

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: HALO

Report Number: P644100

Luminaire Tested: ML5615LSWW9FS1E - 592SC WW - 1200LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P644100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-129)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSWW9FS1E - 592SC WW - 1200LM - 5000K
Description: ML56 RR, WW OPTIC, 5" WW INSERT WITH SPECULAR CLEAR TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 932.5 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.26
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

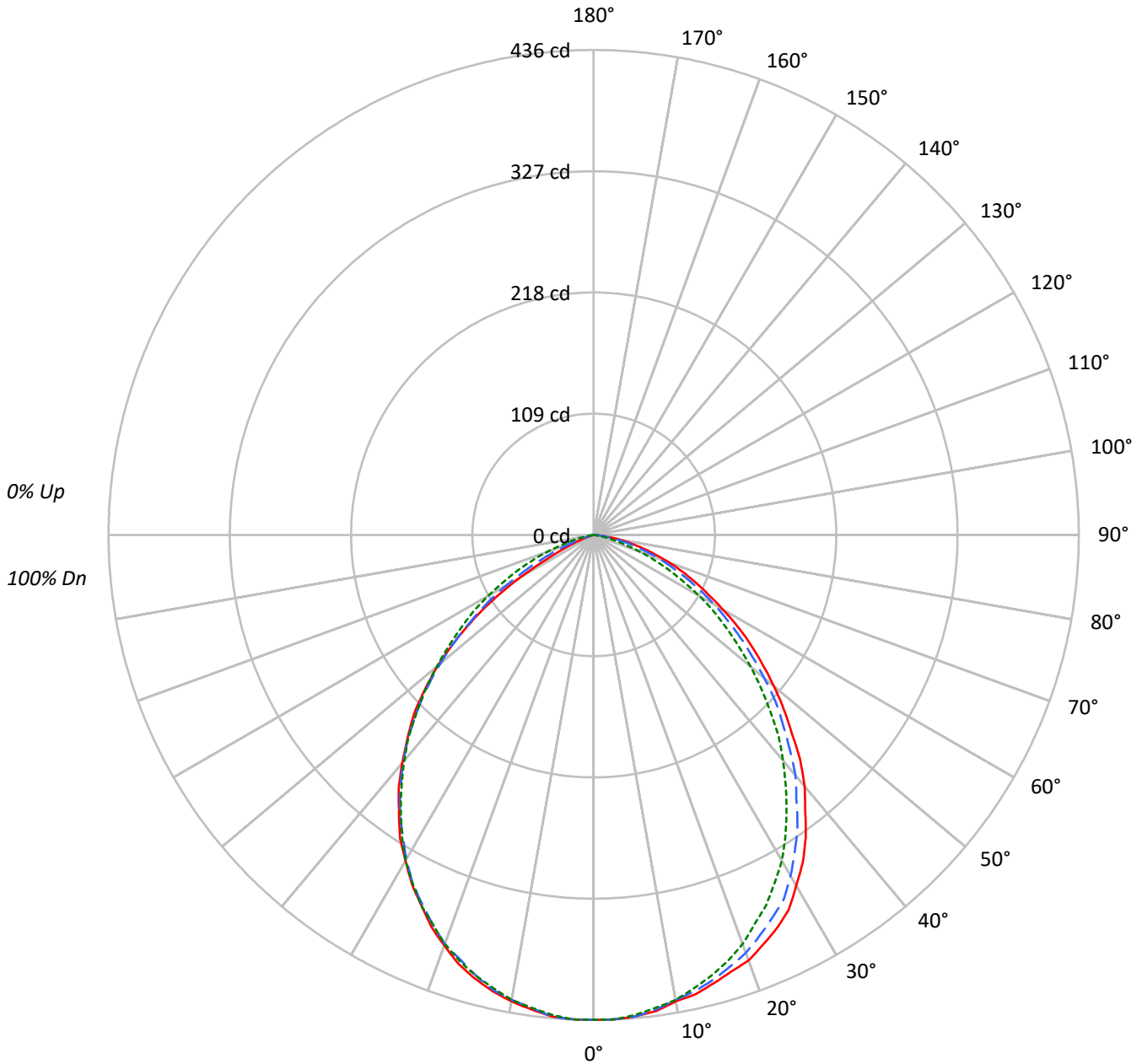
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P644100

