Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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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: P939626

Luminaire Tested: **GLAN-SB2B-760-U-T3-HSS**

Issue Date: 1/21/2025

Report Generated By 670246001

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**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P939626 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 1/21/2025 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | STREETWORKS |
| Catalog Number: | GLAN-SB2B-760-U-T3-HSS |
| Description: | GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE |
| | (2) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III |
| | OPTICS WITH HOUSE SIDE SHIELD |
| Light Source: | - |
| Ballast/Driver: | - |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 9344 lumens |
| Efficiency: | N/A |
| Efficacy: | 126.4 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 1' x H: 0') |
| IES Classification: | Type III - Short |
| BUG Rating: | B1 - 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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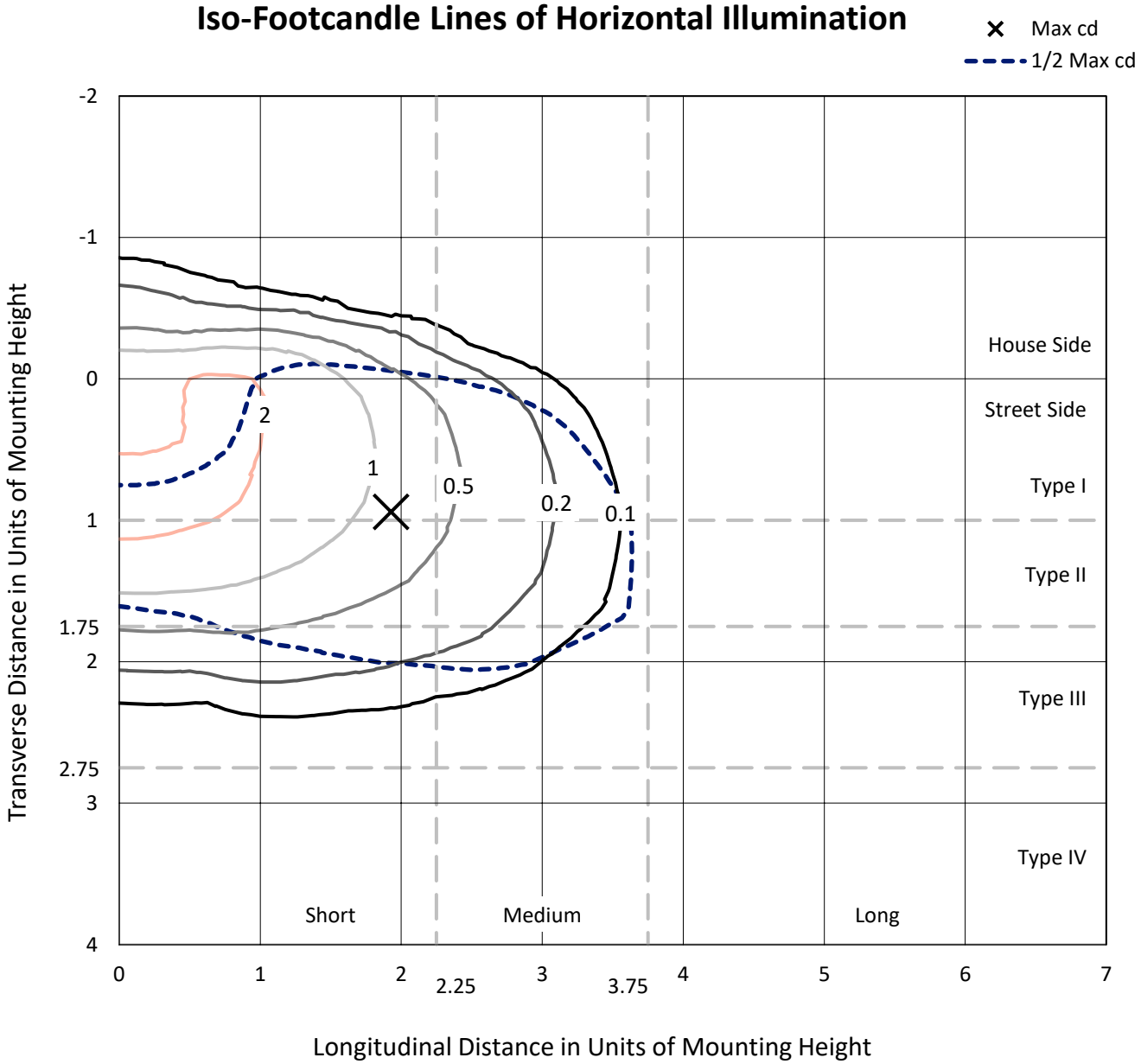
## Iso-Footcandle Lines of Horizontal Illumination




Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
Type III - Short - N/A

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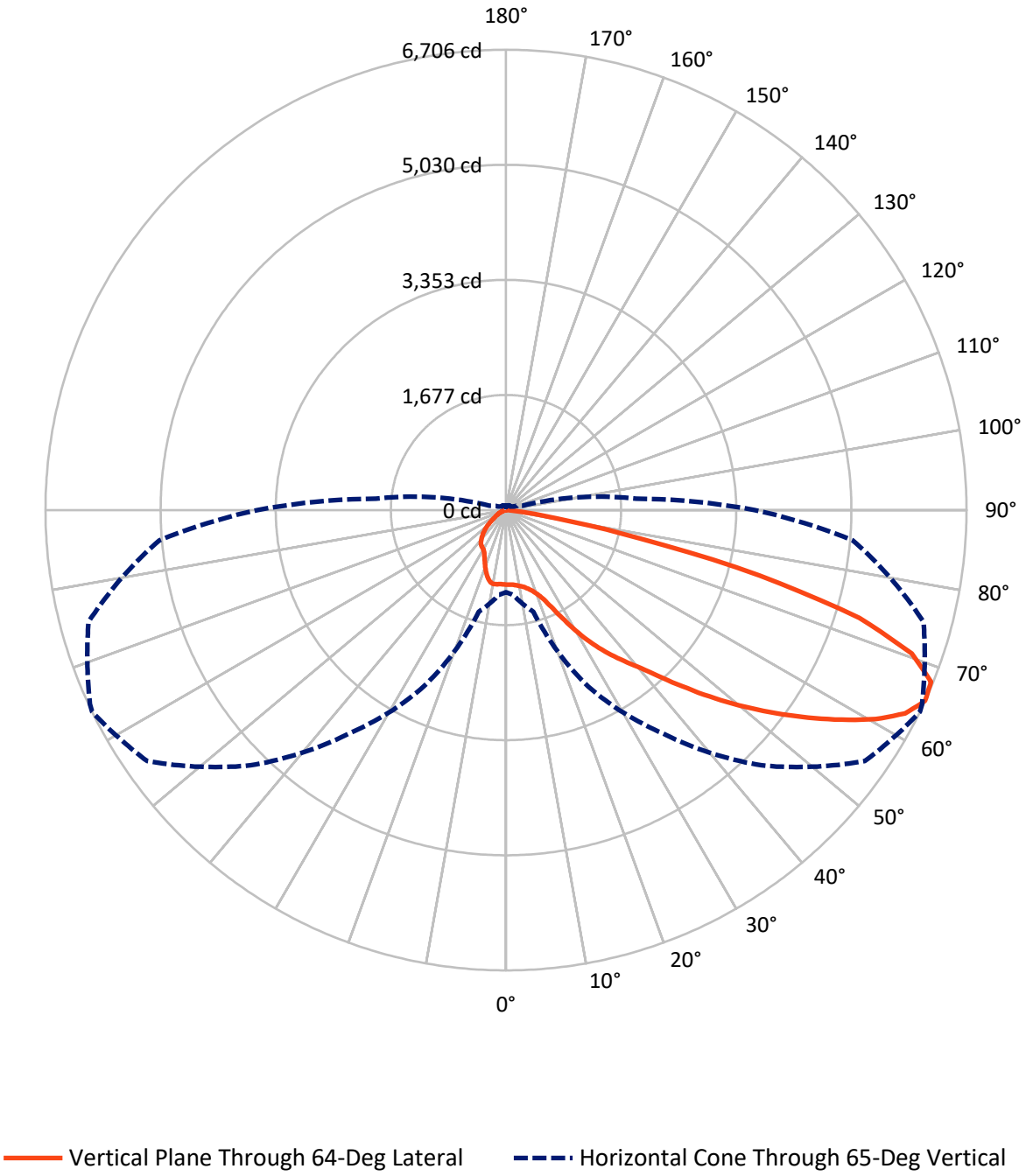
## Luminous Intensity Polar Plot



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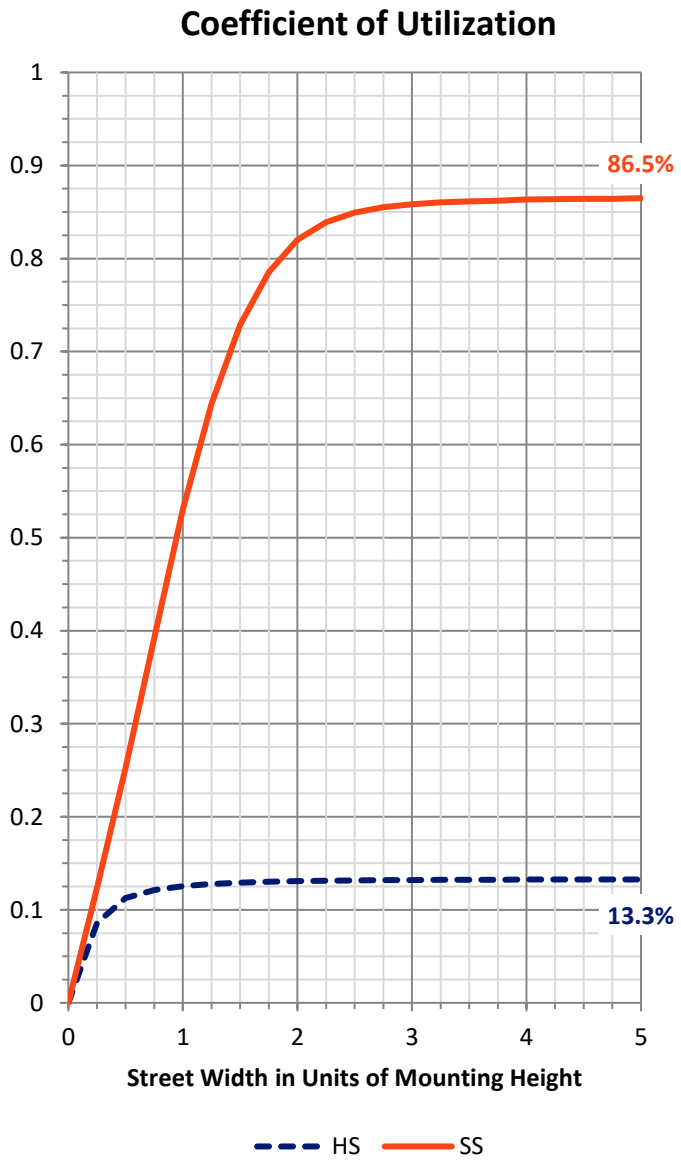
