

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: P302480

Luminaire Tested: **FSP-14-26-35-CP250**

Issue Date: 3/3/2020

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: P302480  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-6)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FSP-14-26-35-CP250  
Description: 1x4 Fail Safe Flat Panel Clear Polycarbonate Lens .25"  
Light Source: (154) 3500 CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER  
Luminaire Equipment: 

<u>Sample No.</u>	<u>Condition</u>	<u>Description</u>
AS-5443-1	Good	WHITE TWIN R-EVOLVE FLOOD
AS-5443-2	Good	REFLECTOR
AS-5443-3	Good	DRIVER
AS-5443-4	Good	UPPER MODULE
AS-5443-5	Good	LENS
AS-5443-6	Good	DRIVER 2
AS-5443-7	Good	TRIM RING

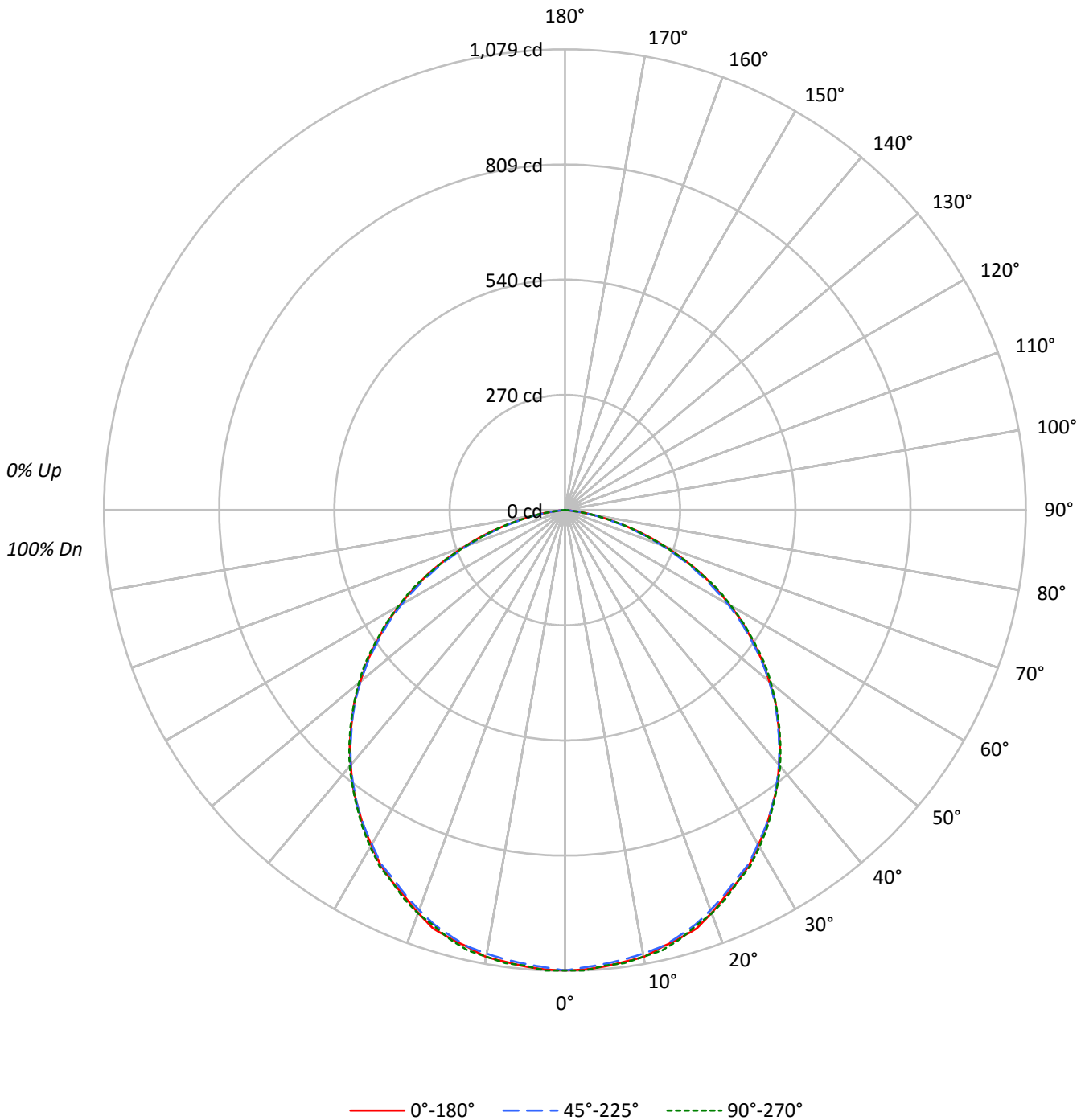
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2918.0 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 25.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



