

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: P710096

Luminaire Tested: RA6LS9FSD2W1EWHDM-600lm-5000K

Issue Date: 10/6/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P710096  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A23044405B001)  
Test Lab: EVERFINE  
Issue Date: 10/6/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: RA6LS9FSD2W1EWHDM-600lm-5000K  
Description: 6IN DM SELECTABLE LUMENS  
Light Source: SELECTABLE LUMEN/CCT LEDs 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

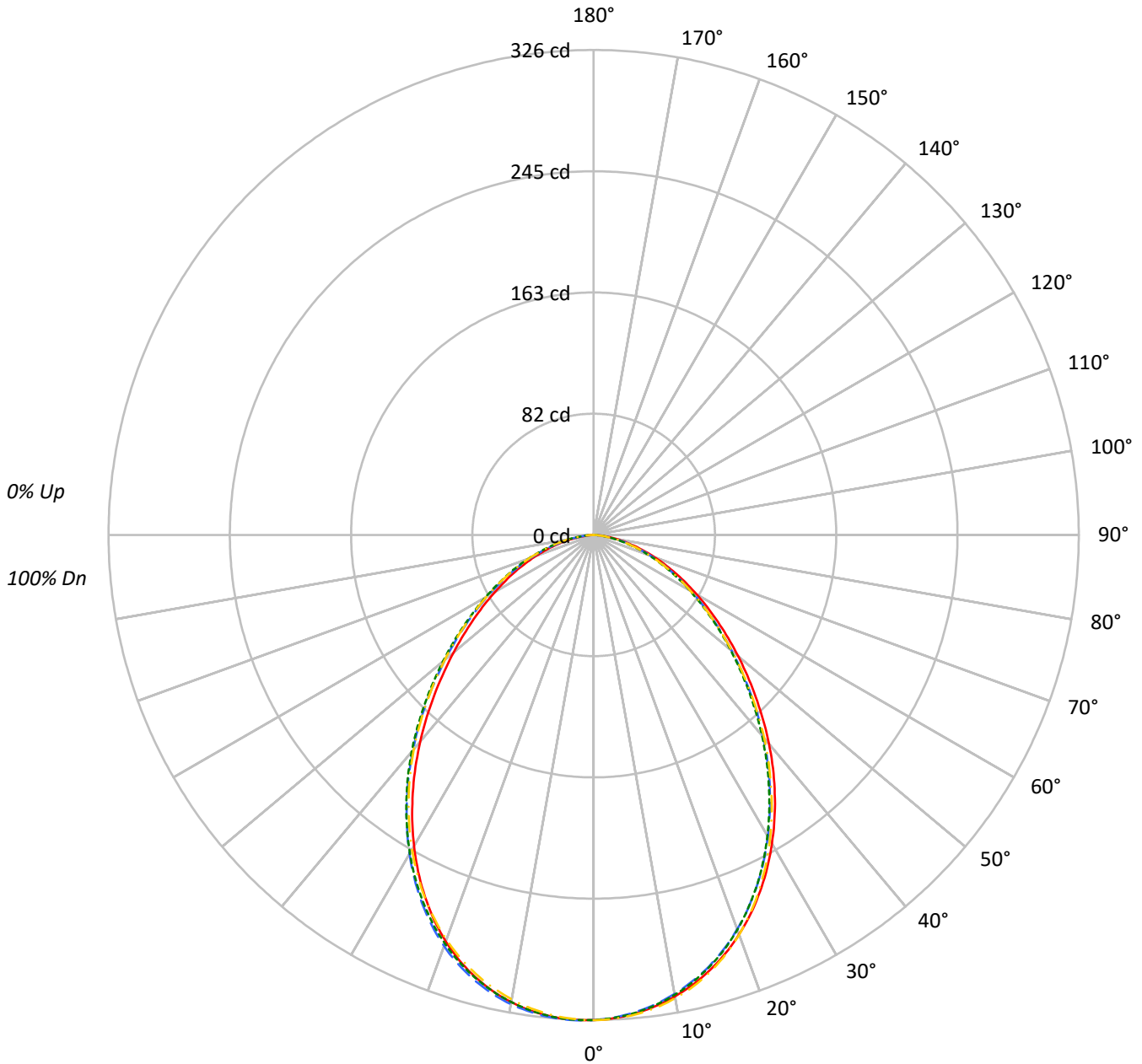
Lumens per Lamp: 939.74 (1 lamp)  
Luminaire Lumens: 675.0 lumens  
Efficiency: 71.8%  
Efficacy: 107.1 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 6.3  
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



