

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P629636

Luminaire Tested: GWS-SA1C-722-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2951.8 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

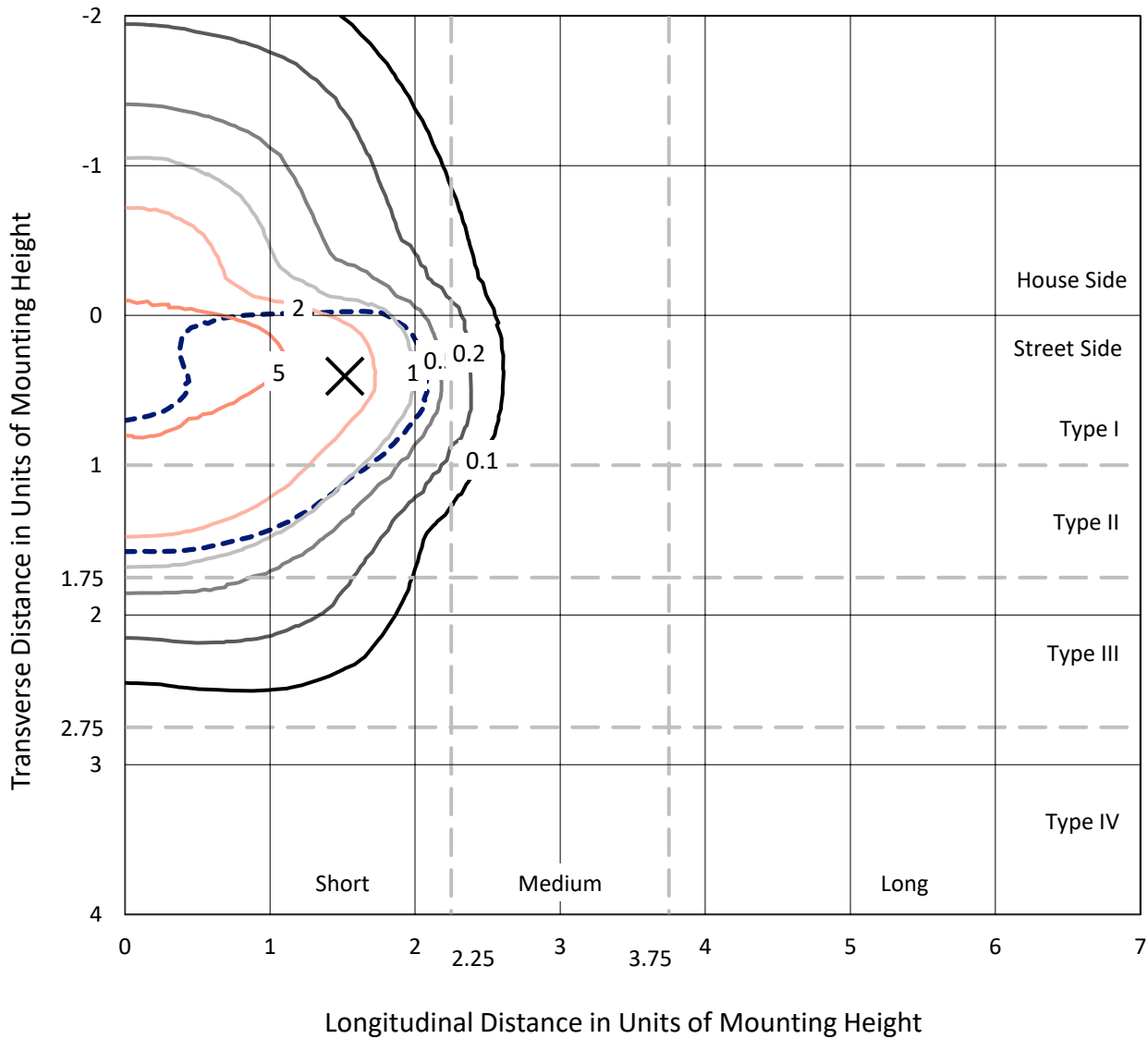
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

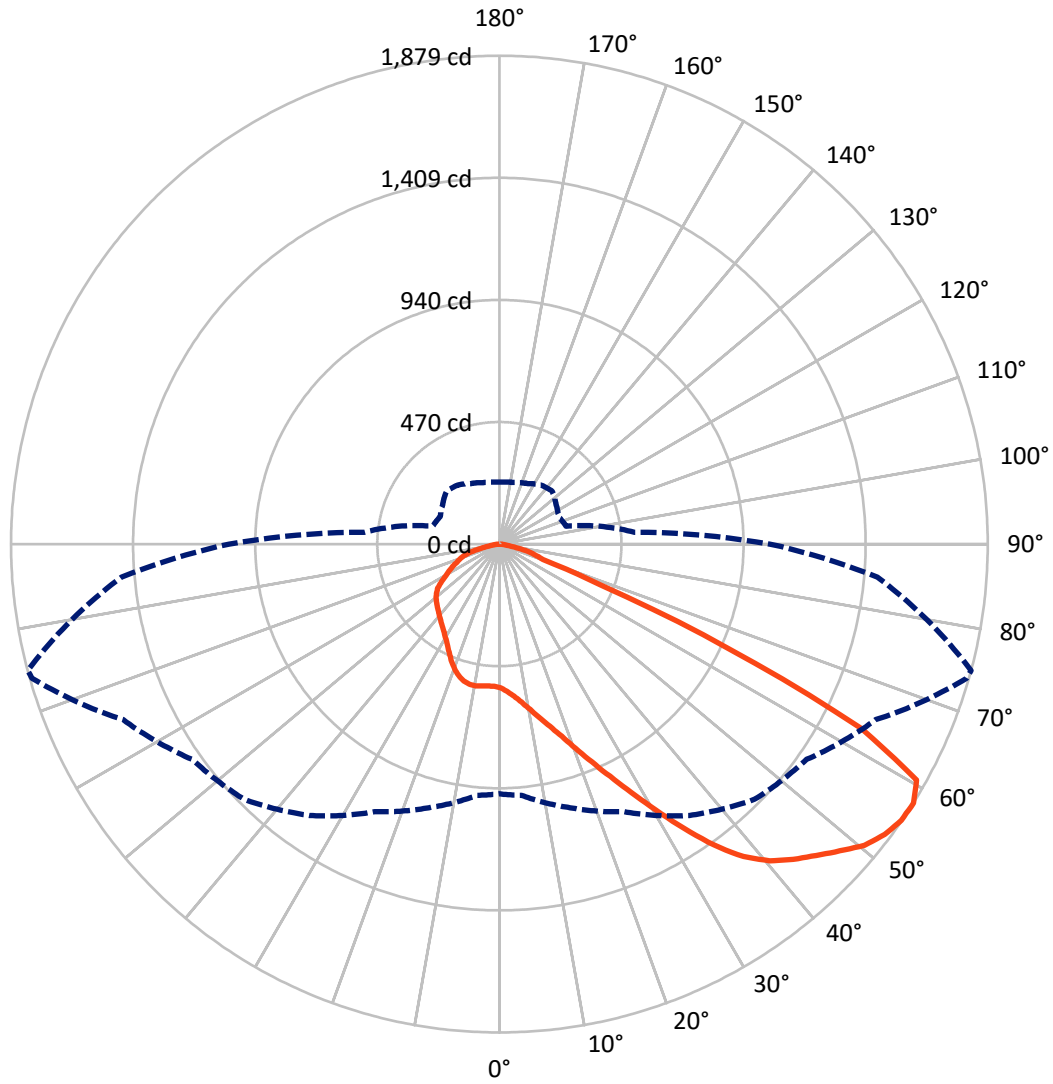
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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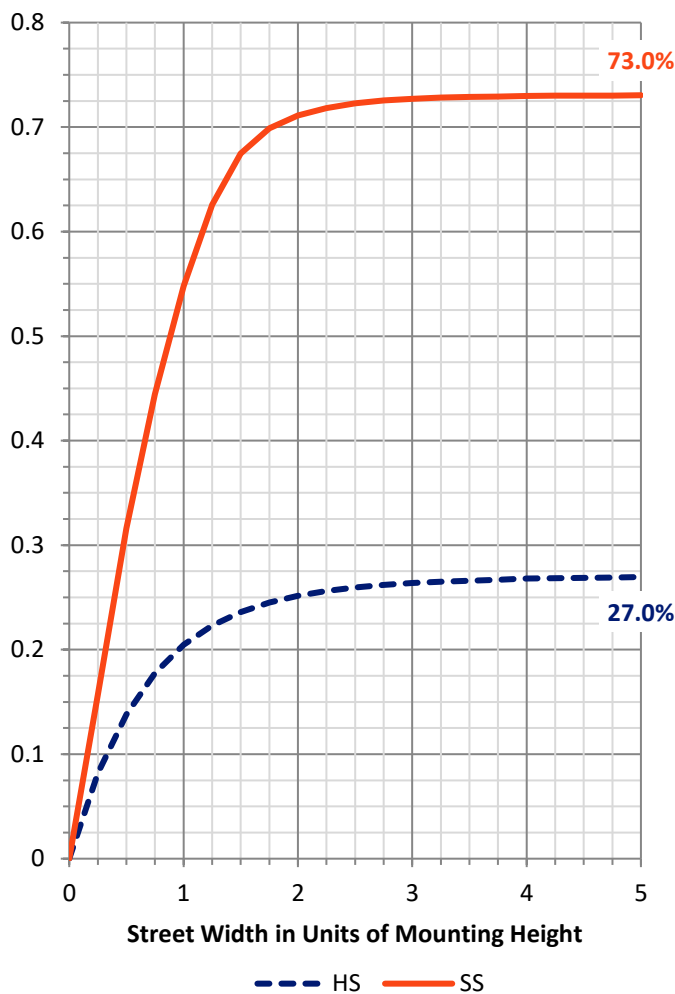
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 798.5 | 0.0 | 798.5 |
| | % Fixture | 27.1 | 0.0 | 27.1 |
| Street Side | Lumens | 2153.3 | 0.0 | 2153.3 |
| | % Fixture | 72.9 | 0.0 | 72.9 |
| Total | Lumens | 2951.8 | 0.0 | 2951.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 55.3 | 1.9 |
| 10°-20° | 176.1 | 6.0 |
| 20°-30° | 312.3 | 10.6 |
| 30°-40° | 478.2 | 16.2 |
| 40°-50° | 665.8 | 22.6 |
| 50°-60° | 762.9 | 25.8 |
| 60°-70° | 392.0 | 13.3 |
| 70°-80° | 98.7 | 3.3 |
| 80°-90° | 10.6 | 0.4 |
| 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° | 2951.8 | 100.0 |
| 0°-180° | 2951.8 | 100.0 |

Coefficient of Utilization

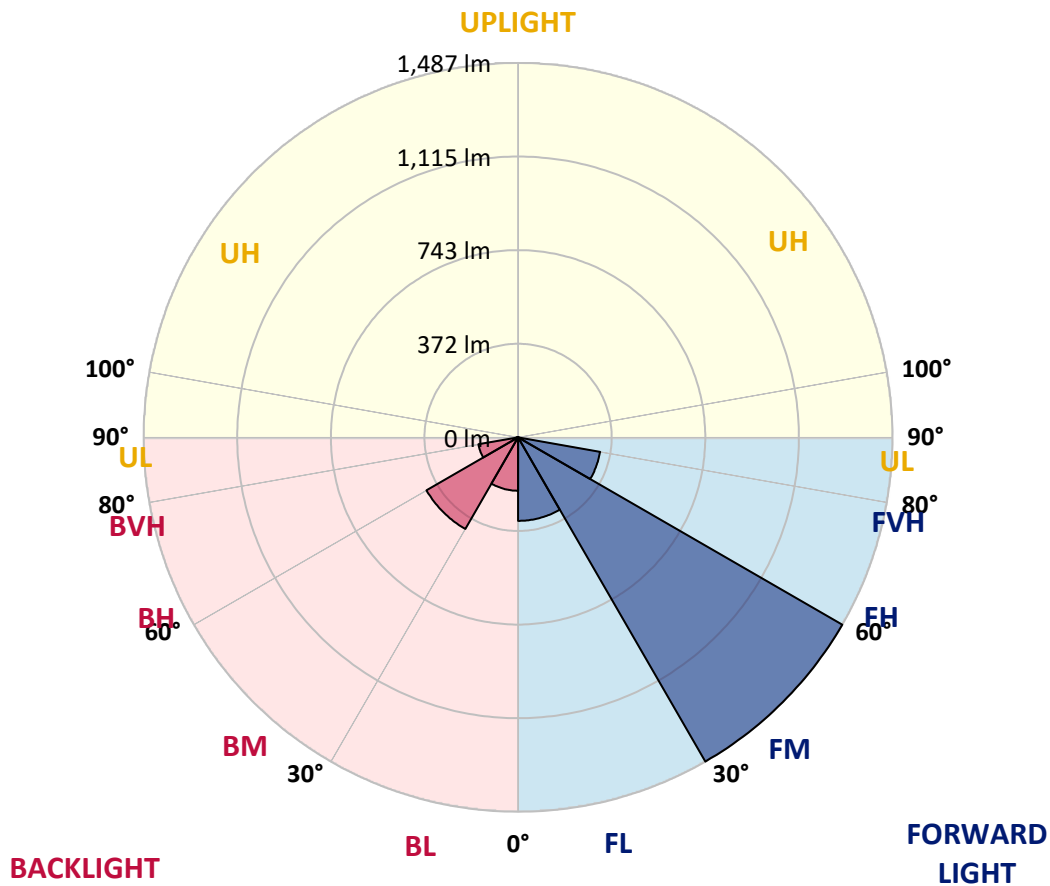


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 331.7 | 11.2 | | | |
