

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: P395155

Luminaire Tested: **2FSN6-SL1-CA08-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: P395155
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-CA08-L8SCT3-3000K-LO
Description: 2FT FSN LINEAR LED FIXTURE WITH LOW LUMEN SETTING, 3000K LEDS AND CA08 LENS CONFIGURATION

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1150.0 lumens
Efficiency: N/A
Efficacy: 105.5 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

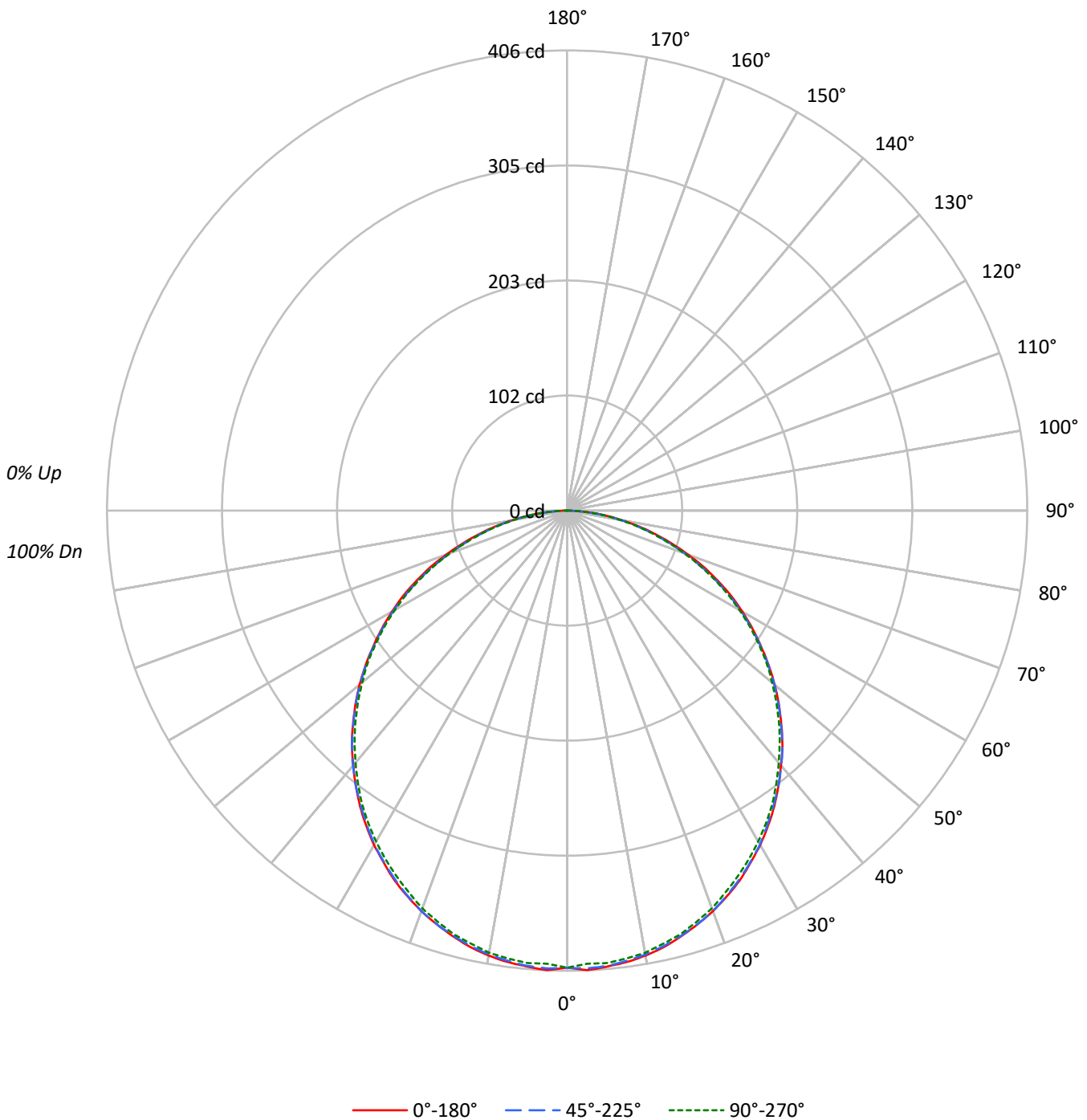
Input Watts (W): 10.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4341	4341	4341
5°	4363	4358	4330
10°	4358	4347	4329
15°	4334	4328	4311
20°	4308	4308	4278
25°	4278	4266	4229
30°	4235	4228	4190
35°	4187	4173	4147
40°	4124	4131	4080
45°	4069	4061	4022
50°	4004	3996	3952
55°	3918	3909	3881
60°	3845	3810	3778
65°	3736	3673	3647
70°	3569	3471	3456
75°	3352	3244	3223
80°	3056	2988	2926
85°	2668	2532	2470



