

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: P846628

Luminaire Tested: **GLAN-SB2B-830-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846628  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2B-830-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9676 lumens  
Efficiency: N/A  
Efficacy: 130.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

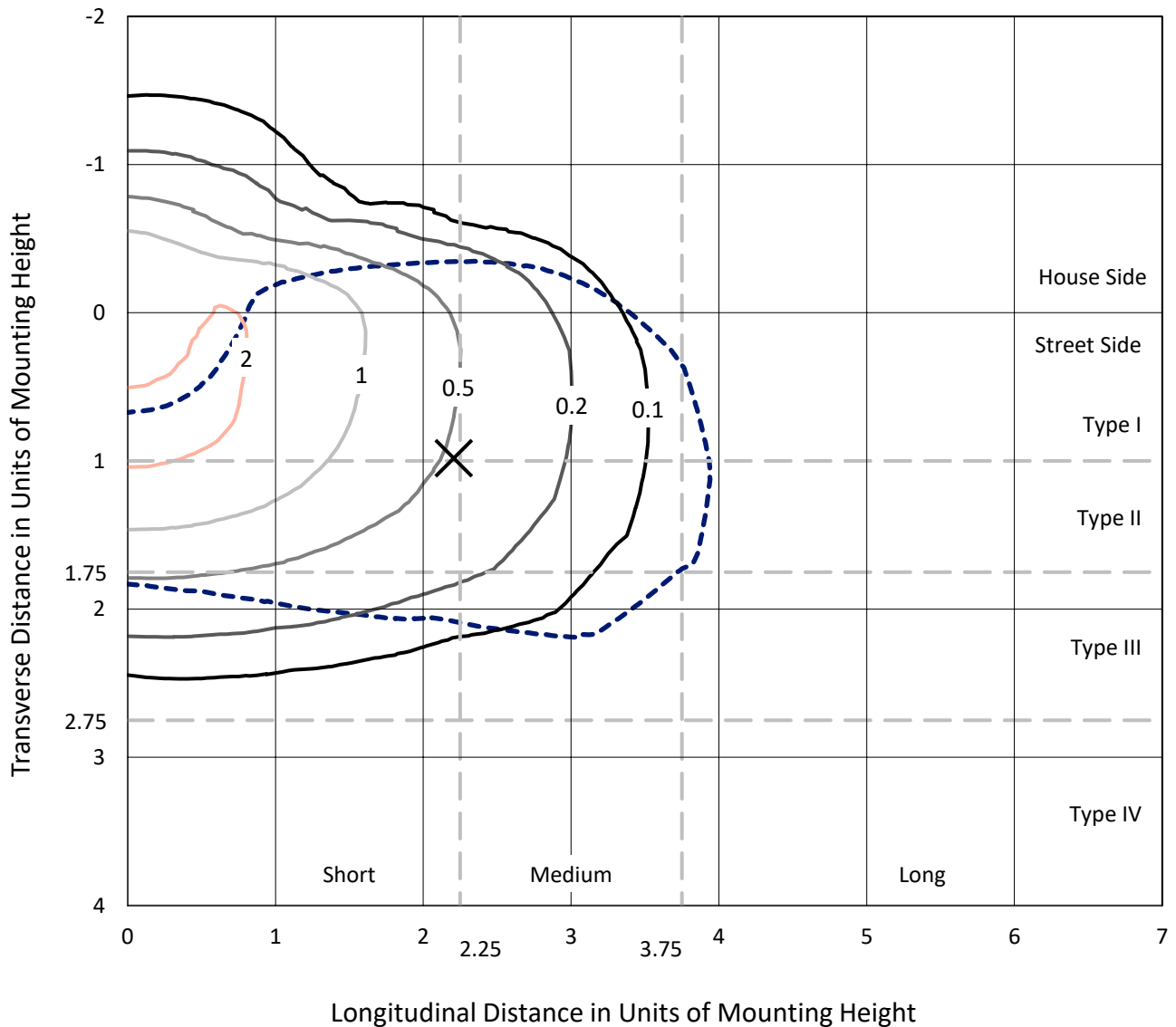
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

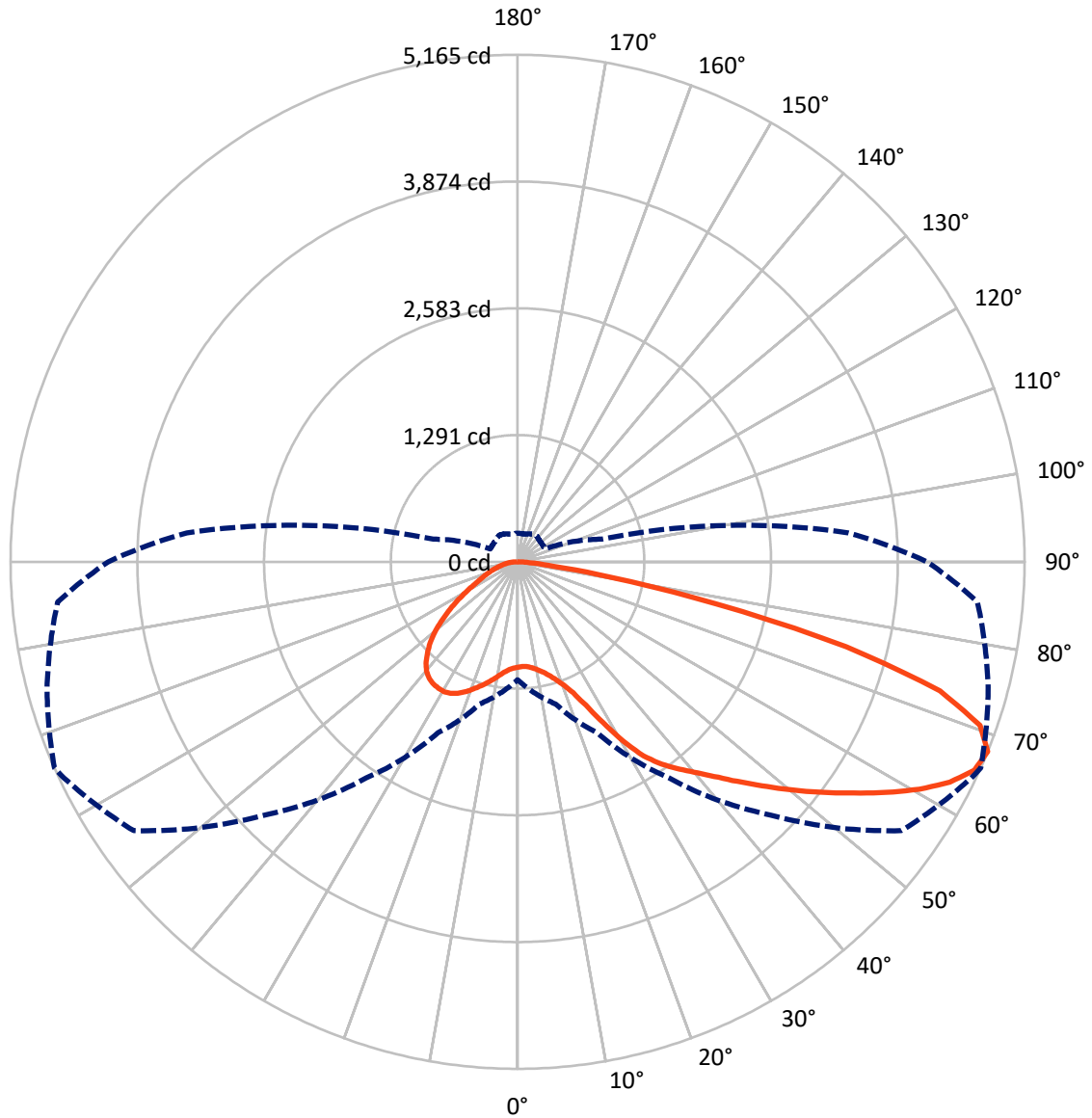
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2405.9   | 0.0    | 2405.9 |
|                    | % Fixture | 24.9     | 0.0    | 24.9   |
| <b>Street Side</b> | Lumens    | 7270.1   | 0.0    | 7270.1 |
|                    | % Fixture | 75.1     | 0.0    | 75.1   |
| <b>Total</b>       | Lumens    | 9676.0   | 0.0    | 9676.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 106.4  | 1.1       |
| 10°-20°   | 351.5  | 3.6       |
| 20°-30°   | 677.6  | 7.0       |
| 30°-40°   | 1188.0 | 12.3      |
| 40°-50°   | 1766.2 | 18.3      |
| 50°-60°   | 2238.9 | 23.1      |
| 60°-70°   | 2190.7 | 22.6      |
| 70°-80°   | 1045.0 | 10.8      |
| 80°-90°   | 111.7  | 1.2       |
| 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°    | 9676.0 | 100.0     |
| 0°-180°   | 9676.0 | 100.0     |

**Coefficient of Utilization**



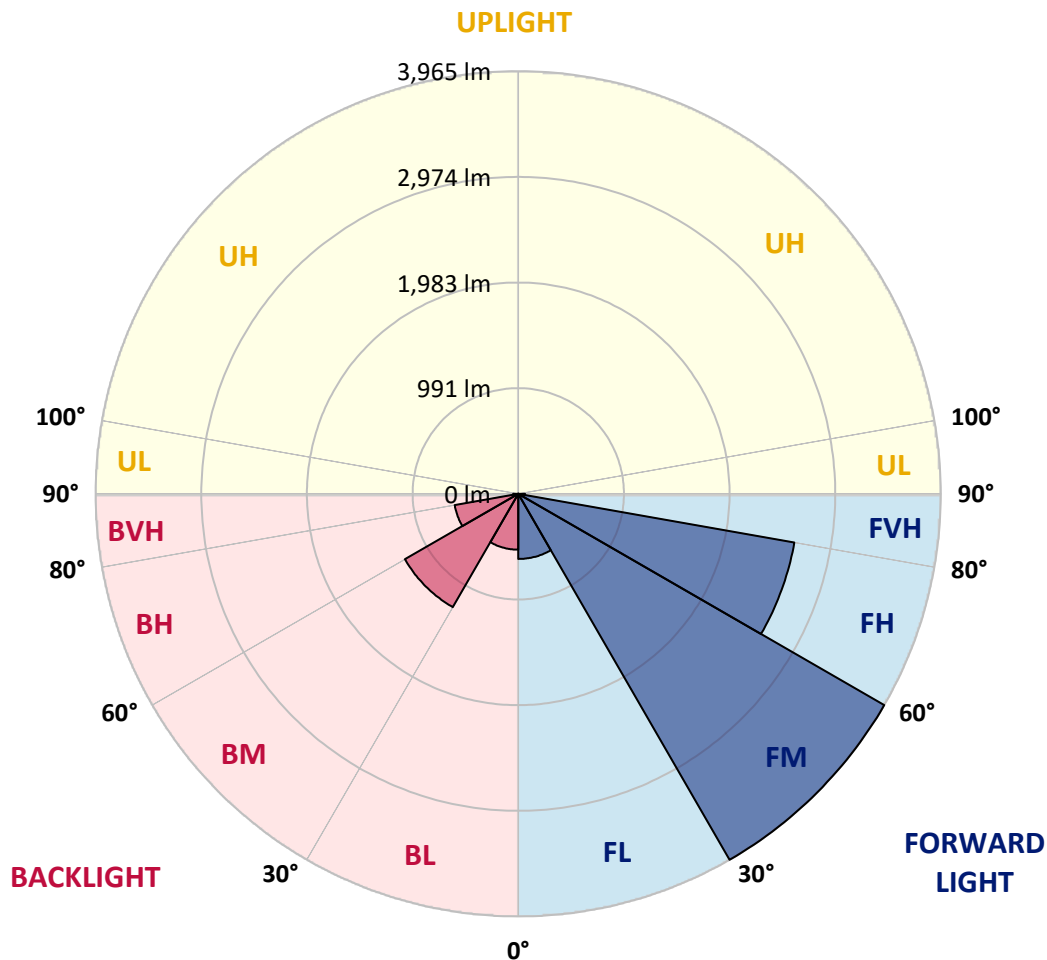
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 611.4  | 6.3       |                         |      |         |