| FM (30°-60°) | 1486.9 | 50.4 | | | |
| FH (60°-80°) | 330.9 | 11.2 | | | G0/660 |
| FVH (80°-90°) | 3.9 | 0.1 | | | G0/10 |
| BL (0°-30°) | 212.1 | 7.2 | B1/500 | | |
| BM (30°-60°) | 420.0 | 14.2 | B1/1000 | | |
| BH (60°-80°) | 159.8 | 5.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 6.6 | 0.2 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 74° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 552.8 | 552.8 | 552.8 | 552.8 | 552.8 | 552.8 | 552.8 | 552.8 | 552.8 | 552.8 | 552.8 |
| 2.5° | 593.9 | 595.4 | 593.9 | 596.5 | 591.4 | 589.1 | 583.5 | 575.1 | 568.5 | 567.5 | 560.2 |
| 5° | 640.1 | 643.4 | 641.4 | 640.4 | 633.5 | 628.4 | 620.1 | 603.3 | 589.6 | 587.6 | 573.1 |
| 7.5° | 669.8 | 672.1 | 672.1 | 672.9 | 670.3 | 664.5 | 655.6 | 635.8 | 616.5 | 613.5 | 591.6 |
| 10° | 679.7 | 681.5 | 684.8 | 691.1 | 696.2 | 698.0 | 692.1 | 673.1 | 649.5 | 646.5 | 616.0 |
| 12.5° | 682.0 | 684.0 | 689.1 | 700.8 | 714.7 | 727.4 | 728.4 | 714.5 | 688.1 | 684.8 | 644.2 |
| 15° | 686.3 | 688.3 | 695.2 | 709.7 | 730.2 | 754.6 | 769.6 | 759.9 | 730.7 | 727.2 | 676.2 |
| 17.5° | 685.8 | 688.1 | 698.2 | 717.5 | 745.2 | 780.5 | 809.4 | 813.5 | 783.3 | 777.2 | 712.4 |
| 20° | 684.5 | 686.6 | 697.5 | 721.1 | 755.3 | 803.8 | 856.1 | 877.2 | 844.7 | 839.1 | 754.8 |