CATALOG NUMBER: ML5615LSWW9FS1E - 592SC WW - 1200LM - 5000K

Luminous Intensity Polar Plot





TEST NUMBER: P644100

CATALOG NUMBER: ML5615LSWW9FS1E - 592SC WW - 1200LM - 5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 98 | 100 | 98 | 95 | 97 | 94 | 93 | 93 | 91 | 90 | 88 | | |
| 2 | 102 | 95 | 89 | 84 | 100 | 93 | 88 | 83 | 90 | 85 | 81 | 87 | 83 | 80 | 84 | 81 | 78 | 76 | | |
| 3 | 94 | 85 | 78 | 72 | 92 | 83 | 77 | 71 | 81 | 75 | 70 | 78 | 73 | 69 | 75 | 71 | 68 | 66 | | |
| 4 | 87 | 76 | 68 | 62 | 85 | 75 | 68 | 62 | 72 | 66 | 61 | 70 | 65 | 60 | 68 | 63 | 60 | 58 | | |
| 5 | 80 | 69 | 61 | 55 | 78 | 68 | 60 | 54 | 66 | 59 | 54 | 64 | 58 | 53 | 62 | 57 | 53 | 51 | | |
| 6 | 75 | 62 | 54 | 48 | 73 | 61 | 54 | 48 | 60 | 53 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 45 | | |
| 7 | 69 | 57 | 49 | 43 | 68 | 56 | 48 | 43 | 55 | 48 | 43 | 53 | 47 | 42 | 52 | 46 | 42 | 40 | | |
| 8 | 65 | 52 | 44 | 39 | 63 | 52 | 44 | 39 | 50 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 38 | 36 | | |
| 9 | 61 | 48 | 40 | 35 | 59 | 48 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 44 | 39 | 35 | 33 | | |
| 10 | 57 | 45 | 37 | 32 | 56 | 44 | 37 | 32 | 43 | 36 | 32 | 42 | 36 | 32 | 41 | 36 | 32 | 30 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 34410 | 34410 | 34410 | 34410 | 34410 |
| 5° | 34431 | 34431 | 34312 | 34431 | 34431 |
| 10° | 34132 | 34019 | 34019 | 34019 | 34132 |
| 15° | 34096 | 33859 | 33508 | 33508 | 33745 |
| 20° | 34199 | 33594 | 32872 | 32872 | 32998 |
| 25° | 33961 | 33081 | 31958 | 31827 | 31958 |
| 30° | 33180 | 32259 | 30819 | 30682 | 30819 |
| 35° | 32023 | 30780 | 29113 | 29258 | 29393 |
| 40° | 30389 | 29060 | 27277 | 27432 | 27576 |
| 45° | 28111 | 26827 | 25052 | 25052 | 25532 |
| 50° | 25974 | 24562 | 22609 | 22081 | 22437 |
| 55° | 23755 | 22172 | 19998 | 18415 | 18016 |
| 60° | 21125 | 19767 | 17256 | 14304 | 11810 |
| 65° | 18810 | 17203 | 13972 | 9414 | 5641 |
| 70° | 16595 | 14610 | 10294 | 4639 | 1662 |
| 75° | 13603 | 11407 | 6131 | 1312 | 427 |
| 80° | 10456 | 7865 | 2637 | 0 | 0 |
| 85° | 5253 | 3895 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 28267 cd/sqm



