

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: SURE-LITES

Report Number: G1-1709-320-1

Luminaire Tested: **SRPA1**

Test Date: 10/06/17

Test Information

Test Method: LM-79-08
Report Number: G1-1709-320-1
Test Lab: INNOVATION CENTER(G1)
Test Date: 10/06/17
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SURE-LITES
Catalog Number: SRPA1
Description: ARCHITECTURAL REMOTE; 1 HEAD
Light Source: (1) EMERGENCY LED
Ballast/Driver: (1) AGILENT DC POWER SUPPLY 4.6 VOLTS
DC POWER SUPPLY IN0198

Summary

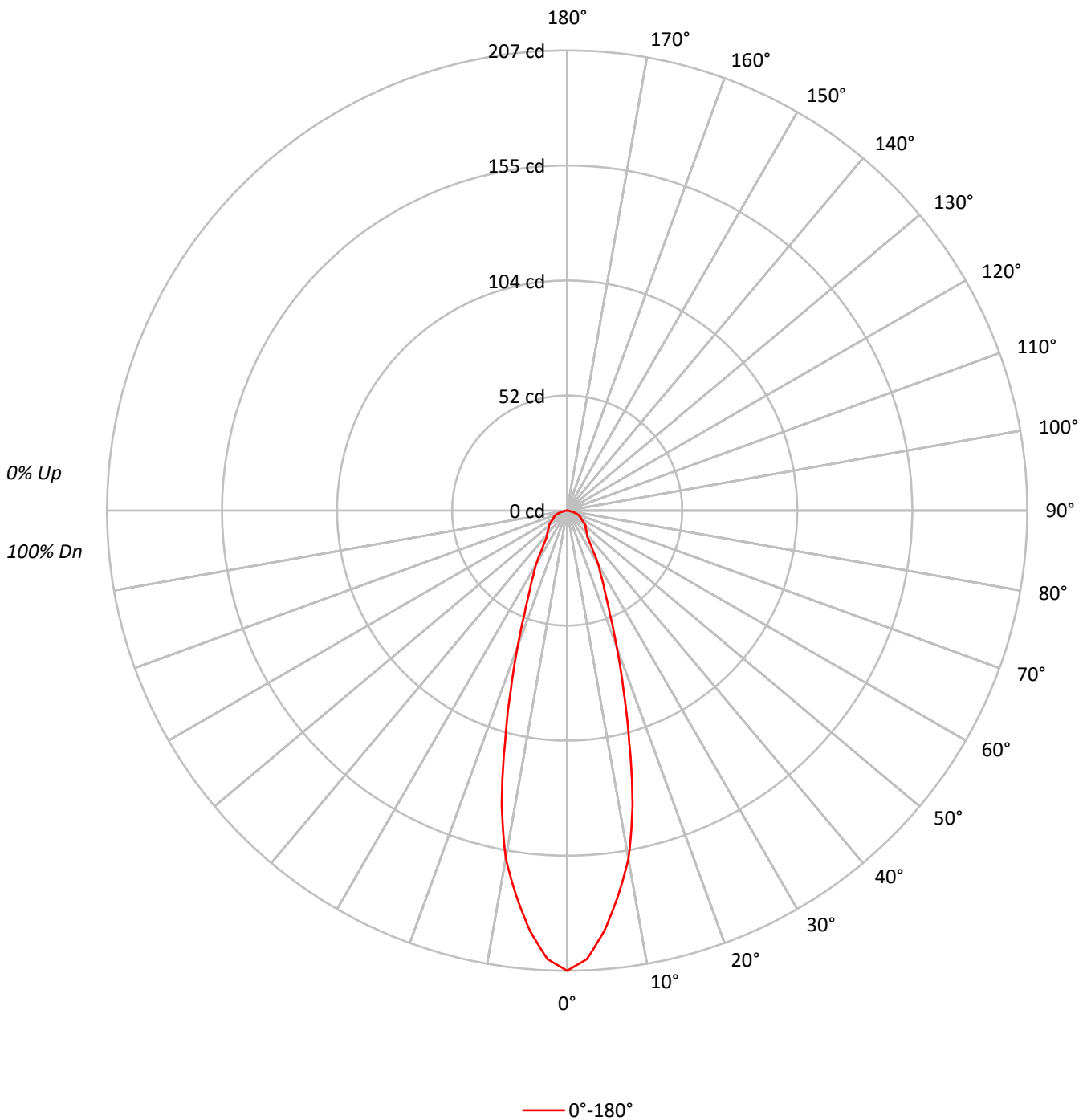
Lumens per Lamp: N/A
Luminaire Lumens: 105.0 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52
Luminous Opening: Circular (Dia: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 1.54
Input Voltage (V): 4.60
Input Current (A_{in}): 0.334
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): DC
Stabilization Time: 0.5 HR
Operation Time: 4.0 HR
Ambient Temperature (°C): 24.9
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 | | |
| 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 | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 101 | 103 | 100 | 98 | | 99 | 97 | 95 | | 95 | 94 | 93 | 91 |
| 2 | 105 | 100 | 95 | 91 | 103 | 98 | 93 | 90 | 95 | 91 | 88 | | 91 | 88 | 86 | | 89 | 86 | 84 | 82 |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | | 85 | 81 | 78 | | 83 | 80 | 77 | 75 |
| 4 | 94 | 85 | 79 | 74 | 92 | 84 | 78 | 74 | 82 | 77 | 73 | | 80 | 75 | 72 | | 78 | 74 | 71 | 69 |
| 5 | 89 | 79 | 73 | 68 | 87 | 78 | 72 | 68 | 77 | 71 | 67 | | 75 | 70 | 67 | | 73 | 69 | 66 | 64 |
| 6 | 84 | 75 | 68 | 63 | 83 | 74 | 68 | 63 | 72 | 67 | 63 | | 71 | 66 | 62 | | 69 | 65 | 62 | 60 |
| 7 | 80 | 70 | 64 | 59 | 79 | 70 | 63 | 59 | 68 | 63 | 59 | | 67 | 62 | 58 | | 66 | 61 | 58 | 57 |
| 8 | 77 | 66 | 60 | 56 | 75 | 66 | 60 | 56 | 65 | 59 | 55 | | 64 | 59 | 55 | | 63 | 58 | 55 | 53 |
