

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: P630944

Luminaire Tested: GWS-SA1E-760-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-760-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4099.4 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

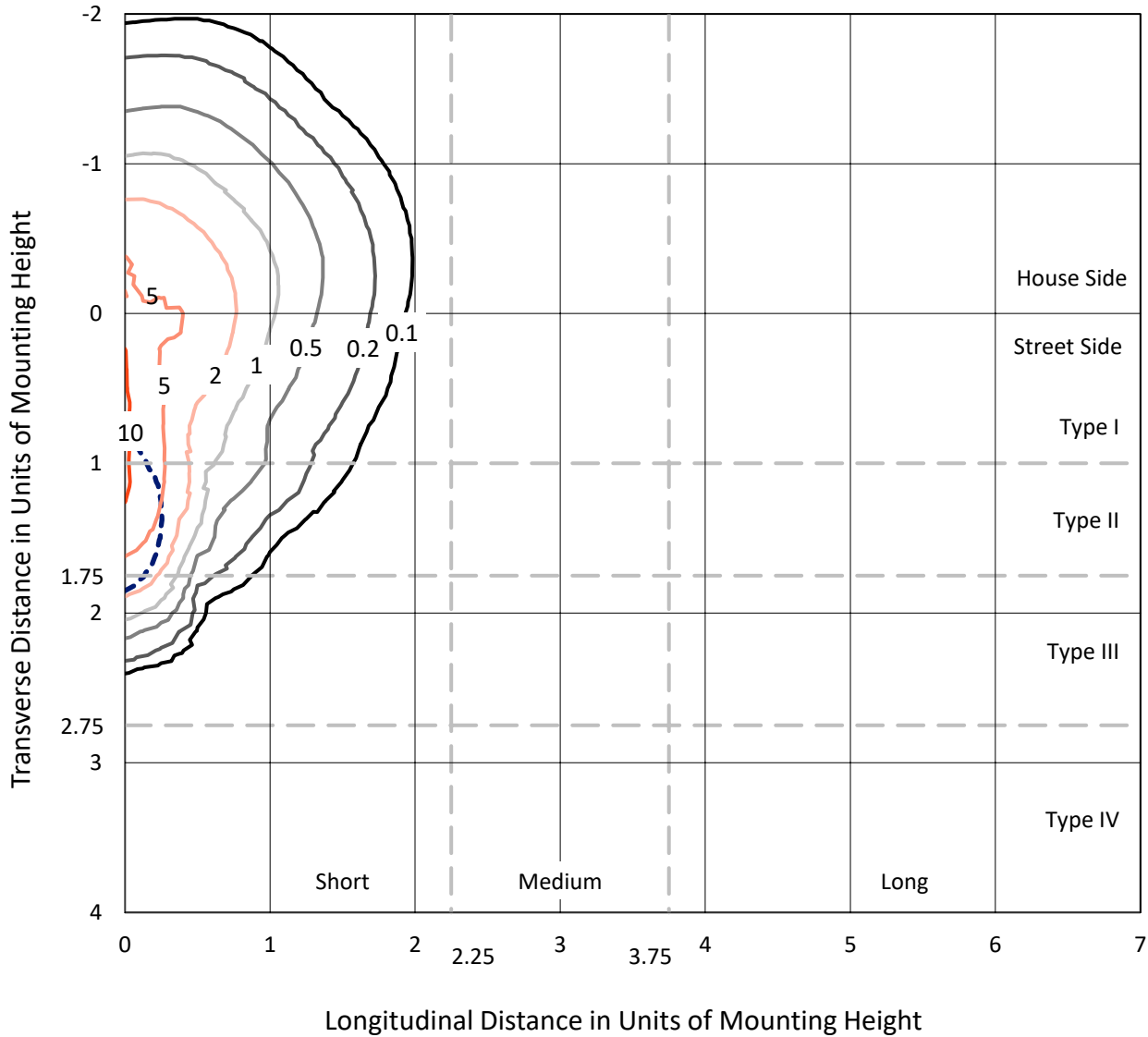
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630944
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Iso-Footcandle Lines of Horizontal Illumination

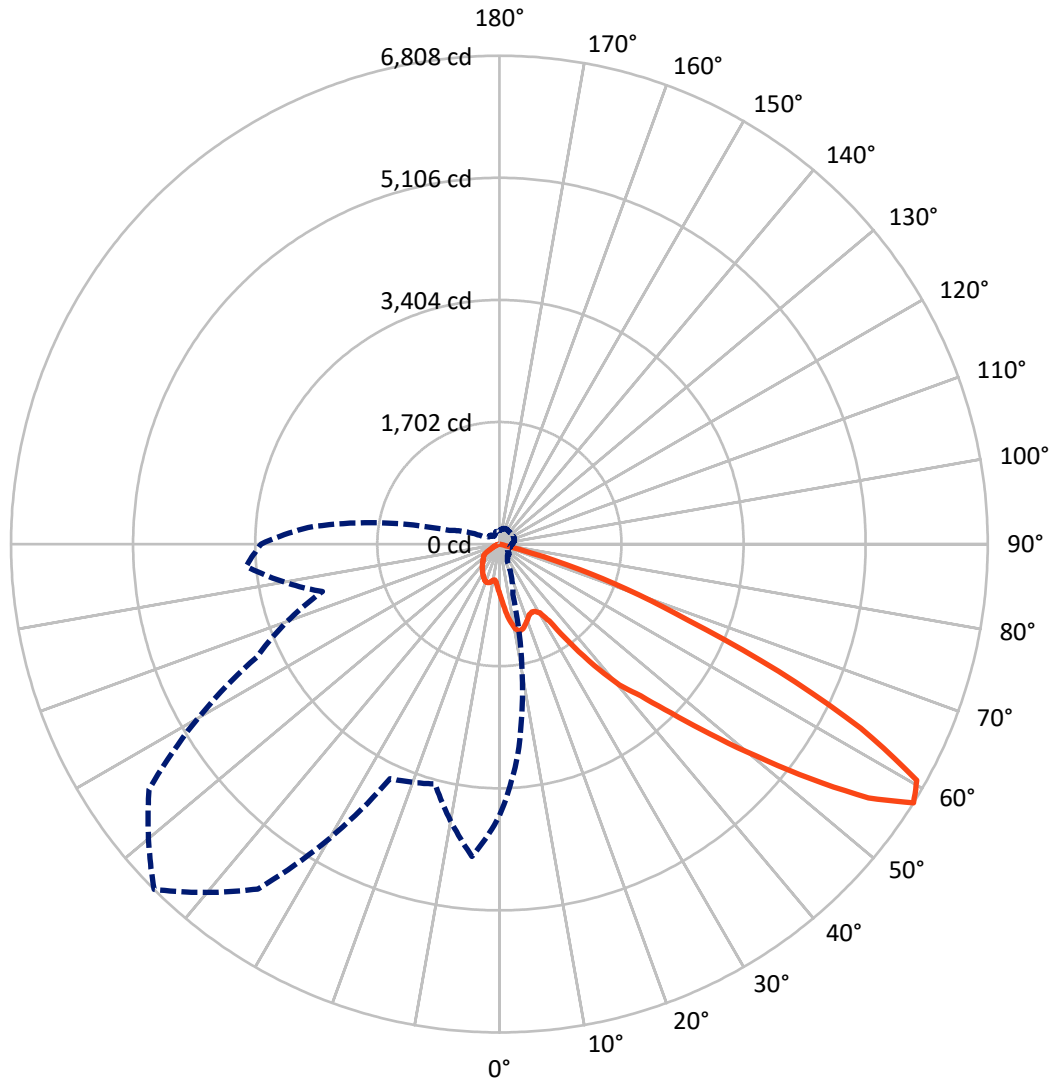
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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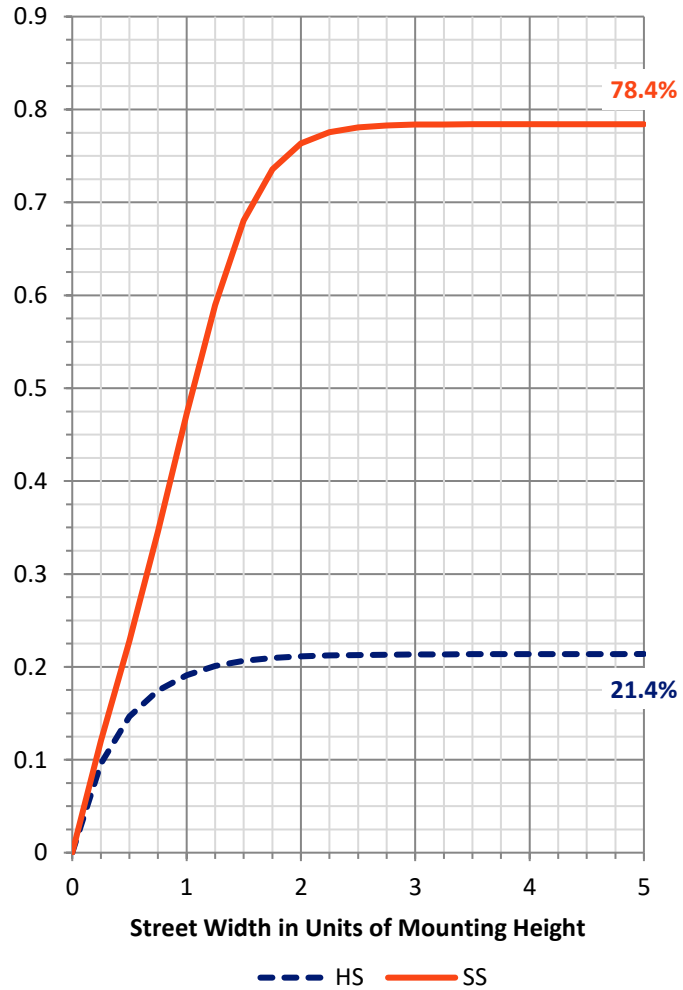
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 883.1 | 0.0 | 883.1 |
| | % Fixture | 21.5 | 0.0 | 21.5 |
| Street Side | Lumens | 3216.2 | 0.0 | 3216.2 |
| | % Fixture | 78.5 | 0.0 | 78.5 |
| Total | Lumens | 4099.4 | 0.0 | 4099.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 68.8 | 1.7 |
| 10°-20° | 226.5 | 5.5 |
| 20°-30° | 367.6 | 9.0 |
| 30°-40° | 564.2 | 13.8 |
| 40°-50° | 901.1 | 22.0 |
| 50°-60° | 1261.8 | 30.8 |
| 60°-70° | 646.9 | 15.8 |
| 70°-80° | 62.3 | 1.5 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 4099.4 | 100.0 |
| 0°-180° | 4099.4 | 100.0 |

Coefficient of Utilization



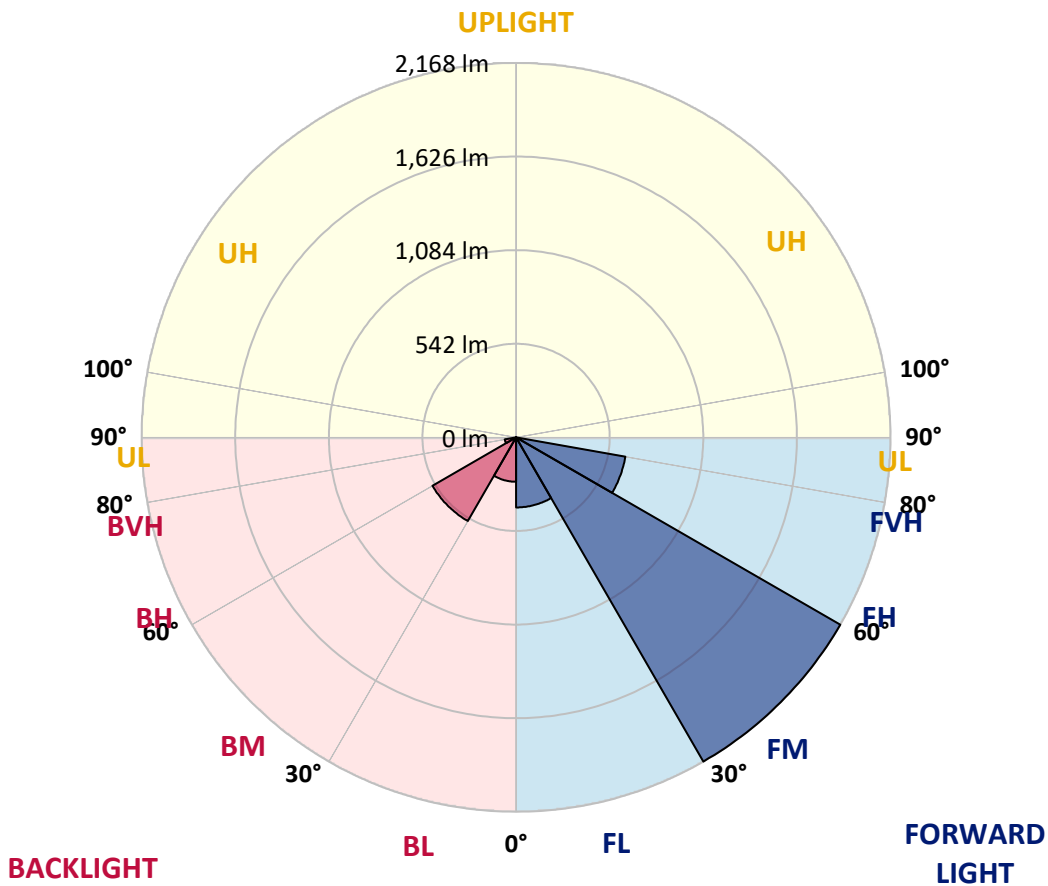
REPORT NUMBER: P630944

CATALOG NUMBER: GWS-SA1E-760-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 405.9 | 9.9 | | | |
| FM (30°-60°) | 2167.9 | 52.9 | | | |
| FH (60°-80°) | 642.5 | 15.7 | | | G0/660 |
