

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: P395182

Luminaire Tested: **2FSN6-SL1-CP187-L8SCT3-3000K-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: P395182  
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-CP187-L8SCT3-3000K-LO  
Description: 2FT FSN LINEAR LED FIXTURE WITH LOW LUMEN SETTING, 3000K LEDS AND CP187 LENS CONFIGURATION

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1107.0 lumens  
Efficiency: N/A  
Efficacy: 101.6 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

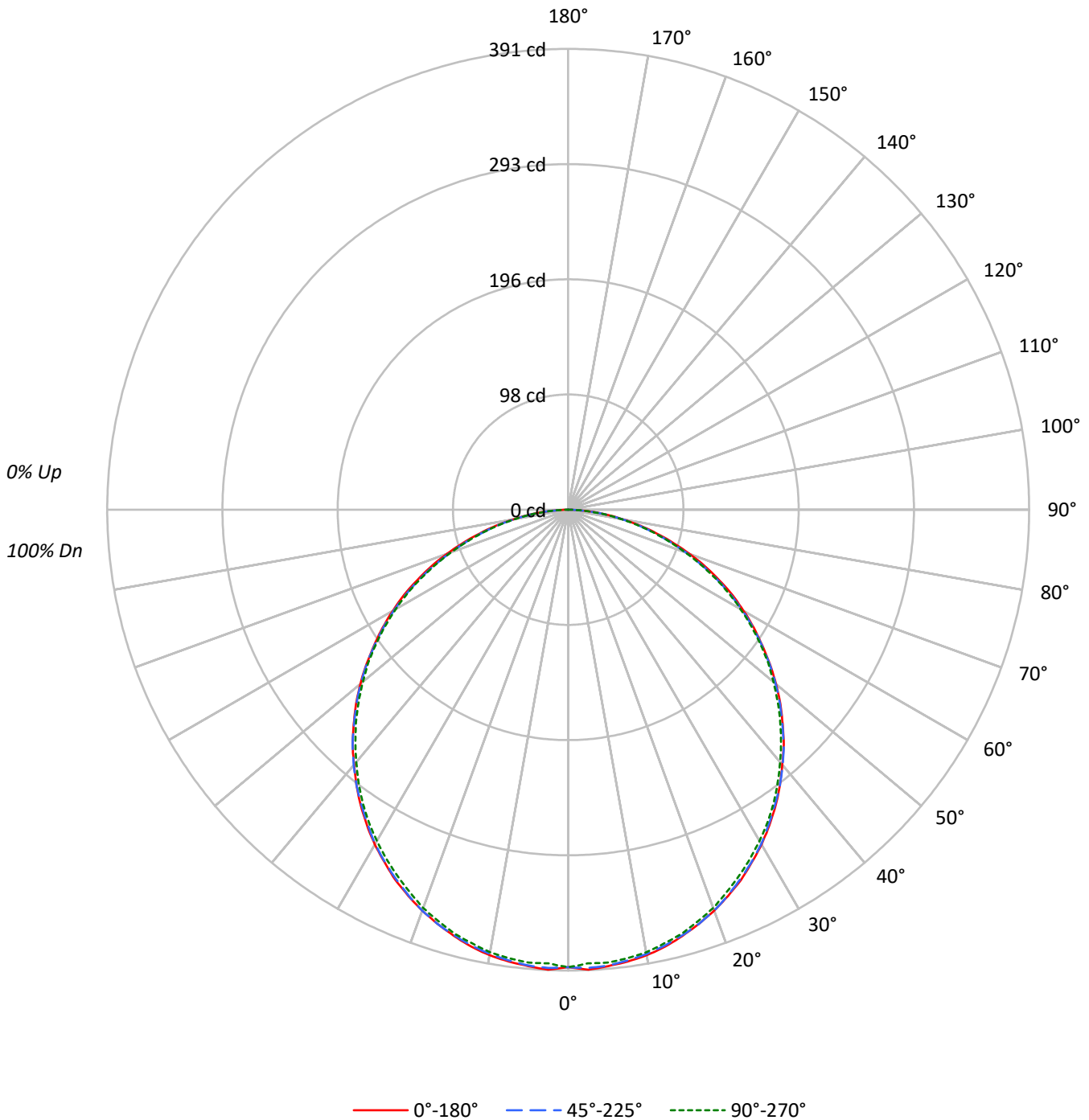
Input Watts (W): 10.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°	45°	90°
0°	4179	4179	4179
5°	4200	4195	4168
10°	4195	4184	4168
15°	4172	4167	4150
20°	4147	4147	4119
25°	4118	4106	4071
30°	4077	4071	4033
35°	4030	4017	3992
40°	3969	3977	3929
45°	3917	3909	3873
50°	3855	3846	3805
55°	3772	3763	3734
60°	3701	3668	3636
65°	3599	3535	3510
70°	3437	3342	3327
75°	3223	3123	3103
80°	2938	2876	2814
85°	2556	2445	2384