TEST NUMBER: P710096  
CATALOG NUMBER: RA6LS9FSD2W1EWHDM-600lm-5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P710096

CATALOG NUMBER: RA6LS9FSD2W1EWHDM-600lm-5000K

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20 |    |    |    |    |    |    |    |    | 20 |    |    |    |    |    |    |    |    | 20 |    |   |    |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80 |    |    |    |    |    |    |    |    | 50 |    |    |    |    |    |    |    |    | 30 |    |   |    |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  | 0 |
| RW  | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |    |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| RCR |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 0   | 86 | 86 | 86 | 86 | 84 | 84 | 84 | 84 | 80 | 80 | 80 | 76 | 76 | 76 | 73 | 73 | 73 | 72 |    |    |   | 72 |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 1   | 79 | 76 | 73 | 71 | 77 | 74 | 72 | 70 | 71 | 69 | 68 | 69 | 67 | 66 | 66 | 65 | 64 | 62 |    |    |   | 62 |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 73 | 67 | 63 | 59 | 71 | 66 | 62 | 59 | 64 | 60 | 57 | 61 | 59 | 56 | 59 | 57 | 55 | 53 |    |    |   | 53 |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 67 | 60 | 55 | 51 | 65 | 59 | 54 | 50 | 57 | 53 | 49 | 55 | 51 | 48 | 53 | 50 | 48 | 46 |    |    |   | 46 |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 62 | 54 | 48 | 44 | 60 | 53 | 48 | 43 | 51 | 47 | 43 | 50 | 46 | 42 | 48 | 45 | 42 | 40 |    |    |   | 40 |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 57 | 49 | 43 | 38 | 56 | 48 | 42 | 38 | 46 | 41 | 38 | 45 | 41 | 37 | 44 | 40 | 37 | 36 |    |    |   | 36 |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 53 | 44 | 38 | 34 | 52 | 44 | 38 | 34 | 42 | 37 | 34 | 41 | 37 | 33 | 40 | 36 | 33 | 32 |    |    |   | 32 |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 49 | 40 | 34 | 30 | 48 | 40 | 34 | 30 | 39 | 34 | 30 | 38 | 33 | 30 | 37 | 33 | 30 | 28 |    |    |   | 28 |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 46 | 37 | 31 | 27 | 45 | 37 | 31 | 27 | 36 | 31 | 27 | 35 | 30 | 27 | 34 | 30 | 27 | 26 |    |    |   | 26 |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 43 | 34 | 29 | 25 | 42 | 34 | 28 | 25 | 33 | 28 | 25 | 32 | 28 | 25 | 32 | 27 | 24 | 23 |    |    |   | 23 |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 41 | 32 | 26 | 23 | 40 | 31 | 26 | 23 | 31 | 26 | 23 | 30 | 26 | 23 | 29 | 25 | 22 | 21 |    |    |   | 21 |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 17882 | 17882 | 17882 | 17882 |
| 5°  | 17764 | 17747 | 17885 | 17885 |
| 10° | 17529 | 17474 | 17752 | 17752 |
| 15° | 17179 | 17060 | 17458 | 17486 |
| 20° | 16673 | 16475 | 16959 | 17052 |
| 25° | 15999 | 15709 | 16223 | 16434 |
| 30° | 15167 | 14781 | 15287 | 15635 |
| 35° | 14201 | 13733 | 14181 | 14690 |
| 40° | 13117 | 12588 | 12967 | 13618 |
| 45° | 11947 | 11381 | 11699 | 12443 |
| 50° | 10806 | 10226 | 10473 | 11266 |
| 55° | 9739  | 9156  | 9376  | 10188 |
| 60° | 8771  | 8168  | 8377  | 9210  |
| 65° | 7848  | 7225  | 7524  | 8341  |
| 70° | 6956  | 6251  | 6588  | 7469  |
| 75° | 5973  | 5168  | 5549  | 6503  |
| 80° | 4830  | 3852  | 4293  | 5398  |
| 85° | 3334  | 2390  | 2264  | 4151  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 240°  
 Vertical Angle: 45°  
 Luminance: 12443 cd/sqm



