

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: P945279

Luminaire Tested: **GLAN-SB1B-740-U-SL3**

Issue Date: 1/21/2025

#### Test Information

Test Method: LM-79-08  
Report Number: P945279  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-740-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

#### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 5824 lumens  
Efficiency: N/A  
Efficacy: 146.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

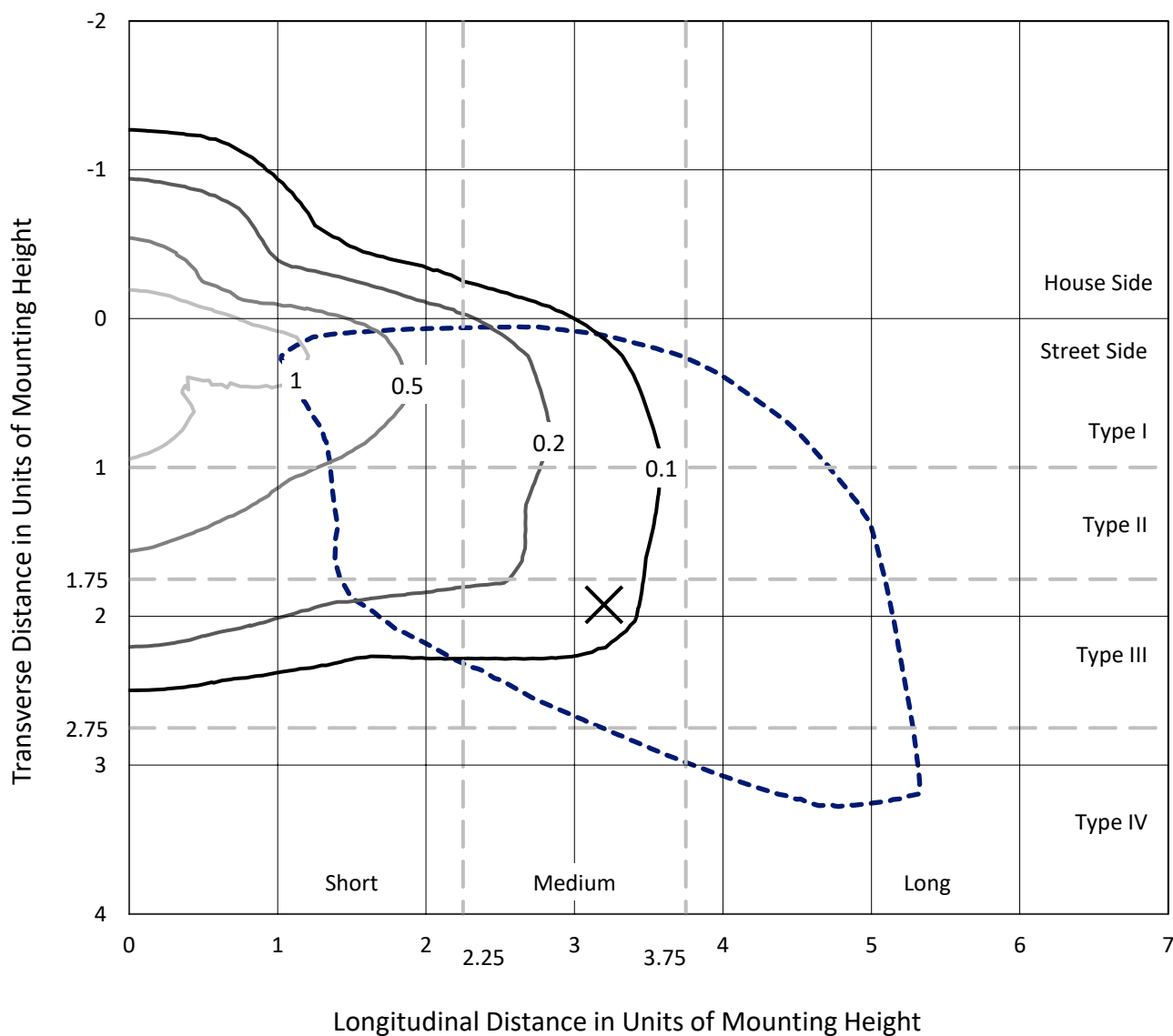
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

