

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: P298593

Luminaire Tested: **14FPX-26-L830-SWPD1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P298593  
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-L830-SWPD1  
Description: 1x4 FPX SERIES LED PANEL, 3000K CCT AND 80CRI  
Light Source: -  
Ballast/Driver: -

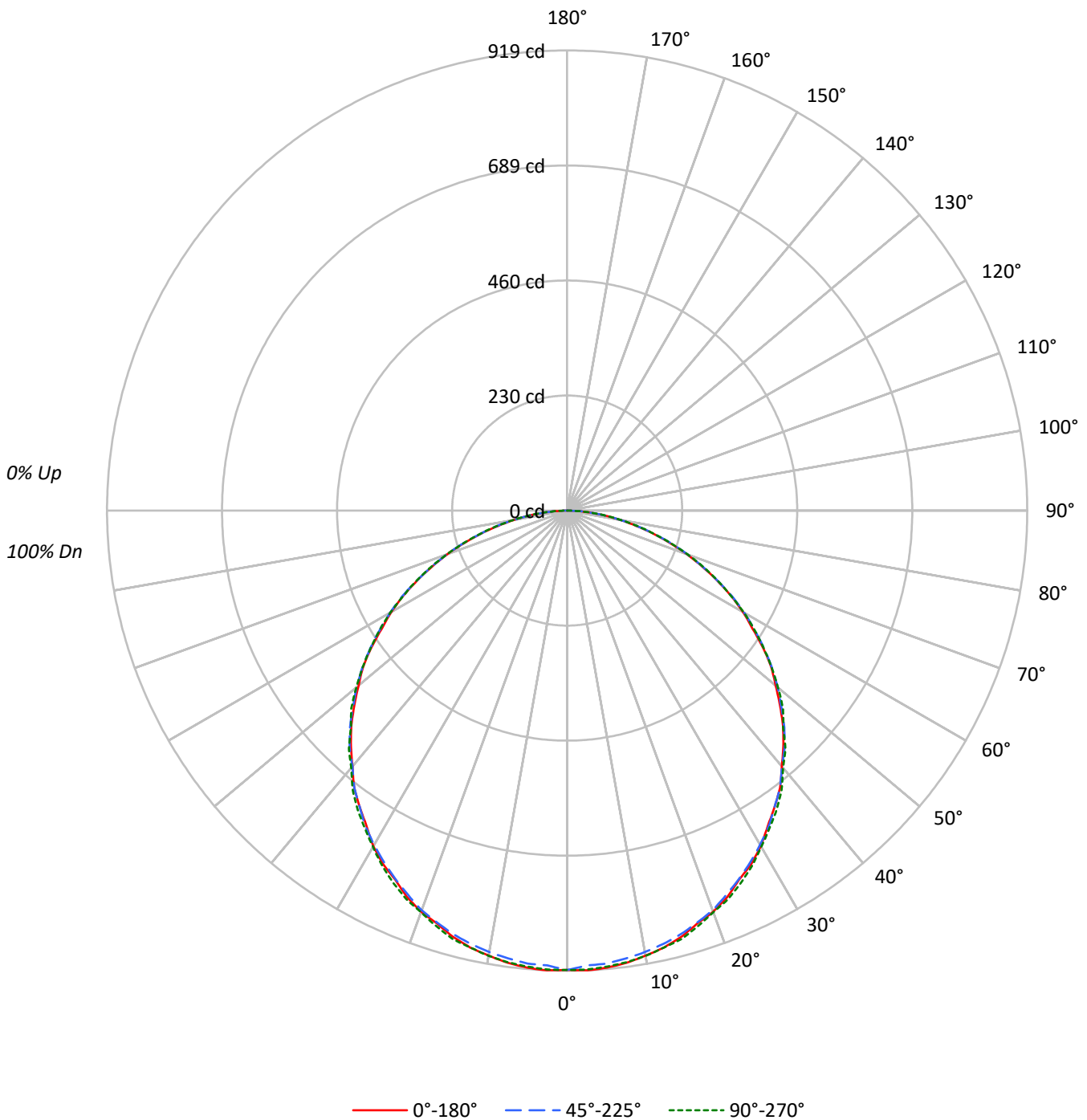
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2638.2 lumens  
Efficiency: N/A  
Efficacy: 104.3 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): 25.3  
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: P298593  
CATALOG NUMBER: 14FPX-26-L830-SWPD1

