

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: FAIL-SAFE

Report Number: P395179

Luminaire Tested: **2FSN6-SL1-CP125-L8SCT3-4000K-LO**

Issue Date: 5/5/2020

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Test Information

Test Method: LM-79-08
Report Number: P395179
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1901-099-13)
Test Lab: INNOVATIONS CENTER(G2)
Issue Date: 5/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 2FSN6-SL1-CP125-L8SCT3-4000K-LO
Description: 2FT FSN LINEAR LED FIXTURE WITH LOW LUMEN SETTING, 4000K LEDS AND CP125 LENS CONFIGURATION

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1166.0 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.5' x L: 2' x H: 0')
CIE Type: Direct

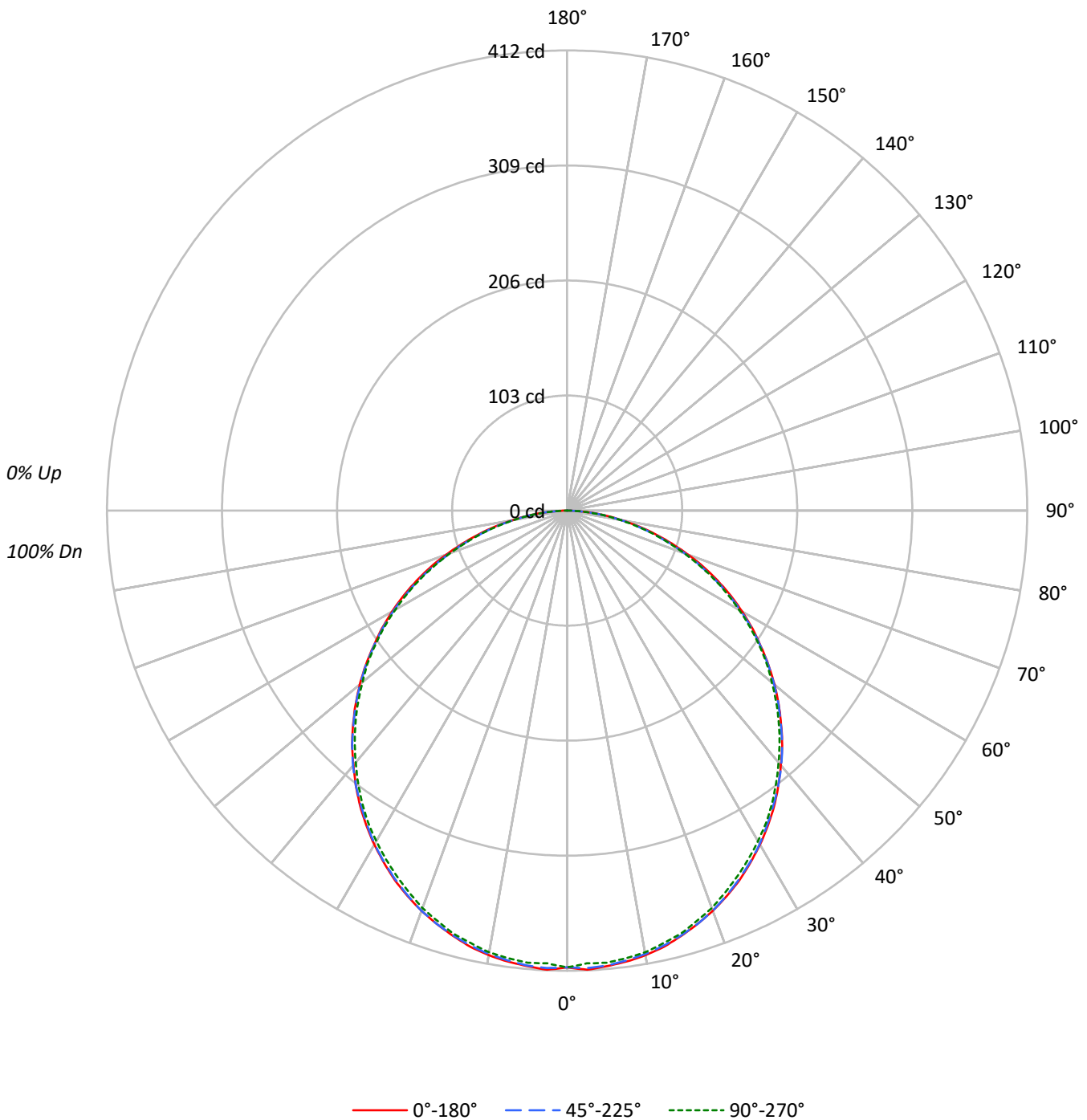
Input Watts (W): 10.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	58	53	62	56	52	50					50			
5	76	63	53	47	73	61	53	47	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4401	4401	4401
5°	4424	4418	4390
10°	4418	4407	4389
15°	4394	4388	4372
20°	4368	4368	4338
25°	4337	4325	4287
30°	4293	4287	4248
35°	4246	4231	4204
40°	4182	4189	4138
45°	4125	4118	4078
50°	4059	4051	4007
55°	3973	3963	3935
60°	3897	3864	3830
65°	3790	3724	3696
70°	3619	3522	3503
75°	3398	3290	3269
80°	3093	3031	2969
85°	2705	2569	2507