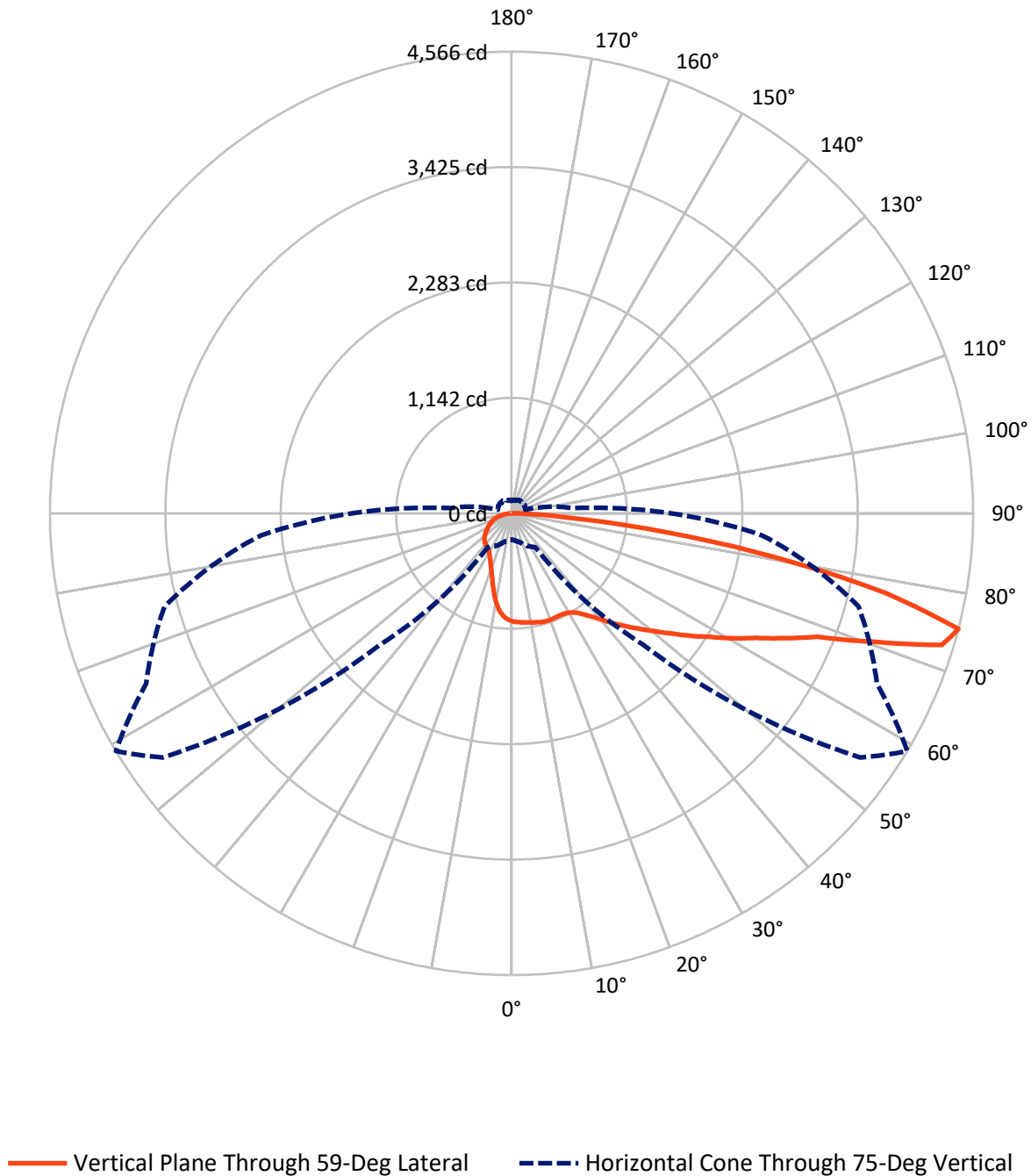
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type IV - 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    | 1092.3   | 0.0    | 1092.3 |
|                    | % Fixture | 18.8     | 0.0    | 18.8   |
| <b>Street Side</b> | Lumens    | 4731.7   | 0.0    | 4731.7 |
|                    | % Fixture | 81.2     | 0.0    | 81.2   |
| <b>Total</b>       | Lumens    | 5824.0   | 0.0    | 5824.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 95.9   | 1.6       |
| 10°-20°   | 245.0  | 4.2       |
| 20°-30°   | 372.1  | 6.4       |
| 30°-40°   | 553.2  | 9.5       |
| 40°-50°   | 822.7  | 14.1      |
| 50°-60°   | 1116.7 | 19.2      |
| 60°-70°   | 1363.3 | 23.4      |
| 70°-80°   | 1069.9 | 18.4      |
| 80°-90°   | 185.3  | 3.2       |
| 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°    | 5824.0 | 100.0     |
| 0°-180°   | 5824.0 | 100.0     |

