

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: P852065

Luminaire Tested: **GLAN-SB1A-830-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-830-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3808 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

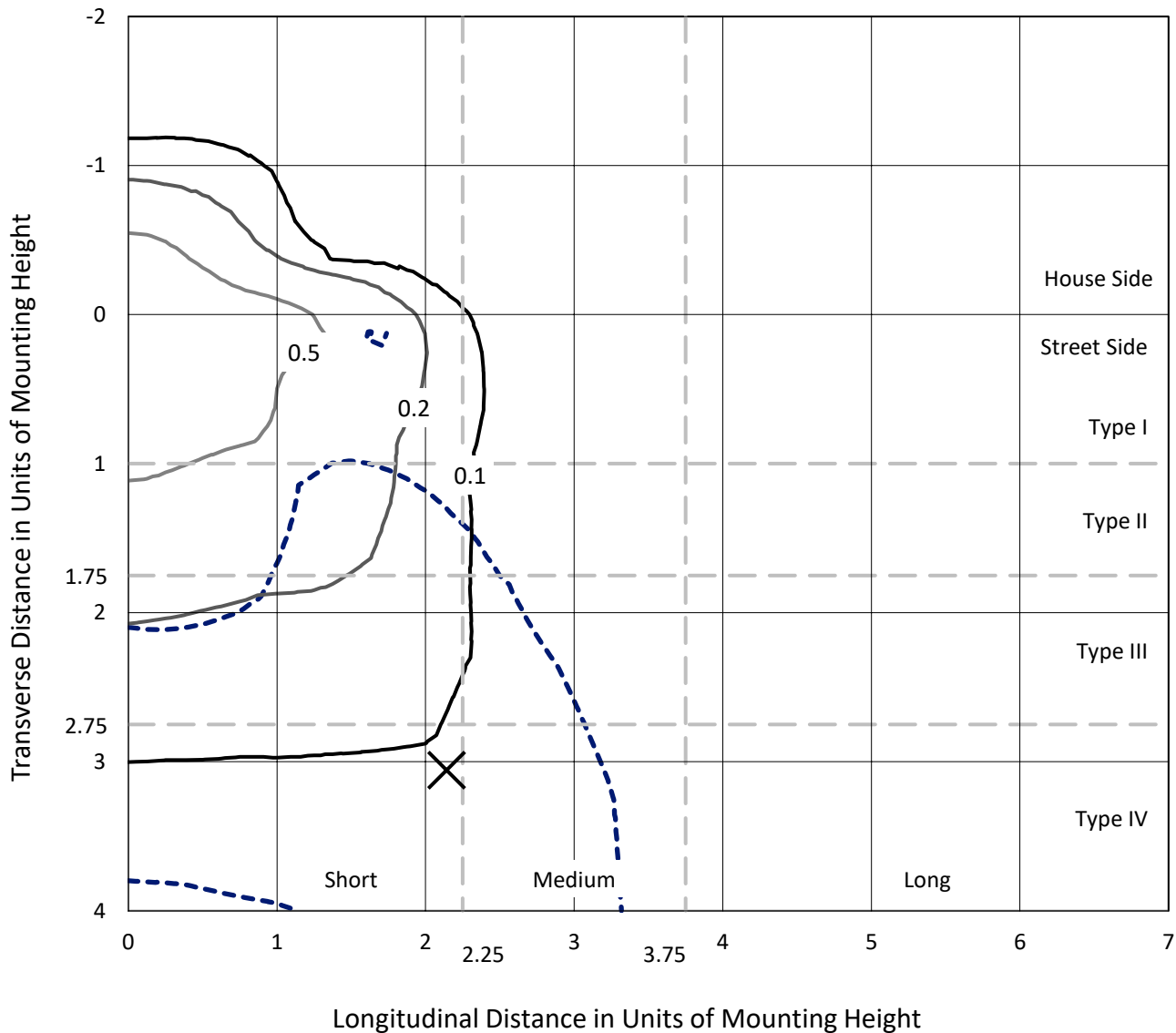
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

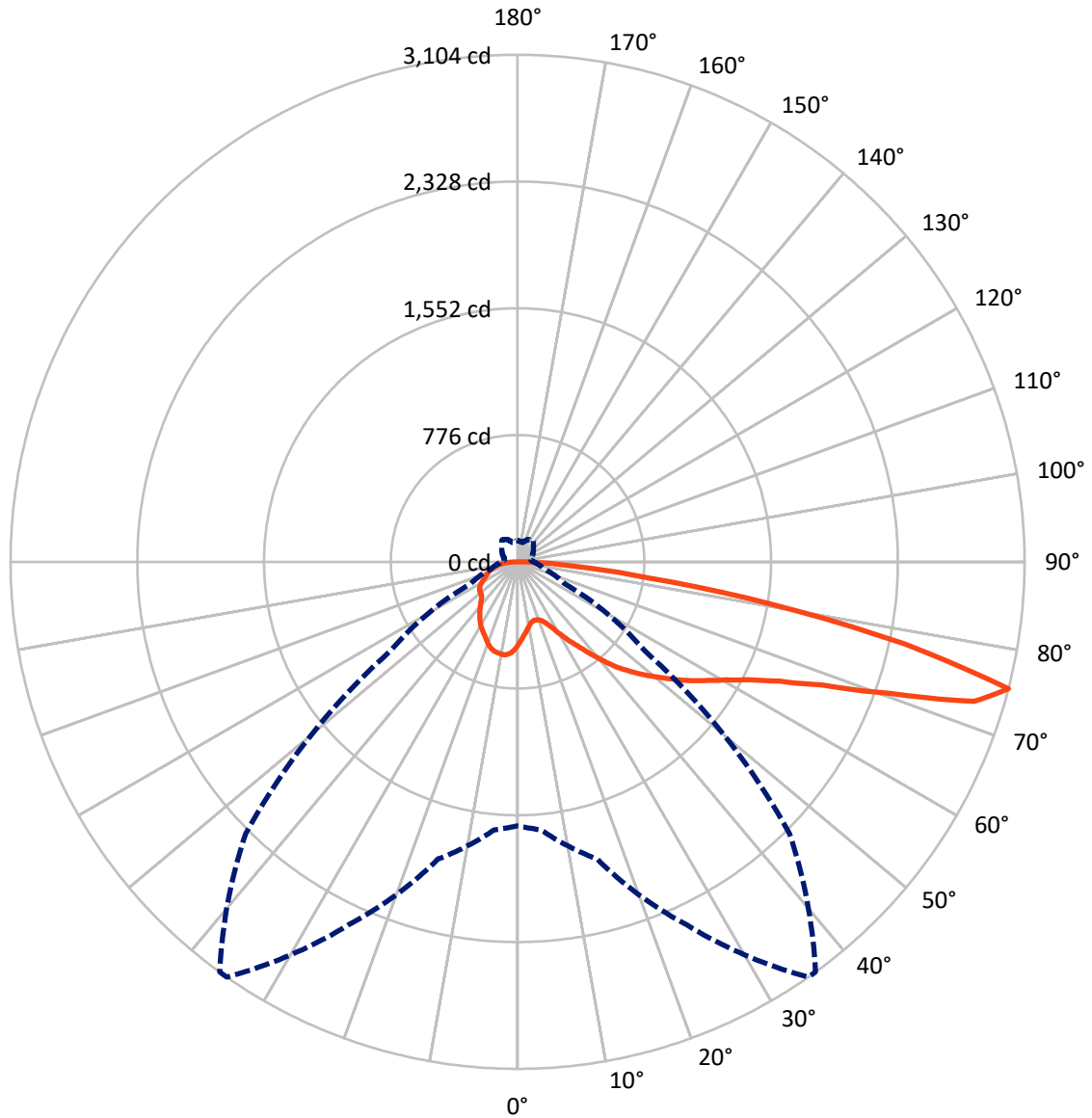
x Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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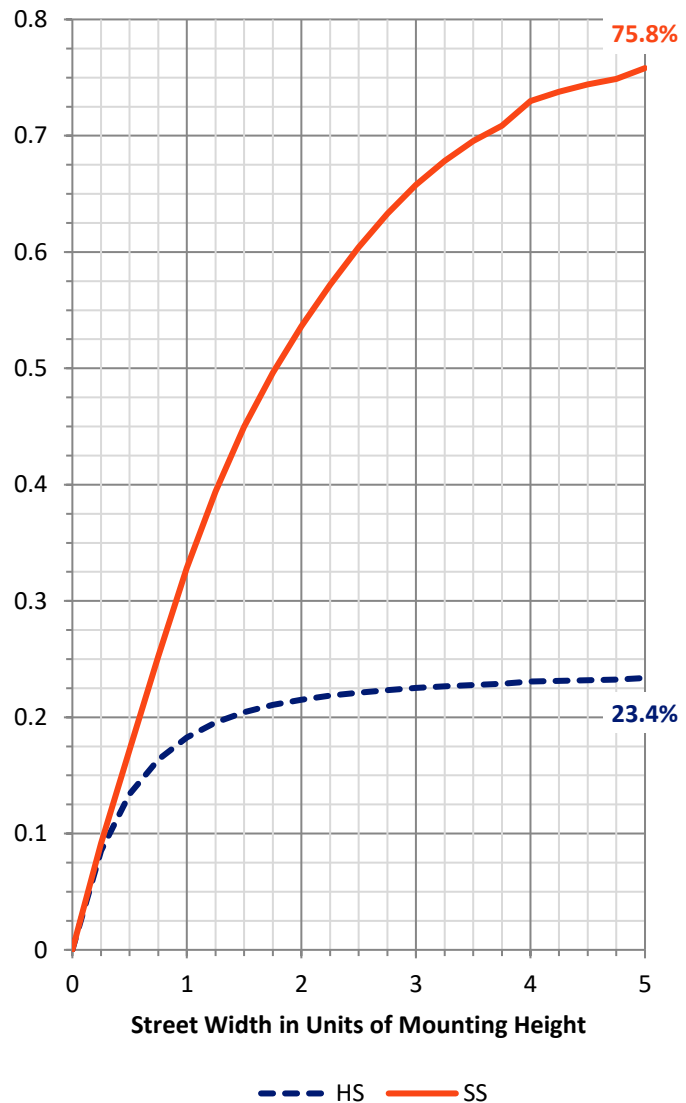
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 906.2 | 0.0 | 906.2 |
| | % Fixture | 23.8 | 0.0 | 23.8 |
| Street Side | Lumens | 2901.8 | 0.0 | 2901.8 |
| | % Fixture | 76.2 | 0.0 | 76.2 |
| Total | Lumens | 3808.0 | 0.0 | 3808.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 48.0 | 1.3 |
| 10°-20° | 138.6 | 3.6 |
| 20°-30° | 232.7 | 6.1 |
| 30°-40° | 361.7 | 9.5 |
| 40°-50° | 536.8 | 14.1 |
| 50°-60° | 741.1 | 19.5 |
| 60°-70° | 899.1 | 23.6 |
| 70°-80° | 743.1 | 19.5 |
| 80°-90° | 106.9 | 2.8 |
| 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° | 3808.0 | 100.0 |
| 0°-180° | 3808.0 | 100.0 |

Coefficient of Utilization



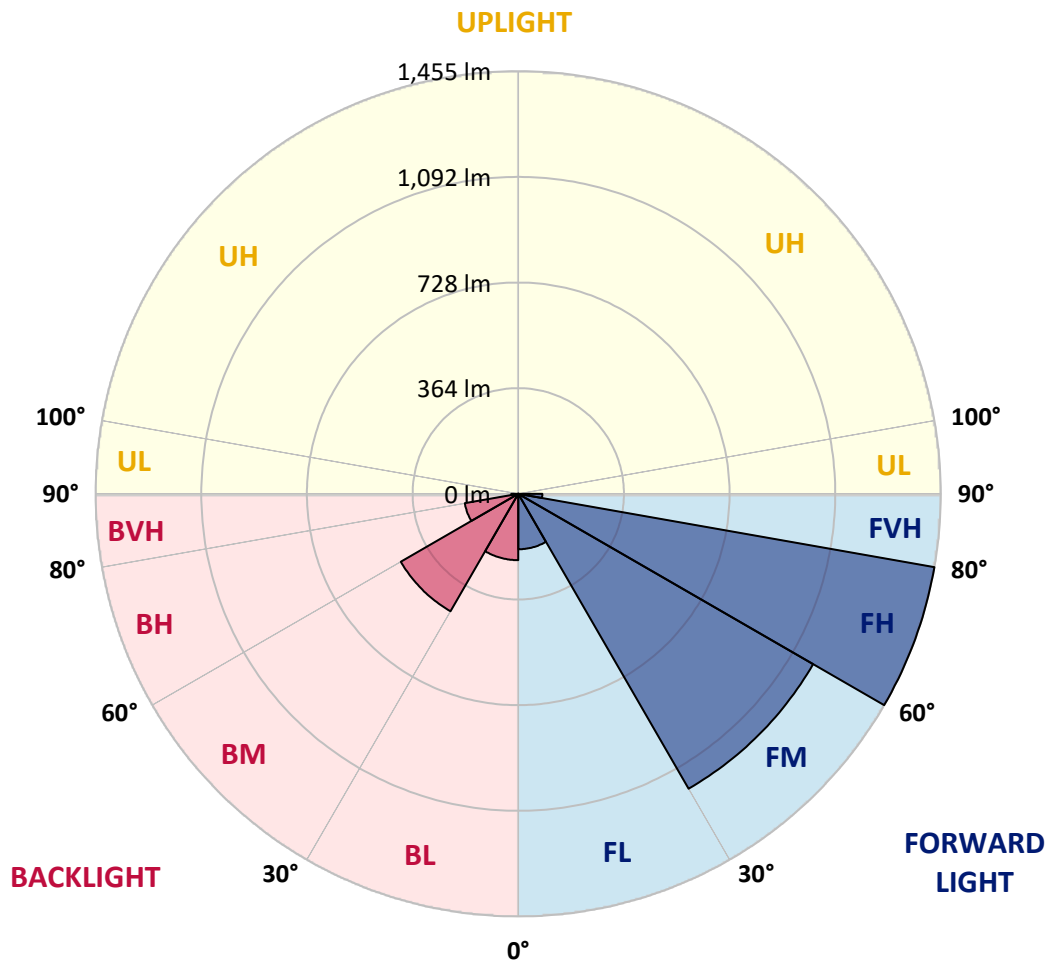
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 191.0 | 5.0 | | | |