**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1249.6 | 0.0 | 1249.6 |
| | % Fixture | 13.4 | 0.0 | 13.4 |
| **Street Side** | Lumens | 8094.4 | 0.0 | 8094.4 |
| | % Fixture | 86.6 | 0.0 | 86.6 |
| **Total** | Lumens | 9344.0 | 0.0 | 9344.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 100.3 | 1.1 |
| 10°-20° | 272.0 | 2.9 |
| 20°-30° | 515.3 | 5.5 |
| 30°-40° | 1042.8 | 11.2 |
| 40°-50° | 1776.4 | 19.0 |
| 50°-60° | 2415.8 | 25.9 |
| 60°-70° | 2268.5 | 24.3 |
| 70°-80° | 908.9 | 9.7 |
| 80°-90° | 44.0 | 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° | 9344.0 | 100.0 |
| 0°-180° | 9344.0 | 100.0 |



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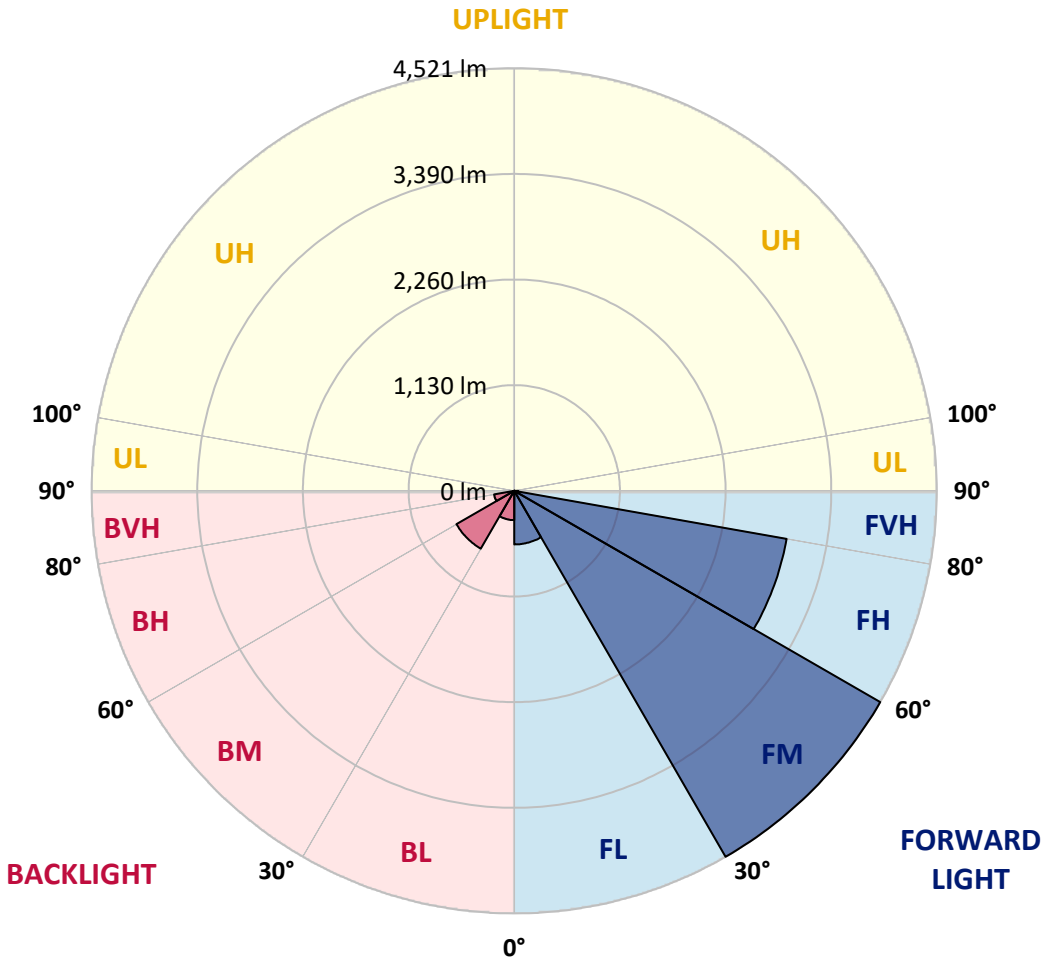
**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 573.8 | 6.1 | | | |
| FM | (30°-60°) | 4520.6 | 48.4 | | | |
| FH | (60°-80°) | 2958.1 | 31.7 | | | G2/5000 |
| FVH | (80°-90°) | 41.9 | 0.4 | | | G1/100 |
| BL | (0°-30°) | 313.7 | 3.4 | B1/500 | | |
| BM | (30°-60°) | 714.4 | 7.6 | B1/1000 | | |
| BH | (60°-80°) | 219.3 | 2.3 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 2.2 | 0.0 | | | 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 III Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | *1086.8* | 1086.8 | 1086.8 |
| 2.5° | 1083.0 | 1090.6 | 1088.7 | 1086.8 | 1086.2 | 1087.4 | 1088.1 | *1087.4* | 1087.4 | 1087.4 |