TEST NUMBER: P644100

CATALOG NUMBER: ML5615LSWW9FS1E - 592SC WW - 1200LM - 5000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 41.1 | 4.4 |
| 10°-20° | 116.2 | 12.5 |
| 20°-30° | 171.4 | 18.4 |
| 30°-40° | 194.1 | 20.8 |
| 40°-50° | 179.2 | 19.2 |
| 50°-60° | 132.4 | 14.2 |
| 60°-70° | 71.2 | 7.6 |
| 70°-80° | 23.8 | 2.6 |
| 80°-90° | 3.0 | 0.3 |
| 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°-30° | 328.8 | 35.3 |
| 0°-40° | 522.8 | 56.1 |
| 0°-60° | 834.5 | 89.5 |
| 0°-90° | 932.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 932.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 436 | 436 | 436 | 436 | 436 | |
| 5° | 434 | 434 | 433 | 434 | 434 | 41 |
| 15° | 417 | 414 | 410 | 410 | 413 | 118 |
| 25° | 390 | 380 | 367 | 365 | 367 | 179 |
| 35° | 332 | 319 | 302 | 304 | 305 | 207 |
| 45° | 252 | 240 | 224 | 224 | 229 | 195 |
| 55° | 173 | 161 | 145 | 134 | 131 | 154 |
| 65° | 101 | 92 | 75 | 50 | 30 | 100 |
| 75° | 45 | 37 | 20 | 4 | 1 | 48 |
| 85° | 6 | 4 | 0 | 0 | 0 | 9 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P644100