| FM (30°-60°) | 1172.7 | 30.8 | | | |
| FH (60°-80°) | 1455.4 | 38.2 | | | G1/1800 |
| FVH (80°-90°) | 82.8 | 2.2 | | | G1/100 |
| BL (0°-30°) | 228.4 | 6.0 | B1/500 | | |
| BM (30°-60°) | 466.9 | 12.3 | B1/1000 | | |
| BH (60°-80°) | 186.8 | 4.9 | B1/500 | | G1/500 |
| BVH (80°-90°) | 24.1 | 0.6 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 36° | 45° | 55° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 507.4 | 507.4 | 507.4 | 507.4 | 507.4 | 507.4 | 507.4 | 507.4 | 507.4 | 507.4 |
| 2.5° | 467.9 | 470.8 | 472.0 | 471.4 | 474.5 | 474.1 | 478.4 | 483.8 | 491.2 | 498.4 |
| 5° | 431.9 | 435.0 | 437.7 | 440.1 | 446.1 | 447.9 | 454.7 | 465.0 | 478.6 | 492.4 |
| 7.5° | 398.3 | 401.0 | 405.1 | 409.7 | 419.7 | 421.6 | 432.9 | 449.0 | 467.9 | 488.1 |
| 10° | 371.0 | 373.6 | 378.0 | 383.1 | 395.7 | 397.9 | 412.3 | 433.7 | 458.4 | 484.0 |
| 12.5° | 359.2 | 360.0 | 362.5 | 367.7 | 378.6 | 380.0 | 395.9 | 420.4 | 449.2 | 480.9 |
| 15° | 358.6 | 360.3 | 360.5 | 363.1 | 372.2 | 372.8 | 387.4 | 411.7 | 443.4 | 480.3 |
| 17.5° | 364.8 | 366.0 | 364.2 | 365.8 | 373.4 | 374.5 | 386.0 | 407.6 | 441.6 | 482.9 |
| 20° | 381.3 | 382.3 | 376.7 | 374.5 | 380.0 | 380.8 | 392.2 | 410.3 | 443.4 | 488.5 |
| 22.5° | 416.2 | 416.9 | 403.3 | 394.0 | 394.4 | 394.8 | 404.7 | 421.2 | 450.6 | 498.6 |