| FVH (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| BL (0°-30°) | 257.2 | 6.3 | B1/500 | | |
| BM (30°-60°) | 559.3 | 13.6 | B1/1000 | | |
| BH (60°-80°) | 66.7 | 1.6 | B0/110 | | G0/110 |
| BVH (80°-90°) | 0.0 | 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-G0
 Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 |
| 2.5° | 773.8 | 772.2 | 766.7 | 748.1 | 736.6 | 718.5 | 705.3 | 688.3 | 669.7 | 658.2 | 646.7 |
| 5° | 856.0 | 851.6 | 836.8 | 794.1 | 761.2 | 725.6 | 697.1 | 665.9 | 632.4 | 610.5 | 590.2 |
| 7.5° | 934.9 | 928.4 | 908.6 | 836.3 | 786.4 | 735.5 | 694.9 | 649.4 | 602.3 | 569.4 | 544.2 |
| 10° | 1012.2 | 997.4 | 966.2 | 877.4 | 810.0 | 748.6 | 700.9 | 648.9 | 593.5 | 551.9 | 523.9 |
| 12.5° | 1075.8 | 1064.8 | 1022.1 | 916.3 | 829.7 | 751.4 | 692.7 | 644.5 | 607.2 | 579.3 | 553.5 |
| 15° | 1130.6 | 1118.5 | 1078.0 | 951.4 | 846.7 | 740.4 | 658.2 | 616.0 | 622.0 | 633.0 | 611.1 |
| 17.5° | 1181.0 | 1168.4 | 1124.6 | 980.4 | 853.3 | 713.5 | 610.0 | 589.7 | 623.1 | 664.2 | 656.0 |
| 20° | 1233.1 | 1218.8 | 1165.1 | 1004.0 | 851.1 | 671.3 | 561.2 | 567.2 | 614.3 | 661.5 | 665.9 |
| 22.5° | 1293.9 | 1279.1 | 1216.6 | 1034.1 | 849.4 | 620.9 | 519.0 | 547.5 | 597.9 | 637.9 | 645.6 |
| 25° | 1374.5 | 1356.9 | 1288.4 | 1078.5 | 853.8 | 574.9 | 488.8 | 528.3 | 570.0 | 606.1 | 610.5 |
| 27.5° | 1480.8 | 1458.3 | 1371.2 | 1133.3 | 863.2 | 538.7 | 475.7 | 502.0 | 534.3 | 566.7 | 570.5 |
| 30° | 1619.4 | 1590.9 | 1466.0 | 1181.0 | 858.8 | 513.5 | 466.9 | 475.7 | 494.9 | 521.2 | 521.7 |
| 32.5° | 1781.7 | 1742.7 | 1572.3 | 1222.1 | 821.0 | 494.9 | 454.9 | 448.8 | 453.2 | 473.5 | 477.3 |