CATALOG NUMBER: ML5615LSWW9FS1E - 592SC WW - 1200LM - 5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 |
| 2.5° | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 |
| 5° | 434.5 | 434.5 | 433.0 | 434.5 | 434.5 | 434.5 | 434.5 | 433.0 | 434.5 | 434.5 | 434.5 |
| 7.5° | 431.6 | 430.2 | 430.2 | 430.2 | 430.2 | 430.2 | 430.2 | 430.2 | 430.2 | 430.2 | 430.2 |
| 10° | 425.8 | 425.8 | 425.8 | 425.8 | 425.8 | 425.8 | 425.8 | 425.8 | 425.8 | 425.8 | 424.4 |
| 12.5° | 423.0 | 421.5 | 421.5 | 421.5 | 421.5 | 421.5 | 421.5 | 420.1 | 421.5 | 420.1 | 420.1 |
| 15° | 417.2 | 417.2 | 417.2 | 417.2 | 417.2 | 417.2 | 415.8 | 415.8 | 415.8 | 415.8 | 414.3 |
| 17.5° | 411.5 | 411.5 | 412.9 | 412.9 | 411.5 | 411.5 | 411.5 | 410.0 | 408.6 | 408.6 | 407.1 |
| 20° | 407.1 | 407.1 | 405.7 | 405.7 | 404.3 | 405.7 | 404.3 | 402.8 | 402.8 | 401.4 | 399.9 |
| 22.5° | 398.5 | 398.5 | 398.5 | 398.5 | 398.5 | 397.1 | 397.1 | 395.6 | 394.2 | 392.8 | 389.9 |
| 25° | 389.9 | 389.9 | 389.9 | 389.9 | 388.4 | 388.4 | 388.4 | 385.6 | 384.1 | 382.7 | 379.8 |
| 27.5° | 379.8 | 378.4 | 378.4 | 378.4 | 376.9 | 376.9 | 375.5 | 374.1 | 372.6 | 371.2 | 369.7 |
| 30° | 364.0 | 364.0 | 364.0 | 364.0 | 362.5 | 361.1 | 361.1 | 359.7 | 358.2 | 355.3 | 353.9 |
| 32.5° | 349.6 | 349.6 | 348.2 | 346.7 | 346.7 | 346.7 | 345.3 | 343.8 | 341.0 | 339.5 | 336.6 |
| 35° | 332.3 | 330.9 | 330.9 | 329.5 | 329.5 | 329.5 | 328.0 | 325.1 | 323.7 | 322.3 | 319.4 |
| 37.5° | 312.2 | 313.6 | 312.2 | 312.2 | 310.8 | 309.3 | 307.9 | 306.4 | 305.0 | 302.1 | 299.2 |
| 40° | 294.9 | 294.9 | 293.5 | 292.0 | 290.6 | 290.6 | 289.2 | 287.7 | 286.3 | 284.9 | 282.0 |
| 42.5° | 274.8 | 274.8 | 273.3 | 273.3 | 271.9 | 271.9 | 269.0 | 267.6 | 266.2 | 264.7 | 260.4 |
| 45° | 251.8 | 251.8 | 253.2 | 251.8 | 250.3 | 248.9 | 248.9 | 247.4 | 244.6 | 243.1 | 240.3 |
| 47.5° | 231.6 | 233.1 | 231.6 | 230.2 | 230.2 | 228.7 | 228.7 | 225.9 | 225.9 | 223.0 | 221.6 |
| 50° | 211.5 | 211.5 | 211.5 | 211.5 | 210.0 | 208.6 | 208.6 | 207.2 | 204.3 | 202.9 | 200.0 |
| 52.5° | 191.3 | 191.3 | 191.3 | 191.3 | 189.9 | 189.9 | 188.5 | 187.0 | 185.6 | 182.7 | 179.8 |
| 55° | 172.6 | 171.2 | 171.2 | 171.2 | 169.8 | 169.8 | 168.3 | 166.9 | 165.4 | 164.0 | 161.1 |
| 57.5° | 153.9 | 152.5 | 152.5 | 151.1 | 151.1 | 149.6 | 149.6 | 148.2 | 146.7 | 143.9 | 142.4 |
| 60° | 133.8 | 135.2 | 133.8 | 133.8 | 132.4 | 132.4 | 132.4 | 130.9 | 128.0 | 126.6 | 125.2 |
| 62.5° | 116.5 | 118.0 | 116.5 | 115.1 | 115.1 | 115.1 | 115.1 | 112.2 | 110.8 | 109.3 | 107.9 |
| 65° | 100.7 | 100.7 | 100.7 | 99.3 | 99.3 | 99.3 | 96.4 | 96.4 | 95.0 | 93.5 | 92.1 |
| 67.5° | 86.3 | 84.9 | 84.9 | 84.9 | 83.4 | 83.4 | 82.0 | 82.0 | 79.1 | 79.1 | 76.2 |
| 70° | 71.9 | 70.5 | 70.5 | 70.5 | 69.1 | 67.6 | 69.1 | 66.2 | 64.7 | 63.3 | 63.3 |
| 72.5° | 57.5 | 57.5 | 56.1 | 56.1 | 56.1 | 54.7 | 54.7 | 53.2 | 51.8 | 50.4 | 48.9 |
| 75° | 44.6 | 44.6 | 44.6 | 43.2 | 43.2 | 41.7 | 41.7 | 40.3 | 40.3 | 37.4 | 37.4 |
| 77.5° | 33.1 | 33.1 | 33.1 | 31.7 | 31.7 | 31.7 | 30.2 | 30.2 | 28.8 | 27.3 | 25.9 |
| 80° | 23.0 | 21.6 | 21.6 | 21.6 | 21.6 | 20.1 | 20.1 | 20.1 | 18.7 | 18.7 | 17.3 |
| 82.5° | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 11.5 | 11.5 | 11.5 | 10.1 | 10.1 |
| 85° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 4.3 | 4.3 | 4.3 |
| 87.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P644100