| 25° | 470.8 | 470.4 | 448.8 | 430.9 | 420.6 | 418.3 | 424.9 | 438.9 | 462.8 | 512.0 |
| 27.5° | 534.6 | 531.5 | 509.9 | 483.2 | 460.7 | 457.4 | 456.0 | 461.9 | 480.1 | 529.7 |
| 30° | 606.7 | 603.8 | 580.5 | 545.5 | 514.4 | 509.1 | 495.5 | 492.4 | 505.8 | 553.8 |
| 32.5° | 685.7 | 683.9 | 656.1 | 613.7 | 572.1 | 565.9 | 543.1 | 534.8 | 545.3 | 590.2 |
| 35° | 752.0 | 750.4 | 727.3 | 683.7 | 632.8 | 625.2 | 601.9 | 592.7 | 598.0 | 636.9 |
| 37.5° | 811.9 | 811.1 | 791.3 | 756.9 | 704.4 | 695.2 | 669.0 | 666.0 | 664.9 | 698.5 |
| 40° | 867.5 | 865.4 | 844.8 | 826.7 | 787.8 | 779.4 | 756.3 | 753.6 | 745.8 | 774.2 |
| 42.5° | 929.0 | 923.7 | 893.8 | 885.4 | 874.9 | 867.9 | 854.1 | 854.5 | 837.2 | 859.7 |
| 45° | 979.3 | 976.2 | 945.5 | 940.6 | 951.9 | 949.0 | 960.9 | 964.0 | 930.5 | 949.2 |
| 47.5° | 1033.2 | 1030.3 | 1004.4 | 1000.9 | 1031.6 | 1032.4 | 1074.6 | 1075.6 | 1021.5 | 1042.3 |
| 50° | 1099.7 | 1095.6 | 1069.8 | 1074.2 | 1108.5 | 1111.6 | 1188.8 | 1181.8 | 1105.3 | 1136.8 |
| 52.5° | 1143.5 | 1146.0 | 1140.5 | 1147.5 | 1194.4 | 1197.3 | 1301.2 | 1283.3 | 1188.2 | 1230.0 |
| 55° | 1175.9 | 1180.8 | 1198.1 | 1214.2 | 1285.0 | 1287.9 | 1407.3 | 1379.9 | 1257.0 | 1316.5 |
| 57.5° | 1217.4 | 1210.4 | 1242.8 | 1274.1 | 1371.0 | 1378.6 | 1510.4 | 1472.9 | 1317.9 | 1391.0 |