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.7	3.3
10°-20°	110.7	9.5
20°-30°	167.1	14.3
30°-40°	200.6	17.2
40°-50°	207.8	17.8
50°-60°	188.3	16.1
60°-70°	144.5	12.4
70°-80°	84.2	7.2
80°-90°	24.0	2.1
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°	316.5	27.1
0°-40°	517.2	44.4
0°-60°	913.2	78.3
0°-90°	1166.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1166.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	409	409	409	409	409	
5°	409	406	409	406	406	39
15°	394	391	394	392	392	111
25°	365	362	364	360	361	168
35°	323	321	322	318	320	202
45°	271	270	270	267	268	209
55°	212	212	211	208	210	190
65°	149	147	146	145	145	147
75°	82	81	79	78	79	87
85°	22	22	21	20	20	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	408.9	408.9	408.9	408.9	408.9
2.5°	411.5	407.9	410.0	407.9	405.8
5°	409.4	406.3	408.9	406.3	406.3
7.5°	407.3	404.2	406.3	403.7	404.2
10°	404.2	401.1	403.2	401.1	401.6
12.5°	400.1	396.4	399.0	396.9	396.9
15°	394.3	391.2	393.8	391.7	392.3
17.5°	388.1	385.0	388.1	385.5	385.5
20°	381.3	378.2	381.3	378.2	378.7
22.5°	373.5	370.9	373.0	369.4	369.9
25°	365.2	362.1	364.2	360.5	361.0
27.5°	355.3	352.7	354.8	351.2	351.7
30°	345.4	342.8	344.9	340.8	341.8
32.5°	334.5	331.9	333.5	330.4	331.4
35°	323.1	321.0	322.0	318.4	319.9
37.5°	310.6	309.0	310.6	306.4	307.5
40°	297.6	296.5	298.1	293.9	294.5
42.5°	285.1	283.5	285.1	280.9	281.5
45°	271.0	270.5	270.5	266.9	267.9
47.5°	257.0	256.5	256.5	252.8	253.9
50°	242.4	242.4	241.9	238.3	239.3
52.5°	227.3	227.3	226.8	223.7	225.3
55°	211.7	212.3	211.2	208.1	209.7
57.5°	196.7	196.7	195.6	193.0	194.1
60°	181.0	180.5	179.5	176.9	177.9
62.5°	165.4	164.4	162.8	160.8	161.8
65°	148.8	147.2	146.2	144.6	145.1
67.5°	132.7	130.6	129.0	126.9	128.0
70°	115.0	113.4	111.9	110.3	111.3
72.5°	98.3	96.8	95.2	94.2	94.7
75°	81.7	80.6	79.1	78.0	78.6
77.5°	66.1	64.5	64.0	62.4	62.9
80°	49.9	49.4	48.9	47.3	47.9
82.5°	35.4	35.4	34.3	33.3	33.8
85°	21.9	21.9	20.8	19.8	20.3
87.5°	9.4	8.8	8.8	8.3	8.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)