

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: P642330

Luminaire Tested: ML5612LSWW97FS1E - 692SC WW - 1200LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P642330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-131)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSWW97FS1E - 692SC WW - 1200LM - 5000K
Description: ML56 RR, WW OPTIC, 6" WW INSERT WITH SPECULAR CLEAR TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

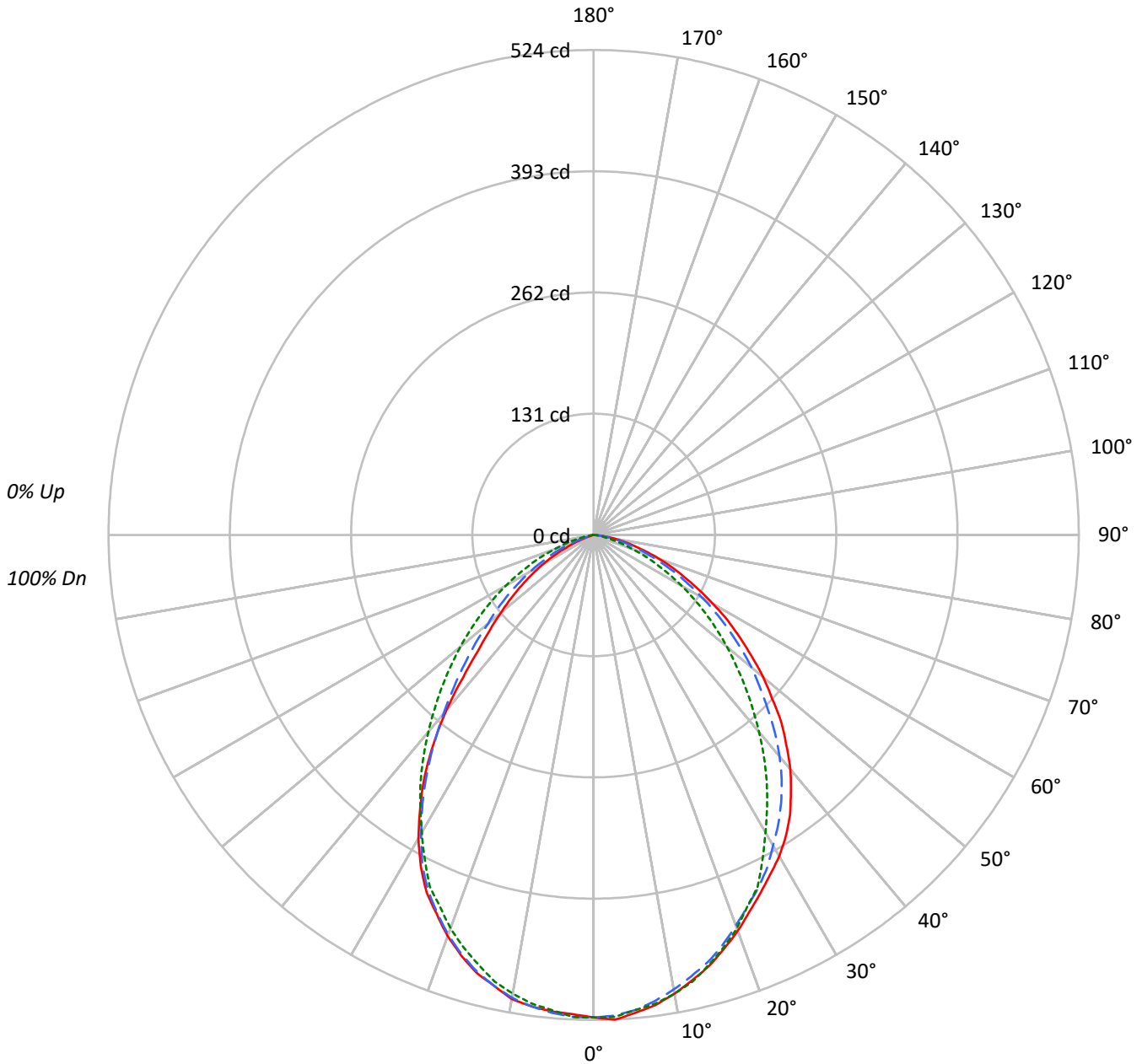
Lumens per Lamp: N/A
Luminaire Lumens: 996.0 lumens
Efficiency: N/A
Efficacy: 60.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 16.5
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: P642330
CATALOG NUMBER: ML5612LSWW97FS1E - 692SC WW - 1200LM - 5000K

Luminous Intensity Polar Plot





TEST NUMBER: P642330

CATALOG NUMBER: ML5612LSWW97FS1E - 692SC 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 | 104 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 90 | 86 | 82 | 87 | 84 | 80 | 84 | 81 | 79 | 77 | | |
| 3 | 95 | 86 | 79 | 73 | 92 | 84 | 78 | 72 | 81 | 76 | 71 | 79 | 74 | 70 | 76 | 72 | 69 | 67 | | |
| 4 | 88 | 77 | 69 | 64 | 85 | 76 | 69 | 63 | 73 | 67 | 62 | 71 | 66 | 62 | 69 | 65 | 61 | 59 | | |
| 5 | 81 | 70 | 62 | 56 | 79 | 69 | 61 | 56 | 67 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 54 | 52 | | |
| 6 | 76 | 64 | 56 | 50 | 74 | 63 | 55 | 50 | 61 | 54 | 49 | 59 | 53 | 49 | 58 | 53 | 48 | 46 | | |
| 7 | 70 | 58 | 50 | 45 | 69 | 57 | 50 | 44 | 56 | 49 | 44 | 55 | 48 | 44 | 53 | 48 | 44 | 42 | | |
| 8 | 66 | 53 | 46 | 40 | 64 | 53 | 45 | 40 | 52 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 38 | | |
| 9 | 62 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 34 | | |
| 10 | 58 | 46 | 39 | 34 | 57 | 45 | 38 | 34 | 44 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 33 | 32 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 28578 | 28578 | 28578 | 28578 | 28578 |
| 5° | 28522 | 28357 | 28357 | 28522 | 28439 |
| 10° | 28017 | 27761 | 28017 | 28267 | 28351 |