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.7	3.3
10°-20°	105.1	9.5
20°-30°	158.6	14.3
30°-40°	190.5	17.2
40°-50°	197.3	17.8
50°-60°	178.7	16.1
60°-70°	137.2	12.4
70°-80°	80.0	7.2
80°-90°	22.8	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°	300.5	27.1
0°-40°	491.0	44.4
0°-60°	867.0	78.3
0°-90°	1107.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1107.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	388	388	388	388	388	
5°	389	386	388	386	386	37
15°	374	371	374	372	372	106
25°	347	344	346	342	343	160
35°	307	305	306	302	304	192
45°	257	257	257	253	254	199
55°	201	202	200	198	199	180
65°	141	140	139	137	138	140
75°	78	77	75	74	75	82
85°	21	21	20	19	19	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	388.2	388.2	388.2	388.2	388.2
2.5°	390.7	387.2	389.2	387.2	385.3
5°	388.7	385.7	388.2	385.7	385.7
7.5°	386.7	383.8	385.7	383.3	383.8
10°	383.8	380.8	382.8	380.8	381.3
12.5°	379.8	376.4	378.8	376.9	376.9
15°	374.4	371.4	373.9	371.9	372.4
17.5°	368.5	365.5	368.5	366.0	366.0
20°	362.0	359.1	362.0	359.1	359.6
22.5°	354.6	352.2	354.1	350.7	351.2
25°	346.7	343.8	345.7	342.3	342.8
27.5°	337.3	334.9	336.9	333.4	333.9
30°	328.0	325.5	327.5	323.5	324.5
32.5°	317.6	315.1	316.6	313.6	314.6
35°	306.7	304.7	305.7	302.3	303.8
37.5°	294.9	293.4	294.9	290.9	291.9
40°	282.5	281.5	283.0	279.1	279.6
42.5°	270.7	269.2	270.7	266.7	267.2
45°	257.3	256.8	256.8	253.4	254.4
47.5°	244.0	243.5	243.5	240.0	241.0
50°	230.2	230.2	229.7	226.2	227.2
52.5°	215.8	215.8	215.3	212.4	213.9
55°	201.0	201.5	200.5	197.6	199.0
57.5°	186.7	186.7	185.7	183.2	184.2
60°	171.9	171.4	170.4	167.9	168.9
62.5°	157.1	156.1	154.6	152.6	153.6
65°	141.3	139.8	138.8	137.3	137.8
67.5°	125.9	124.0	122.5	120.5	121.5
70°	109.2	107.7	106.2	104.7	105.7
72.5°	93.4	91.9	90.4	89.4	89.9
75°	77.5	76.6	75.1	74.1	74.6
77.5°	62.7	61.2	60.8	59.3	59.8
80°	47.4	46.9	46.4	44.9	45.4
82.5°	33.6	33.6	32.6	31.6	32.1
85°	20.7	20.7	19.8	18.8	19.3
87.5°	8.9	8.4	8.4	7.9	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)