TEST NUMBER: P710096  
 CATALOG NUMBER: RA6LS9FSD2W1EWHDM-600lm-5000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture | % Lamp |
|-----------|--------|-----------|--------|
| 0°-10°    | 30.7   | 4.5       | 3.3    |
| 10°-20°   | 85.7   | 12.7      | 9.1    |
| 20°-30°   | 122.2  | 18.1      | 13.0   |
| 30°-40°   | 132.6  | 19.6      | 14.1   |
| 40°-50°   | 118.4  | 17.5      | 12.6   |
| 50°-60°   | 90.5   | 13.4      | 9.6    |
| 60°-70°   | 59.4   | 8.8       | 6.3    |
| 70°-80°   | 29.3   | 4.3       | 3.1    |
| 80°-90°   | 6.3    | 0.9       | 0.7    |
| 90°-100°  | 0.0    | 0.0       | 0.0    |
| 100°-110° | 0.0    | 0.0       | 0.0    |
| 110°-120° | 0.0    | 0.0       | 0.0    |
| 120°-130° | 0.0    | 0.0       | 0.0    |
| 130°-140° | 0.0    | 0.0       | 0.0    |
| 140°-150° | 0.0    | 0.0       | 0.0    |
| 150°-160° | 0.0    | 0.0       | 0.0    |
| 160°-170° | 0.0    | 0.0       | 0.0    |
| 170°-180° | 0.0    | 0.0       | 0.0    |
| 0°-30°    | 238.6  | 35.3      | 25.4   |
| 0°-40°    | 371.2  | 55.0      | 39.5   |
| 0°-60°    | 580.0  | 85.9      | 61.7   |
| 0°-90°    | 675.0  | 100.0     | 71.8   |
| 90°-120°  | 0.0    | 0.0       | 0.0    |
| 90°-150°  | 0.0    | 0.0       | 0.0    |
| 90°-180°  | 0.0    | 0.0       | 0.0    |
| 0°-180°   | 675.0  | 100.0     | 71.8   |

**CANDELA DISTRIBUTION:**

|     | 0°  | 90° | 180° | 270° | 360° | Flux |
|-----|-----|-----|------|------|------|------|
| 0°  | 326 | 326 | 326  | 326  | 326  |      |
| 5°  | 323 | 322 | 325  | 325  | 323  | 31   |
| 15° | 303 | 301 | 308  | 308  | 303  | 85   |
| 25° | 264 | 260 | 268  | 272  | 264  | 122  |
| 35° | 212 | 205 | 212  | 220  | 212  | 132  |
| 45° | 154 | 147 | 151  | 160  | 154  | 119  |
| 55° | 102 | 96  | 98   | 107  | 102  | 91   |
| 65° | 60  | 56  | 58   | 64   | 60   | 60   |
| 75° | 28  | 24  | 26   | 31   | 28   | 30   |
| 85° | 5   | 4   | 4    | 7    | 5    | 7    |
| 90° | 0   | 0   | 0    | 1    | 0    |      |