| 15° | 27367 | 27111 | 27282 | 27707 | 27792 |
| 20° | 26556 | 26206 | 26381 | 26818 | 26906 |
| 25° | 25804 | 25441 | 25350 | 25622 | 25804 |
| 30° | 25390 | 24535 | 23491 | 23586 | 23966 |
| 35° | 24735 | 23624 | 21817 | 21014 | 21315 |
| 40° | 23651 | 22363 | 19887 | 18062 | 17740 |
| 45° | 22243 | 20615 | 17932 | 15257 | 13629 |
| 50° | 20375 | 18959 | 16017 | 12682 | 11147 |
| 55° | 18379 | 16946 | 14069 | 10771 | 9041 |
| 60° | 16304 | 14823 | 12028 | 8727 | 6918 |
| 65° | 14035 | 12660 | 9742 | 6434 | 4281 |
| 70° | 12037 | 10354 | 7229 | 3606 | 1683 |
| 75° | 9553 | 7964 | 4766 | 953 | 0 |
| 80° | 7103 | 5683 | 2368 | 0 | 0 |
| 85° | 3774 | 2830 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22243 cd/sqm



TEST NUMBER: P642330

CATALOG NUMBER: ML5612LSWW97FS1E - 692SC WW - 1200LM - 5000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 48.9 | 4.9 |
| 10°-20° | 135.7 | 13.6 |
| 20°-30° | 193.3 | 19.4 |
| 30°-40° | 207.9 | 20.9 |
| 40°-50° | 179.2 | 18.0 |
| 50°-60° | 129.8 | 13.0 |
| 60°-70° | 73.2 | 7.4 |
| 70°-80° | 24.9 | 2.5 |
| 80°-90° | 3.2 | 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° | 377.8 | 37.9 |
| 0°-40° | 585.7 | 58.8 |
| 0°-60° | 894.7 | 89.8 |
| 0°-90° | 996.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 996.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 521 | 521 | 521 | 521 | 521 | |
| 5° | 518 | 515 | 515 | 518 | 517 | 49 |
| 15° | 482 | 478 | 481 | 488 | 490 | 136 |
| 25° | 427 | 421 | 419 | 424 | 427 | 197 |
| 35° | 370 | 353 | 326 | 314 | 318 | 230 |
| 45° | 287 | 266 | 231 | 197 | 176 | 220 |
| 55° | 192 | 177 | 147 | 113 | 95 | 172 |
| 65° | 108 | 98 | 75 | 50 | 33 | 109 |
| 75° | 45 | 38 | 22 | 4 | 0 | 49 |
| 85° | 6 | 4 | 0 | 0 | 0 | 9 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P642330

CATALOG NUMBER: ML5612LSWW97FS1E - 692SC WW - 1200LM - 5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 |
| 2.5° | 524.3 | 519.8 | 518.3 | 519.8 | 519.8 | 519.8 | 519.8 | 519.8 | 519.8 | 518.3 | 519.8 |