| FM (30°-60°)   | 3965.1 | 41.0      |                         |      |         |
| FH (60°-80°)   | 2630.2 | 27.2      |                         |      | G2/5000 |
| FVH (80°-90°)  | 63.3   | 0.7       |                         |      | G1/100  |
| BL (0°-30°)    | 524.1  | 5.4       | B2/1000                 |      |         |
| BM (30°-60°)   | 1228.0 | 12.7      | B2/2500                 |      |         |
| BH (60°-80°)   | 605.5  | 6.3       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 48.4   | 0.5       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1073.2 | 1073.2 | 1073.2 | 1073.2 | 1073.2 | 1073.2 | 1073.2 | 1073.2 | 1073.2 | 1073.2 |
| 2.5°  | 1062.0 | 1068.1 | 1066.6 | 1064.0 | 1063.5 | 1064.6 | 1066.1 | 1067.6 | 1067.1 | 1069.6 |
| 5°    | 1059.0 | 1065.1 | 1064.6 | 1064.6 | 1066.6 | 1070.7 | 1073.2 | 1075.7 | 1073.2 | 1076.2 |
| 7.5°  | 1061.0 | 1065.6 | 1067.6 | 1069.6 | 1074.7 | 1082.3 | 1088.4 | 1094.0 | 1091.0 | 1094.5 |
| 10°   | 1086.9 | 1090.5 | 1092.5 | 1092.5 | 1096.1 | 1104.7 | 1110.8 | 1121.0 | 1118.4 | 1124.0 |
| 12.5° | 1134.2 | 1137.8 | 1137.8 | 1135.7 | 1138.3 | 1143.9 | 1145.9 | 1157.1 | 1152.5 | 1161.7 |
| 15°   | 1192.2 | 1199.3 | 1193.7 | 1190.1 | 1191.1 | 1196.7 | 1196.2 | 1204.9 | 1200.3 | 1207.9 |
| 17.5° | 1256.2 | 1265.4 | 1256.2 | 1255.7 | 1253.7 | 1259.8 | 1260.3 | 1267.9 | 1259.8 | 1265.4 |
