

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: P298644

Luminaire Tested: **14FPX-26-L840-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: P298644  
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-L840-LV1-SWPD1  
Description: 1x4 FPX SERIES LED PANEL, 4000K 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**

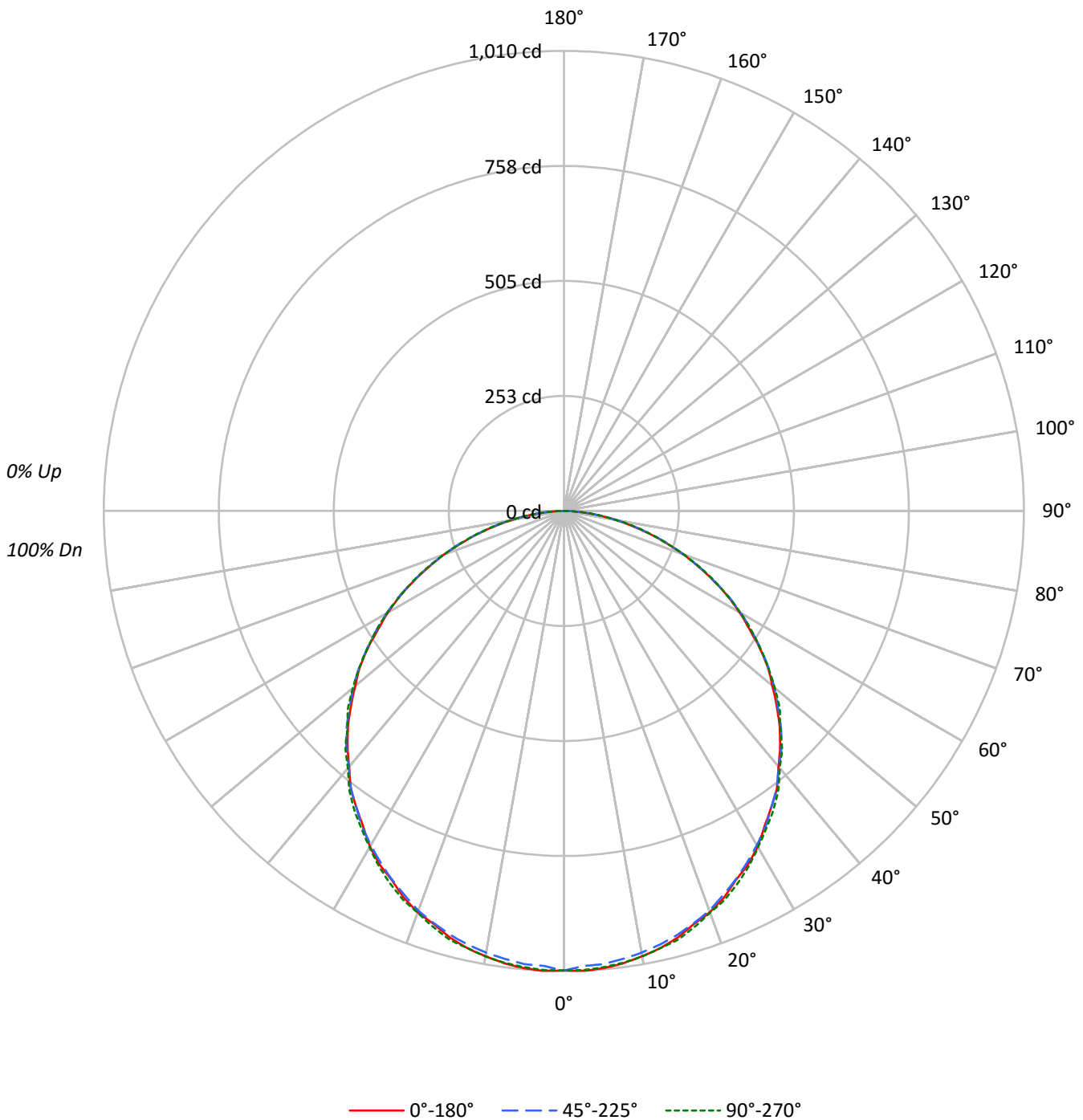
Lumens per Lamp: N/A  
Luminaire Lumens: 2900.7 lumens  
Efficiency: N/A  
Efficacy: 110.6 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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