| 5° | 518.3 | 513.8 | 513.8 | 513.8 | 513.8 | 513.8 | 512.3 | 513.8 | 513.8 | 513.8 | 515.3 |
| 7.5° | 512.3 | 506.3 | 507.8 | 506.3 | 507.8 | 506.3 | 506.3 | 507.8 | 506.3 | 507.8 | 507.8 |
| 10° | 503.3 | 498.7 | 498.7 | 498.7 | 498.7 | 498.7 | 498.7 | 498.7 | 498.7 | 498.7 | 498.7 |
| 12.5° | 492.7 | 488.2 | 488.2 | 488.2 | 488.2 | 488.2 | 488.2 | 488.2 | 489.7 | 488.2 | 488.2 |
| 15° | 482.2 | 476.2 | 477.7 | 476.2 | 476.2 | 476.2 | 476.2 | 476.2 | 476.2 | 476.2 | 477.7 |
| 17.5° | 468.7 | 464.2 | 464.2 | 464.2 | 464.2 | 464.2 | 464.2 | 462.7 | 464.2 | 464.2 | 464.2 |
| 20° | 455.2 | 450.7 | 450.7 | 449.2 | 450.7 | 449.2 | 449.2 | 449.2 | 450.7 | 449.2 | 449.2 |
| 22.5° | 440.2 | 435.7 | 437.2 | 435.7 | 435.7 | 435.7 | 435.7 | 435.7 | 434.2 | 435.7 | 434.2 |
| 25° | 426.6 | 425.1 | 423.6 | 425.1 | 423.6 | 423.6 | 423.6 | 422.1 | 422.1 | 422.1 | 420.6 |
| 27.5° | 413.1 | 410.1 | 410.1 | 410.1 | 410.1 | 408.6 | 408.6 | 408.6 | 407.1 | 405.6 | 405.6 |
| 30° | 401.1 | 396.6 | 396.6 | 396.6 | 395.1 | 395.1 | 393.6 | 393.6 | 390.6 | 389.1 | 387.6 |
| 32.5° | 386.1 | 383.1 | 381.6 | 381.6 | 380.1 | 380.1 | 378.6 | 378.6 | 375.6 | 374.1 | 371.1 |
| 35° | 369.6 | 368.1 | 368.1 | 366.6 | 365.0 | 363.5 | 362.0 | 360.5 | 359.0 | 356.0 | 353.0 |
| 37.5° | 350.0 | 348.5 | 347.0 | 347.0 | 345.5 | 344.0 | 344.0 | 341.0 | 339.5 | 336.5 | 333.5 |
| 40° | 330.5 | 327.5 | 327.5 | 326.0 | 324.5 | 323.0 | 323.0 | 320.0 | 318.5 | 315.5 | 312.5 |
| 42.5° | 308.0 | 305.0 | 305.0 | 303.5 | 303.5 | 303.5 | 302.0 | 298.9 | 295.9 | 292.9 | 289.9 |
| 45° | 286.9 | 283.9 | 283.9 | 280.9 | 280.9 | 279.4 | 277.9 | 276.4 | 273.4 | 270.4 | 265.9 |
| 47.5° | 261.4 | 259.9 | 259.9 | 258.4 | 256.9 | 255.4 | 255.4 | 253.9 | 250.9 | 246.4 | 243.4 |
| 50° | 238.9 | 237.4 | 237.4 | 235.9 | 234.4 | 232.9 | 231.3 | 229.8 | 228.3 | 225.3 | 222.3 |
| 52.5° | 214.8 | 214.8 | 213.3 | 211.8 | 211.8 | 210.3 | 208.8 | 207.3 | 204.3 | 201.3 | 199.8 |
| 55° | 192.3 | 190.8 | 190.8 | 189.3 | 189.3 | 187.8 | 186.3 | 184.8 | 183.3 | 180.3 | 177.3 |