CATALOG NUMBER: ML5615LSWW9FS1E - 592SC WW - 1200LM - 5000K

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 |
| 2.5° | 435.9 | 435.9 | 435.9 | 435.9 | 434.5 | 435.9 | 434.5 | 435.9 | 435.9 | 435.9 | 435.9 |
| 5° | 434.5 | 433.0 | 433.0 | 433.0 | 434.5 | 434.5 | 433.0 | 433.0 | 433.0 | 433.0 | 433.0 |
| 7.5° | 430.2 | 430.2 | 430.2 | 428.7 | 430.2 | 430.2 | 428.7 | 430.2 | 430.2 | 428.7 | 430.2 |
| 10° | 425.8 | 425.8 | 424.4 | 424.4 | 424.4 | 424.4 | 424.4 | 424.4 | 423.0 | 424.4 | 424.4 |
| 12.5° | 420.1 | 420.1 | 420.1 | 418.7 | 418.7 | 418.7 | 418.7 | 418.7 | 417.2 | 417.2 | 418.7 |
| 15° | 414.3 | 414.3 | 412.9 | 412.9 | 412.9 | 411.5 | 411.5 | 411.5 | 411.5 | 410.0 | 410.0 |
| 17.5° | 407.1 | 405.7 | 405.7 | 404.3 | 404.3 | 402.8 | 402.8 | 401.4 | 401.4 | 401.4 | 399.9 |
| 20° | 398.5 | 397.1 | 395.6 | 395.6 | 394.2 | 394.2 | 392.8 | 392.8 | 391.3 | 391.3 | 389.9 |
| 22.5° | 388.4 | 387.0 | 385.6 | 384.1 | 384.1 | 382.7 | 382.7 | 381.2 | 379.8 | 378.4 | 378.4 |
| 25° | 379.8 | 376.9 | 375.5 | 374.1 | 371.2 | 371.2 | 369.7 | 369.7 | 368.3 | 366.9 | 365.4 |
| 27.5° | 366.9 | 364.0 | 362.5 | 361.1 | 359.7 | 358.2 | 355.3 | 355.3 | 353.9 | 352.5 | 351.0 |
| 30° | 351.0 | 349.6 | 346.7 | 345.3 | 343.8 | 343.8 | 341.0 | 338.1 | 338.1 | 338.1 | 336.6 |
| 32.5° | 335.2 | 332.3 | 330.9 | 328.0 | 326.6 | 326.6 | 325.1 | 322.3 | 320.8 | 320.8 | 319.4 |
| 35° | 317.9 | 315.1 | 312.2 | 310.8 | 309.3 | 307.9 | 306.4 | 305.0 | 303.6 | 302.1 | 300.7 |
| 37.5° | 297.8 | 294.9 | 293.5 | 292.0 | 290.6 | 289.2 | 287.7 | 286.3 | 284.9 | 283.4 | 284.9 |
| 40° | 279.1 | 276.2 | 273.3 | 271.9 | 270.5 | 270.5 | 269.0 | 267.6 | 266.2 | 264.7 | 264.7 |
