 | 1190.1 | 1229.5 | 1277.9 | 1309.9 | 1306.8 | 1229.8 | 1084.1 | 1036.6 |
| 20° | 1175.1 | 1188.1 | 1205.4 | 1238.5 | 1294.9 | 1353.0 | 1376.2 | 1322.7 | 1167.7 | 1117.9 |
| 22.5° | 1289.5 | 1287.3 | 1289.0 | 1294.3 | 1328.1 | 1385.6 | 1433.4 | 1407.1 | 1250.4 | 1199.4 |
| 25° | 1470.8 | 1460.6 | 1443.4 | 1414.2 | 1405.7 | 1433.4 | 1483.3 | 1481.9 | 1337.7 | 1283.0 |
| 27.5° | 1678.8 | 1677.1 | 1636.6 | 1566.3 | 1526.6 | 1515.9 | 1539.7 | 1554.7 | 1424.1 | 1365.7 |
| 30° | 1877.9 | 1882.4 | 1827.8 | 1749.6 | 1676.8 | 1634.6 | 1613.0 | 1623.8 | 1511.9 | 1455.0 |
| 32.5° | 2051.3 | 2056.1 | 1996.6 | 1905.1 | 1815.0 | 1764.0 | 1718.7 | 1692.1 | 1607.7 | 1545.6 |
| 35° | 2197.7 | 2202.6 | 2134.3 | 2033.2 | 1937.1 | 1890.9 | 1839.7 | 1766.9 | 1704.0 | 1646.2 |
| 37.5° | 2328.6 | 2327.2 | 2235.7 | 2133.7 | 2039.4 | 2002.8 | 1975.9 | 1858.9 | 1803.1 | 1747.3 |
| 40° | 2406.0 | 2411.9 | 2333.7 | 2221.3 | 2129.8 | 2103.1 | 2101.4 | 1973.1 | 1917.6 | 1863.5 |
| 42.5° | 2428.6 | 2439.1 | 2382.5 | 2290.1 | 2207.1 | 2178.2 | 2222.7 | 2096.6 | 2050.7 | 1998.0 |
| 45° | 2387.8 | 2398.0 | 2372.3 | 2308.2 | 2259.8 | 2241.1 | 2326.9 | 2224.7 | 2192.9 | 2140.8 |
| 47.5° | 2268.9 | 2281.6 | 2287.8 | 2274.2 | 2273.7 | 2292.6 | 2420.4 | 2359.5 | 2361.8 | 2308.5 |
| 50° | 2038.5 | 2060.1 | 2117.3 | 2165.5 | 2240.0 | 2333.4 | 2511.3 | 2505.7 | 2552.1 | 2506.2 |
| 52.5° | 1619.8 | 1650.4 | 1847.6 | 1979.3 | 2146.8 | 2325.8 | 2611.3 | 2740.2 | 2886.1 | 2819.0 |
| 55° | 1301.7 | 1301.7 | 1462.0 | 1708.5 | 1964.9 | 2275.4 | 2655.0 | 2892.7 | 3113.6 | 3097.8 |
| 57.5° | 1061.2 | 1073.9 | 1176.2 | 1394.1 | 1701.7 | 2155.3 | 2681.9 | 2988.4 | 3296.9 | 3285.3 |
| 60° | 655.0 | 682.4 | 875.6 | 1090.7 | 1402.3 | 1941.4 | 2664.9 | 3085.3 | 3519.3 | 3528.6 |
| 62.5° | 368.8 | 379.0 | 465.2 | 784.7 | 1090.4 | 1653.8 | 2534.9 | 3139.4 | 3803.7 | 3843.4 |
| 65° | 254.7 | 259.8 | 292.9 | 488.4 | 755.8 | 1316.7 | 2280.8 | 3105.7 | 4088.7 | 4168.9 |
| 67.5° | 185.0 | 187.5 | 208.2 | 298.3 | 448.4 | 954.7 | 1882.4 | 2935.7 | 4239.7 | 4373.7 |
| 70° | 142.2 | 143.9 | 158.9 | 196.0 | 264.9 | 589.2 | 1367.1 | 2597.8 | 4130.3 | 4290.4 |