| 5° | 1062.4 | 1068.6 | 1068.6 | 1073.0 | 1079.3 | 1086.8 | 1092.4 | *1093.7* | 1094.9 | 1096.8 |
| 7.5° | 1022.9 | 1027.9 | 1031.7 | 1046.1 | 1061.7 | 1081.8 | 1098.7 | *1107.5* | 1108.7 | 1115.6 |
| 10° | 996.0 | 1002.2 | 1008.5 | 1023.5 | 1046.1 | 1076.2 | 1105.0 | *1126.3* | 1129.4 | 1145.7 |
| 12.5° | 994.7 | 1001.0 | 1009.1 | 1025.4 | 1051.7 | 1083.7 | 1118.8 | *1149.4* | 1155.1 | 1178.9 |
| 15° | 1007.9 | 1015.4 | 1022.9 | 1043.0 | 1071.1 | 1110.0 | 1147.6 | *1185.8* | 1191.4 | 1225.2 |
| 17.5° | 1034.8 | 1044.8 | 1050.5 | 1070.5 | 1100.6 | 1143.8 | 1193.3 | *1237.1* | 1242.2 | 1281.6 |
| 20° | 1088.1 | 1100.0 | 1101.8 | 1118.1 | 1147.6 | 1193.9 | 1252.8 | *1307.3* | 1313.6 | 1358.7 |
| 22.5° | 1198.3 | 1215.2 | 1200.2 | 1208.3 | 1234.6 | 1281.0 | 1344.9 | *1413.8* | 1422.6 | 1473.9 |
| 25° | 1392.5 | 1416.3 | 1377.5 | 1363.7 | 1374.9 | 1423.2 | 1503.4 | *1590.4* | 1600.5 | 1641.8 |
| 27.5° | 1774.0 | 1743.3 | 1684.4 | 1626.8 | 1592.9 | 1620.5 | 1710.7 | *1818.4* | 1831.0 | 1871.1 |
| 30° | 2193.0 | 2166.1 | 2086.5 | 1958.8 | 1878.6 | 1874.2 | 1957.5 | *2077.8* | 2092.2 | 2130.4 |
| 32.5° | 2612.7 | 2587.0 | 2500.6 | 2343.4 | 2204.3 | 2135.4 | 2193.0 | *2326.5* | 2334.0 | 2358.4 |
| 35° | 3025.5 | 2999.2 | 2912.8 | 2751.8 | 2580.8 | 2424.2 | 2412.9 | *2563.2* | 2565.7 | 2591.4 |
| 37.5° | 3440.8 | 3418.9 | 3326.8 | 3169.0 | 3000.5 | 2784.3 | 2679.7 | *2787.5* | 2790.6 | 2815.7 |
| 40° | 3737.1 | 3746.5 | 3683.2 | 3561.1 | 3416.4 | 3180.2 | 2979.2 | *3026.1* | 3007.3 | 3049.3 |