| 20°   | 1332.0 | 1344.7 | 1337.0 | 1339.6 | 1335.0 | 1337.6 | 1340.1 | 1351.3 | 1338.6 | 1342.6 |
| 22.5° | 1438.7 | 1454.0 | 1445.8 | 1455.5 | 1452.4 | 1450.4 | 1449.9 | 1469.7 | 1449.9 | 1451.4 |
| 25°   | 1594.3 | 1612.6 | 1598.4 | 1611.6 | 1611.6 | 1618.2 | 1625.8 | 1651.2 | 1618.2 | 1608.5 |
| 27.5° | 1824.1 | 1842.4 | 1814.4 | 1822.6 | 1820.0 | 1836.3 | 1828.1 | 1891.2 | 1855.6 | 1839.8 |
| 30°   | 2100.6 | 2133.2 | 2080.3 | 2078.3 | 2075.7 | 2101.7 | 2113.3 | 2155.0 | 2118.9 | 2103.2 |
| 32.5° | 2399.6 | 2433.6 | 2370.6 | 2352.3 | 2342.6 | 2358.4 | 2348.7 | 2382.3 | 2357.4 | 2333.0 |
| 35°   | 2715.8 | 2749.3 | 2689.3 | 2653.8 | 2615.1 | 2582.1 | 2547.5 | 2556.1 | 2532.8 | 2495.7 |
| 37.5° | 3014.7 | 3076.2 | 3012.7 | 2974.5 | 2903.4 | 2838.8 | 2742.2 | 2702.1 | 2680.2 | 2646.1 |
| 40°   | 3319.2 | 3354.3 | 3306.0 | 3273.5 | 3196.2 | 3095.0 | 2940.5 | 2855.6 | 2826.1 | 2793.1 |
| 42.5° | 3543.4 | 3577.0 | 3551.1 | 3528.7 | 3468.2 | 3350.8 | 3151.0 | 3044.7 | 3002.0 | 2964.9 |
| 45°   | 3721.4 | 3746.3 | 3730.0 | 3738.1 | 3712.2 | 3598.3 | 3369.1 | 3247.5 | 3203.3 | 3158.1 |
| 47.5° | 3793.0 | 3819.5 | 3845.4 | 3893.7 | 3937.9 | 3854.1 | 3603.4 | 3467.2 | 3420.4 | 3374.1 |
| 50°   | 3784.9 | 3811.9 | 3887.1 | 3989.8 | 4127.1 | 4099.1 | 3850.5 | 3701.0 | 3657.8 | 3604.9 |
| 52.5° | 3719.8 | 3750.3 | 3846.9 | 4017.7 | 4236.4 | 4282.6 | 4102.1 | 3942.5 | 3901.8 | 3838.8 |
| 55°   | 3549.0 | 3567.3 | 3712.2 | 3954.2 | 4262.3 | 4410.7 | 4348.7 | 4199.8 | 4159.1 | 4071.1 |