| 60° | 1277.1 | 1272.2 | 1297.3 | 1343.6 | 1467.4 | 1479.5 | 1619.5 | 1556.7 | 1362.6 | 1450.1 |
| 62.5° | 1398.2 | 1385.8 | 1389.8 | 1430.7 | 1588.8 | 1604.9 | 1742.6 | 1629.8 | 1384.8 | 1473.1 |
| 65° | 1579.1 | 1557.9 | 1538.2 | 1566.6 | 1759.9 | 1775.7 | 1881.5 | 1687.2 | 1376.6 | 1428.5 |
| 67.5° | 1807.0 | 1786.0 | 1761.7 | 1788.5 | 2011.9 | 2024.4 | 2053.0 | 1719.5 | 1311.7 | 1256.4 |
| 70° | 1995.0 | 1987.2 | 2016.2 | 2126.3 | 2414.3 | 2414.7 | 2272.9 | 1692.8 | 1134.1 | 890.8 |
| 72.5° | 1970.1 | 1965.3 | 2118.3 | 2458.8 | 2921.5 | 2910.6 | 2481.0 | 1490.2 | 763.9 | 401.8 |
| 75° | 1616.2 | 1646.9 | 1883.8 | 2452.8 | 3103.7 | 3102.3 | 2353.6 | 947.4 | 316.0 | 166.5 |
| 77.5° | 866.7 | 915.2 | 1223.0 | 1810.9 | 2423.0 | 2459.4 | 1654.7 | 331.4 | 135.7 | 106.6 |
| 80° | 282.6 | 325.1 | 487.5 | 922.0 | 1574.4 | 1567.6 | 709.2 | 130.1 | 92.8 | 75.6 |
| 82.5° | 120.0 | 125.0 | 217.8 | 435.4 | 808.0 | 795.4 | 225.8 | 74.7 | 65.3 | 51.7 |
| 85° | 46.9 | 52.5 | 96.1 | 201.3 | 350.0 | 342.3 | 81.5 | 37.1 | 41.8 | 33.8 |
| 87.5° | 15.4 | 18.7 | 34.4 | 69.0 | 108.9 | 105.0 | 20.0 | 12.8 | 18.1 | 15.4 |
| 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° |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 507.4 | 0° | 507.4 | 507.4 | 507.4 | 507.4 | 507.4 | 507.4 | 507.4 | 507.4 | 507.4 | 507.4 |