| 72.5° | 115.6 | 117.3 | 128.9 | 145.0 | 175.6 | 348.4 | 828.6 | 2109.6 | 3647.6 | 3820.4 |
| 75° | 97.5 | 99.7 | 110.2 | 120.7 | 137.7 | 223.8 | 388.7 | 1469.1 | 2743.1 | 2856.4 |
| 77.5° | 54.1 | 49.9 | 89.5 | 100.0 | 116.1 | 141.6 | 181.9 | 864.6 | 1536.3 | 1567.7 |
| 80° | 33.7 | 34.8 | 71.1 | 80.5 | 89.2 | 71.4 | 83.3 | 332.9 | 532.6 | 506.0 |
| 82.5° | 2.0 | 4.5 | 54.7 | 58.1 | 61.2 | 30.6 | 31.4 | 113.0 | 128.3 | 117.8 |
| 85° | 0.0 | 0.0 | 24.9 | 20.1 | 21.2 | 8.8 | 9.1 | 26.3 | 17.3 | 18.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.8 | 1.7 | 2.3 | 0.8 | 1.1 |
| 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° |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 526.1 | 0° | 526.1 | 526.1 | 526.1 | 526.1 | 526.1 | 526.1 | 526.1 | 526.1 | 526.1 | 526.1 |
| 553.0 | 2.5° | 533.1 | 513.3 | 473.1 | 433.7 | 401.7 | 372.0 | 350.7 | 330.6 | 320.4 | 319.8 |
| 588.7 | 5° | 549.3 | 507.7 | 427.2 | 356.1 | 298.9 | 253.0 | 223.2 | 202.0 | 191.2 | 187.5 |
| 632.6 | 7.5° | 572.0 | 509.4 | 387.0 | 288.1 | 220.7 | 181.3 | 164.3 | 157.5 | 155.2 | 152.7 |
| 682.2 | 10° | 600.6 | 513.3 | 351.0 | 232.0 | 173.9 | 154.1 | 147.3 | 144.5 | 142.8 | 141.1 |
| 738.0 | 12.5° | 632.6 | 517.0 | 315.3 | 192.6 | 153.0 | 142.8 | 138.0 | 134.6 | 132.3 | 130.3 |
| 795.2 | 15° | 663.7 | 519.3 | 278.2 | 165.2 | 142.2 | 134.0 | 128.9 | 125.2 | 122.1 | 119.8 |
| 851.3 | 17.5° | 694.6 | 522.4 | 243.3 | 148.7 | 133.4 | 125.2 | 120.1 | 115.6 | 113.0 | 110.5 |
| 910.2 | 20° | 728.9 | 521.8 | 210.5 | 137.1 | 124.6 | 116.4 | 111.0 | 106.8 | 104.2 | 101.4 |
| 972.5 | 22.5° | 760.6 | 519.0 | 181.6 | 127.2 | 115.6 | 107.6 | 101.7 | 97.5 | 94.9 | 92.6 |
| 1036.3 | 25° | 797.2 | 516.7 | 157.5 | 118.1 | 107.1 | 99.2 | 92.6 | 88.7 | 85.8 | 83.9 |
| 1100.3 | 27.5° | 832.3 | 513.3 | 139.9 | 109.9 | 98.9 | 91.2 | 85.0 | 80.5 | 77.9 | 76.5 |
| 1166.3 | 30° | 866.9 | 512.5 | 133.4 | 102.0 | 91.5 | 83.9 | 77.6 | 73.4 | 71.4 | 70.8 |
| 1238.8 | 32.5° | 908.5 | 514.7 | 136.3 | 99.2 | 84.7 | 77.1 | 71.1 | 68.0 | 66.0 | 66.0 |
| 1319.6 | 35° | 953.0 | 514.2 | 140.5 | 101.7 | 80.2 | 70.3 | 65.7 | 63.7 | 61.8 | 61.8 |
| 1409.1 | 37.5° | 1008.8 | 515.0 | 143.9 | 105.9 | 78.5 | 64.6 | 62.0 | 59.5 | 58.4 | 58.4 |