| 42.5° | 259.0 | 256.1 | 254.6 | 253.2 | 251.8 | 250.3 | 248.9 | 247.4 | 246.0 | 246.0 | 244.6 |
| 45° | 237.4 | 235.9 | 233.1 | 231.6 | 230.2 | 230.2 | 227.3 | 225.9 | 225.9 | 224.4 | 224.4 |
| 47.5° | 218.7 | 215.8 | 212.9 | 211.5 | 210.0 | 208.6 | 207.2 | 205.7 | 204.3 | 204.3 | 204.3 |
| 50° | 197.1 | 195.7 | 192.8 | 191.3 | 189.9 | 189.9 | 188.5 | 187.0 | 185.6 | 184.1 | 184.1 |
| 52.5° | 177.0 | 175.5 | 175.5 | 172.6 | 171.2 | 171.2 | 168.3 | 168.3 | 165.4 | 164.0 | 162.6 |
| 55° | 159.7 | 156.8 | 155.4 | 152.5 | 152.5 | 151.1 | 149.6 | 148.2 | 146.7 | 145.3 | 143.9 |
| 57.5° | 139.6 | 138.1 | 136.7 | 135.2 | 135.2 | 133.8 | 132.4 | 130.9 | 128.0 | 128.0 | 125.2 |
| 60° | 123.7 | 120.8 | 119.4 | 118.0 | 116.5 | 116.5 | 115.1 | 113.7 | 110.8 | 109.3 | 107.9 |
| 62.5° | 106.5 | 103.6 | 103.6 | 102.1 | 99.3 | 99.3 | 97.8 | 95.0 | 93.5 | 90.6 | 89.2 |
| 65° | 90.6 | 89.2 | 86.3 | 84.9 | 84.9 | 83.4 | 80.6 | 79.1 | 77.7 | 74.8 | 71.9 |
| 67.5° | 74.8 | 73.4 | 71.9 | 69.1 | 69.1 | 67.6 | 64.7 | 63.3 | 60.4 | 59.0 | 56.1 |
| 70° | 60.4 | 59.0 | 57.5 | 54.7 | 54.7 | 53.2 | 51.8 | 48.9 | 46.0 | 44.6 | 41.7 |
| 72.5° | 47.5 | 46.0 | 44.6 | 41.7 | 41.7 | 40.3 | 37.4 | 36.0 | 33.1 | 30.2 | 28.8 |
| 75° | 36.0 | 34.5 | 31.7 | 30.2 | 28.8 | 28.8 | 25.9 | 24.5 | 23.0 | 20.1 | 18.7 |
| 77.5° | 24.5 | 23.0 | 21.6 | 20.1 | 20.1 | 18.7 | 17.3 | 15.8 | 14.4 | 12.9 | 10.1 |
| 80° | 15.8 | 14.4 | 12.9 | 12.9 | 11.5 | 11.5 | 10.1 | 8.6 | 7.2 | 5.8 | 4.3 |
| 82.5° | 8.6 | 8.6 | 7.2 | 5.8 | 5.8 | 5.8 | 4.3 | 4.3 | 2.9 | 1.4 | 1.4 |
| 85° | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 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 |