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	3.3
10°-20°	109.2	9.5
20°-30°	164.8	14.3
30°-40°	197.9	17.2
40°-50°	205.0	17.8
50°-60°	185.7	16.1
60°-70°	142.5	12.4
70°-80°	83.1	7.2
80°-90°	23.7	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°	312.2	27.1
0°-40°	510.1	44.4
0°-60°	900.7	78.3
0°-90°	1150.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1150.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	403	403	403	403	403	
5°	404	401	403	401	401	38
15°	389	386	388	386	387	110
25°	360	357	359	356	356	166
35°	319	317	318	314	316	199
45°	267	267	267	263	264	206
55°	209	209	208	205	207	187
65°	147	145	144	143	143	145
75°	81	80	78	77	78	85
85°	22	22	20	20	20	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	403.3	403.3	403.3	403.3	403.3
2.5°	405.9	402.3	404.3	402.3	400.2
5°	403.8	400.7	403.3	400.7	400.7
7.5°	401.8	398.7	400.7	398.2	398.7
10°	398.7	395.6	397.7	395.6	396.1
12.5°	394.6	391.0	393.5	391.5	391.5
15°	388.9	385.9	388.4	386.4	386.9
17.5°	382.8	379.7	382.8	380.2	380.2
20°	376.1	373.0	376.1	373.0	373.5
22.5°	368.4	365.8	367.9	364.3	364.8
25°	360.2	357.1	359.2	355.6	356.1
27.5°	350.4	347.9	349.9	346.3	346.9
30°	340.7	338.1	340.2	336.1	337.1
32.5°	329.9	327.4	328.9	325.8	326.8
35°	318.6	316.6	317.6	314.0	315.6
37.5°	306.3	304.8	306.3	302.2	303.2
40°	293.5	292.5	294.0	289.9	290.4
42.5°	281.2	279.6	281.2	277.1	277.6
45°	267.3	266.8	266.8	263.2	264.2
47.5°	253.5	253.0	253.0	249.4	250.4
50°	239.1	239.1	238.6	235.0	236.0
52.5°	224.2	224.2	223.7	220.6	222.2
55°	208.8	209.3	208.3	205.2	206.8
57.5°	194.0	194.0	192.9	190.4	191.4
60°	178.6	178.0	177.0	174.5	175.5
62.5°	163.2	162.1	160.6	158.5	159.6
65°	146.7	145.2	144.2	142.6	143.2
67.5°	130.8	128.8	127.2	125.2	126.2
70°	113.4	111.9	110.3	108.8	109.8
72.5°	97.0	95.4	93.9	92.9	93.4
75°	80.6	79.5	78.0	77.0	77.5
77.5°	65.2	63.6	63.1	61.6	62.1
80°	49.3	48.7	48.2	46.7	47.2
82.5°	34.9	34.9	33.9	32.8	33.4
85°	21.6	21.6	20.5	19.5	20.0
87.5°	9.2	8.7	8.7	8.2	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)