| 57.5° | 171.3 | 168.3 | 168.3 | 166.8 | 166.8 | 166.8 | 165.2 | 162.2 | 160.7 | 157.7 | 156.2 |
| 60° | 148.7 | 147.2 | 147.2 | 147.2 | 145.7 | 144.2 | 144.2 | 141.2 | 139.7 | 138.2 | 135.2 |
| 62.5° | 127.7 | 126.2 | 126.2 | 126.2 | 124.7 | 124.7 | 123.2 | 121.7 | 120.2 | 118.7 | 115.7 |
| 65° | 108.2 | 108.2 | 108.2 | 106.7 | 106.7 | 105.2 | 103.7 | 103.7 | 102.2 | 100.7 | 97.6 |
| 67.5° | 91.6 | 90.1 | 90.1 | 90.1 | 88.6 | 88.6 | 87.1 | 85.6 | 84.1 | 82.6 | 79.6 |
| 70° | 75.1 | 73.6 | 73.6 | 72.1 | 72.1 | 72.1 | 72.1 | 70.6 | 67.6 | 67.6 | 64.6 |
| 72.5° | 58.6 | 58.6 | 58.6 | 57.1 | 57.1 | 57.1 | 55.6 | 55.6 | 54.1 | 52.6 | 51.1 |
| 75° | 45.1 | 45.1 | 45.1 | 43.6 | 43.6 | 43.6 | 42.1 | 42.1 | 40.6 | 39.1 | 37.6 |
| 77.5° | 33.0 | 33.0 | 33.0 | 31.5 | 31.5 | 31.5 | 30.0 | 30.0 | 28.5 | 28.5 | 27.0 |
| 80° | 22.5 | 22.5 | 22.5 | 21.0 | 21.0 | 21.0 | 21.0 | 19.5 | 19.5 | 18.0 | 18.0 |
| 82.5° | 13.5 | 13.5 | 13.5 | 13.5 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 10.5 | 10.5 |
| 85° | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 4.5 | 4.5 |
| 87.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 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: P642330

CATALOG NUMBER: ML5612LSWW97FS1E - 692SC WW - 1200LM - 5000K

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 |
| 2.5° | 519.8 | 519.8 | 519.8 | 519.8 | 519.8 | 519.8 | 519.8 | 519.8 | 519.8 | 521.3 | 519.8 |
| 5° | 515.3 | 515.3 | 515.3 | 515.3 | 515.3 | 515.3 | 516.8 | 515.3 | 516.8 | 515.3 | 516.8 |
| 7.5° | 507.8 | 507.8 | 509.3 | 509.3 | 507.8 | 509.3 | 509.3 | 509.3 | 509.3 | 510.8 | 510.8 |
| 10° | 498.7 | 500.3 | 500.3 | 501.8 | 501.8 | 501.8 | 501.8 | 503.3 | 503.3 | 503.3 | 503.3 |
| 12.5° | 489.7 | 489.7 | 489.7 | 489.7 | 491.2 | 489.7 | 491.2 | 491.2 | 492.7 | 494.2 | 492.7 |
| 15° | 476.2 | 477.7 | 477.7 | 477.7 | 477.7 | 477.7 | 479.2 | 480.7 | 480.7 | 480.7 | 482.2 |
| 17.5° | 464.2 | 464.2 | 464.2 | 465.7 | 464.2 | 465.7 | 465.7 | 465.7 | 467.2 | 467.2 | 468.7 |