TEST NUMBER: P644100

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CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 |
| 2.5° | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 434.5 | 435.9 | 435.9 | 435.9 | 434.5 |
| 5° | 434.5 | 433.0 | 433.0 | 434.5 | 433.0 | 433.0 | 434.5 | 434.5 | 434.5 | 433.0 | 433.0 |
| 7.5° | 428.7 | 430.2 | 428.7 | 428.7 | 430.2 | 430.2 | 430.2 | 430.2 | 428.7 | 428.7 | 430.2 |
| 10° | 424.4 | 424.4 | 423.0 | 424.4 | 423.0 | 424.4 | 424.4 | 424.4 | 424.4 | 424.4 | 424.4 |
| 12.5° | 417.2 | 417.2 | 417.2 | 418.7 | 417.2 | 417.2 | 418.7 | 418.7 | 418.7 | 418.7 | 418.7 |
| 15° | 408.6 | 408.6 | 410.0 | 408.6 | 410.0 | 410.0 | 410.0 | 410.0 | 410.0 | 410.0 | 411.5 |
| 17.5° | 399.9 | 399.9 | 399.9 | 399.9 | 399.9 | 399.9 | 399.9 | 399.9 | 399.9 | 401.4 | 401.4 |
| 20° | 389.9 | 389.9 | 389.9 | 389.9 | 389.9 | 388.4 | 389.9 | 389.9 | 391.3 | 391.3 | 391.3 |
| 22.5° | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 378.4 | 379.8 | 378.4 |
| 25° | 364.0 | 364.0 | 364.0 | 364.0 | 364.0 | 364.0 | 364.0 | 365.4 | 365.4 | 365.4 | 366.9 |
| 27.5° | 351.0 | 351.0 | 351.0 | 349.6 | 351.0 | 349.6 | 351.0 | 351.0 | 352.5 | 351.0 | 352.5 |
| 30° | 336.6 | 335.2 | 335.2 | 335.2 | 335.2 | 336.6 | 335.2 | 335.2 | 336.6 | 338.1 | 336.6 |
| 32.5° | 317.9 | 317.9 | 317.9 | 319.4 | 319.4 | 319.4 | 320.8 | 319.4 | 319.4 | 320.8 | 320.8 |
| 35° | 300.7 | 300.7 | 300.7 | 302.1 | 302.1 | 302.1 | 302.1 | 303.6 | 303.6 | 303.6 | 305.0 |
| 37.5° | 282.0 | 283.4 | 282.0 | 283.4 | 283.4 | 284.9 | 284.9 | 284.9 | 284.9 | 286.3 | 286.3 |
| 40° | 264.7 | 263.3 | 264.7 | 264.7 | 264.7 | 264.7 | 264.7 | 264.7 | 266.2 | 267.6 | 267.6 |
| 42.5° | 244.6 | 244.6 | 244.6 | 244.6 | 244.6 | 244.6 | 246.0 | 246.0 | 246.0 | 247.4 | 247.4 |
| 45° | 224.4 | 223.0 | 223.0 | 223.0 | 223.0 | 224.4 | 223.0 | 224.4 | 224.4 | 225.9 | 225.9 |
| 47.5° | 202.9 | 202.9 | 202.9 | 202.9 | 202.9 | 202.9 | 202.9 | 202.9 | 202.9 | 204.3 | 202.9 |
| 50° | 184.1 | 182.7 | 181.3 | 181.3 | 179.8 | 181.3 | 179.8 | 179.8 | 179.8 | 181.3 | 179.8 |
| 52.5° | 162.6 | 161.1 | 159.7 | 159.7 | 159.7 | 158.3 | 156.8 | 156.8 | 156.8 | 155.4 | 155.4 |
| 55° | 143.9 | 142.4 | 139.6 | 141.0 | 138.1 | 136.7 | 136.7 | 135.2 | 133.8 | 133.8 | 132.4 |
| 57.5° | 123.7 | 122.3 | 120.8 | 119.4 | 119.4 | 116.5 | 115.1 | 113.7 | 112.2 | 110.8 | 107.9 |
| 60° | 106.5 | 103.6 | 100.7 | 100.7 | 99.3 | 97.8 | 95.0 | 92.1 | 90.6 | 87.8 | 86.3 |
| 62.5° | 87.8 | 84.9 | 82.0 | 80.6 | 79.1 | 77.7 | 74.8 | 71.9 | 69.1 | 67.6 | 64.7 |
| 65° | 70.5 | 67.6 | 64.7 | 63.3 | 61.9 | 59.0 | 56.1 | 53.2 | 50.4 | 47.5 | 46.0 |
| 67.5° | 53.2 | 50.4 | 48.9 | 46.0 | 44.6 | 41.7 | 38.8 | 37.4 | 34.5 | 31.7 | 27.3 |
| 70° | 38.8 | 36.0 | 33.1 | 31.7 | 30.2 | 27.3 | 25.9 | 23.0 | 20.1 | 18.7 | 15.8 |
| 72.5° | 25.9 | 23.0 | 21.6 | 20.1 | 18.7 | 17.3 | 14.4 | 12.9 | 10.1 | 8.6 | 7.2 |
| 75° | 15.8 | 14.4 | 12.9 | 11.5 | 10.1 | 8.6 | 7.2 | 5.8 | 4.3 | 2.9 | 1.4 |
| 77.5° | 8.6 | 7.2 | 5.8 | 5.8 | 4.3 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 |
| 80° | 4.3 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 |
| 82.5° | 1.4 | 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 |