TEST NUMBER: P710096

CATALOG NUMBER: RA6LS9FSD2W1EWHDM-600lm-5000K

**CANDELA DISTRIBUTION (FULL):**

|     | 0°    | 30°   | 60°   | 90°   | 120°  | 150°  | 180°  | 210°  | 240°  | 270°  | 300°  |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°  | 326.2 | 326.2 | 326.2 | 326.2 | 326.2 | 326.2 | 326.2 | 326.2 | 326.2 | 326.2 | 326.2 |
| 1°  | 325.9 | 325.7 | 325.7 | 325.7 | 325.8 | 326.2 | 326.3 | 326.5 | 326.4 | 326.2 | 326.2 |
| 2°  | 325.4 | 325.0 | 325.0 | 325.2 | 325.5 | 326.0 | 326.2 | 326.6 | 326.4 | 326.2 | 326.0 |
| 3°  | 324.8 | 324.2 | 324.3 | 324.5 | 324.8 | 325.6 | 326.0 | 326.5 | 326.3 | 326.0 | 325.7 |
| 4°  | 323.9 | 323.2 | 323.2 | 323.6 | 323.9 | 325.0 | 325.6 | 326.1 | 326.0 | 325.6 | 325.2 |
| 5°  | 322.8 | 322.0 | 322.0 | 322.5 | 322.9 | 324.2 | 325.0 | 325.7 | 325.6 | 325.0 | 324.5 |
| 6°  | 321.6 | 320.6 | 320.6 | 321.1 | 321.8 | 323.2 | 324.2 | 325.0 | 324.9 | 324.1 | 323.5 |
| 7°  | 320.2 | 319.1 | 319.0 | 319.6 | 320.4 | 322.1 | 323.2 | 324.2 | 324.0 | 323.1 | 322.4 |
| 8°  | 318.7 | 317.3 | 317.3 | 317.8 | 318.7 | 320.8 | 322.0 | 323.1 | 322.9 | 321.9 | 321.2 |
| 9°  | 316.9 | 315.4 | 315.3 | 316.0 | 316.9 | 319.3 | 320.6 | 321.8 | 321.6 | 320.5 | 319.7 |
| 10° | 314.9 | 313.4 | 313.2 | 313.9 | 314.9 | 317.4 | 318.9 | 320.4 | 320.2 | 318.9 | 318.0 |
| 11° | 312.9 | 311.1 | 310.9 | 311.7 | 312.7 | 315.6 | 317.1 | 318.7 | 318.5 | 317.1 | 316.2 |
| 12° | 310.6 | 308.6 | 308.4 | 309.2 | 310.3 | 313.4 | 315.1 | 316.8 | 316.6 | 315.2 | 314.1 |
| 13° | 308.1 | 306.0 | 305.7 | 306.5 | 307.7 | 311.0 | 312.8 | 314.7 | 314.5 | 313.0 | 311.9 |
| 14° | 305.5 | 303.3 | 302.9 | 303.7 | 304.9 | 308.3 | 310.3 | 312.4 | 312.2 | 310.6 | 309.5 |
| 15° | 302.7 | 300.3 | 299.8 | 300.6 | 301.9 | 305.5 | 307.6 | 309.9 | 309.7 | 308.1 | 306.9 |
| 16° | 299.7 | 297.1 | 296.6 | 297.4 | 298.6 | 302.5 | 304.7 | 307.2 | 307.0 | 305.3 | 304.1 |
| 17° | 296.5 | 293.7 | 293.1 | 294.0 | 295.2 | 299.3 | 301.6 | 304.2 | 304.1 | 302.4 | 301.1 |
| 18° | 293.2 | 290.2 | 289.5 | 290.3 | 291.6 | 295.8 | 298.2 | 301.0 | 301.0 | 299.3 | 298.0 |
| 19° | 289.6 | 286.5 | 285.7 | 286.4 | 287.8 | 292.1 | 294.6 | 297.7 | 297.7 | 295.9 | 294.6 |