| 22.5° | 694.7 | 697.0 | 705.3 | 724.9 | 760.7 | 821.8 | 899.3 | 950.0 | 917.5 | 909.7 | 803.6 |
| 25° | 717.5 | 720.8 | 725.9 | 739.4 | 770.3 | 837.8 | 943.4 | 1032.5 | 999.3 | 989.9 | 856.6 |
| 27.5° | 752.8 | 756.9 | 764.0 | 770.3 | 791.9 | 858.1 | 987.3 | 1124.9 | 1091.6 | 1081.7 | 912.7 |
| 30° | 796.0 | 801.3 | 810.4 | 814.7 | 829.5 | 888.1 | 1035.0 | 1220.1 | 1200.8 | 1187.1 | 975.9 |
| 32.5° | 855.6 | 863.0 | 871.6 | 872.9 | 881.7 | 933.5 | 1082.3 | 1314.5 | 1314.2 | 1304.6 | 1047.7 |
| 35° | 933.3 | 941.1 | 942.9 | 944.7 | 949.0 | 996.0 | 1139.4 | 1400.5 | 1433.8 | 1422.6 | 1125.9 |
| 37.5° | 1018.0 | 1029.5 | 1032.3 | 1024.4 | 1030.5 | 1071.1 | 1203.6 | 1469.6 | 1537.8 | 1525.9 | 1201.5 |
| 40° | 1108.6 | 1113.2 | 1120.8 | 1108.4 | 1116.0 | 1157.1 | 1266.5 | 1513.7 | 1615.5 | 1602.8 | 1261.2 |
| 42.5° | 1173.6 | 1182.0 | 1193.4 | 1188.9 | 1193.2 | 1230.7 | 1310.7 | 1535.1 | 1670.8 | 1658.2 | 1304.1 |
| 45° | 1244.2 | 1246.7 | 1254.1 | 1253.1 | 1255.6 | 1290.6 | 1342.4 | 1544.4 | 1720.3 | 1708.9 | 1340.6 |
| 47.5° | 1305.6 | 1309.4 | 1314.2 | 1308.7 | 1303.1 | 1325.9 | 1368.3 | 1552.6 | 1777.4 | 1763.7 | 1379.0 |
| 50° | 1364.7 | 1368.0 | 1373.9 | 1357.6 | 1336.8 | 1342.7 | 1381.0 | 1563.7 | 1831.0 | 1821.4 | 1409.2 |