| 57.5° | 3232.3 | 3258.7 | 3469.7 | 3782.9 | 4197.2 | 4497.7 | 4565.3 | 4470.2 | 4431.1 | 4304.5 |
| 60°   | 2819.0 | 2861.2 | 3102.7 | 3495.1 | 4031.5 | 4497.2 | 4762.0 | 4736.1 | 4703.6 | 4534.3 |
| 62.5° | 2351.3 | 2400.1 | 2632.4 | 3088.4 | 3741.7 | 4369.6 | 4885.1 | 4958.8 | 4942.0 | 4746.3 |
| 65°   | 1805.8 | 1839.3 | 2070.6 | 2562.2 | 3290.8 | 4095.5 | 4899.3 | 5110.8 | 5113.8 | 4907.4 |
| 67.5° | 1202.3 | 1298.9 | 1499.7 | 1922.7 | 2686.8 | 3647.6 | 4774.2 | 5135.7 | 5165.2 | 4962.8 |
| 70°   | 586.7  | 713.8  | 910.5  | 1249.6 | 1922.7 | 2960.8 | 4447.3 | 4931.3 | 4996.9 | 4801.2 |
| 72.5° | 243.5  | 284.7  | 392.0  | 616.7  | 1103.7 | 1997.9 | 3790.5 | 4377.2 | 4498.7 | 4254.1 |
| 75°   | 164.2  | 177.9  | 224.2  | 316.2  | 502.8  | 985.2  | 2733.6 | 3263.8 | 3459.5 | 3213.0 |
| 77.5° | 126.6  | 135.2  | 163.2  | 221.1  | 298.9  | 372.6  | 1463.1 | 1966.9 | 2068.1 | 1914.6 |
| 80°   | 99.6   | 106.3  | 122.0  | 161.2  | 212.0  | 199.3  | 498.7  | 891.2  | 949.7  | 796.6  |
| 82.5° | 86.4   | 89.0   | 87.4   | 109.3  | 140.8  | 116.4  | 163.7  | 328.9  | 363.0  | 263.3  |
| 85°   | 62.5   | 69.6   | 72.7   | 67.6   | 74.7   | 59.0   | 67.1   | 116.4  | 128.1  | 114.4  |
| 87.5° | 25.4   | 37.6   | 46.3   | 43.7   | 27.5   | 16.8   | 20.8   | 34.1   | 39.1   | 42.7   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1073.2 | 0°    | 1073.2 | 1073.2 | 1073.2 | 1073.2 | 1073.2 | 1073.2 | 1073.2 | 1073.2 | 1073.2 | 1073.2 |