| 20° | 449.2 | 447.7 | 450.7 | 449.2 | 449.2 | 450.7 | 450.7 | 450.7 | 452.2 | 452.2 | 452.2 |
| 22.5° | 432.7 | 434.2 | 432.7 | 432.7 | 434.2 | 434.2 | 434.2 | 432.7 | 434.2 | 434.2 | 435.7 |
| 25° | 419.1 | 419.1 | 419.1 | 419.1 | 419.1 | 419.1 | 419.1 | 417.6 | 419.1 | 419.1 | 419.1 |
| 27.5° | 404.1 | 401.1 | 401.1 | 399.6 | 399.6 | 398.1 | 396.6 | 396.6 | 396.6 | 395.1 | 396.6 |
| 30° | 386.1 | 383.1 | 381.6 | 380.1 | 378.6 | 378.6 | 375.6 | 374.1 | 372.6 | 371.1 | 369.6 |
| 32.5° | 368.1 | 365.0 | 363.5 | 362.0 | 359.0 | 357.5 | 354.5 | 353.0 | 351.5 | 348.5 | 345.5 |
| 35° | 351.5 | 347.0 | 344.0 | 341.0 | 339.5 | 338.0 | 335.0 | 332.0 | 329.0 | 326.0 | 323.0 |
| 37.5° | 329.0 | 326.0 | 323.0 | 320.0 | 318.5 | 317.0 | 314.0 | 308.0 | 305.0 | 302.0 | 298.9 |
| 40° | 309.5 | 305.0 | 302.0 | 297.4 | 295.9 | 292.9 | 289.9 | 285.4 | 280.9 | 277.9 | 274.9 |
| 42.5° | 285.4 | 282.4 | 279.4 | 274.9 | 273.4 | 270.4 | 265.9 | 262.9 | 259.9 | 253.9 | 250.9 |
| 45° | 262.9 | 259.9 | 256.9 | 252.4 | 249.4 | 247.9 | 244.9 | 240.4 | 235.9 | 231.3 | 228.3 |
| 47.5° | 240.4 | 237.4 | 232.9 | 229.8 | 226.8 | 225.3 | 222.3 | 217.8 | 213.3 | 208.8 | 205.8 |
| 50° | 217.8 | 214.8 | 211.8 | 205.8 | 205.8 | 202.8 | 199.8 | 195.3 | 192.3 | 187.8 | 183.3 |
| 52.5° | 196.8 | 192.3 | 189.3 | 184.8 | 184.8 | 183.3 | 178.8 | 174.3 | 171.3 | 166.8 | 163.7 |
| 55° | 174.3 | 171.3 | 168.3 | 165.2 | 162.2 | 160.7 | 159.2 | 154.7 | 150.2 | 147.2 | 142.7 |
| 57.5° | 153.2 | 148.7 | 147.2 | 144.2 | 142.7 | 141.2 | 138.2 | 133.7 | 130.7 | 127.7 | 124.7 |
| 60° | 133.7 | 130.7 | 126.2 | 124.7 | 123.2 | 121.7 | 118.7 | 115.7 | 112.7 | 109.7 | 106.7 |
| 62.5° | 114.2 | 111.2 | 108.2 | 105.2 | 103.7 | 102.2 | 100.7 | 97.6 | 94.6 | 91.6 | 88.6 |
| 65° | 94.6 | 93.1 | 90.1 | 88.6 | 87.1 | 85.6 | 82.6 | 79.6 | 78.1 | 75.1 | 72.1 |
| 67.5° | 78.1 | 76.6 | 73.6 | 72.1 | 70.6 | 70.6 | 66.1 | 64.6 | 61.6 | 60.1 | 57.1 |
| 70° | 63.1 | 61.6 | 58.6 | 57.1 | 55.6 | 54.1 | 52.6 | 51.1 | 48.1 | 45.1 | 43.6 |