### Luminous Intensity Polar Plot





TEST NUMBER: P298593

CATALOG NUMBER: 14FPX-26-L830-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°	2469	2469	2469
5°	2475	2453	2469
10°	2466	2447	2468
15°	2455	2441	2467
20°	2442	2432	2445
25°	2414	2411	2437
30°	2405	2395	2410
35°	2373	2373	2396
40°	2342	2344	2356
45°	2320	2334	2322
50°	2276	2297	2301
55°	2241	2251	2249
60°	2183	2198	2195
65°	2104	2111	2118
70°	2002	2007	2011
75°	1852	1868	1875
80°	1661	1686	1695
85°	1359	1426	1460



TEST NUMBER: P298593

CATALOG NUMBER: 14FPX-26-L830-SWPD1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.7	3.3
10°-20°	248.2	9.4
20°-30°	376.1	14.3
30°-40°	453.7	17.2
40°-50°	472.6	17.9
50°-60°	428.8	16.3
60°-70°	328.2	12.4
70°-80°	190.5	7.2
80°-90°	53.3	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°	711.1	27.0
0°-40°	1164.8	44.1
0°-60°	2066.2	78.3
0°-90°	2638.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2638.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	917	917	917	917	917	
5°	916	913	908	913	914	87
15°	881	879	876	881	886	248
25°	813	815	812	818	821	376
35°	722	724	722	727	729	452
45°	610	614	613	616	610	469
55°	478	480	480	481	479	426
65°	330	332	332	332	333	327
75°	178	179	180	181	180	189
85°	44	44	46	47	47	52
90°	0	0	0	0	0	



TEST NUMBER: P298593

CATALOG NUMBER: 14FPX-26-L830-SWPD1

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	917.4	917.4	917.4	917.4	917.4
2.5°	919.1	914.1	909.2	916.9	917.4
5°	916.3	913.0	908.1	913.0	914.1
7.5°	910.8	906.4	902.0	910.3	909.7
10°	902.6	900.9	895.4	901.5	903.1
12.5°	893.8	891.0	886.6	891.0	893.8
15°	881.1	878.9	876.2	881.1	885.5
17.5°	864.7	865.8	863.0	868.5	870.1
20°	852.6	850.9	849.3	853.7	853.7
22.5°	835.5	837.2	830.6	838.3	839.9
25°	813.0	815.2	811.9	818.5	820.7
27.5°	795.9	795.9	792.1	797.0	799.8
30°	774.0	773.4	770.7	774.0	775.6
32.5°	745.9	752.0	748.7	753.6	752.0
35°	722.3	724.5	722.3	726.7	729.4
37.5°	698.6	699.7	698.1	700.8	703.6
40°	666.8	670.6	667.3	672.3	670.6
42.5°	639.3	643.1	643.1	644.2	645.3
45°	609.6	614.0	613.4	616.2	610.1
47.5°	576.6	582.7	579.9	585.4	584.9
50°	543.6	550.2	548.6	547.5	549.7
52.5°	514.0	516.2	515.6	515.6	515.1
55°	477.7	480.4	479.9	481.0	479.3
57.5°	439.2	444.7	444.1	444.1	444.1
60°	405.7	407.9	408.4	407.9	407.9
62.5°	369.4	370.5	371.6	368.8	368.8
65°	330.4	331.5	331.5	332.0	332.6
67.5°	291.3	294.6	293.0	293.0	294.6
70°	254.5	255.1	255.1	255.1	255.6
72.5°	214.9	216.0	218.2	218.8	217.1
75°	178.1	178.6	179.7	181.4	180.3
77.5°	141.3	142.4	144.0	144.6	145.1
80°	107.2	108.3	108.8	110.5	109.4
82.5°	75.9	76.4	76.4	77.5	78.1
85°	44.0	44.5	46.2	47.3	47.3
87.5°	18.7	19.2	18.7	18.7	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)