| 20° | 285.8 | 282.5 | 281.6 | 282.4 | 283.7 | 288.2 | 290.7 | 294.0 | 294.2 | 292.3 | 291.1 |
| 21° | 281.9 | 278.4 | 277.5 | 278.1 | 279.4 | 284.1 | 286.6 | 290.2 | 290.4 | 288.6 | 287.4 |
| 22° | 277.8 | 274.3 | 273.2 | 273.7 | 275.1 | 279.8 | 282.3 | 286.1 | 286.4 | 284.7 | 283.3 |
| 23° | 273.6 | 269.7 | 268.7 | 269.2 | 270.5 | 275.3 | 277.9 | 281.7 | 282.3 | 280.4 | 279.3 |
| 24° | 269.1 | 265.3 | 264.0 | 264.4 | 265.8 | 270.6 | 273.1 | 277.3 | 278.0 | 276.2 | 275.0 |
| 25° | 264.5 | 260.5 | 259.2 | 259.7 | 260.8 | 265.8 | 268.2 | 272.6 | 273.5 | 271.7 | 270.6 |
| 26° | 259.8 | 255.7 | 254.3 | 254.7 | 255.7 | 260.7 | 263.2 | 267.7 | 268.7 | 267.0 | 265.9 |
| 27° | 255.0 | 250.7 | 249.2 | 249.5 | 250.6 | 255.6 | 258.0 | 262.6 | 263.9 | 262.2 | 261.3 |
| 28° | 250.0 | 245.6 | 244.0 | 244.3 | 245.3 | 250.4 | 252.6 | 257.4 | 258.8 | 257.4 | 256.4 |
| 29° | 244.9 | 240.4 | 238.7 | 239.0 | 239.9 | 245.0 | 247.1 | 252.1 | 253.7 | 252.2 | 251.3 |
| 30° | 239.6 | 235.0 | 233.3 | 233.5 | 234.4 | 239.4 | 241.5 | 246.6 | 248.4 | 247.0 | 246.2 |
| 31° | 234.3 | 229.7 | 227.9 | 228.0 | 228.8 | 233.8 | 235.7 | 241.0 | 243.0 | 241.7 | 240.9 |
| 32° | 228.9 | 224.1 | 222.2 | 222.4 | 223.1 | 227.9 | 229.9 | 235.2 | 237.5 | 236.3 | 235.5 |
| 33° | 223.4 | 218.6 | 216.6 | 216.7 | 217.4 | 222.1 | 224.0 | 229.4 | 231.8 | 230.7 | 230.1 |
| 34° | 218.0 | 213.0 | 210.9 | 211.0 | 211.6 | 216.2 | 217.9 | 223.5 | 226.1 | 225.1 | 224.6 |
| 35° | 212.2 | 207.3 | 205.3 | 205.2 | 205.8 | 210.4 | 211.9 | 217.6 | 220.3 | 219.5 | 218.9 |
| 36° | 206.5 | 201.5 | 199.4 | 199.4 | 199.9 | 204.4 | 205.8 | 211.6 | 214.5 | 213.7 | 213.3 |
| 37° | 200.8 | 195.8 | 193.7 | 193.6 | 193.9 | 198.4 | 199.7 | 205.5 | 208.6 | 208.0 | 207.5 |
| 38° | 195.0 | 189.9 | 187.9 | 187.7 | 188.0 | 192.4 | 193.6 | 199.5 | 202.7 | 202.1 | 201.7 |
| 39° | 189.1 | 184.1 | 182.0 | 181.8 | 182.0 | 186.3 | 187.4 | 193.4 | 196.7 | 196.2 | 195.9 |
| 40° | 183.3 | 178.2 | 176.2 | 175.9 | 176.1 | 180.3 | 181.2 | 187.2 | 190.6 | 190.3 | 190.0 |
| 41° | 177.4 | 172.3 | 170.3 | 170.0 | 170.1 | 174.3 | 175.1 | 181.1 | 184.7 | 184.4 | 184.1 |
| 42° | 171.5 | 166.5 | 164.3 | 164.1 | 164.2 | 168.3 | 169.0 | 174.9 | 178.6 | 178.3 | 178.1 |