| 72.5° | 49.6 | 46.6 | 45.1 | 43.6 | 42.1 | 42.1 | 39.1 | 37.6 | 34.6 | 33.0 | 30.0 |
| 75° | 36.1 | 34.6 | 33.0 | 31.5 | 31.5 | 30.0 | 28.5 | 27.0 | 24.0 | 22.5 | 21.0 |
| 77.5° | 25.5 | 24.0 | 22.5 | 21.0 | 21.0 | 19.5 | 18.0 | 16.5 | 15.0 | 13.5 | 12.0 |
| 80° | 16.5 | 15.0 | 15.0 | 13.5 | 12.0 | 12.0 | 10.5 | 9.0 | 7.5 | 7.5 | 6.0 |
| 82.5° | 9.0 | 9.0 | 7.5 | 7.5 | 6.0 | 6.0 | 4.5 | 4.5 | 3.0 | 3.0 | 1.5 |
| 85° | 4.5 | 3.0 | 3.0 | 3.0 | 3.0 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.5 | 1.5 | 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: P642330

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CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 |
| 2.5° | 519.8 | 519.8 | 519.8 | 519.8 | 519.8 | 519.8 | 519.8 | 519.8 | 521.3 | 519.8 | 519.8 |
| 5° | 516.8 | 516.8 | 518.3 | 516.8 | 518.3 | 518.3 | 516.8 | 516.8 | 518.3 | 519.8 | 518.3 |
| 7.5° | 510.8 | 510.8 | 512.3 | 512.3 | 512.3 | 512.3 | 512.3 | 513.8 | 513.8 | 515.3 | 515.3 |
| 10° | 504.8 | 504.8 | 504.8 | 504.8 | 506.3 | 506.3 | 507.8 | 507.8 | 507.8 | 507.8 | 507.8 |
| 12.5° | 494.2 | 495.7 | 495.7 | 495.7 | 495.7 | 497.2 | 497.2 | 498.7 | 498.7 | 498.7 | 500.3 |
| 15° | 482.2 | 483.7 | 485.2 | 485.2 | 483.7 | 485.2 | 486.7 | 486.7 | 488.2 | 488.2 | 488.2 |
| 17.5° | 468.7 | 470.2 | 470.2 | 471.7 | 470.2 | 473.2 | 473.2 | 474.7 | 474.7 | 476.2 | 476.2 |
| 20° | 453.7 | 455.2 | 455.2 | 455.2 | 456.7 | 456.7 | 458.2 | 458.2 | 459.7 | 459.7 | 459.7 |
| 22.5° | 435.7 | 437.2 | 437.2 | 437.2 | 437.2 | 438.7 | 438.7 | 440.2 | 441.7 | 443.2 | 441.7 |
| 25° | 419.1 | 420.6 | 422.1 | 420.6 | 422.1 | 422.1 | 422.1 | 423.6 | 423.6 | 425.1 | 423.6 |
| 27.5° | 396.6 | 396.6 | 396.6 | 398.1 | 399.6 | 399.6 | 399.6 | 401.1 | 401.1 | 401.1 | 402.6 |
| 30° | 369.6 | 368.1 | 369.6 | 369.6 | 369.6 | 369.6 | 372.6 | 372.6 | 372.6 | 374.1 | 375.6 |
| 32.5° | 344.0 | 344.0 | 344.0 | 342.5 | 342.5 | 342.5 | 342.5 | 344.0 | 344.0 | 345.5 | 347.0 |
| 35° | 320.0 | 318.5 | 315.5 | 315.5 | 315.5 | 314.0 | 312.5 | 312.5 | 314.0 | 314.0 | 314.0 |