| 1507.1 | 40° | 1092.1 | 543.1 | 142.2 | 109.6 | 77.9 | 60.6 | 55.5 | 54.7 | 53.8 | 53.8 |
| 1617.9 | 42.5° | 1194.1 | 604.0 | 144.5 | 109.9 | 77.6 | 57.8 | 51.0 | 52.7 | 50.7 | 50.4 |
| 1742.8 | 45° | 1305.7 | 670.5 | 158.9 | 104.0 | 77.3 | 56.4 | 48.7 | 50.7 | 47.6 | 47.6 |
| 1887.5 | 47.5° | 1416.4 | 736.5 | 173.7 | 95.5 | 76.5 | 56.1 | 46.7 | 45.6 | 44.8 | 45.0 |
| 2076.2 | 50° | 1569.1 | 790.4 | 179.3 | 83.9 | 74.5 | 55.5 | 43.1 | 43.3 | 42.8 | 43.3 |
| 2342.2 | 52.5° | 1735.4 | 801.7 | 172.5 | 70.8 | 68.8 | 53.8 | 40.5 | 41.6 | 41.4 | 41.9 |
| 2529.5 | 55° | 1839.1 | 789.5 | 142.5 | 58.9 | 60.1 | 47.0 | 38.0 | 40.2 | 40.2 | 40.2 |
| 2712.5 | 57.5° | 1946.2 | 737.7 | 101.1 | 47.9 | 49.9 | 38.5 | 35.7 | 38.8 | 38.5 | 38.2 |
| 2932.9 | 60° | 2023.2 | 653.8 | 66.6 | 39.4 | 39.7 | 31.7 | 33.1 | 36.5 | 36.3 | 34.8 |
| 3160.1 | 62.5° | 2080.7 | 561.2 | 42.8 | 33.4 | 30.3 | 28.6 | 30.3 | 33.1 | 32.0 | 28.9 |
| 3352.7 | 65° | 2074.2 | 432.9 | 32.9 | 28.6 | 24.9 | 24.9 | 26.3 | 28.9 | 25.5 | 20.4 |
| 3389.5 | 67.5° | 1953.3 | 292.9 | 27.2 | 24.1 | 21.0 | 20.7 | 21.8 | 24.1 | 21.8 | 17.3 |
| 3200.9 | 70° | 1737.1 | 191.5 | 21.8 | 18.7 | 16.7 | 15.3 | 17.6 | 20.7 | 18.4 | 13.9 |
| 2724.9 | 72.5° | 1409.9 | 116.7 | 16.4 | 13.6 | 12.2 | 9.9 | 13.9 | 17.0 | 14.7 | 10.2 |
| 1894.9 | 75° | 912.2 | 59.5 | 11.3 | 8.8 | 6.5 | 5.9 | 10.2 | 12.7 | 10.2 | 6.2 |
| 840.8 | 77.5° | 349.0 | 24.9 | 6.2 | 4.0 | 3.4 | 2.8 | 5.7 | 7.6 | 4.2 | 1.4 |
| 162.9 | 80° | 67.1 | 10.5 | 3.1 | 2.0 | 1.7 | 1.1 | 0.8 | 0.6 | 0.0 | 0.0 |
| 28.9 | 82.5° | 11.6 | 3.4 | 1.1 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5.7 | 85° | 4.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.0 | 87.5° | 1.4 | 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° |
| 526.1 |
| 319.3 |
| 187.0 |
| 152.1 |
| 140.5 |
| 129.7 |
| 119.5 |
| 110.2 |
| 101.1 |
| 92.4 |
| 83.6 |
| 76.5 |
| 70.5 |
| 66.0 |
| 61.8 |
| 58.4 |
| 53.8 |
| 50.1 |
| 47.6 |
| 45.0 |
| 43.3 |
| 41.9 |
| 40.2 |
| 38.2 |
| 34.8 |
| 28.3 |
| 19.8 |
| 16.7 |
| 13.3 |
| 9.6 |
| 5.4 |
| 1.1 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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