TEST NUMBER: P710096

CATALOG NUMBER: RA6LS9FSD2W1EWHDM-600lm-5000K

**CANDELA DISTRIBUTION (continued):**

|     | 0°    | 30°   | 60°   | 90°   | 120°  | 150°  | 180°  | 210°  | 240°  | 270°  | 300°  |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 45° | 154.1 | 149.1 | 147.2 | 146.8 | 146.7 | 150.5 | 150.9 | 156.8 | 160.5 | 160.5 | 160.5 |
| 46° | 148.4 | 143.5 | 141.6 | 141.2 | 141.1 | 144.6 | 145.1 | 150.8 | 154.5 | 154.6 | 154.7 |
| 47° | 142.8 | 138.0 | 136.1 | 135.7 | 135.6 | 139.1 | 139.3 | 145.1 | 148.9 | 148.9 | 149.0 |
| 48° | 137.3 | 132.5 | 130.9 | 130.5 | 130.1 | 133.6 | 133.7 | 139.4 | 143.0 | 143.2 | 143.3 |
| 49° | 132.0 | 127.2 | 125.6 | 125.2 | 124.7 | 128.3 | 128.2 | 133.9 | 137.5 | 137.6 | 137.9 |
| 50° | 126.7 | 122.0 | 120.4 | 119.9 | 119.6 | 123.0 | 122.8 | 128.5 | 131.9 | 132.1 | 132.5 |
| 51° | 121.5 | 116.8 | 115.4 | 114.9 | 114.5 | 117.7 | 117.7 | 123.2 | 126.6 | 126.8 | 127.1 |
| 52° | 116.4 | 111.9 | 110.4 | 110.0 | 109.5 | 112.6 | 112.6 | 117.9 | 121.3 | 121.6 | 121.7 |
| 53° | 111.5 | 107.0 | 105.6 | 105.1 | 104.7 | 107.7 | 107.6 | 112.8 | 116.2 | 116.5 | 116.9 |
| 54° | 106.6 | 102.2 | 100.9 | 100.4 | 99.9  | 102.9 | 102.8 | 107.9 | 111.1 | 111.5 | 111.9 |
| 55° | 101.9 | 97.7  | 96.3  | 95.8  | 95.3  | 98.2  | 98.1  | 103.1 | 106.3 | 106.6 | 107.1 |
| 56° | 97.3  | 93.2  | 91.8  | 91.3  | 90.9  | 93.6  | 93.5  | 98.4  | 101.5 | 101.9 | 102.3 |
| 57° | 92.8  | 88.7  | 87.5  | 86.9  | 86.5  | 89.1  | 89.1  | 93.8  | 96.8  | 97.2  | 97.7  |
| 58° | 88.4  | 84.4  | 83.2  | 82.7  | 82.2  | 84.8  | 84.7  | 89.4  | 92.3  | 92.7  | 93.2  |
| 59° | 84.1  | 80.3  | 79.1  | 78.5  | 78.0  | 80.6  | 80.5  | 85.0  | 87.9  | 88.3  | 88.8  |
| 60° | 80.0  | 76.2  | 75.0  | 74.5  | 73.9  | 76.5  | 76.4  | 80.8  | 83.6  | 84.0  | 84.5  |
| 61° | 75.9  | 72.1  | 71.0  | 70.6  | 70.0  | 72.5  | 72.5  | 76.7  | 79.4  | 79.8  | 80.3  |
| 62° | 71.9  | 68.2  | 67.2  | 66.6  | 66.4  | 68.5  | 68.5  | 72.7  | 75.1  | 75.8  | 76.2  |
| 63° | 68.1  | 64.7  | 63.4  | 62.9  | 62.8  | 64.7  | 65.0  | 68.7  | 71.1  | 71.8  | 72.3  |
| 64° | 64.3  | 61.2  | 59.8  | 59.3  | 59.2  | 61.1  | 61.5  | 64.9  | 67.2  | 67.9  | 68.4  |
| 65° | 60.5  | 57.6  | 56.1  | 55.7  | 55.6  | 57.4  | 58.0  | 61.1  | 63.6  | 64.3  | 64.6  |
| 66° | 57.0  | 54.1  | 52.7  | 52.2  | 52.1  | 53.9  | 54.4  | 57.4  | 60.0  | 60.8  | 60.9  |
| 67° | 53.4  | 50.6  | 49.2  | 48.7  | 48.7  | 50.4  | 51.0  | 53.9  | 56.3  | 57.1  | 57.2  |
| 68° | 50.0  | 47.3  | 45.9  | 45.5  | 45.4  | 47.1  | 47.6  | 50.4  | 52.7  | 53.5  | 53.7  |
| 69° | 46.6  | 44.0  | 42.7  | 42.1  | 42.1  | 43.7  | 44.3  | 46.9  | 49.2  | 50.0  | 50.3  |
| 70° | 43.4  | 40.8  | 39.5  | 39.0  | 38.9  | 40.6  | 41.1  | 43.6  | 45.8  | 46.6  | 46.9  |
| 71° | 40.2  | 37.7  | 36.4  | 35.9  | 35.9  | 37.4  | 38.0  | 40.4  | 42.4  | 43.3  | 43.6  |
| 72° | 37.0  | 34.6  | 33.4  | 32.9  | 32.8  | 34.3  | 34.9  | 37.2  | 39.1  | 40.0  | 40.4  |
| 73° | 34.0  | 31.7  | 30.5  | 30.0  | 29.9  | 31.4  | 31.9  | 34.1  | 36.0  | 36.9  | 37.2  |
| 74° | 31.1  | 28.8  | 27.6  | 27.1  | 27.1  | 28.4  | 29.0  | 31.1  | 32.9  | 33.7  | 34.1  |
| 75° | 28.2  | 26.1  | 24.9  | 24.4  | 24.3  | 25.6  | 26.2  | 28.2  | 29.8  | 30.7  | 31.2  |
| 76° | 25.4  | 23.4  | 22.2  | 21.7  | 21.7  | 22.9  | 23.5  | 25.3  | 26.9  | 27.8  | 28.2  |
| 77° | 22.7  | 20.7  | 19.7  | 19.2  | 19.2  | 20.3  | 20.9  | 22.6  | 24.1  | 25.0  | 25.4  |
| 78° | 20.2  | 18.3  | 17.3  | 16.8  | 16.7  | 17.7  | 18.3  | 20.0  | 21.4  | 22.2  | 22.7  |
| 79° | 17.7  | 15.9  | 14.9  | 14.4  | 14.4  | 15.3  | 15.9  | 17.5  | 18.7  | 19.6  | 20.0  |
| 80° | 15.3  | 13.7  | 12.7  | 12.2  | 12.2  | 13.0  | 13.6  | 15.1  | 16.3  | 17.1  | 17.5  |
| 81° | 13.1  | 11.6  | 10.6  | 10.2  | 10.1  | 10.9  | 11.5  | 12.8  | 13.9  | 14.7  | 15.1  |
| 82° | 11.0  | 9.6   | 8.7   | 8.3   | 8.2   | 8.9   | 9.4   | 10.7  | 11.6  | 12.4  | 12.8  |
| 83° | 9.0   | 7.7   | 7.0   | 6.6   | 6.5   | 7.0   | 7.2   | 8.7   | 9.6   | 10.3  | 10.6  |
| 84° | 7.2   | 6.1   | 5.5   | 5.1   | 5.0   | 5.3   | 5.2   | 6.8   | 7.7   | 8.3   | 8.7   |
| 85° | 5.3   | 4.7   | 4.2   | 3.8   | 3.7   | 3.9   | 3.6   | 5.0   | 6.0   | 6.6   | 6.9   |
| 86° | 3.7   | 3.3   | 3.0   | 2.7   | 2.6   | 2.6   | 2.4   | 3.6   | 4.5   | 5.0   | 5.3   |
| 87° | 2.4   | 2.0   | 1.9   | 1.6   | 1.5   | 1.5   | 1.1   | 2.3   | 3.4   | 3.8   | 4.0   |



