

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: P302474

Luminaire Tested: **FSP-14-26-30-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: P302474  
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-14-26-30-CP250  
Description: 1x4 Fail Safe Flat Panel Clear Polycarbonate Lens .25"  
Light Source: (154) 3000 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**

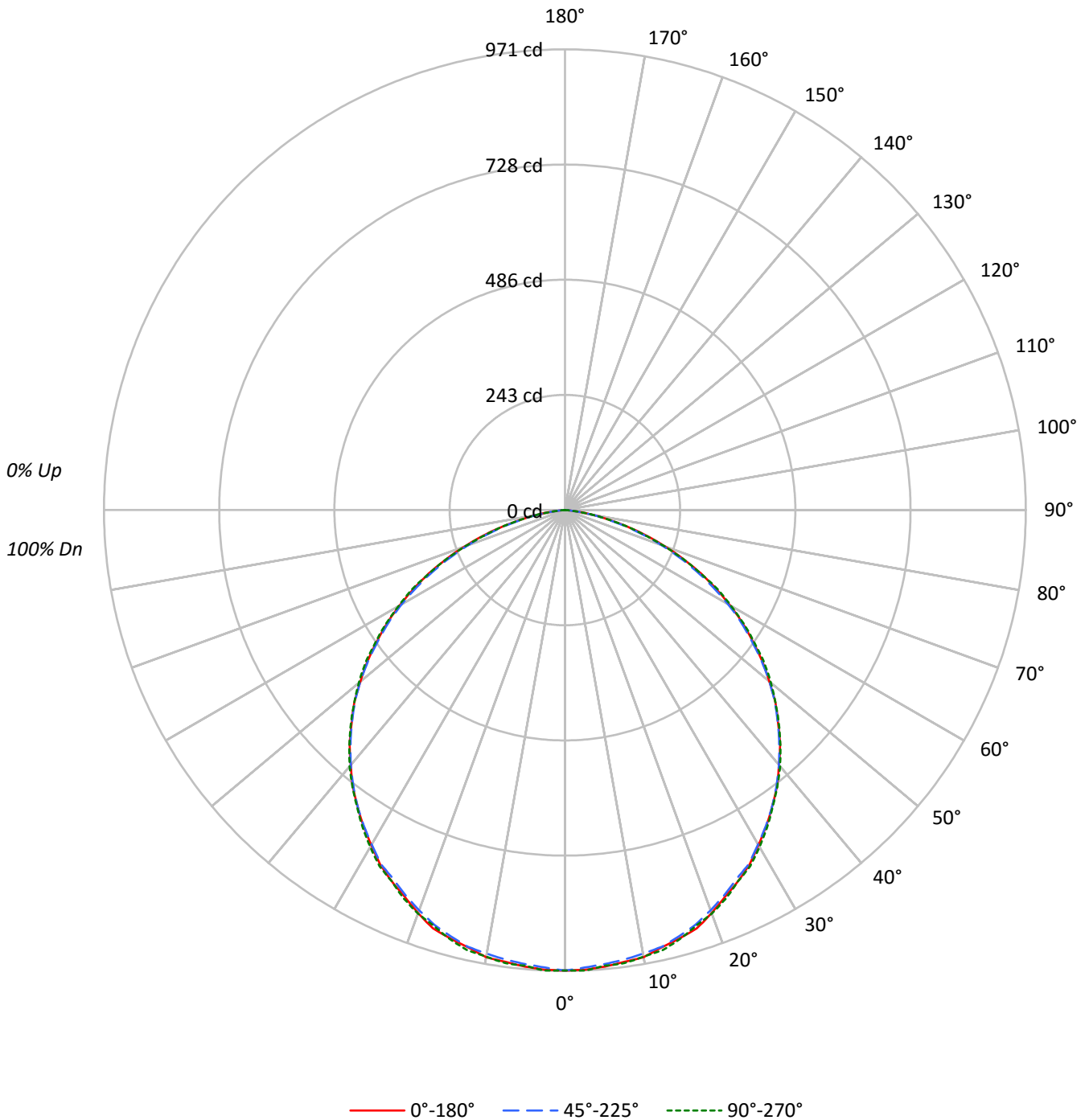
Lumens per Lamp: N/A  
Luminaire Lumens: 2626.6 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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