| 42.5° | 3991.4 | 4010.2 | 3955.1 | 3893.7 | 3809.8 | 3601.8 | 3350.0 | *3341.8* | 3311.8 | 3334.3 |
| 45° | 4211.3 | 4226.9 | 4177.5 | 4163.1 | 4161.2 | 4015.2 | 3755.3 | *3706.4* | 3664.4 | 3660.1 |
| 47.5° | 4292.1 | 4322.2 | 4343.5 | 4391.7 | 4485.7 | 4424.3 | 4174.3 | *4098.5* | 4051.6 | 4017.1 |
| 50° | 4322.8 | 4354.7 | 4427.4 | 4567.7 | 4790.1 | 4816.4 | 4591.5 | *4506.3* | 4448.7 | 4386.1 |
| 52.5° | 4281.4 | 4338.4 | 4436.2 | 4672.3 | 4994.9 | 5130.8 | 4991.8 | *4917.2* | 4851.5 | 4749.4 |
| 55° | 4037.8 | 4094.8 | 4294.6 | 4671.1 | 5097.0 | 5351.3 | 5370.1 | *5336.9* | 5263.0 | 5102.0 |
| 57.5° | 3524.1 | 3608.7 | 3925.0 | 4512.0 | 5095.1 | 5541.1 | 5741.0 | *5764.8* | 5682.1 | 5451.6 |
| 60° | 2812.5 | 2927.2 | 3313.0 | 4159.3 | 4937.9 | 5643.9 | 6066.1 | *6185.1* | 6097.4 | 5796.1 |
| 62.5° | 1962.5 | 2095.3 | 2460.5 | 3606.8 | 4578.4 | 5569.9 | 6303.5 | *6523.3* | 6456.9 | 6104.3 |
| 65° | *1197.1* | *1239.6* | *1534.1* | *2838.2* | *3967.0* | *5260.5* | *6376.8* | *6706.2* | *6684.3* | *6292.8* |
| 67.5° | 797.4 | 833.1 | 917.7 | 1946.2 | 3079.4 | 4642.3 | 6201.4 | *6674.3* | 6680.6 | 6262.1 |
| 70° | 480.4 | 511.1 | 566.3 | 1131.9 | 1995.7 | 3674.5 | 5658.3 | *6267.1* | 6303.5 | 5851.8 |
| 72.5° | 197.9 | 218.6 | 268.7 | 513.0 | 1033.6 | 2332.1 | 4505.7 | *5380.8* | 5465.3 | 4920.4 |
| 75° | 112.1 | 122.8 | 157.9 | 257.5 | 448.5 | 1086.8 | 2729.2 | *3819.8* | 3944.4 | 3391.3 |
| 77.5° | 74.5 | 79.6 | 102.1 | 166.6 | 252.4 | 370.8 | 1166.4 | *1990.1* | 2228.1 | 1852.3 |