TEST NUMBER: P302480  
CATALOG NUMBER: FSP-14-26-35-CP250

### Luminous Intensity Polar Plot





TEST NUMBER: P302480

CATALOG NUMBER: FSP-14-26-35-CP250

**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	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	35	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

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

	0°	45°	90°
0°	2901	2901	2901
5°	2898	2882	2893
10°	2904	2881	2901
15°	2892	2878	2898
20°	2876	2855	2879
25°	2848	2826	2848
30°	2814	2808	2830
35°	2780	2780	2787
40°	2739	2739	2753
45°	2686	2682	2697
50°	2615	2615	2637
55°	2522	2502	2541
60°	2407	2374	2418
65°	2240	2175	2234
70°	1969	1905	1953
75°	1589	1525	1589
80°	1097	1065	1097
85°	475	475	475



TEST NUMBER: P302480

CATALOG NUMBER: FSP-14-26-35-CP250

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.9	3.5
10°-20°	292.1	10.0
20°-30°	441.1	15.1
30°-40°	529.6	18.1
40°-50°	544.6	18.7
50°-60°	480.5	16.5
60°-70°	342.0	11.7
70°-80°	161.4	5.5
80°-90°	24.8	0.9
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°	835.1	28.6
0°-40°	1364.7	46.8
0°-60°	2389.7	81.9
0°-90°	2918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2918.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1078	1078	1078	1078	1078	
5°	1073	1072	1067	1075	1071	102
15°	1038	1034	1033	1037	1040	293
25°	959	953	952	958	959	442
35°	846	842	846	850	848	530
45°	706	704	705	710	709	545
55°	538	538	533	540	542	481
65°	352	347	342	347	351	346
75°	153	152	147	150	153	165
85°	15	16	15	15	15	26
90°	0	0	0	0	0	



TEST NUMBER: P302480

CATALOG NUMBER: FSP-14-26-35-CP250

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1078.1	1078.1	1078.1	1078.1	1078.1
2.5°	1077.0	1075.0	1071.9	1076.0	1079.1
5°	1072.9	1071.9	1066.8	1075.0	1070.9
7.5°	1066.8	1068.8	1061.7	1066.8	1069.9
10°	1062.7	1056.5	1054.5	1058.6	1061.7
12.5°	1048.3	1048.3	1047.3	1048.3	1055.5
15°	1038.1	1034.0	1032.9	1037.0	1040.1
17.5°	1026.8	1018.6	1017.5	1020.6	1020.6
20°	1004.2	997.0	997.0	1002.2	1005.2
22.5°	979.6	978.6	975.5	984.7	984.7
25°	959.1	952.9	951.9	958.1	959.1
27.5°	935.5	930.4	933.4	933.4	939.6
30°	905.7	903.7	903.7	908.8	910.9
32.5°	877.0	875.0	876.0	879.1	881.1
35°	846.2	842.1	846.2	850.4	848.3
37.5°	815.5	813.4	813.4	816.5	816.5
40°	779.6	776.5	779.6	784.7	783.7
42.5°	745.7	741.6	742.6	747.8	746.7
45°	705.7	703.7	704.7	709.8	708.8
47.5°	668.8	665.7	666.7	666.7	668.8
50°	624.7	624.7	624.7	627.8	629.8
52.5°	582.6	581.6	580.6	585.7	588.8
55°	537.5	538.5	533.4	539.5	541.6
57.5°	493.4	493.4	489.3	492.4	497.5
60°	447.2	444.2	441.1	445.2	449.3
62.5°	398.0	395.9	390.8	393.9	405.2
65°	351.8	346.7	341.6	346.7	350.8
67.5°	300.5	296.4	290.3	295.4	300.5
70°	250.3	247.2	242.1	245.2	248.2
72.5°	202.1	196.9	192.8	196.9	199.0
75°	152.8	151.8	146.7	149.8	152.8
77.5°	109.8	107.7	104.6	109.8	109.8
80°	70.8	70.8	68.7	69.8	70.8
82.5°	40.0	38.0	36.9	39.0	38.0
85°	15.4	16.4	15.4	15.4	15.4
87.5°	3.1	2.1	3.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)