TEST NUMBER: P644100

CATALOG NUMBER: ML5615LSWW9FS1E - 592SC WW - 1200LM - 5000K

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 |
| 2.5° | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 | 435.9 |
| 5° | 434.5 | 434.5 | 433.0 | 434.5 | 433.0 | 433.0 | 433.0 | 434.5 |
| 7.5° | 430.2 | 430.2 | 430.2 | 430.2 | 430.2 | 430.2 | 430.2 | 430.2 |
| 10° | 424.4 | 424.4 | 424.4 | 425.8 | 425.8 | 425.8 | 424.4 | 425.8 |
| 12.5° | 418.7 | 418.7 | 418.7 | 420.1 | 418.7 | 420.1 | 418.7 | 420.1 |
| 15° | 411.5 | 411.5 | 412.9 | 412.9 | 411.5 | 411.5 | 412.9 | 412.9 |
| 17.5° | 401.4 | 402.8 | 402.8 | 402.8 | 402.8 | 402.8 | 402.8 | 404.3 |
| 20° | 392.8 | 392.8 | 391.3 | 392.8 | 392.8 | 394.2 | 394.2 | 392.8 |
| 22.5° | 378.4 | 381.2 | 381.2 | 381.2 | 381.2 | 381.2 | 381.2 | 381.2 |
| 25° | 366.9 | 366.9 | 366.9 | 368.3 | 366.9 | 366.9 | 368.3 | 366.9 |
| 27.5° | 352.5 | 353.9 | 352.5 | 353.9 | 353.9 | 353.9 | 353.9 | 353.9 |
| 30° | 338.1 | 338.1 | 338.1 | 338.1 | 338.1 | 339.5 | 338.1 | 338.1 |
| 32.5° | 320.8 | 322.3 | 322.3 | 322.3 | 323.7 | 322.3 | 322.3 | 323.7 |
| 35° | 305.0 | 305.0 | 305.0 | 306.4 | 305.0 | 306.4 | 306.4 | 305.0 |
| 37.5° | 286.3 | 287.7 | 286.3 | 287.7 | 287.7 | 287.7 | 287.7 | 287.7 |
| 40° | 269.0 | 267.6 | 269.0 | 267.6 | 269.0 | 269.0 | 269.0 | 267.6 |
| 42.5° | 247.4 | 248.9 | 248.9 | 248.9 | 248.9 | 248.9 | 248.9 | 247.4 |
| 45° | 225.9 | 227.3 | 227.3 | 227.3 | 227.3 | 227.3 | 228.7 | 228.7 |
| 47.5° | 202.9 | 205.7 | 205.7 | 205.7 | 204.3 | 207.2 | 205.7 | 205.7 |
| 50° | 179.8 | 179.8 | 181.3 | 181.3 | 182.7 | 182.7 | 182.7 | 182.7 |
| 52.5° | 156.8 | 155.4 | 156.8 | 156.8 | 158.3 | 156.8 | 158.3 | 156.8 |
| 55° | 130.9 | 130.9 | 130.9 | 129.5 | 130.9 | 130.9 | 130.9 | 130.9 |
| 57.5° | 107.9 | 106.5 | 105.0 | 103.6 | 103.6 | 103.6 | 102.1 | 103.6 |
| 60° | 83.4 | 80.6 | 82.0 | 79.1 | 77.7 | 76.2 | 76.2 | 74.8 |
| 62.5° | 61.9 | 59.0 | 57.5 | 56.1 | 53.2 | 50.4 | 50.4 | 48.9 |
| 65° | 41.7 | 38.8 | 37.4 | 34.5 | 33.1 | 31.7 | 30.2 | 30.2 |
| 67.5° | 25.9 | 23.0 | 23.0 | 21.6 | 20.1 | 18.7 | 17.3 | 17.3 |
| 70° | 14.4 | 12.9 | 11.5 | 10.1 | 10.1 | 8.6 | 7.2 | 7.2 |
| 72.5° | 5.8 | 4.3 | 4.3 | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 |
| 75° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 77.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 80° | 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 |
| 85° | 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 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)