| 35° | 1972.4 | 1921.9 | 1689.6 | 1261.0 | 751.9 | 458.7 | 432.9 | 412.7 | 411.0 | 420.9 | 430.2 |
| 37.5° | 2191.0 | 2130.7 | 1837.6 | 1310.9 | 670.2 | 420.9 | 400.6 | 380.3 | 371.6 | 376.5 | 390.7 |
| 40° | 2392.7 | 2325.8 | 1992.1 | 1371.2 | 586.9 | 386.9 | 362.8 | 342.0 | 331.6 | 333.2 | 350.7 |
| 42.5° | 2629.5 | 2560.4 | 2181.2 | 1450.1 | 517.9 | 363.9 | 323.3 | 302.0 | 288.3 | 295.9 | 316.2 |
| 45° | 2989.0 | 2910.6 | 2456.8 | 1518.6 | 463.1 | 358.4 | 288.8 | 258.7 | 252.1 | 265.2 | 289.4 |
| 47.5° | 3480.0 | 3384.1 | 2835.5 | 1560.2 | 416.5 | 363.3 | 264.7 | 223.6 | 225.2 | 240.0 | 264.2 |
| 50° | 3967.2 | 3863.6 | 3273.4 | 1505.4 | 378.1 | 353.5 | 252.6 | 196.2 | 206.6 | 219.8 | 241.7 |
| 52.5° | 4302.1 | 4167.2 | 3486.6 | 1347.1 | 343.1 | 316.2 | 251.5 | 170.4 | 190.2 | 194.6 | 213.2 |
| 55° | 4315.2 | 4149.2 | 3377.5 | 1062.1 | 295.4 | 266.9 | 240.0 | 149.1 | 172.1 | 173.7 | 189.6 |
| 57.5° | 3782.5 | 3632.4 | 2951.7 | 729.4 | 262.5 | 195.6 | 191.3 | 130.4 | 141.4 | 155.1 | 165.0 |
| 60° | 2877.7 | 2750.0 | 2207.5 | 334.3 | 199.5 | 124.4 | 131.0 | 112.3 | 105.8 | 126.0 | 135.9 |
| 62.5° | 1762.5 | 1680.8 | 1324.0 | 148.0 | 127.1 | 66.3 | 79.5 | 89.3 | 79.5 | 87.1 | 95.4 |
| 65° | 699.8 | 663.7 | 502.5 | 63.0 | 52.1 | 33.4 | 36.2 | 52.1 | 55.9 | 61.4 | 69.1 |
| 67.5° | 121.7 | 115.1 | 84.4 | 27.9 | 21.4 | 20.3 | 17.5 | 24.1 | 34.0 | 37.8 | 43.8 |
| 70° | 15.9 | 15.3 | 13.7 | 11.5 | 11.0 | 9.9 | 7.7 | 15.3 | 23.0 | 24.1 | 27.9 |