| 1073.7 | 2.5°  | 1074.2 | 1077.8 | 1080.3 | 1083.4 | 1085.4 | 1088.4 | 1094.5 | 1098.1 | 1098.6 | 1101.2 |
| 1081.8 | 5°    | 1083.9 | 1089.0 | 1094.5 | 1102.7 | 1111.8 | 1119.5 | 1131.2 | 1139.3 | 1142.3 | 1144.9 |
| 1101.7 | 7.5°  | 1104.7 | 1111.8 | 1122.0 | 1136.2 | 1149.5 | 1159.6 | 1173.9 | 1183.5 | 1193.2 | 1196.7 |
| 1133.2 | 10°   | 1135.7 | 1145.9 | 1160.6 | 1180.0 | 1194.2 | 1207.4 | 1222.2 | 1230.3 | 1239.9 | 1244.0 |
| 1170.8 | 12.5° | 1174.4 | 1185.0 | 1204.4 | 1231.3 | 1244.5 | 1253.7 | 1258.8 | 1256.7 | 1258.8 | 1262.3 |
| 1216.1 | 15°   | 1218.6 | 1230.3 | 1252.1 | 1281.1 | 1290.3 | 1282.1 | 1271.0 | 1260.8 | 1259.3 | 1260.3 |
| 1271.0 | 17.5° | 1271.0 | 1279.6 | 1305.0 | 1329.4 | 1322.8 | 1289.3 | 1264.9 | 1248.6 | 1240.5 | 1237.9 |
| 1341.1 | 20°   | 1344.2 | 1344.2 | 1365.0 | 1380.3 | 1336.0 | 1279.1 | 1241.0 | 1214.5 | 1197.8 | 1190.6 |
| 1436.7 | 22.5° | 1433.1 | 1425.0 | 1438.2 | 1427.5 | 1333.5 | 1250.6 | 1197.8 | 1152.0 | 1126.6 | 1116.4 |
| 1570.4 | 25°   | 1546.0 | 1536.3 | 1532.8 | 1466.7 | 1315.2 | 1205.4 | 1119.5 | 1064.0 | 1041.7 | 1036.1 |
| 1763.1 | 27.5° | 1716.3 | 1691.9 | 1645.6 | 1488.0 | 1281.6 | 1134.2 | 1028.0 | 976.6  | 963.9  | 964.4  |
| 2010.7 | 30°   | 1943.0 | 1894.2 | 1780.9 | 1491.6 | 1226.7 | 1033.5 | 934.4  | 897.8  | 891.7  | 894.2  |
| 2218.6 | 32.5° | 2153.0 | 2106.7 | 1919.1 | 1475.3 | 1142.3 | 934.9  | 850.5  | 826.1  | 817.0  | 820.0  |