**Coefficient of Utilization**



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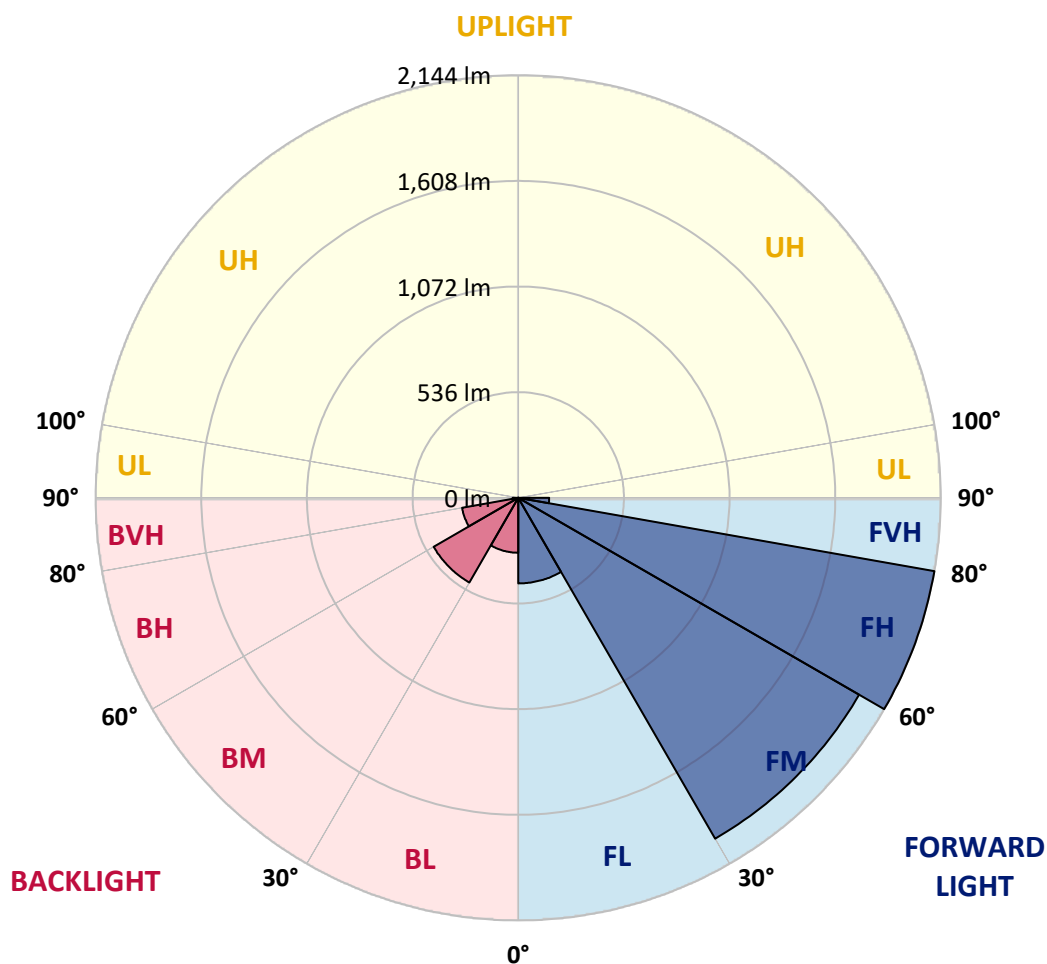
CATALOG NUMBER: GLAN-SB1B-740-U-SL3