| 72.5° | 3.8 | 3.3 | 3.3 | 2.7 | 3.3 | 1.1 | 1.1 | 8.2 | 16.4 | 17.0 | 19.7 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 10.4 | 11.5 | 13.7 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 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 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 |
| 2.5° | 637.4 | 626.4 | 622.6 | 617.1 | 610.0 | 612.2 | 602.3 | 599.0 | 603.9 | 610.5 | 608.9 |
| 5° | 579.3 | 567.2 | 559.0 | 546.4 | 544.2 | 539.3 | 536.0 | 531.6 | 537.1 | 544.7 | 546.4 |
| 7.5° | 533.2 | 522.8 | 514.6 | 510.8 | 508.0 | 505.8 | 499.3 | 496.0 | 496.0 | 499.3 | 502.0 |
| 10° | 513.5 | 505.8 | 504.2 | 505.3 | 509.7 | 509.1 | 503.1 | 498.7 | 493.2 | 490.5 | 493.8 |
| 12.5° | 540.9 | 528.3 | 526.1 | 526.7 | 532.1 | 531.6 | 525.0 | 519.5 | 518.4 | 519.5 | 529.9 |
| 15° | 587.5 | 568.3 | 554.1 | 551.3 | 554.1 | 553.0 | 548.0 | 544.7 | 546.4 | 562.3 | 579.8 |
| 17.5° | 629.1 | 599.5 | 573.8 | 563.9 | 563.4 | 561.7 | 556.8 | 555.7 | 563.9 | 593.5 | 619.3 |
| 20° | 641.2 | 612.2 | 575.4 | 562.8 | 560.1 | 558.4 | 553.0 | 554.6 | 565.0 | 600.6 | 622.6 |
| 22.5° | 625.3 | 597.4 | 559.0 | 546.4 | 544.2 | 543.6 | 538.2 | 540.4 | 549.1 | 580.4 | 598.5 |
| 25° | 595.2 | 571.6 | 531.6 | 520.6 | 520.6 | 519.5 | 514.6 | 515.7 | 521.2 | 548.6 | 566.1 |
| 27.5° | 558.4 | 536.0 | 502.5 | 491.6 | 493.2 | 494.9 | 488.8 | 487.2 | 491.6 | 517.3 | 527.8 |
| 30° | 516.2 | 500.4 | 474.0 | 464.2 | 463.6 | 470.2 | 462.0 | 459.8 | 465.8 | 486.1 | 488.3 |
| 32.5° | 475.1 | 467.5 | 448.8 | 441.2 | 441.7 | 442.8 | 438.4 | 438.4 | 443.9 | 454.9 | 454.3 |
| 35° | 435.1 | 430.2 | 426.9 | 421.4 | 420.9 | 418.7 | 418.7 | 419.8 | 425.8 | 429.7 | 422.5 |