| 2377.2 | 35°   | 2317.7 | 2305.0 | 2047.3 | 1452.4 | 1038.6 | 842.4  | 775.3  | 754.4  | 736.6  | 732.6  |
| 2526.7 | 37.5° | 2473.3 | 2468.2 | 2143.3 | 1420.4 | 935.9  | 776.8  | 714.8  | 687.3  | 661.4  | 647.2  |
| 2691.9 | 40°   | 2644.1 | 2639.0 | 2206.4 | 1371.1 | 844.9  | 719.9  | 660.4  | 624.3  | 592.3  | 566.3  |
| 2879.0 | 42.5° | 2836.3 | 2806.3 | 2236.4 | 1300.4 | 767.7  | 671.6  | 616.2  | 567.4  | 525.2  | 501.3  |
| 3090.5 | 45°   | 3046.2 | 2978.6 | 2235.9 | 1210.5 | 702.6  | 627.3  | 568.9  | 499.7  | 460.6  | 438.2  |
| 3307.5 | 47.5° | 3268.9 | 3143.3 | 2208.4 | 1110.8 | 639.5  | 578.5  | 495.7  | 442.8  | 416.9  | 403.1  |
| 3543.4 | 50°   | 3498.7 | 3297.4 | 2161.6 | 996.4  | 575.0  | 523.1  | 449.9  | 413.8  | 394.0  | 381.3  |
| 3777.3 | 52.5° | 3714.8 | 3437.2 | 2105.2 | 866.8  | 509.4  | 469.2  | 429.6  | 401.6  | 380.8  | 366.5  |
| 4004.0 | 55°   | 3915.6 | 3557.7 | 2025.4 | 734.1  | 456.0  | 433.1  | 419.9  | 396.5  | 372.6  | 355.9  |
| 4234.3 | 57.5° | 4094.0 | 3636.0 | 1887.6 | 609.6  | 417.9  | 408.2  | 409.8  | 387.9  | 360.4  | 346.2  |
| 4461.1 | 60°   | 4242.5 | 3693.4 | 1683.8 | 494.1  | 386.9  | 383.8  | 394.0  | 371.6  | 339.6  | 323.3  |
| 4652.7 | 62.5° | 4331.4 | 3692.4 | 1433.6 | 404.7  | 360.4  | 361.5  | 373.2  | 351.3  | 318.8  | 303.5  |
| 4752.9 | 65°   | 4323.8 | 3601.9 | 1159.1 | 346.2  | 335.0  | 336.0  | 351.3  | 328.9  | 301.5  | 292.3  |
| 4702.5 | 67.5° | 4170.8 | 3381.3 | 889.2  | 308.1  | 307.1  | 311.6  | 329.4  | 313.7  | 290.8  | 289.8  |