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 434.2  | 7.5       |                         |      |         |
| FM   | (30°-60°)   | 1996.7 | 34.3      |                         |      |         |
| FH   | (60°-80°)   | 2143.8 | 36.8      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 157.0  | 2.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 278.8  | 4.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 495.8  | 8.5       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 289.4  | 5.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 28.4   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

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

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 59°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1069.0 | 1069.0 | 1069.0 | 1069.0 | 1069.0 | 1069.0 | 1069.0 | 1069.0 | 1069.0 | 1069.0 |
| 2.5°  | 1078.1 | 1074.3 | 1078.1 | 1076.5 | 1075.9 | 1074.6 | 1074.9 | 1077.1 | 1075.9 | 1077.4 |
| 5°    | 1070.9 | 1068.7 | 1072.4 | 1071.5 | 1075.6 | 1076.2 | 1080.3 | 1082.8 | 1084.3 | 1084.6 |
| 7.5°  | 1059.0 | 1056.8 | 1062.1 | 1066.5 | 1075.2 | 1077.8 | 1086.2 | 1090.3 | 1092.5 | 1096.2 |
| 10°   | 1015.4 | 1014.5 | 1027.6 | 1044.2 | 1064.9 | 1077.8 | 1090.6 | 1097.5 | 1100.9 | 1111.0 |
| 12.5° | 938.3  | 939.6  | 956.8  | 988.8  | 1030.1 | 1071.5 | 1095.6 | 1105.6 | 1111.0 | 1123.5 |
| 15°   | 864.7  | 864.4  | 883.2  | 917.3  | 975.3  | 1043.9 | 1098.1 | 1115.4 | 1124.4 | 1142.9 |
| 17.5° | 822.1  | 820.8  | 834.0  | 860.0  | 913.9  | 1001.6 | 1091.9 | 1120.7 | 1140.1 | 1163.3 |
| 20°   | 814.3  | 811.8  | 818.7  | 831.5  | 869.7  | 955.3  | 1075.6 | 1120.7 | 1152.6 | 1182.7 |
| 22.5° | 842.8  | 838.7  | 835.9  | 834.3  | 851.2  | 917.0  | 1057.1 | 1116.9 | 1171.1 | 1210.6 |
| 25°   | 900.1  | 893.8  | 879.4  | 865.3  | 860.3  | 899.8  | 1040.8 | 1116.0 | 1198.7 | 1248.2 |
| 27.5° | 992.9  | 985.0  | 955.9  | 922.0  | 891.7  | 908.6  | 1033.6 | 1121.6 | 1229.1 | 1288.0 |
| 30°   | 1107.8 | 1099.4 | 1062.7 | 1010.7 | 956.2  | 941.2  | 1042.7 | 1138.2 | 1267.9 | 1340.9 |
| 32.5° | 1210.9 | 1201.5 | 1170.2 | 1117.2 | 1043.6 | 997.5  | 1071.5 | 1169.9 | 1329.0 | 1414.6 |
