

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: SEL70BKSD

Luminaire Tested: **SEL70BKSD**

Test Date: 2025-10-16

Test Information

Test Method: LM-41-14
Report Number: SEL70BKSD
Test Lab: Cooper Lighting Solutions
Test Date: 2025-10-16
Issue Date: 10/16/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SURE-LITES
Catalog Number: SEL70BKSD
Description: LED EM 70FT LFP SD BLACK SINGLE HEAD.
Light Source:
Ballast/Driver:

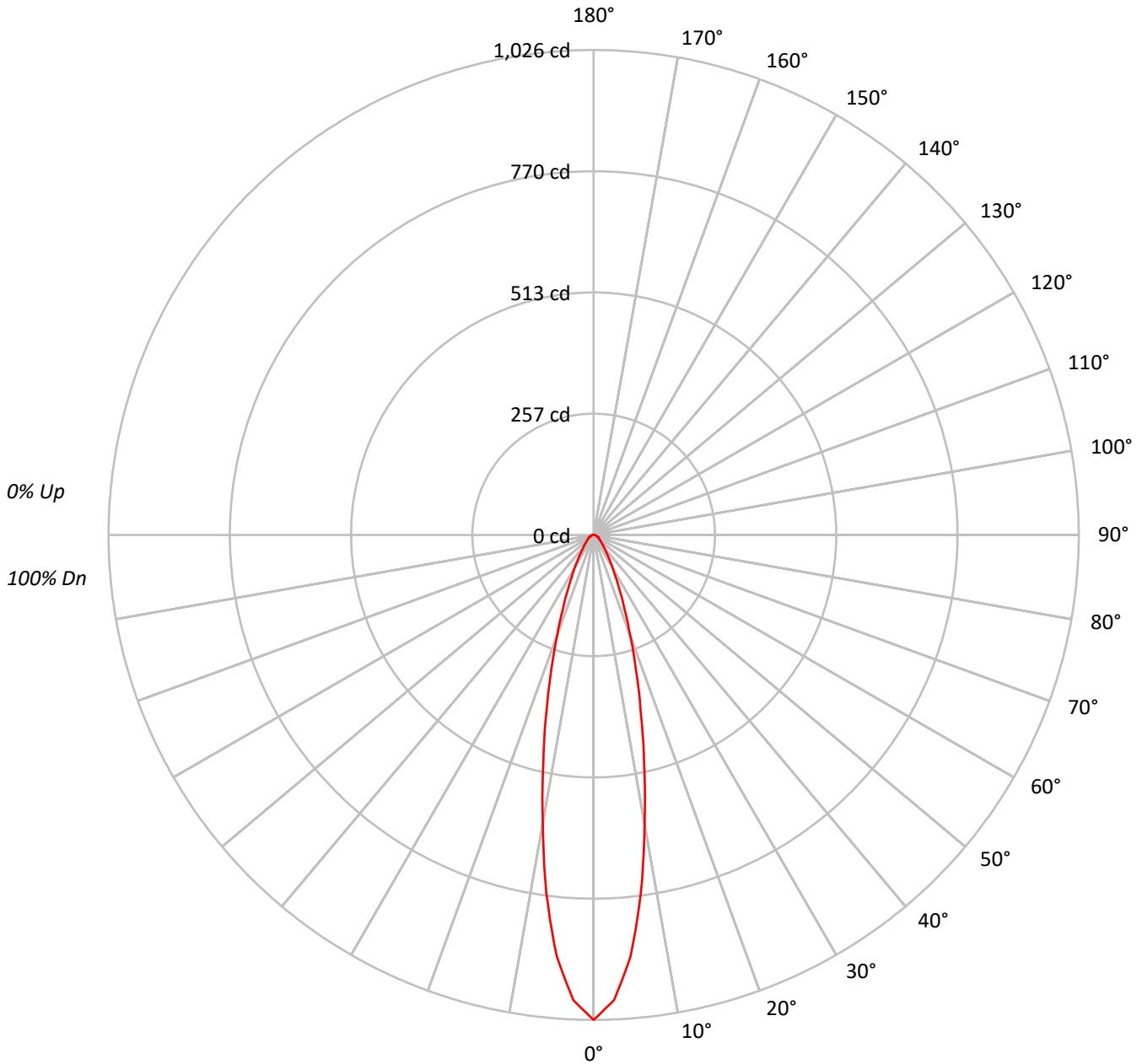
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 326.1 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.45
Luminous Opening: Circular (Dia: 0.15' x H: 0')
CIE Type: Direct

Input Watts (W): 2.4
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): 24.5
Test Distance: 25 FT

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Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
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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	111	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	98	94	98	95	92	95	93	90	92	90	88	87			
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81			
4	98	91	85	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77			
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73			
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69			
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66			
8	83	74	69	65	82	74	69	65	73	68	65	72	68	64	71	67	64	63			
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	62	60			
10	77	68	63	60	76	68	63	60	67	63	60	67	62	59	66	62	59	58			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	653677
5°	572393
10°	401103
15°	253281
20°	151872
25°	92793
30°	58118
35°	38888
40°	27446
45°	21624
50°	17841
55°	15551
60°	15291
65°	13568
70°	13040
75°	12308
80°	11007
85°	7310



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.5	23.5
10°-20°	107.3	32.9
20°-30°	62.3	19.1
30°-40°	32.1	9.8
40°-50°	19.1	5.9
50°-60°	13.0	4.0
60°-70°	9.3	2.8
70°-80°	5.3	1.6
80°-90°	1.2	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
0°-30°	246.1	75.5
0°-40°	278.2	85.3
0°-60°	310.3	95.2
0°-90°	326.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	326.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1026	
5°	895	77
15°	384	107
25°	132	62
35°	50	32
45°	24	19
55°	14	13
65°	9	9
75°	5	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1026
2.5°	985
5°	895
7.5°	765
10°	620
12.5°	492
15°	384
17.5°	296
20°	224
22.5°	171
25°	132
27.5°	101
30°	79
32.5°	62
35°	50
37.5°	40
40°	33
42.5°	29
45°	24
47.5°	21
50°	18
52.5°	16
55°	14
57.5°	13
60°	12
62.5°	11
65°	9
67.5°	8
70°	7
72.5°	6
75°	5
77.5°	4
80°	3
82.5°	2
85°	1
87.5°	0
90°	0

Classified
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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)