

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: METALUX

Report Number: P298643

Luminaire Tested: **14FPX-26-L835-LV1-SWPD1**

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: P298643  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-179-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14FPX-26-L835-LV1-SWPD1  
Description: 1x4 FPX SERIES LED PANEL, 3500K CCT AND 80CRI  
Light Source: -  
Ballast/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**

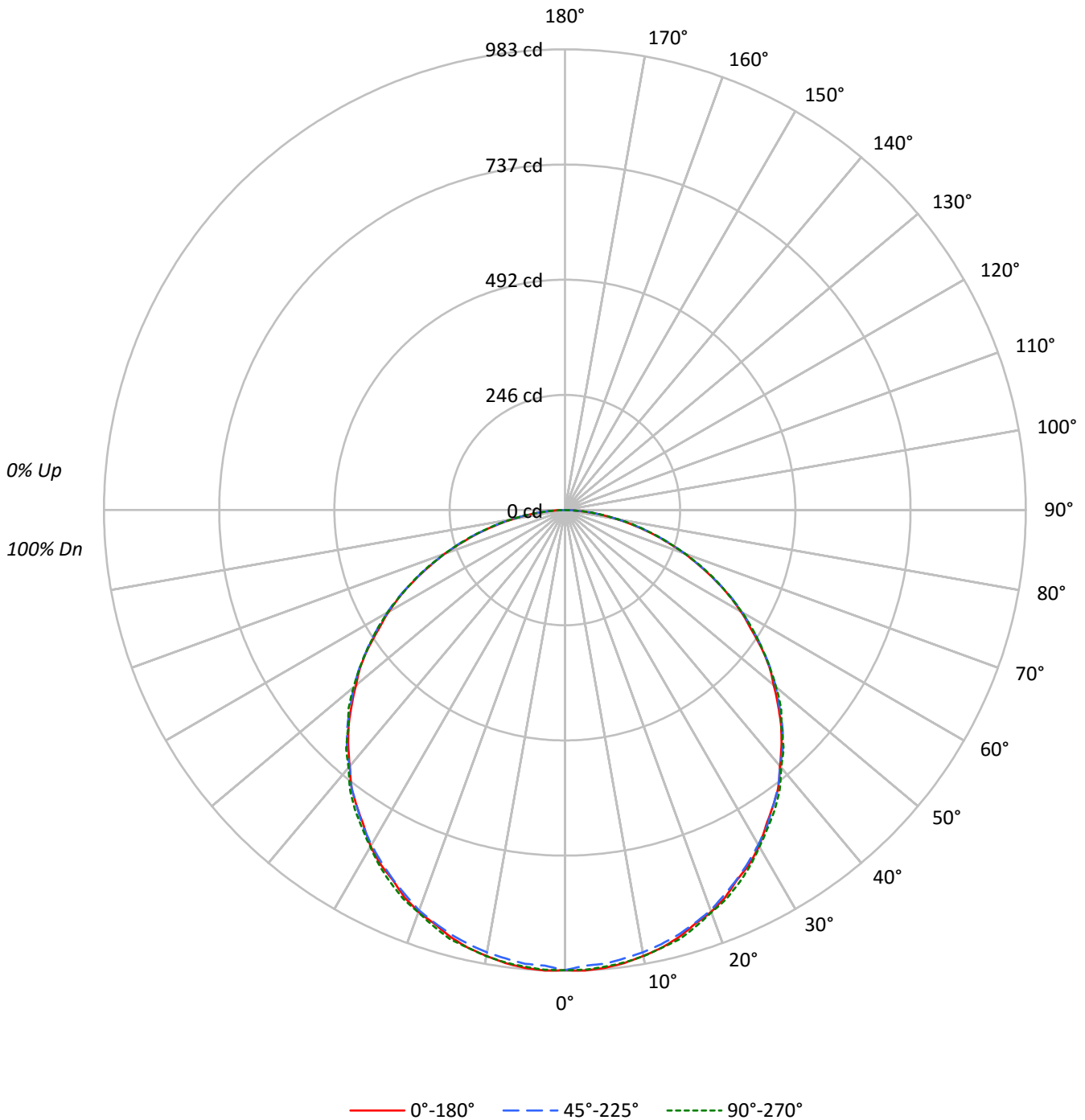
Lumens per Lamp: N/A  
Luminaire Lumens: 2822.8 lumens  
Efficiency: N/A  
Efficacy: 107.6 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.23  
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