| 508.9 | 2.5° | 511.8 | 515.1 | 519.0 | 524.7 | 529.7 | 533.8 | 538.1 | 540.8 | 541.8 | 544.9 |
| 509.7 | 5° | 515.5 | 522.7 | 532.4 | 541.8 | 551.1 | 556.6 | 561.6 | 564.1 | 566.3 | 568.0 |
| 512.0 | 7.5° | 521.6 | 530.9 | 546.1 | 558.5 | 566.3 | 570.8 | 574.1 | 573.3 | 574.1 | 574.6 |
| 514.4 | 10° | 527.0 | 540.0 | 558.1 | 569.8 | 575.8 | 576.0 | 575.2 | 572.3 | 570.8 | 571.1 |
| 518.1 | 12.5° | 533.4 | 547.8 | 567.3 | 577.2 | 578.9 | 574.3 | 570.8 | 565.9 | 564.1 | 563.2 |
| 523.7 | 15° | 542.0 | 558.5 | 577.4 | 581.1 | 577.0 | 571.3 | 565.3 | 557.3 | 553.1 | 549.8 |
| 533.2 | 17.5° | 552.5 | 570.6 | 585.3 | 582.6 | 573.7 | 564.3 | 554.6 | 542.4 | 534.0 | 530.5 |
| 546.1 | 20° | 567.1 | 583.4 | 591.2 | 579.5 | 566.1 | 551.7 | 535.2 | 520.4 | 512.6 | 509.1 |
| 562.6 | 22.5° | 584.8 | 600.5 | 597.0 | 574.1 | 555.2 | 532.1 | 511.6 | 500.6 | 496.7 | 494.3 |
| 583.8 | 25° | 606.0 | 619.4 | 601.1 | 566.3 | 537.3 | 506.2 | 490.4 | 486.9 | 485.0 | 483.2 |
| 609.8 | 27.5° | 633.6 | 640.8 | 604.2 | 554.8 | 509.3 | 478.6 | 472.9 | 473.5 | 472.9 | 469.8 |
| 645.8 | 30° | 670.1 | 668.6 | 607.1 | 536.1 | 477.2 | 453.7 | 454.1 | 456.8 | 457.2 | 455.2 |
| 696.0 | 32.5° | 718.0 | 703.4 | 608.5 | 511.8 | 446.5 | 431.9 | 432.3 | 435.2 | 437.2 | 433.7 |