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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	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°	2611	2611	2611
5°	2609	2594	2604
10°	2614	2594	2611
15°	2603	2590	2608
20°	2588	2570	2591
25°	2563	2544	2563
30°	2533	2528	2548
35°	2503	2503	2508
40°	2465	2465	2478
45°	2418	2414	2428
50°	2354	2354	2373
55°	2270	2252	2287
60°	2167	2137	2176
65°	2017	1958	2011
70°	1773	1714	1758
75°	1431	1372	1431
80°	987	959	987
85°	429	429	429



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.7	3.5
10°-20°	263.0	10.0
20°-30°	397.0	15.1
30°-40°	476.7	18.1
40°-50°	490.2	18.7
50°-60°	432.5	16.5
60°-70°	307.8	11.7
70°-80°	145.3	5.5
80°-90°	22.3	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°	751.7	28.6
0°-40°	1228.4	46.8
0°-60°	2151.2	81.9
0°-90°	2626.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2626.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	970	970	970	970	970	
5°	966	965	960	968	964	92
15°	934	931	930	934	936	264
25°	863	858	857	862	863	398
35°	762	758	762	765	764	477
45°	635	633	634	639	638	490
55°	484	485	480	486	488	433
65°	317	312	308	312	316	311
75°	138	137	132	135	138	148
85°	14	15	14	14	14	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	970.4	970.4	970.4	970.4	970.4
2.5°	969.5	967.7	964.9	968.6	971.4
5°	965.8	964.9	960.3	967.7	964.0
7.5°	960.3	962.1	955.7	960.3	963.0
10°	956.6	951.0	949.2	952.9	955.7
12.5°	943.7	943.7	942.7	943.7	950.1
15°	934.4	930.7	929.8	933.5	936.3
17.5°	924.3	916.9	916.0	918.7	918.7
20°	903.9	897.5	897.5	902.1	904.9
22.5°	881.8	880.9	878.1	886.4	886.4
25°	863.3	857.8	856.9	862.4	863.3
27.5°	842.1	837.5	840.2	840.2	845.8
30°	815.3	813.5	813.5	818.1	819.9
32.5°	789.5	787.6	788.5	791.3	793.1
35°	761.8	758.1	761.8	765.4	763.6
37.5°	734.1	732.2	732.2	735.0	735.0
40°	701.7	699.0	701.7	706.4	705.4
42.5°	671.3	667.6	668.5	673.1	672.2
45°	635.3	633.4	634.3	639.0	638.0
47.5°	602.0	599.2	600.2	600.2	602.0
50°	562.3	562.3	562.3	565.1	566.9
52.5°	524.5	523.5	522.6	527.2	530.0
55°	483.8	484.8	480.1	485.7	487.5
57.5°	444.1	444.1	440.4	443.2	447.8
60°	402.6	399.8	397.0	400.7	404.4
62.5°	358.3	356.4	351.8	354.6	364.7
65°	316.7	312.1	307.5	312.1	315.8
67.5°	270.5	266.8	261.3	265.9	270.5
70°	225.3	222.5	217.9	220.7	223.4
72.5°	181.9	177.3	173.6	177.3	179.1
75°	137.6	136.7	132.0	134.8	137.6
77.5°	98.8	97.0	94.2	98.8	98.8
80°	63.7	63.7	61.9	62.8	63.7
82.5°	36.0	34.2	33.2	35.1	34.2
85°	13.9	14.8	13.9	13.9	13.9
87.5°	2.8	1.8	2.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)