TEST NUMBER: P298643  
CATALOG NUMBER: 14FPX-26-L835-LV1-SWPD1

### Luminous Intensity Polar Plot





TEST NUMBER: P298643

CATALOG NUMBER: 14FPX-26-L835-LV1-SWPD1

**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	77	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	52	62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35	47	40	35	46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32	43	36	31	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°	2641	2641	2641
5°	2648	2625	2642
10°	2639	2618	2640
15°	2627	2612	2640
20°	2612	2602	2616
25°	2583	2579	2607
30°	2573	2562	2579
35°	2539	2539	2564
40°	2506	2508	2520
45°	2482	2498	2484
50°	2435	2457	2462
55°	2398	2409	2406
60°	2336	2352	2349
65°	2251	2259	2266
70°	2142	2147	2152
75°	1982	1999	2006
80°	1777	1805	1813
85°	1454	1525	1562



TEST NUMBER: P298643  
 CATALOG NUMBER: 14FPX-26-L835-LV1-SWPD1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.8	3.3
10°-20°	265.6	9.4
20°-30°	402.4	14.3
30°-40°	485.5	17.2
40°-50°	505.7	17.9
50°-60°	458.8	16.3
60°-70°	351.1	12.4
70°-80°	203.9	7.2
80°-90°	57.1	2.0
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°	760.8	27.0
0°-40°	1246.3	44.1
0°-60°	2210.7	78.3
0°-90°	2822.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2822.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	982	982	982	982	982	
5°	980	977	972	977	978	93
15°	943	940	938	943	948	266
25°	870	872	869	876	878	402
35°	773	775	773	778	780	484
45°	652	657	656	659	653	502
55°	511	514	514	515	513	456
65°	354	355	355	355	356	350
75°	191	191	192	194	193	202
85°	47	48	49	51	51	56
90°	0	0	0	0	0	



TEST NUMBER: P298643

CATALOG NUMBER: 14FPX-26-L835-LV1-SWPD1

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	981.6	981.6	981.6	981.6	981.6
2.5°	983.4	978.1	972.8	981.0	981.6
5°	980.4	976.9	971.6	976.9	978.1
7.5°	974.6	969.9	965.1	974.0	973.4
10°	965.7	964.0	958.1	964.6	966.3
12.5°	956.3	953.4	948.7	953.4	956.3
15°	942.8	940.4	937.5	942.8	947.5
17.5°	925.2	926.3	923.4	929.3	931.0
20°	912.2	910.4	908.7	913.4	913.4
22.5°	894.0	895.7	888.7	896.9	898.7
25°	869.9	872.2	868.7	875.7	878.1
27.5°	851.6	851.6	847.5	852.8	855.8
30°	828.1	827.5	824.6	828.1	829.9
32.5°	798.1	804.6	801.1	806.3	804.6
35°	772.8	775.2	772.8	777.5	780.5
37.5°	747.5	748.7	746.9	749.9	752.8
40°	713.4	717.5	714.0	719.3	717.5
42.5°	684.0	688.1	688.1	689.3	690.5
45°	652.3	657.0	656.4	659.3	652.8
47.5°	617.0	623.4	620.5	626.4	625.8
50°	581.7	588.7	587.0	585.8	588.1
52.5°	549.9	552.3	551.7	551.7	551.1
55°	511.1	514.0	513.5	514.6	512.9
57.5°	469.9	475.8	475.2	475.2	475.2
60°	434.1	436.4	437.0	436.4	436.4
62.5°	395.2	396.4	397.6	394.6	394.6
65°	353.5	354.7	354.7	355.2	355.8
67.5°	311.7	315.2	313.5	313.5	315.2
70°	272.3	272.9	272.9	272.9	273.5
72.5°	230.0	231.1	233.5	234.1	232.3
75°	190.6	191.1	192.3	194.1	192.9
77.5°	151.2	152.3	154.1	154.7	155.3
80°	114.7	115.9	116.5	118.2	117.0
82.5°	81.2	81.8	81.8	82.9	83.5
85°	47.1	47.6	49.4	50.6	50.6
87.5°	20.0	20.6	20.0	20.0	20.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)