| 37.5° | 396.8 | 401.7 | 405.5 | 400.1 | 395.7 | 395.7 | 395.7 | 400.6 | 406.1 | 404.4 | 392.4 |
| 40° | 362.8 | 373.2 | 385.3 | 379.2 | 368.8 | 368.3 | 370.5 | 378.7 | 386.9 | 377.0 | 366.1 |
| 42.5° | 333.8 | 346.9 | 363.9 | 360.6 | 349.1 | 347.5 | 349.1 | 359.5 | 366.1 | 353.5 | 341.4 |
| 45° | 305.3 | 321.7 | 342.0 | 342.0 | 329.4 | 327.7 | 328.3 | 342.0 | 345.8 | 331.0 | 315.7 |
| 47.5° | 281.1 | 299.2 | 320.6 | 320.6 | 310.2 | 306.9 | 309.6 | 323.9 | 326.6 | 305.8 | 291.6 |
| 50° | 258.1 | 277.9 | 301.4 | 299.8 | 292.6 | 289.9 | 294.8 | 310.2 | 306.9 | 283.9 | 269.1 |
| 52.5° | 229.1 | 249.9 | 282.2 | 283.9 | 280.0 | 280.6 | 286.6 | 296.5 | 287.2 | 259.2 | 246.6 |
| 55° | 202.8 | 224.1 | 256.5 | 265.2 | 265.2 | 264.7 | 267.4 | 275.1 | 267.4 | 234.0 | 218.7 |
| 57.5° | 174.3 | 192.4 | 219.2 | 221.4 | 223.0 | 217.0 | 220.9 | 231.3 | 227.4 | 198.9 | 190.2 |
| 60° | 143.0 | 158.4 | 173.7 | 175.4 | 168.2 | 155.6 | 162.8 | 174.8 | 177.6 | 156.2 | 146.3 |
| 62.5° | 101.4 | 116.2 | 134.3 | 134.3 | 127.1 | 114.5 | 123.9 | 134.3 | 130.4 | 108.5 | 102.5 |
| 65° | 75.6 | 89.3 | 103.0 | 109.1 | 103.0 | 94.3 | 101.4 | 109.1 | 103.0 | 84.9 | 76.2 |
| 67.5° | 48.8 | 58.1 | 66.3 | 71.2 | 72.3 | 71.2 | 74.5 | 72.3 | 65.2 | 53.2 | 48.2 |
| 70° | 29.6 | 34.5 | 38.9 | 43.3 | 46.6 | 48.2 | 49.9 | 44.9 | 37.8 | 31.2 | 29.6 |
| 72.5° | 21.4 | 25.8 | 29.6 | 32.9 | 36.7 | 37.8 | 37.8 | 34.5 | 27.9 | 21.9 | 20.3 |
| 75° | 14.8 | 18.6 | 21.9 | 24.1 | 27.4 | 28.5 | 28.5 | 25.8 | 20.8 | 15.9 | 14.2 |