| 80° | 50.1 | 54.5 | 70.2 | 111.5 | 164.1 | 159.1 | 371.5 | *737.3* | 907.0 | 636.4 |
| 82.5° | 33.8 | 34.5 | 50.1 | 73.3 | 104.0 | 77.0 | 109.6 | *229.3* | 288.1 | 184.2 |
| 85° | 19.4 | 18.8 | 37.0 | 42.6 | 46.4 | 31.9 | 33.2 | *68.9* | 90.2 | 77.7 |
| 87.5° | 2.5 | 3.8 | 14.4 | 11.3 | 6.3 | 6.9 | 6.9 | *11.9* | 17.5 | 18.8 |
| 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° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1086.8 | 0° | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 |
| 1088.1 | 2.5° | 1088.1 | 1087.4 | 1085.6 | 1083.7 | 1079.3 | 1076.8 | 1078.0 | 1076.8 | 1076.2 | 1076.8 |
| 1096.2 | 5° | 1096.2 | 1094.3 | 1089.3 | 1083.0 | 1074.3 | 1063.6 | 1056.7 | 1046.7 | 1037.3 | 1031.7 |
| 1118.1 | 7.5° | 1118.1 | 1116.2 | 1109.4 | 1091.8 | 1063.6 | 1019.2 | 978.4 | 942.7 | 915.8 | 900.1 |
| 1153.2 | 10° | 1153.2 | 1150.1 | 1139.4 | 1100.6 | 1026.7 | 929.6 | 848.8 | 781.7 | 737.9 | 717.2 |
| 1194.5 | 12.5° | 1194.5 | 1190.8 | 1172.0 | 1092.4 | 956.5 | 804.9 | 693.4 | 618.9 | 578.2 | 560.0 |
| 1242.2 | 15° | 1243.4 | 1238.4 | 1201.4 | 1053.6 | 854.4 | 667.1 | 565.0 | 509.3 | 483.0 | 466.7 |
| 1302.9 | 17.5° | 1304.2 | 1295.4 | 1223.4 | 995.3 | 743.5 | 561.9 | 486.1 | 444.1 | 420.9 | 405.3 |
| 1382.5 | 20° | 1383.1 | 1368.7 | 1240.9 | 925.8 | 641.4 | 495.5 | 432.8 | 397.8 | 380.2 | 366.4 |
| 1495.2 | 22.5° | 1493.3 | 1472.7 | 1262.2 | 850.7 | 569.4 | 449.8 | 393.4 | 367.7 | 353.3 | 337.6 |