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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	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°	2714	2714	2714
5°	2722	2697	2715
10°	2712	2690	2713
15°	2699	2684	2712
20°	2684	2674	2688
25°	2654	2651	2679
30°	2644	2633	2650
35°	2609	2609	2635
40°	2575	2577	2590
45°	2551	2567	2553
50°	2502	2525	2530
55°	2464	2475	2472
60°	2400	2416	2413
65°	2313	2320	2328
70°	2201	2206	2211
75°	2036	2054	2061
80°	1827	1855	1864
85°	1491	1568	1606



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.3	3.3
10°-20°	272.9	9.4
20°-30°	413.6	14.3
30°-40°	498.9	17.2
40°-50°	519.6	17.9
50°-60°	471.4	16.3
60°-70°	360.8	12.4
70°-80°	209.5	7.2
80°-90°	58.7	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°	781.8	27.0
0°-40°	1280.7	44.2
0°-60°	2271.7	78.3
0°-90°	2900.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2900.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1009	1009	1009	1009	1009	
5°	1008	1004	998	1004	1005	96
15°	969	966	963	969	974	273
25°	894	896	893	900	902	413
35°	794	797	794	799	802	497
45°	670	675	674	678	671	516
55°	525	528	528	529	527	469
65°	363	364	364	365	366	359
75°	196	196	198	199	198	207
85°	48	49	51	52	52	57
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1008.7	1008.7	1008.7	1008.7	1008.7
2.5°	1010.5	1005.1	999.6	1008.1	1008.7
5°	1007.5	1003.9	998.4	1003.9	1005.1
7.5°	1001.4	996.6	991.8	1000.8	1000.2
10°	992.4	990.6	984.5	991.2	993.0
12.5°	982.7	979.7	974.9	979.7	982.7
15°	968.8	966.4	963.4	968.8	973.6
17.5°	950.7	951.9	948.9	954.9	956.7
20°	937.4	935.6	933.8	938.6	938.6
22.5°	918.6	920.5	913.2	921.7	923.5
25°	893.9	896.3	892.7	899.9	902.3
27.5°	875.1	875.1	870.9	876.3	879.4
30°	851.0	850.4	847.3	851.0	852.8
32.5°	820.1	826.8	823.2	828.6	826.8
35°	794.1	796.6	794.1	799.0	802.0
37.5°	768.2	769.4	767.6	770.6	773.6
40°	733.1	737.3	733.7	739.1	737.3
42.5°	702.9	707.1	707.1	708.3	709.5
45°	670.2	675.1	674.5	677.5	670.9
47.5°	634.0	640.6	637.6	643.7	643.1
50°	597.7	605.0	603.2	602.0	604.4
52.5°	565.1	567.5	566.9	566.9	566.3
55°	525.2	528.2	527.6	528.8	527.0
57.5°	482.9	488.9	488.3	488.3	488.3
60°	446.0	448.4	449.0	448.4	448.4
62.5°	406.1	407.3	408.6	405.5	405.5
65°	363.2	364.4	364.4	365.0	365.6
67.5°	320.3	323.9	322.1	322.1	323.9
70°	279.8	280.4	280.4	280.4	281.0
72.5°	236.3	237.5	239.9	240.5	238.7
75°	195.8	196.4	197.6	199.4	198.2
77.5°	155.3	156.5	158.3	158.9	159.6
80°	117.9	119.1	119.7	121.5	120.3
82.5°	83.4	84.0	84.0	85.2	85.8
85°	48.3	49.0	50.8	52.0	52.0
87.5°	20.5	21.2	20.5	20.5	21.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)