| 35°   | 1302.4 | 1291.4 | 1263.2 | 1214.4 | 1150.8 | 1076.8 | 1123.5 | 1225.9 | 1415.8 | 1534.2 |
| 37.5° | 1392.0 | 1379.1 | 1348.4 | 1296.8 | 1252.3 | 1182.4 | 1195.2 | 1298.0 | 1531.1 | 1679.6 |
| 40°   | 1492.3 | 1473.8 | 1436.5 | 1385.4 | 1342.2 | 1306.2 | 1289.5 | 1386.4 | 1648.3 | 1841.9 |
| 42.5° | 1589.4 | 1571.8 | 1527.3 | 1483.8 | 1429.6 | 1419.3 | 1398.9 | 1489.7 | 1776.4 | 2020.2 |
| 45°   | 1694.0 | 1673.0 | 1619.1 | 1564.0 | 1529.8 | 1494.4 | 1504.8 | 1593.1 | 1902.0 | 2201.9 |
| 47.5° | 1792.1 | 1768.6 | 1705.0 | 1643.6 | 1624.8 | 1557.7 | 1601.9 | 1706.9 | 2032.7 | 2386.1 |
| 50°   | 1845.0 | 1821.8 | 1768.9 | 1713.4 | 1698.7 | 1635.7 | 1707.2 | 1831.9 | 2169.6 | 2569.7 |
| 52.5° | 1889.2 | 1864.1 | 1794.9 | 1764.2 | 1759.8 | 1720.6 | 1836.9 | 1974.7 | 2306.5 | 2732.0 |
| 55°   | 1936.2 | 1908.3 | 1820.0 | 1792.4 | 1812.4 | 1815.9 | 1990.7 | 2136.7 | 2451.3 | 2890.2 |
| 57.5° | 1990.4 | 1955.0 | 1844.1 | 1816.2 | 1863.8 | 1927.4 | 2167.4 | 2304.6 | 2593.5 | 3036.8 |
| 60°   | 2041.5 | 2005.8 | 1890.5 | 1854.1 | 1919.3 | 2056.8 | 2370.1 | 2508.0 | 2754.5 | 3167.5 |
| 62.5° | 2051.5 | 2022.0 | 1927.4 | 1927.1 | 1994.5 | 2207.8 | 2610.1 | 2713.2 | 2895.2 | 3296.6 |
| 65°   | 1877.9 | 1859.4 | 1803.4 | 1924.3 | 2102.2 | 2425.3 | 2877.4 | 2975.7 | 3074.1 | 3409.3 |
| 67.5° | 1429.3 | 1431.8 | 1427.7 | 1661.1 | 2015.2 | 2737.6 | 3264.3 | 3256.8 | 3295.0 | 3535.9 |
| 70°   | 653.5  | 668.3  | 764.1  | 1146.7 | 1614.4 | 2773.7 | 3904.0 | 3806.6 | 3572.3 | 3699.8 |
| 72.5° | 353.1  | 364.4  | 403.5  | 555.5  | 970.6  | 2466.0 | 4382.1 | 4451.4 | 3941.0 | 3810.1 |
| 75°   | 259.1  | 265.4  | 292.6  | 353.1  | 407.6  | 1832.8 | 4210.8 | 4566.0 | 3987.1 | 3552.8 |
| 77.5° | 193.9  | 196.8  | 219.0  | 279.8  | 208.7  | 966.2  | 3364.5 | 3781.5 | 3413.1 | 2919.0 |
| 80°   | 140.7  | 143.8  | 160.4  | 209.9  | 146.3  | 353.4  | 2310.3 | 2654.3 | 2337.5 | 1860.7 |
| 82.5° | 97.1   | 98.4   | 105.6  | 142.9  | 102.1  | 137.2  | 1310.9 | 1556.5 | 1304.9 | 652.9  |
| 85°   | 58.6   | 60.2   | 63.3   | 83.3   | 58.0   | 65.2   | 565.8  | 585.2  | 390.1  | 156.0  |
| 87.5° | 24.1   | 25.7   | 28.2   | 35.1   | 22.9   | 18.2   | 93.4   | 117.2  | 73.0   | 45.7   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1069.0 | 0°    | 1069.0 | 1069.0 | 1069.0 | 1069.0 | 1069.0 | 1069.0 | 1069.0 | 1069.0 | 1069.0 | 1069.0 |