| 1652.4 | 25° | 1629.9 | 1605.5 | 1288.5 | 781.1 | 519.9 | 410.3 | 364.6 | 343.3 | 326.4 | 308.2 |
| 1858.5 | 27.5° | 1820.9 | 1777.1 | 1319.8 | 724.1 | 477.3 | 376.5 | 338.3 | 314.5 | 295.0 | 280.0 |
| 2092.2 | 30° | 2033.9 | 1961.9 | 1347.4 | 689.7 | 438.5 | 345.1 | 303.8 | 280.0 | 261.8 | 251.2 |
| 2302.0 | 32.5° | 2235.6 | 2137.9 | 1365.6 | 674.6 | 403.4 | 309.4 | 266.2 | 240.5 | 226.8 | 223.6 |
| 2507.5 | 35° | 2426.0 | 2297.0 | 1363.7 | 660.2 | 372.1 | 273.7 | 229.3 | 203.0 | 192.3 | 194.2 |
| 2728.6 | 37.5° | 2645.3 | 2466.8 | 1350.5 | 637.7 | 346.4 | 241.2 | 197.3 | 174.1 | 164.7 | 165.4 |
| 2997.3 | 40° | 2900.2 | 2662.8 | 1342.4 | 595.1 | 318.2 | 211.1 | 171.0 | 152.2 | 145.3 | 142.8 |
| 3280.5 | 42.5° | 3172.1 | 2852.6 | 1343.6 | 546.8 | 283.1 | 184.2 | 152.8 | 137.2 | 130.9 | 129.0 |
| 3595.5 | 45° | 3445.2 | 3033.7 | 1345.5 | 496.7 | 246.2 | 163.5 | 139.7 | 126.5 | 122.8 | 120.3 |
| 3915.0 | 47.5° | 3702.0 | 3187.8 | 1310.4 | 442.9 | 209.8 | 147.8 | 129.0 | 120.3 | 117.1 | 114.0 |
| 4235.7 | 50° | 3941.3 | 3290.5 | 1225.9 | 380.2 | 181.0 | 135.3 | 120.9 | 114.6 | 111.5 | 108.4 |
| 4526.4 | 52.5° | 4127.4 | 3306.8 | 1086.2 | 315.7 | 161.0 | 125.9 | 115.9 | 110.2 | 106.5 | 103.4 |
| 4761.3 | 55° | 4210.0 | 3204.7 | 887.6 | 255.6 | 145.3 | 117.8 | 110.9 | 105.2 | 100.9 | 97.7 |
| 4946.1 | 57.5° | 4188.7 | 2989.8 | 692.2 | 205.5 | 130.3 | 109.6 | 104.6 | 100.9 | 95.8 | 90.8 |
| 5095.8 | 60° | 4084.1 | 2702.3 | 521.8 | 171.0 | 116.5 | 100.9 | 97.7 | 94.6 | 87.7 | 80.2 |
