

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:

Luminaire Tested:

Issue Date: 03/03/2020



**Test Information**

Test Method: LM-79-08  
Report Number:  
Test Lab:  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SURE-LITES  
Catalog Number:  
Description:  
Light Source: 4446  
37046  
Ballast/Driver: -

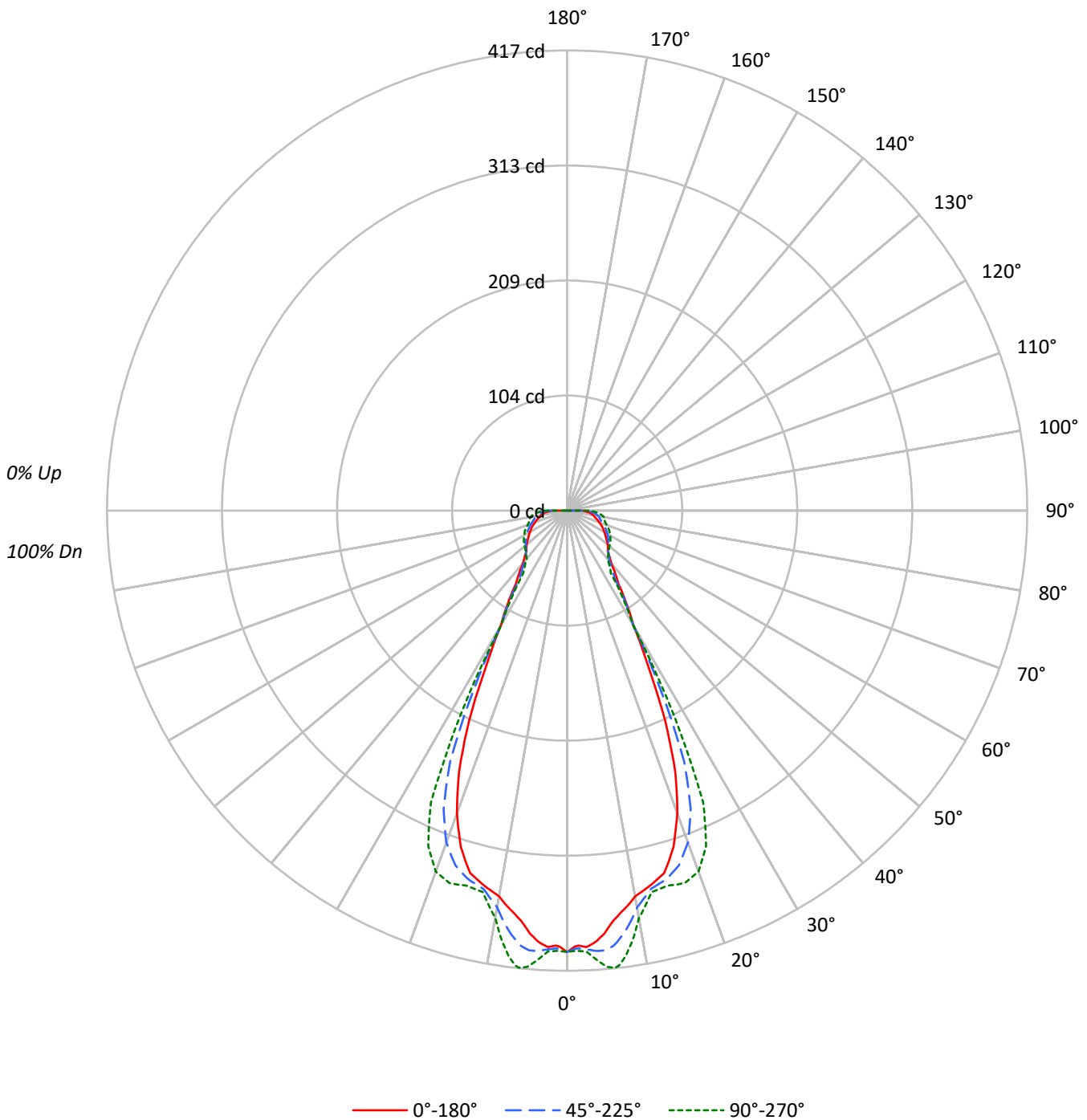
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 471.2 lumens  
Efficiency: N/A  
Efficacy: 18.8 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.96 / 0.78  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

Input Watts (W): 25  
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: 25 FT

TEST NUMBER:  
CATALOG NUMBER:

### 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	50	30	10				
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84	84	84	84			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73	73	73	73			
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64	64	64	64			
4	87	76	69	63	85	75	68	62	73	66	61	71	65	61	68	64	60	58	58	58	58			
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53	53	53	53			
6	77	65	57	52	75	64	57	51	63	56	51	61	55	51	59	54	50	48	48	48	48			
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45	45	45	45			
8	69	57	49	44	67	56	49	44	55	48	44	54	48	44	53	47	43	42	42	42	42			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39	39	39	39			
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37	37	37	37			

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

	0°	45°	90°
0°	Luminaire represents a point source (luminous area is zero).		
5°	No luminance values can be calculated.		
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.0	7.9
10°-20°	97.0	20.6
20°-30°	106.9	22.7
30°-40°	51.1	10.8
40°-50°	41.2	8.8
50°-60°	40.8	8.7
60°-70°	38.1	8.1
70°-80°	33.2	7.0
80°-90°	25.9	5.5
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°	241.0	51.1
0°-40°	292.0	62.0
0°-60°	374.1	79.4
0°-90°	471.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	471.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	400	400	400	400	400	
5°	385	392	400	408	415	36
15°	340	343	346	349	352	93
25°	210	230	251	272	292	94
35°	81	78	75	72	69	53
45°	52	52	52	53	53	41
55°	43	44	46	47	48	39
65°	35	37	38	40	42	35
75°	27	29	31	33	35	29
85°	20	22	24	27	29	21
90°	13	15	17	19	21	



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**CANDELA DISTRIBUTION (FULL):**

	0°	90°
0°	400	400
1.25°	394	399
2.5°	396	400
3.75°	392	408
5°	385	415
6.25°	375	417
7.5°	368	407
8.75°	362	393
10°	355	375
12.5°	348	354
15°	340	352
17.5°	320	354
20°	292	348
22.5°	256	329
25°	210	292
27.5°	159	211
30°	120	119
35°	81	69
40°	62	57
45°	52	53
50°	48	50
55°	43	48
60°	39	45
65°	35	42
70°	31	38
75°	27	35
80°	24	34
85°	20	29
90°	13	21

(END OF REPORT)