| 1072.1 | 2.5°  | 1070.5 | 1068.4 | 1062.4 | 1054.3 | 1046.7 | 1037.3 | 1033.3 | 1029.8 | 1026.7 | 1020.7 |
| 1080.6 | 5°    | 1077.1 | 1071.2 | 1055.2 | 1034.5 | 1011.0 | 985.3  | 960.3  | 943.0  | 928.3  | 917.3  |
| 1090.3 | 7.5°  | 1087.2 | 1075.9 | 1046.7 | 1004.4 | 950.6  | 895.4  | 845.6  | 810.2  | 783.6  | 773.9  |
| 1104.1 | 10°   | 1097.5 | 1084.0 | 1033.3 | 958.7  | 865.7  | 780.7  | 714.6  | 678.3  | 657.0  | 650.1  |
| 1120.4 | 12.5° | 1109.7 | 1090.0 | 1012.3 | 895.1  | 770.7  | 677.7  | 620.0  | 598.7  | 587.8  | 584.0  |
| 1140.4 | 15°   | 1127.6 | 1095.0 | 980.6  | 815.5  | 680.2  | 602.5  | 565.2  | 550.5  | 544.8  | 544.5  |
| 1161.1 | 17.5° | 1141.0 | 1095.9 | 931.4  | 730.3  | 610.6  | 557.0  | 526.3  | 520.7  | 524.5  | 530.1  |
| 1181.5 | 20°   | 1156.1 | 1087.5 | 866.9  | 652.6  | 561.7  | 517.3  | 504.4  | 508.2  | 517.3  | 525.4  |
| 1208.4 | 22.5° | 1166.7 | 1072.1 | 788.9  | 592.1  | 519.5  | 494.4  | 493.8  | 501.6  | 506.6  | 510.7  |
| 1240.0 | 25°   | 1176.1 | 1046.1 | 706.2  | 541.4  | 484.7  | 480.6  | 487.5  | 485.0  | 481.5  | 485.0  |
| 1271.7 | 27.5° | 1183.0 | 1005.1 | 632.2  | 496.9  | 460.2  | 471.2  | 467.1  | 461.5  | 461.2  | 463.1  |
| 1309.0 | 30°   | 1180.8 | 950.2  | 571.5  | 454.6  | 443.0  | 453.7  | 443.9  | 443.0  | 442.1  | 443.0  |
| 1365.1 | 32.5° | 1180.8 | 887.9  | 524.8  | 425.5  | 432.0  | 428.0  | 427.0  | 424.8  | 421.1  | 420.8  |
| 1441.2 | 35°   | 1187.4 | 825.5  | 484.7  | 409.8  | 423.0  | 413.2  | 413.9  | 408.5  | 400.7  | 397.0  |
| 1542.1 | 37.5° | 1200.9 | 775.4  | 444.9  | 402.3  | 407.0  | 406.7  | 404.2  | 395.1  | 381.3  | 369.4  |
| 1668.0 | 40°   | 1233.5 | 760.7  | 417.6  | 398.8  | 399.5  | 403.2  | 396.6  | 379.1  | 347.8  | 328.3  |
| 1795.8 | 42.5° | 1284.5 | 785.4  | 411.7  | 390.4  | 394.4  | 398.2  | 385.4  | 344.6  | 322.4  | 310.8  |
| 1929.9 | 45°   | 1349.4 | 828.7  | 424.5  | 378.2  | 382.5  | 389.1  | 350.9  | 331.5  | 321.4  | 321.8  |
| 2062.8 | 47.5° | 1431.5 | 874.1  | 448.3  | 367.5  | 365.3  | 369.1  | 328.0  | 316.1  | 302.3  | 305.8  |