| 761.7 | 35° | 776.1 | 744.0 | 606.3 | 481.3 | 422.8 | 411.1 | 408.0 | 408.8 | 409.5 | 406.2 |
| 841.3 | 37.5° | 843.8 | 789.5 | 596.2 | 447.5 | 403.3 | 390.7 | 384.1 | 378.6 | 375.3 | 372.2 |
| 931.5 | 40° | 918.1 | 839.1 | 577.6 | 414.6 | 381.5 | 369.1 | 359.2 | 348.7 | 337.6 | 333.5 |
| 1027.0 | 42.5° | 995.9 | 890.1 | 555.2 | 383.1 | 356.3 | 346.3 | 335.8 | 320.5 | 303.8 | 295.4 |
| 1126.3 | 45° | 1076.6 | 942.4 | 533.2 | 352.0 | 330.6 | 326.3 | 314.1 | 295.8 | 277.7 | 267.0 |
| 1225.7 | 47.5° | 1155.7 | 991.8 | 500.9 | 320.7 | 306.5 | 311.3 | 301.8 | 284.9 | 264.7 | 247.9 |
| 1324.3 | 50° | 1231.2 | 1038.1 | 447.9 | 289.0 | 287.0 | 306.7 | 297.7 | 273.4 | 250.3 | 228.7 |
| 1421.0 | 52.5° | 1306.2 | 1075.6 | 380.2 | 260.2 | 276.5 | 305.5 | 292.3 | 265.6 | 237.4 | 214.7 |
| 1512.0 | 55° | 1369.8 | 1095.0 | 315.0 | 235.5 | 261.2 | 295.0 | 285.9 | 256.3 | 219.0 | 194.9 |
| 1574.4 | 57.5° | 1406.0 | 1079.3 | 260.6 | 211.2 | 240.2 | 277.7 | 275.0 | 236.5 | 197.2 | 178.7 |
| 1586.6 | 60° | 1390.4 | 1015.9 | 216.2 | 190.0 | 220.3 | 259.0 | 256.1 | 217.0 | 180.5 | 163.0 |
| 1521.5 | 62.5° | 1304.1 | 895.1 | 180.9 | 171.5 | 202.2 | 239.8 | 237.1 | 201.9 | 167.8 | 150.9 |
| 1348.8 | 65° | 1130.4 | 728.1 | 153.6 | 156.0 | 183.8 | 216.8 | 220.7 | 189.4 | 157.7 | 141.2 |