TEST NUMBER: P710096  
CATALOG NUMBER: RA6LS9FSD2W1EWHDM-600lm-5000K

**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 30° | 60° | 90° | 120° | 150° | 180° | 210° | 240° | 270° | 300° |
|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| 90° | 0.1 | 0.1 | 0.1 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.2  | 0.6  | 0.7  |





TEST NUMBER: P710096

CATALOG NUMBER: RA6LS9FSD2W1EWHDM-600lm-5000K

**CANDELA DISTRIBUTION (continued):**

|     | 330°  | 360°  |
|-----|-------|-------|
| 0°  | 326.2 | 326.2 |
| 1°  | 326.1 | 325.9 |
| 2°  | 325.6 | 325.4 |
| 3°  | 325.1 | 324.8 |
| 4°  | 324.3 | 323.9 |
| 5°  | 323.3 | 322.8 |
| 6°  | 322.3 | 321.6 |
| 7°  | 321.0 | 320.2 |
| 8°  | 319.5 | 318.7 |
| 9°  | 317.8 | 316.9 |
| 10° | 316.0 | 314.9 |
| 11° | 314.0 | 312.9 |
| 12° | 311.8 | 310.6 |
| 13° | 309.4 | 308.1 |
| 14° | 306.9 | 305.5 |
| 15° | 304.2 | 302.7 |
| 16° | 301.2 | 299.7 |
| 17° | 298.2 | 296.5 |
| 18° | 294.8 | 293.2 |
| 19° | 291.4 | 289.6 |
| 20° | 287.7 | 285.8 |
| 21° | 283.8 | 281.9 |
| 22° | 279.8 | 277.8 |
| 23° | 275.6 | 273.6 |
| 24° | 271.3 | 269.1 |
| 25° | 266.7 | 264.5 |
| 26° | 262.1 | 259.8 |
| 27° | 257.2 | 255.0 |
| 28° | 252.4 | 250.0 |
| 29° | 247.3 | 244.9 |
| 30° | 242.0 | 239.6 |
| 31° | 236.7 | 234.3 |
| 32° | 231.4 | 228.9 |
| 33° | 225.9 | 223.4 |
| 34° | 220.3 | 218.0 |
| 35° | 214.7 | 212.2 |
| 36° | 209.0 | 206.5 |
| 37° | 203.3 | 200.8 |
| 38° | 197.5 | 195.0 |
| 39° | 191.7 | 189.1 |
| 40° | 185.9 | 183.3 |
| 41° | 179.9 | 177.4 |
| 42° | 174.0 | 171.5 |