| 2190.3 | 50°   | 1526.4 | 920.2  | 470.9  | 353.1  | 346.2  | 334.0  | 313.3  | 302.0  | 284.5  | 276.3  |
| 2313.4 | 52.5° | 1629.2 | 964.7  | 480.0  | 335.5  | 325.5  | 311.4  | 303.3  | 289.5  | 268.2  | 254.7  |
| 2429.6 | 55°   | 1726.6 | 1005.1 | 470.0  | 314.6  | 304.8  | 293.9  | 292.6  | 284.2  | 261.3  | 242.5  |
| 2533.0 | 57.5° | 1818.7 | 1038.9 | 444.9  | 293.2  | 283.9  | 277.3  | 285.7  | 281.7  | 252.8  | 228.7  |
| 2630.8 | 60°   | 1896.7 | 1062.1 | 408.5  | 271.6  | 265.1  | 261.6  | 274.5  | 273.2  | 240.9  | 214.0  |
| 2718.5 | 62.5° | 1958.8 | 1071.2 | 368.4  | 251.0  | 249.4  | 243.1  | 258.8  | 258.8  | 225.9  | 199.6  |
| 2795.6 | 65°   | 2007.3 | 1062.4 | 327.7  | 230.6  | 233.7  | 224.3  | 239.7  | 237.8  | 209.9  | 186.7  |
| 2884.2 | 67.5° | 2050.2 | 1033.6 | 282.6  | 210.5  | 217.7  | 205.8  | 219.6  | 215.2  | 192.4  | 173.9  |
| 2961.0 | 70°   | 2069.4 | 966.5  | 231.2  | 190.5  | 199.3  | 187.7  | 199.6  | 191.4  | 172.6  | 160.1  |
| 2876.7 | 72.5° | 1915.8 | 803.3  | 182.0  | 169.5  | 177.0  | 167.6  | 178.0  | 168.6  | 151.3  | 145.7  |
| 2484.2 | 75°   | 1585.0 | 602.8  | 140.0  | 146.6  | 152.3  | 145.1  | 152.0  | 145.1  | 129.4  | 133.5  |
| 1835.0 | 77.5° | 1151.1 | 407.0  | 107.1  | 122.5  | 125.0  | 121.2  | 127.2  | 119.4  | 105.3  | 104.3  |
| 914.5  | 80°   | 572.4  | 238.4  | 84.0   | 96.8   | 95.9   | 93.4   | 100.3  | 96.5   | 84.6   | 89.6   |
| 246.9  | 82.5° | 165.7  | 102.1  | 61.1   | 68.0   | 66.1   | 66.7   | 71.7   | 73.6   | 110.3  | 109.3  |
| 76.8   | 85°   | 52.0   | 40.1   | 36.7   | 37.9   | 36.0   | 37.0   | 42.3   | 84.0   | 77.7   | 45.4   |
| 23.8   | 87.5° | 13.5   | 13.8   | 9.1    | 9.7    | 10.0   | 11.9   | 13.5   | 51.1   | 24.4   | 16.0   |
| 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°   |
|--------|
| 1069.0 |
| 1017.9 |
| 908.3  |
| 756.9  |
| 639.4  |
| 584.9  |
| 545.8  |
| 532.3  |
| 528.2  |
| 512.9  |
| 487.2  |
| 466.2  |
| 446.5  |
| 424.8  |
| 400.7  |
| 373.5  |
| 330.8  |
| 310.8  |
| 323.3  |
| 314.6  |
| 278.5  |
| 254.4  |
| 242.5  |
| 227.5  |
| 213.0  |
| 198.6  |
| 185.5  |
| 172.6  |
| 157.6  |
| 141.0  |
| 121.9  |
| 99.6   |
| 88.7   |
| 111.8  |
| 49.2   |
| 16.9   |
| 0.0    |