

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: P26834

Luminaire Tested: **SRM25**

Test Date: 09/30/15

**Test Information**

Test Method: LM-79-08  
Report Number: P26834  
Test Lab: INNOVATION CENTER-P2  
Test Date: 09/30/15  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SURE-LITES  
Catalog Number: SRM25  
Description: SURE-LITES EMERGENCY LIGHT HEAD RUN AT 4.8 VDC SAMPLE B  
Light Source: (1) SAMSUNG 5000K LED  
CXB1820-0000-000N0UR230G  
Ballast/Driver: AGLIENT DC POWER SUPPLY  
DC POWER SUPPLY IN0011

**Summary**

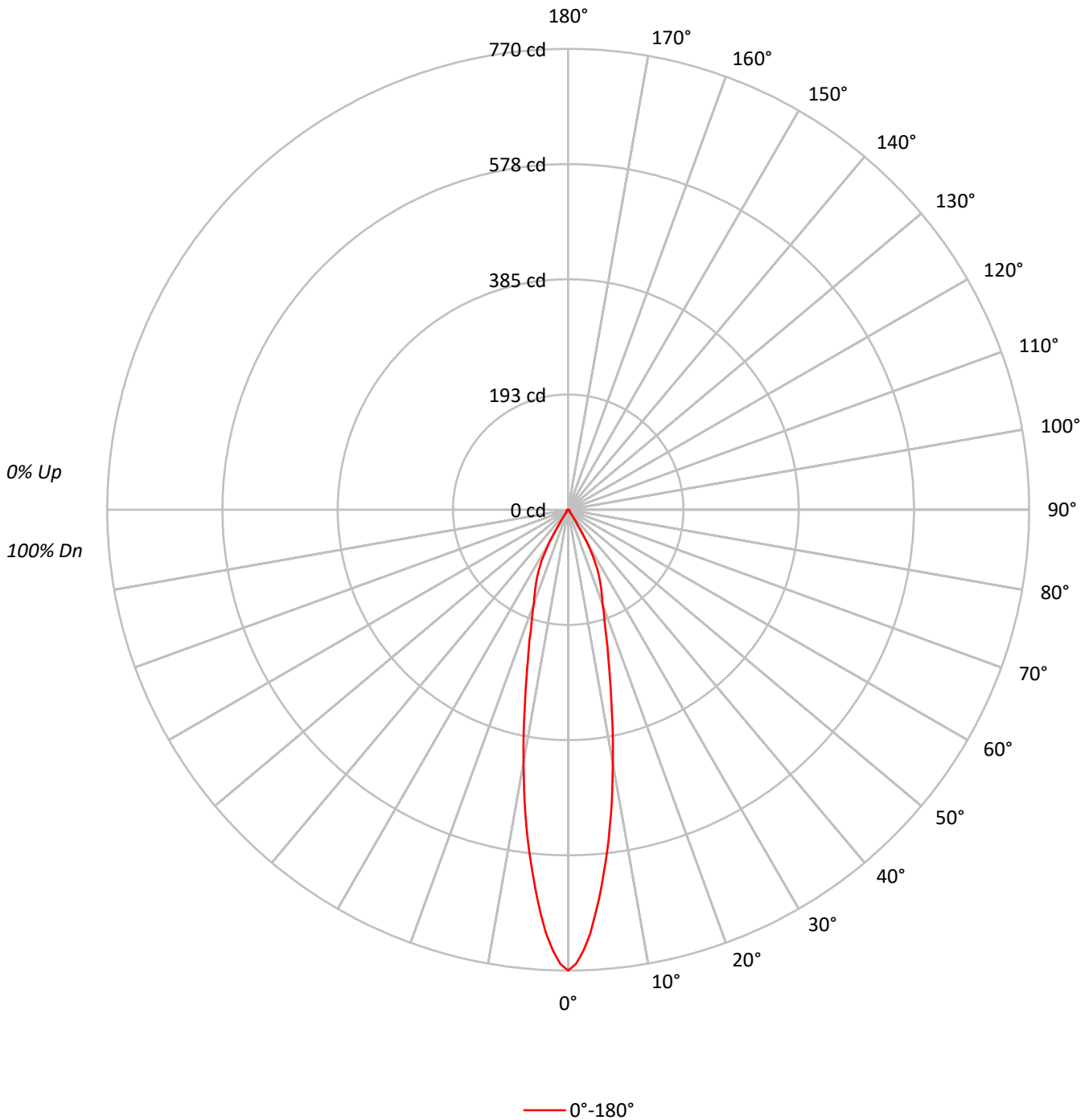
Lumens per Lamp: N/A  
Luminaire Lumens: 198.7 lumens  
Efficiency: N/A  
Efficacy: 86.4 lumens/watt  
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.43  
Luminous Opening: Circular (Dia: 0.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 2.3  
Input Voltage (V): NR  
Input Current (Ain): 0.48607  
Voltage Rise (V): NR  
Power Factor: 1  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): DC  
Stabilization Time: NR  
Operation Time: 1 HR  
Ambient Temperature (°C): NR  
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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	94	96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87
4	102	96	91	88	100	95	91	87	93	89	86	91	88	85	89	87	85	83
5	98	92	87	83	97	91	86	83	89	85	82	88	84	82	86	83	81	80
6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77
7	92	84	80	76	90	84	79	76	83	79	76	81	78	75	80	77	75	74
8	89	81	76	73	88	81	76	73	80	76	73	79	75	72	78	75	72	71
9	86	78	73	70	85	78	73	70	77	73	70	76	72	70	75	72	70	69
10	83	75	71	68	82	75	71	68	74	70	68	74	70	67	73	70	67	66

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

	0°
0°	75043
5°	62024
10°	42553
15°	26233
20°	17424
25°	13119
30°	6977
35°	833
40°	509
45°	413
50°	455
55°	340
60°	390
65°	231
70°	285
75°	377
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.9	27.1
10°-20°	73.8	37.1
20°-30°	53.7	27.0
30°-40°	10.7	5.4
40°-50°	2.4	1.2
50°-60°	1.9	1.0
60°-70°	1.4	0.7
70°-80°	0.9	0.5
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°-30°	181.4	91.3
0°-40°	192.1	96.7
0°-60°	196.4	98.9
0°-90°	198.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	198.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	770	
5°	634	54
15°	260	74
25°	122	54
35°	7	11
45°	3	2
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	770
1°	759
2°	737
3°	708
4°	672
5°	634
6°	594
7°	554
8°	513
9°	471
10°	430
11°	390
12°	353
13°	318
14°	287
15°	260
17.5°	205
20°	168
22.5°	144
25°	122
27.5°	95
30°	62
32.5°	27
35°	7
37.5°	5
40°	4
42.5°	3
45°	3
47.5°	3
50°	3
52.5°	2
55°	2
57.5°	2
60°	2
62.5°	2
65°	1
67.5°	1
70°	1
72.5°	1
75°	1
77.5°	1
80°	0
82.5°	0
85°	0
87.5°	0



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)