| 5153.4 | 62.5° | 3903.1 | 2340.9 | 372.1 | 141.6 | 101.5 | 90.8 | 89.6 | 87.1 | 77.0 | 63.3 |
| *5068.2* | 65° | *3626.2* | *1901.8* | *250.6* | *117.8* | *87.1* | *79.6* | *80.2* | *75.8* | *62.6* | *47.0* |
| 4756.3 | 67.5° | 3221.6 | 1390.6 | 160.4 | 96.5 | 72.7 | 66.4 | 67.0 | 64.5 | 53.2 | 40.1 |
| 4164.9 | 70° | 2706.0 | 920.8 | 104.6 | 73.3 | 58.3 | 51.4 | 55.1 | 55.7 | 45.1 | 32.6 |
| 3196.5 | 72.5° | 1983.8 | 543.7 | 73.3 | 54.5 | 42.6 | 35.7 | 45.1 | 46.4 | 36.3 | 24.4 |
| 1923.0 | 75° | 1130.7 | 258.1 | 55.1 | 39.5 | 26.3 | 25.1 | 35.1 | 35.1 | 25.1 | 16.3 |
| 832.5 | 77.5° | 474.8 | 107.7 | 38.8 | 25.7 | 15.0 | 14.4 | 23.8 | 21.9 | 12.5 | 7.5 |
| 203.0 | 80° | 137.2 | 48.2 | 20.7 | 12.5 | 6.3 | 5.6 | 9.4 | 6.9 | 3.1 | 1.3 |
| 77.0 | 82.5° | 53.9 | 21.3 | 8.1 | 5.0 | 2.5 | 2.5 | 1.3 | 0.0 | 0.0 | 0.0 |
| 43.8 | 85° | 31.9 | 8.8 | 3.8 | 1.9 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9.4 | 87.5° | 8.1 | 1.9 | 1.3 | 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° |
|---|
| 1086.8 |
| 1079.3 |
| 1032.9 |
| 900.8 |
| 715.3 |
| 558.1 |
| 467.3 |
| 404.0 |
| 363.9 |
| 335.1 |
| 306.3 |
| 276.9 |
| 249.3 |
| 225.5 |
| 194.2 |
| 167.9 |
| 142.2 |
| 128.4 |
| 120.3 |
| 114.0 |
| 108.4 |
| 102.7 |
| 97.1 |
| 90.2 |
| 78.9 |
| 62.0 |
| *45.7* |
| 38.2 |
| 31.3 |
| 23.2 |
| 15.0 |
| 7.5 |
| 1.3 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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