| 37.5° | 294.4 | 292.9 | 291.4 | 288.4 | 288.4 | 285.4 | 283.9 | 282.4 | 282.4 | 280.9 | 280.9 |
| 40° | 270.4 | 267.4 | 264.4 | 264.4 | 261.4 | 259.9 | 256.9 | 255.4 | 252.4 | 249.4 | 249.4 |
| 42.5° | 246.4 | 243.4 | 240.4 | 238.9 | 235.9 | 234.4 | 229.8 | 226.8 | 223.8 | 222.3 | 219.3 |
| 45° | 223.8 | 220.8 | 216.3 | 214.8 | 211.8 | 208.8 | 205.8 | 201.3 | 196.8 | 193.8 | 192.3 |
| 47.5° | 201.3 | 198.3 | 193.8 | 190.8 | 189.3 | 184.8 | 181.8 | 177.3 | 172.8 | 168.3 | 163.7 |
| 50° | 180.3 | 175.8 | 171.3 | 168.3 | 166.8 | 162.2 | 159.2 | 154.7 | 148.7 | 147.2 | 142.7 |
| 52.5° | 159.2 | 154.7 | 150.2 | 148.7 | 147.2 | 142.7 | 138.2 | 133.7 | 130.7 | 126.2 | 123.2 |
| 55° | 138.2 | 135.2 | 130.7 | 129.2 | 127.7 | 123.2 | 118.7 | 115.7 | 112.7 | 108.2 | 105.2 |
| 57.5° | 120.2 | 117.2 | 112.7 | 111.2 | 109.7 | 105.2 | 102.2 | 97.6 | 94.6 | 91.6 | 88.6 |
| 60° | 103.7 | 99.1 | 96.1 | 94.6 | 93.1 | 88.6 | 85.6 | 82.6 | 79.6 | 76.6 | 72.1 |
| 62.5° | 85.6 | 82.6 | 79.6 | 78.1 | 75.1 | 73.6 | 69.1 | 67.6 | 63.1 | 61.6 | 58.6 |
| 65° | 69.1 | 66.1 | 63.1 | 63.1 | 61.6 | 57.1 | 55.6 | 52.6 | 49.6 | 46.6 | 45.1 |
| 67.5° | 55.6 | 52.6 | 49.6 | 48.1 | 46.6 | 43.6 | 42.1 | 39.1 | 36.1 | 34.6 | 31.5 |
| 70° | 42.1 | 39.1 | 36.1 | 34.6 | 33.0 | 31.5 | 28.5 | 25.5 | 22.5 | 21.0 | 18.0 |
| 72.5° | 28.5 | 25.5 | 24.0 | 24.0 | 22.5 | 19.5 | 16.5 | 15.0 | 12.0 | 10.5 | 9.0 |
| 75° | 18.0 | 15.0 | 13.5 | 12.0 | 12.0 | 10.5 | 7.5 | 6.0 | 4.5 | 3.0 | 1.5 |
| 77.5° | 10.5 | 9.0 | 7.5 | 6.0 | 6.0 | 4.5 | 3.0 | 1.5 | 1.5 | 0.0 | 0.0 |
| 80° | 4.5 | 3.0 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 1.5 | 1.5 | 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: P642330

CATALOG NUMBER: ML5612LSWW97FS1E - 692SC WW - 1200LM - 5000K

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 |
| 2.5° | 519.8 | 519.8 | 519.8 | 519.8 | 518.3 | 518.3 | 518.3 | 518.3 |
| 5° | 518.3 | 518.3 | 518.3 | 518.3 | 516.8 | 516.8 | 518.3 | 516.8 |