| 77.5° | 0.5 | 3.8 | 3.8 | 3.3 | 4.4 | 5.5 | 5.5 | 6.6 | 6.0 | 4.4 | 3.8 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 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 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0° | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 | 696.5 |
| 2.5° | 612.2 | 631.9 | 637.4 | 657.6 | 675.7 | 693.8 | 715.7 | 728.9 | 748.6 | 762.3 | 770.0 |
| 5° | 551.9 | 568.3 | 588.0 | 618.2 | 649.4 | 683.9 | 725.6 | 761.8 | 807.3 | 840.7 | 851.6 |
| 7.5° | 508.0 | 529.4 | 552.4 | 590.2 | 633.0 | 679.0 | 737.7 | 796.8 | 866.4 | 911.9 | 941.0 |
| 10° | 499.8 | 521.7 | 552.4 | 589.7 | 634.6 | 687.2 | 759.0 | 835.7 | 922.9 | 978.2 | 1011.1 |
| 12.5° | 539.3 | 562.8 | 576.0 | 593.0 | 626.9 | 685.6 | 777.7 | 875.2 | 977.7 | 1038.0 | 1073.0 |
| 15° | 597.4 | 618.2 | 596.8 | 575.4 | 597.4 | 668.1 | 788.1 | 908.1 | 1025.9 | 1095.5 | 1131.7 |
| 17.5° | 637.4 | 639.0 | 592.4 | 546.9 | 553.0 | 636.3 | 791.9 | 941.0 | 1077.4 | 1150.3 | 1188.1 |
| 20° | 633.5 | 620.4 | 573.2 | 522.8 | 504.2 | 595.2 | 787.5 | 970.0 | 1129.5 | 1205.7 | 1242.9 |
| 22.5° | 603.9 | 588.6 | 548.6 | 499.3 | 463.1 | 546.4 | 779.8 | 996.3 | 1177.2 | 1263.8 | 1298.8 |
| 25° | 568.3 | 551.9 | 519.0 | 475.7 | 436.8 | 499.3 | 773.8 | 1032.5 | 1237.5 | 1339.4 | 1366.8 |
| 27.5° | 526.7 | 512.4 | 484.5 | 453.2 | 425.8 | 463.6 | 772.2 | 1080.2 | 1310.3 | 1431.5 | 1450.6 |
| 30° | 486.1 | 473.0 | 451.0 | 432.9 | 421.4 | 442.8 | 766.7 | 1131.1 | 1397.5 | 1537.2 | 1558.1 |
| 32.5° | 447.2 | 434.0 | 420.3 | 417.6 | 418.1 | 435.1 | 748.1 | 1181.6 | 1501.1 | 1690.7 | 1706.0 |