TEST NUMBER: P710096

CATALOG NUMBER: RA6LS9FSD2W1EWHDM-600lm-5000K

**CANDELA DISTRIBUTION (continued):**

|     | 330°  | 360°  |
|-----|-------|-------|
| 45° | 156.5 | 154.1 |
| 46° | 150.7 | 148.4 |
| 47° | 145.1 | 142.8 |
| 48° | 139.5 | 137.3 |
| 49° | 134.0 | 132.0 |
| 50° | 128.6 | 126.7 |
| 51° | 123.4 | 121.5 |
| 52° | 118.3 | 116.4 |
| 53° | 113.3 | 111.5 |
| 54° | 108.4 | 106.6 |
| 55° | 103.6 | 101.9 |
| 56° | 99.0  | 97.3  |
| 57° | 94.4  | 92.8  |
| 58° | 90.0  | 88.4  |
| 59° | 85.6  | 84.1  |
| 60° | 81.5  | 80.0  |
| 61° | 77.3  | 75.9  |
| 62° | 73.3  | 71.9  |
| 63° | 69.4  | 68.1  |
| 64° | 65.8  | 64.3  |
| 65° | 62.2  | 60.5  |
| 66° | 58.6  | 57.0  |
| 67° | 55.1  | 53.4  |
| 68° | 51.6  | 50.0  |
| 69° | 48.3  | 46.6  |
| 70° | 45.0  | 43.4  |
| 71° | 41.7  | 40.2  |
| 72° | 38.6  | 37.0  |
| 73° | 35.5  | 34.0  |
| 74° | 32.5  | 31.1  |
| 75° | 29.6  | 28.2  |
| 76° | 26.8  | 25.4  |
| 77° | 24.1  | 22.7  |
| 78° | 21.5  | 20.2  |
| 79° | 18.9  | 17.7  |
| 80° | 16.5  | 15.3  |
| 81° | 14.2  | 13.1  |
| 82° | 12.0  | 11.0  |
| 83° | 9.9   | 9.0   |
| 84° | 8.0   | 7.2   |
| 85° | 6.3   | 5.3   |
| 86° | 4.7   | 3.7   |
| 87° | 3.3   | 2.4   |



TEST NUMBER: P710096  
CATALOG NUMBER: RA6LS9FSD2W1EWHDM-600lm-5000K

**CANDELA DISTRIBUTION (continued):**

|     |      |      |
|-----|------|------|
|     | 330° | 360° |
| 90° | 0.3  | 0.1  |

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  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - 135°-315°

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

Scaled Data Report



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

Scaled Data Report







|     |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 43° | 165.7 | 160.6 | 158.6 | 158.2 | 158.3 | 162.2 | 162.8 | 168.9 | 172.6 | 172.3 | 172.2 |
| 44° | 159.8 | 154.9 | 152.9 | 152.5 | 152.5 | 156.4 | 156.8 | 162.8 | 166.5 | 166.4 | 166.4 |



|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 88° | 1.1 | 1.0 | 1.0 | 0.7 | 0.6 | 0.8 | 0.4 | 1.3 | 2.3 | 2.7 | 2.8 |
| 89° | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.5 | 1.2 | 1.5 | 1.7 |

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Scaled Data Report





|     |       |       |
|-----|-------|-------|
| 43° | 168.0 | 165.7 |
| 44° | 162.2 | 159.8 |

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Peachtree City, GA 30269

Scaled Data Report



|     |     |     |
|-----|-----|-----|
| 88° | 2.0 | 1.1 |
| 89° | 1.0 | 0.4 |

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

Scaled Data Report



(END OF REPORT)