

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: P302477

Luminaire Tested: **FSP-14-26-35-CA125**

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: P302477  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-3)  
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-CA125  
Description: 1x4 Fail Safe Flat Panel Clear Acrylic Lens .125"  
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

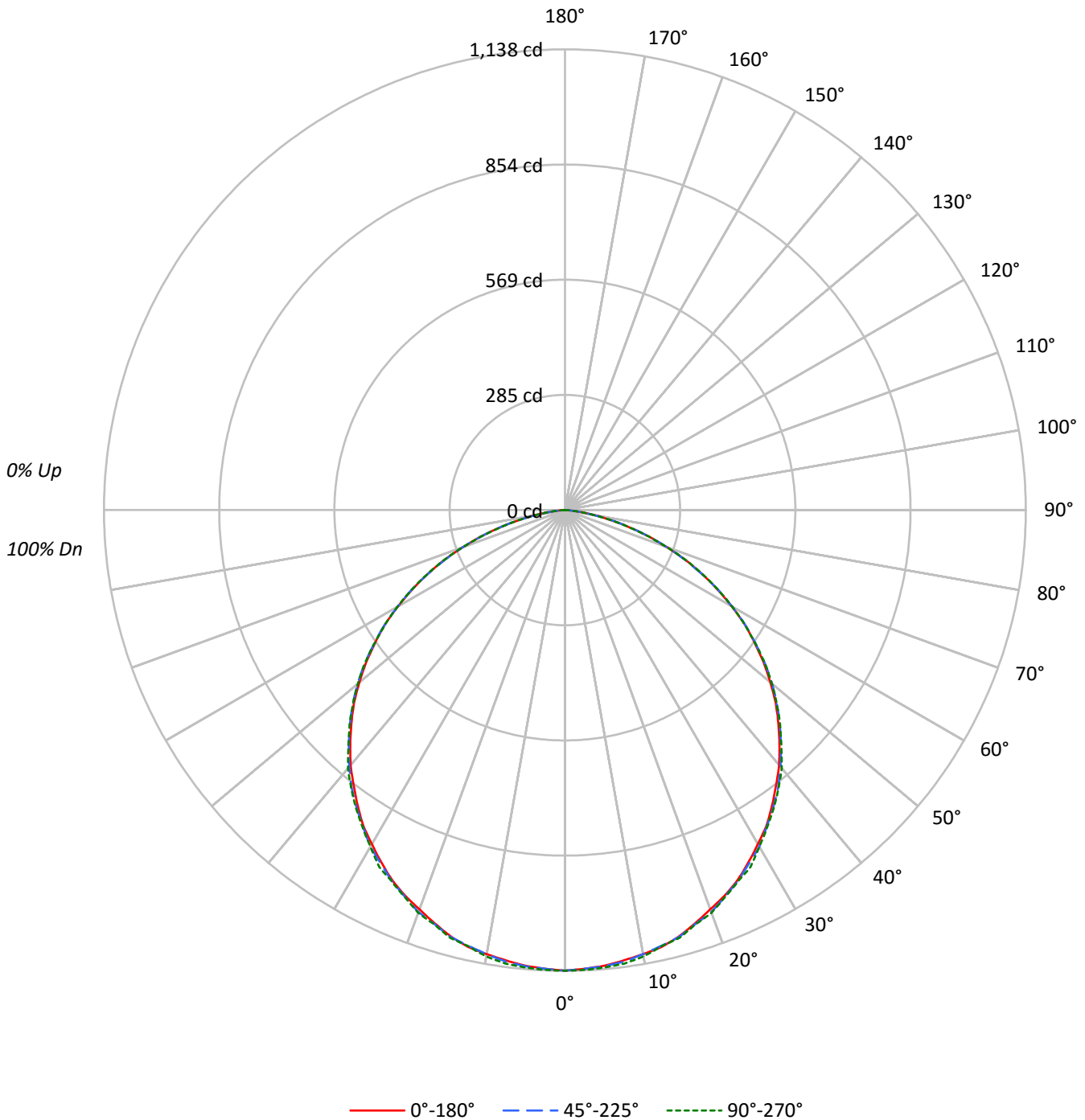
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3109.4 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
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