| 52.5° | 1375.7 | 1379.2 | 1406.6 | 1409.9 | 1383.3 | 1362.7 | 1403.3 | 1588.4 | 1862.5 | 1856.4 | 1420.1 |
| 55° | 1238.3 | 1244.7 | 1299.3 | 1362.0 | 1427.7 | 1421.1 | 1439.1 | 1601.3 | 1874.9 | 1876.4 | 1439.6 |
| 57.5° | 961.2 | 970.3 | 1050.0 | 1136.1 | 1274.4 | 1388.9 | 1443.7 | 1598.0 | 1870.6 | 1879.0 | 1459.7 |
| 60° | 630.5 | 635.8 | 730.2 | 826.7 | 970.1 | 1128.4 | 1292.2 | 1538.6 | 1832.3 | 1844.2 | 1454.6 |
| 62.5° | 380.7 | 386.8 | 462.7 | 535.8 | 620.3 | 726.2 | 876.4 | 1236.6 | 1535.8 | 1562.5 | 1165.0 |
| 65° | 265.7 | 273.9 | 340.4 | 400.5 | 429.7 | 407.9 | 443.9 | 690.6 | 956.9 | 968.0 | 711.9 |
| 67.5° | 192.6 | 198.2 | 252.8 | 324.4 | 356.6 | 288.1 | 219.5 | 305.8 | 416.8 | 420.8 | 293.7 |
| 70° | 126.1 | 132.5 | 182.0 | 247.0 | 291.1 | 233.5 | 164.2 | 165.5 | 175.4 | 177.4 | 170.6 |
| 72.5° | 69.3 | 73.1 | 112.4 | 164.0 | 172.1 | 139.6 | 128.2 | 137.6 | 144.4 | 144.4 | 146.2 |
| 75° | 35.8 | 39.1 | 45.9 | 54.1 | 65.2 | 76.4 | 92.4 | 106.3 | 113.7 | 114.2 | 113.5 |
| 77.5° | 18.3 | 19.5 | 24.6 | 26.7 | 29.2 | 34.0 | 44.2 | 56.6 | 63.2 | 65.7 | 65.2 |
| 80° | 8.6 | 9.1 | 10.4 | 12.2 | 15.0 | 19.0 | 23.9 | 28.4 | 32.5 | 33.0 | 35.8 |
| 82.5° | 4.6 | 5.1 | 5.6 | 6.6 | 8.1 | 10.2 | 14.0 | 16.8 | 19.3 | 19.8 | 22.1 |