| 4402.6 | 70°   | 3756.4 | 2923.2 | 640.6  | 277.6  | 278.1  | 284.7  | 308.1  | 304.0  | 285.2  | 287.2  |
| 3701.5 | 72.5° | 3012.2 | 2228.8 | 430.1  | 245.5  | 246.1  | 256.7  | 287.7  | 296.4  | 279.6  | 306.6  |
| 2626.3 | 75°   | 2006.1 | 1389.9 | 276.6  | 211.5  | 212.0  | 225.7  | 270.0  | 281.6  | 264.4  | 305.5  |
| 1366.5 | 77.5° | 963.9  | 624.8  | 200.3  | 177.9  | 177.9  | 190.6  | 233.3  | 252.2  | 225.2  | 237.4  |
| 439.2  | 80°   | 333.0  | 234.9  | 157.6  | 143.4  | 140.3  | 149.0  | 196.7  | 218.6  | 194.2  | 179.0  |
| 143.4  | 82.5° | 131.2  | 122.0  | 126.6  | 111.3  | 101.2  | 106.8  | 153.0  | 180.5  | 142.9  | 129.1  |
| 80.8   | 85°   | 75.2   | 79.3   | 89.5   | 73.7   | 58.5   | 65.6   | 112.4  | 129.6  | 107.8  | 95.1   |
| 26.4   | 87.5° | 20.3   | 28.0   | 41.2   | 38.1   | 26.4   | 28.0   | 53.4   | 71.7   | 62.0   | 47.8   |
| 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°   |
|--------|
| 1073.2 |
| 1100.6 |
| 1144.4 |
| 1197.2 |
| 1246.0 |
| 1263.3 |
| 1263.8 |
| 1241.5 |
| 1189.1 |
| 1114.9 |
| 1037.1 |
| 965.9  |
| 902.9  |
| 824.1  |
| 735.6  |
| 647.7  |
| 568.9  |
| 502.8  |
| 437.2  |
| 400.1  |
| 376.7  |
| 360.4  |
| 349.3  |
| 337.1  |
| 316.2  |
| 298.9  |
| 291.8  |
| 291.3  |
| 286.7  |
| 310.6  |
| 308.1  |
| 217.6  |
| 167.8  |
| 128.6  |
| 97.1   |
| 49.3   |
| 0.0    |

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