| 1043.5 | 67.5° | 862.1 | 527.4 | 132.2 | 142.7 | 165.9 | 194.1 | 205.4 | 180.3 | 149.2 | 133.6 |
| 603.8 | 70° | 491.4 | 299.5 | 114.0 | 129.7 | 150.1 | 173.1 | 193.7 | 173.1 | 140.2 | 127.2 |
| 226.2 | 72.5° | 186.3 | 137.5 | 98.6 | 116.7 | 134.8 | 155.4 | 180.7 | 161.8 | 129.7 | 120.0 |
| 116.9 | 75° | 99.4 | 83.8 | 83.0 | 101.5 | 117.3 | 138.1 | 164.5 | 150.7 | 121.9 | 126.8 |
| 80.9 | 77.5° | 67.7 | 59.3 | 69.4 | 86.9 | 98.2 | 119.0 | 147.2 | 133.8 | 105.6 | 105.2 |
| 56.0 | 80° | 46.9 | 42.0 | 56.4 | 70.0 | 76.0 | 100.0 | 128.5 | 114.9 | 86.0 | 80.3 |
| 34.6 | 82.5° | 28.2 | 27.4 | 42.2 | 52.3 | 53.7 | 77.2 | 106.4 | 96.3 | 70.4 | 61.3 |
| 20.6 | 85° | 15.4 | 16.3 | 27.0 | 30.7 | 31.3 | 53.9 | 83.4 | 74.5 | 54.1 | 45.5 |
| 7.4 | 87.5° | 4.3 | 5.6 | 9.9 | 12.1 | 15.0 | 28.0 | 49.6 | 44.3 | 27.2 | 18.9 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END O

| 180° |
|-------|
| 507.4 |
| 544.7 |
| 568.4 |
| 575.2 |
| 571.5 |
| 562.8 |
| 550.9 |
| 530.7 |
| 508.7 |
| 494.7 |
| 483.2 |
| 470.4 |
| 456.2 |
| 435.4 |
| 408.4 |
| 374.3 |
| 335.3 |
| 296.4 |
| 266.2 |
| 246.0 |
| 226.9 |
| 212.2 |
| 192.9 |
| 176.2 |
| 160.6 |
| 148.2 |
| 138.5 |
| 131.1 |
| 125.6 |
| 118.4 |
| 130.9 |
| 97.0 |
| 76.8 |
| 61.8 |
| 45.9 |
| 18.9 |
| 0.0 |

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