| 85° | 1.8 | 2.0 | 2.3 | 2.5 | 3.6 | 4.3 | 5.8 | 7.9 | 9.6 | 9.6 | 11.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 1.0 | 1.3 | 1.8 | 1.8 | 3.0 |
| 90° | 0.0 | 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):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 552.8 | 552.8 | 552.8 | 552.8 | 552.8 | 552.8 | 552.8 | 552.8 | 552.8 | 552.8 | 552.8 |
| 2.5° | 558.4 | 551.0 | 547.7 | 542.4 | 538.1 | 533.3 | 529.5 | 526.7 | 524.9 | 523.9 | 522.9 |
| 5° | 567.5 | 556.4 | 547.5 | 536.8 | 529.5 | 522.3 | 516.5 | 512.4 | 510.4 | 508.9 | 507.9 |
| 7.5° | 581.7 | 566.8 | 550.0 | 533.5 | 520.6 | 509.1 | 501.8 | 497.5 | 494.7 | 493.7 | 492.9 |
| 10° | 601.3 | 580.5 | 552.8 | 526.7 | 507.4 | 494.9 | 489.9 | 487.8 | 488.1 | 487.6 | 487.3 |
| 12.5° | 623.4 | 594.9 | 552.0 | 514.5 | 493.2 | 485.8 | 486.0 | 489.3 | 493.2 | 494.2 | 494.4 |
| 15° | 647.2 | 609.1 | 544.7 | 498.7 | 482.0 | 482.7 | 489.3 | 497.2 | 504.3 | 507.1 | 507.6 |
| 17.5° | 673.1 | 621.1 | 531.2 | 481.5 | 472.9 | 481.0 | 493.2 | 506.1 | 516.5 | 521.1 | 522.3 |
| 20° | 702.0 | 631.2 | 512.2 | 464.5 | 464.2 | 477.7 | 495.4 | 512.4 | 525.6 | 531.7 | 532.8 |
| 22.5° | 732.8 | 637.6 | 488.8 | 448.7 | 455.3 | 473.4 | 493.7 | 511.4 | 525.4 | 531.5 | 532.8 |
