

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: SURE-LITES

Report Number: SEL70SD

Luminaire Tested: **SEL70SD**

Test Date: 2025-09-30



Test Information

Test Method: LM-41-14
Report Number: SEL70SD
Test Lab: Cooper Lighting Solutions
Test Date: 2025-09-30
Issue Date: 9/30/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SURE-LITES
Catalog Number: SEL70SD
Description: LED EM 70FT LFP SD SINGLE HEAD.
Light Source:
Ballast/Driver:

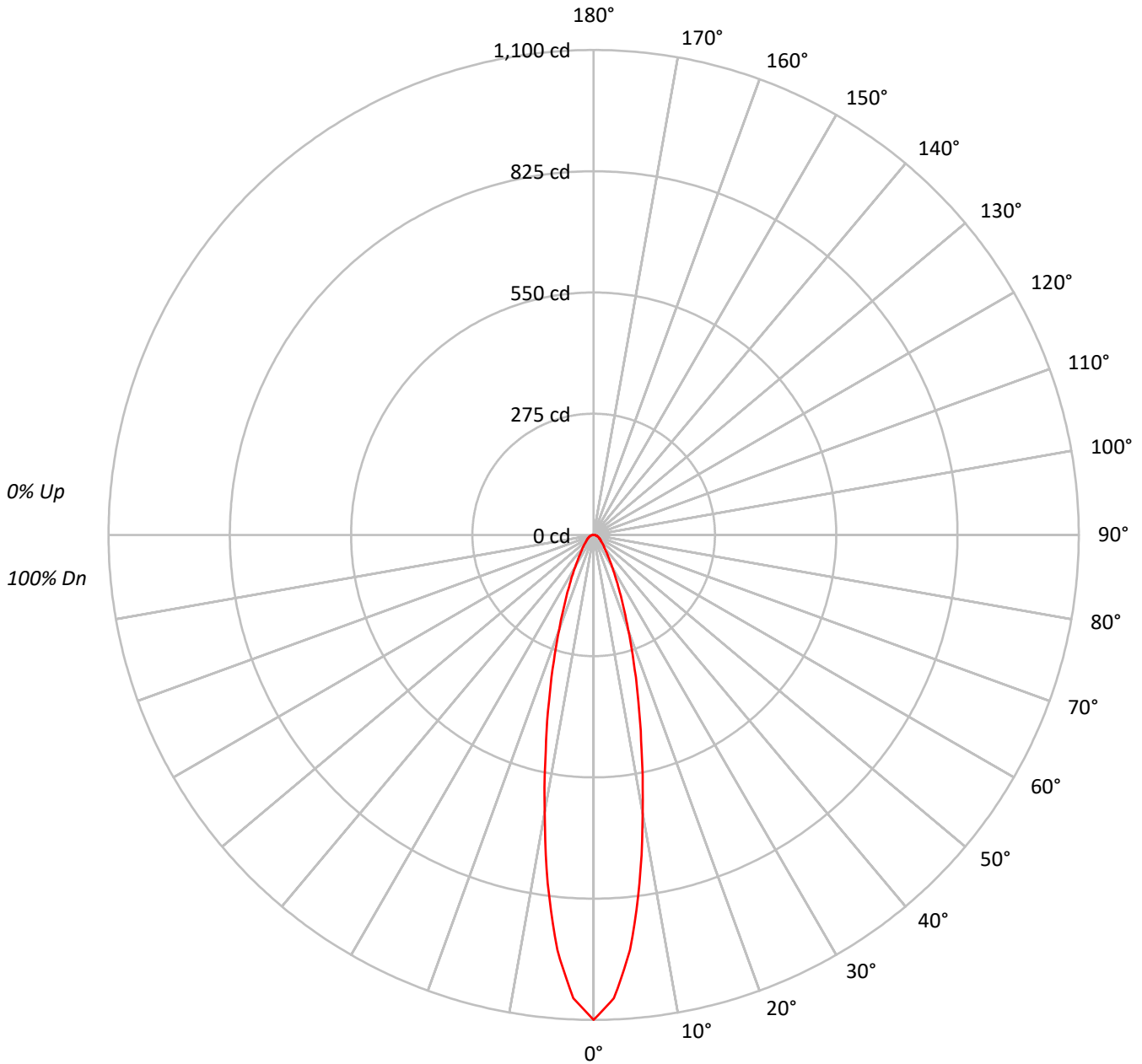
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 348.4 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.43
Luminous Opening: Rectangular (W 0.15' x L: 0.15' x H: 0')
CIE Type: Direct

Input Watts (W): 2.38
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): 24.0
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	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	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	88	86			
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75			
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71			
6	89	80	75	70	87	80	74	70	78	73	70	77	72	69	75	72	69	67			
7	85	76	71	67	84	76	70	67	75	70	66	73	69	66	72	68	65	64			
8	82	73	67	63	81	72	67	63	71	67	63	70	66	63	69	65	63	61			
9	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60	59			
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	64	60	58	56			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	553573
5°	477386
10°	326536
15°	203711
20°	122104
25°	74962
30°	48231
35°	33175
40°	24964
45°	20639
50°	17224
55°	15793
60°	15097
65°	14289
70°	13243
75°	13611
80°	11592
85°	5774



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.3	23.0
10°-20°	109.3	31.4
20°-30°	64.2	18.4
30°-40°	35.0	10.1
40°-50°	22.7	6.5
50°-60°	16.2	4.6
60°-70°	11.9	3.4
70°-80°	7.0	2.0
80°-90°	1.9	0.5
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°	253.8	72.8
0°-40°	288.8	82.9
0°-60°	327.7	94.0
0°-90°	348.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	348.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1100	
5°	945	80
15°	391	109
25°	135	64
35°	54	35
45°	29	23
55°	18	16
65°	12	12
75°	7	7
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1100
2.5°	1052
5°	945
7.5°	797
10°	639
12.5°	501
15°	391
17.5°	300
20°	228
22.5°	175
25°	135
27.5°	106
30°	83
32.5°	67
35°	54
37.5°	45
40°	38
42.5°	34
45°	29
47.5°	25
50°	22
52.5°	20
55°	18
57.5°	16
60°	15
62.5°	13
65°	12
67.5°	11
70°	9
72.5°	8
75°	7
77.5°	5
80°	4
82.5°	3
85°	1
87.5°	1
90°	0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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