| 35° | 413.8 | 398.4 | 392.9 | 399.5 | 411.6 | 422.0 | 695.5 | 1223.2 | 1612.3 | 1857.8 | 1870.4 |
| 37.5° | 382.0 | 366.6 | 366.1 | 382.0 | 395.1 | 401.7 | 633.5 | 1264.3 | 1762.5 | 2027.7 | 2043.6 |
| 40° | 352.9 | 337.6 | 343.1 | 362.2 | 372.7 | 376.0 | 558.4 | 1326.8 | 1921.4 | 2206.9 | 2198.2 |
| 42.5° | 328.3 | 312.4 | 315.7 | 340.3 | 349.6 | 358.4 | 489.4 | 1378.8 | 2074.3 | 2376.8 | 2374.1 |
| 45° | 304.2 | 292.1 | 289.9 | 316.8 | 325.0 | 360.1 | 439.0 | 1418.9 | 2271.0 | 2593.3 | 2597.7 |
| 47.5° | 280.6 | 271.3 | 271.8 | 283.3 | 303.6 | 368.3 | 396.2 | 1445.2 | 2556.6 | 2936.4 | 2860.2 |
| 50° | 259.2 | 252.1 | 258.1 | 245.0 | 289.9 | 357.9 | 359.5 | 1439.7 | 2875.5 | 3265.2 | 3112.3 |
| 52.5° | 235.7 | 234.0 | 236.7 | 205.0 | 268.0 | 315.7 | 325.0 | 1366.8 | 3025.1 | 3489.9 | 3402.7 |
| 55° | 211.5 | 211.0 | 189.1 | 163.9 | 224.1 | 252.1 | 278.4 | 1140.5 | 3020.2 | 3609.3 | 3715.1 |
| 57.5° | 183.0 | 178.7 | 143.6 | 133.7 | 174.3 | 175.4 | 253.7 | 747.0 | 2676.6 | 3323.3 | 3542.5 |
| 60° | 138.7 | 135.4 | 105.2 | 108.5 | 121.7 | 112.3 | 202.2 | 372.1 | 2000.3 | 2588.9 | 2836.1 |
| 62.5° | 95.9 | 91.5 | 78.4 | 83.8 | 78.4 | 64.1 | 123.9 | 184.1 | 1211.7 | 1634.8 | 1858.9 |
| 65° | 70.1 | 65.2 | 53.7 | 46.0 | 36.7 | 36.7 | 47.1 | 70.7 | 469.1 | 694.9 | 837.9 |
| 67.5° | 43.3 | 41.1 | 31.8 | 23.0 | 22.5 | 24.1 | 24.7 | 35.1 | 75.6 | 120.6 | 147.4 |
| 70° | 27.9 | 25.8 | 21.4 | 14.8 | 13.7 | 14.2 | 14.8 | 16.4 | 19.2 | 20.8 | 25.2 |
| 72.5° | 19.2 | 18.1 | 15.3 | 8.2 | 6.6 | 7.1 | 7.7 | 7.7 | 9.3 | 8.8 | 10.4 |