| 25° | 763.7 | 639.6 | 463.2 | 434.3 | 446.2 | 466.5 | 485.0 | 499.2 | 512.4 | 517.8 | 518.8 |
| 27.5° | 792.7 | 633.8 | 438.8 | 421.8 | 437.8 | 456.4 | 468.8 | 476.4 | 485.5 | 489.6 | 490.4 |
| 30° | 822.1 | 622.1 | 418.3 | 411.9 | 428.4 | 442.4 | 448.0 | 448.5 | 452.0 | 452.0 | 452.5 |
| 32.5° | 851.8 | 604.8 | 400.3 | 402.3 | 416.8 | 425.9 | 426.7 | 420.8 | 416.5 | 409.4 | 409.1 |
| 35° | 886.1 | 587.3 | 385.5 | 391.4 | 403.1 | 408.6 | 406.4 | 395.2 | 384.8 | 373.1 | 372.6 |
| 37.5° | 917.8 | 569.3 | 373.1 | 380.2 | 387.6 | 391.6 | 386.3 | 372.8 | 364.2 | 352.3 | 350.5 |
| 40° | 943.9 | 553.1 | 361.2 | 368.5 | 372.1 | 375.6 | 367.0 | 356.1 | 357.4 | 350.8 | 350.5 |
| 42.5° | 959.2 | 537.3 | 350.0 | 355.6 | 357.9 | 360.4 | 352.8 | 344.7 | 351.5 | 346.5 | 346.7 |
| 45° | 970.3 | 523.6 | 339.9 | 341.9 | 347.5 | 351.3 | 344.2 | 335.0 | 336.6 | 317.0 | 312.4 |
| 47.5° | 983.0 | 516.0 | 330.2 | 328.2 | 338.1 | 344.7 | 333.8 | 320.6 | 311.4 | 292.1 | 290.4 |
| 50° | 996.5 | 513.2 | 320.1 | 314.5 | 326.4 | 332.7 | 320.1 | 303.6 | 291.6 | 281.2 | 280.2 |
| 52.5° | 1001.0 | 513.0 | 307.4 | 298.0 | 309.9 | 318.8 | 308.1 | 291.4 | 277.2 | 267.0 | 266.5 |
| 55° | 1019.1 | 520.3 | 291.1 | 275.4 | 286.6 | 304.8 | 297.0 | 272.8 | 261.4 | 256.9 | 256.3 |