| 9 | 73 | 63 | 57 | 53 | 72 | 63 | 57 | 53 | 62 | 56 | 53 | | 61 | 56 | 52 | | 60 | 55 | 52 | 51 |
| 10 | 70 | 60 | 54 | 50 | 69 | 60 | 54 | 50 | 59 | 54 | 50 | | 58 | 53 | 50 | | 57 | 53 | 50 | 48 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 181564 |
| 5° | 167290 |
| 10° | 141614 |
| 15° | 98071 |
| 20° | 60672 |
| 25° | 38712 |
| 30° | 28359 |
| 35° | 19274 |
| 40° | 16030 |
| 45° | 14885 |
| 50° | 15010 |
| 55° | 13763 |
| 60° | 12280 |
| 65° | 12453 |
| 70° | 12823 |
| 75° | 10167 |
| 80° | 5051 |
| 85° | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 17.1 | 16.3 |
| 10°-20° | 29.8 | 28.4 |
| 20°-30° | 19.1 | 18.2 |
| 30°-40° | 11.8 | 11.2 |
| 40°-50° | 9.4 | 8.9 |
| 50°-60° | 8.0 | 7.7 |
| 60°-70° | 6.2 | 5.9 |
| 70°-80° | 3.2 | 3.0 |
| 80°-90° | 0.4 | 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 |
| <hr/> | | |
| 0°-30° | 66.0 | 62.9 |
| 0°-40° | 77.8 | 74.1 |
| 0°-60° | 95.2 | 90.7 |
| 0°-90° | 105.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 105.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 207 | |
| 5° | 190 | 17 |
| 15° | 108 | 30 |
| 25° | 40 | 19 |
| 35° | 18 | 12 |
| 45° | 12 | 9 |
| 55° | 9 | 8 |
| 65° | 6 | 6 |
| 75° | 3 | 3 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-----|
| 0° | 207 |
| 2.5° | 202 |
| 5° | 190 |
| 7.5° | 175 |
| 10° | 159 |
| 12.5° | 136 |
| 15° | 108 |
| 17.5° | 84 |
| 20° | 65 |
| 22.5° | 50 |
| 25° | 40 |
| 27.5° | 33 |
| 30° | 28 |
| 32.5° | 22 |
| 35° | 18 |
| 37.5° | 15 |
| 40° | 14 |
| 42.5° | 13 |
| 45° | 12 |
| 47.5° | 11 |
| 50° | 11 |
| 52.5° | 10 |
| 55° | 9 |
| 57.5° | 8 |
| 60° | 7 |
| 62.5° | 7 |
| 65° | 6 |
| 67.5° | 6 |
| 70° | 5 |
| 72.5° | 4 |
| 75° | 3 |
| 77.5° | 2 |
| 80° | 1 |
| 82.5° | 1 |
| 85° | 0 |
| 87.5° | 0 |
| 90° | 0 |

(END OF REPORT)