| 75° | 13.7 | 12.6 | 11.0 | 3.8 | 2.2 | 2.7 | 3.3 | 2.7 | 3.3 | 2.2 | 2.7 |
| 77.5° | 3.8 | 3.8 | 2.7 | 0.5 | 0.0 | 0.5 | 1.1 | 1.1 | 0.5 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 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 | 0.0 |



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| 42.5° | 2331.9 | 2476.6 | 2700.2 | 2889.2 | 2836.6 | 2616.3 | 2597.7 | 2745.6 | 2689.2 | 2629.5 |
| 45° | 2408.1 | 2659.6 | 3098.0 | 3354.0 | 3194.5 | 2768.1 | 2761.0 | 3100.8 | 3069.0 | 2989.0 |
| 47.5° | 2443.1 | 2844.3 | 3563.9 | 3951.3 | 3653.2 | 2901.3 | 2875.5 | 3615.9 | 3574.3 | 3480.0 |
| 50° | 2482.0 | 3099.1 | 4125.0 | 4643.5 | 4207.2 | 3052.0 | 3070.6 | 4096.0 | 4078.5 | 3967.2 |
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| 57.5° | 2553.8 | 3735.9 | 5960.9 | 6807.7 | 5868.9 | 3606.6 | 3461.4 | 4372.2 | 3920.1 | 3782.5 |
| 60° | 2026.6 | 3475.6 | 5797.1 | 6685.4 | 5609.7 | 3202.7 | 2650.3 | 3413.7 | 2969.8 | 2877.7 |
| 62.5° | 1370.1 | 2915.0 | 5103.3 | 5654.0 | 4801.3 | 2519.3 | 1722.5 | 2220.1 | 1838.6 | 1762.5 |
| 65° | 750.8 | 2174.6 | 4123.4 | 4277.4 | 3757.9 | 1759.7 | 886.2 | 963.4 | 733.8 | 699.8 |
| 67.5° | 207.2 | 1513.7 | 3033.9 | 2837.7 | 2636.6 | 1145.9 | 229.1 | 172.1 | 122.8 | 121.7 |
| 70° | 52.1 | 1001.3 | 1817.8 | 1873.7 | 1616.7 | 733.8 | 43.8 | 20.8 | 16.4 | 15.9 |
| 72.5° | 21.9 | 430.8 | 862.6 | 991.4 | 827.5 | 339.8 | 15.9 | 6.0 | 4.9 | 3.8 |
| 75° | 2.7 | 34.5 | 73.4 | 111.3 | 76.2 | 36.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 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 |

(END OF REPORT)