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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	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	88	79	72	66	76	70	65	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	48	75	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

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

	0°	45°	90°
0°	3062	3062	3062
5°	3051	3054	3062
10°	3042	3042	3059
15°	3037	3039	3048
20°	3005	3025	3031
25°	2995	3001	3004
30°	2961	2983	2983
35°	2930	2947	2953
40°	2890	2908	2926
45°	2837	2857	2861
50°	2773	2798	2794
55°	2683	2698	2692
60°	2559	2564	2569
65°	2380	2374	2387
70°	2102	2110	2110
75°	1722	1732	1711
80°	1227	1196	1196
85°	565	565	534



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.5	3.5
10°-20°	307.7	9.9
20°-30°	465.8	15.0
30°-40°	560.9	18.0
40°-50°	578.5	18.6
50°-60°	513.6	16.5
60°-70°	369.3	11.9
70°-80°	177.7	5.7
80°-90°	28.3	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°	881.0	28.3
0°-40°	1441.9	46.4
0°-60°	2534.0	81.5
0°-90°	3109.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3109.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1138	1138	1138	1138	1138	
5°	1130	1133	1131	1130	1134	107
15°	1090	1093	1091	1089	1094	307
25°	1009	1012	1011	1012	1012	464
35°	892	894	897	899	899	558
45°	746	751	751	752	752	575
55°	572	578	575	580	574	511
65°	374	374	373	374	375	369
75°	166	168	167	165	165	178
85°	18	18	18	17	17	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1137.7	1137.7	1137.7	1137.7	1137.7
2.5°	1133.7	1137.7	1133.7	1132.7	1136.7
5°	1129.6	1132.7	1130.6	1129.6	1133.7
7.5°	1121.5	1126.6	1124.5	1123.5	1129.6
10°	1113.4	1117.4	1113.4	1116.4	1119.5
12.5°	1105.2	1108.3	1102.2	1106.2	1103.2
15°	1090.0	1093.0	1091.0	1089.0	1094.1
17.5°	1069.7	1074.8	1071.7	1074.8	1072.7
20°	1049.4	1053.4	1056.5	1054.4	1058.5
22.5°	1031.1	1033.1	1033.1	1035.1	1034.1
25°	1008.7	1011.8	1010.8	1011.8	1011.8
27.5°	981.3	983.3	984.3	986.4	993.5
30°	952.9	956.9	960.0	961.0	960.0
32.5°	925.4	927.5	927.5	931.5	929.5
35°	891.9	893.9	897.0	899.0	899.0
37.5°	856.4	859.4	864.5	866.5	866.5
40°	822.8	825.9	827.9	835.0	833.0
42.5°	784.2	790.3	789.3	790.3	791.3
45°	745.6	750.7	750.7	751.7	751.7
47.5°	706.0	710.1	710.1	710.1	710.1
50°	662.3	664.4	668.4	665.4	667.4
52.5°	618.6	622.7	622.7	620.7	622.7
55°	571.9	578.0	575.0	580.0	573.9
57.5°	527.2	528.2	528.2	527.2	526.2
60°	475.4	479.5	476.4	474.4	477.4
62.5°	424.6	426.7	426.7	425.6	426.7
65°	373.8	373.8	372.8	373.8	374.8
67.5°	323.0	323.0	320.0	318.0	324.1
70°	267.2	270.2	268.2	268.2	268.2
72.5°	217.4	215.4	216.4	214.3	215.4
75°	165.6	167.6	166.6	164.6	164.6
77.5°	118.9	121.9	119.9	118.9	119.9
80°	79.2	78.2	77.2	77.2	77.2
82.5°	45.7	43.7	43.7	42.7	42.7
85°	18.3	18.3	18.3	17.3	17.3
87.5°	4.1	4.1	4.1	3.0	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)