| 7.5° | 515.3 | 515.3 | 513.8 | 513.8 | 513.8 | 513.8 | 513.8 | 513.8 |
| 10° | 509.3 | 509.3 | 509.3 | 507.8 | 509.3 | 509.3 | 507.8 | 509.3 |
| 12.5° | 500.3 | 500.3 | 500.3 | 500.3 | 498.7 | 498.7 | 500.3 | 498.7 |
| 15° | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 488.2 | 489.7 | 489.7 |
| 17.5° | 477.7 | 477.7 | 476.2 | 476.2 | 476.2 | 477.7 | 477.7 | 476.2 |
| 20° | 461.2 | 461.2 | 461.2 | 461.2 | 461.2 | 461.2 | 461.2 | 461.2 |
| 22.5° | 443.2 | 443.2 | 443.2 | 443.2 | 443.2 | 443.2 | 443.2 | 443.2 |
| 25° | 425.1 | 425.1 | 425.1 | 425.1 | 425.1 | 425.1 | 425.1 | 426.6 |
| 27.5° | 402.6 | 402.6 | 402.6 | 402.6 | 402.6 | 401.1 | 401.1 | 404.1 |
| 30° | 375.6 | 377.1 | 377.1 | 377.1 | 377.1 | 377.1 | 377.1 | 378.6 |
| 32.5° | 348.5 | 348.5 | 348.5 | 350.0 | 348.5 | 350.0 | 348.5 | 348.5 |
| 35° | 317.0 | 317.0 | 317.0 | 317.0 | 317.0 | 318.5 | 318.5 | 318.5 |
| 37.5° | 280.9 | 282.4 | 282.4 | 283.9 | 283.9 | 283.9 | 285.4 | 283.9 |
| 40° | 247.9 | 247.9 | 247.9 | 246.4 | 247.9 | 246.4 | 247.9 | 247.9 |
| 42.5° | 216.3 | 213.3 | 213.3 | 211.8 | 211.8 | 210.3 | 208.8 | 208.8 |
| 45° | 187.8 | 183.3 | 183.3 | 181.8 | 180.3 | 177.3 | 175.8 | 175.8 |
| 47.5° | 160.7 | 159.2 | 157.7 | 156.2 | 154.7 | 151.7 | 150.2 | 151.7 |
| 50° | 138.2 | 136.7 | 135.2 | 135.2 | 133.7 | 132.2 | 130.7 | 130.7 |
| 52.5° | 120.2 | 117.2 | 115.7 | 115.7 | 114.2 | 112.7 | 112.7 | 112.7 |
| 55° | 102.2 | 99.1 | 99.1 | 99.1 | 97.6 | 96.1 | 96.1 | 94.6 |
| 57.5° | 85.6 | 82.6 | 82.6 | 81.1 | 79.6 | 79.6 | 79.6 | 78.1 |
| 60° | 70.6 | 67.6 | 66.1 | 66.1 | 64.6 | 63.1 | 63.1 | 63.1 |
| 62.5° | 55.6 | 54.1 | 51.1 | 51.1 | 49.6 | 48.1 | 46.6 | 48.1 |
| 65° | 42.1 | 39.1 | 37.6 | 37.6 | 36.1 | 34.6 | 33.0 | 33.0 |
| 67.5° | 28.5 | 27.0 | 25.5 | 25.5 | 22.5 | 22.5 | 21.0 | 21.0 |
| 70° | 16.5 | 15.0 | 15.0 | 13.5 | 12.0 | 12.0 | 10.5 | 10.5 |
| 72.5° | 7.5 | 6.0 | 6.0 | 4.5 | 4.5 | 3.0 | 3.0 | 3.0 |
| 75° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 0.0 | 0.0 |
| 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)