| 57.5° | 1040.1 | 521.6 | 265.5 | 250.8 | 266.2 | 287.8 | 277.9 | 257.1 | 244.7 | 239.1 | 238.6 |
| 60° | 1031.5 | 490.4 | 238.1 | 232.0 | 249.0 | 271.8 | 262.7 | 244.7 | 230.2 | 224.9 | 224.4 |
| 62.5° | 786.1 | 346.2 | 218.0 | 215.7 | 230.5 | 248.7 | 247.0 | 228.2 | 214.5 | 210.7 | 210.2 |
| 65° | 472.9 | 243.2 | 198.7 | 198.5 | 208.9 | 226.4 | 228.7 | 213.5 | 199.0 | 193.7 | 193.7 |
| 67.5° | 233.8 | 186.0 | 176.9 | 175.6 | 182.2 | 194.7 | 204.3 | 191.9 | 179.7 | 174.6 | 173.9 |
| 70° | 165.2 | 164.0 | 160.9 | 157.4 | 158.6 | 163.7 | 167.8 | 157.4 | 144.4 | 139.3 | 138.3 |
| 72.5° | 142.9 | 143.1 | 141.1 | 138.3 | 137.3 | 133.8 | 130.2 | 122.6 | 114.7 | 109.4 | 109.9 |
| 75° | 110.9 | 111.4 | 112.7 | 111.7 | 108.9 | 105.1 | 101.3 | 91.6 | 85.3 | 80.2 | 79.2 |
| 77.5° | 64.7 | 67.3 | 71.3 | 70.3 | 70.8 | 65.5 | 64.0 | 54.6 | 48.7 | 45.2 | 44.4 |
| 80° | 36.5 | 38.1 | 39.8 | 41.1 | 39.6 | 37.3 | 34.0 | 28.9 | 27.2 | 24.6 | 24.1 |
| 82.5° | 22.1 | 23.6 | 24.4 | 25.4 | 24.9 | 21.8 | 19.3 | 16.0 | 14.5 | 13.2 | 12.9 |
| 85° | 11.2 | 12.2 | 12.9 | 13.5 | 11.9 | 9.9 | 8.9 | 7.1 | 6.1 | 5.3 | 5.3 |
| 87.5° | 2.8 | 3.0 | 3.6 | 3.0 | 2.8 | 1.3 | 1.0 | 0.3 | 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 | 0.0 |

(END OF REPORT)