

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: P298594

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P298594
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-SWPD1
Description: 1x4 FPX SERIES LED PANEL, 3500K CCT AND 80CRI
Light Source: -
Ballast/Driver: -

Summary

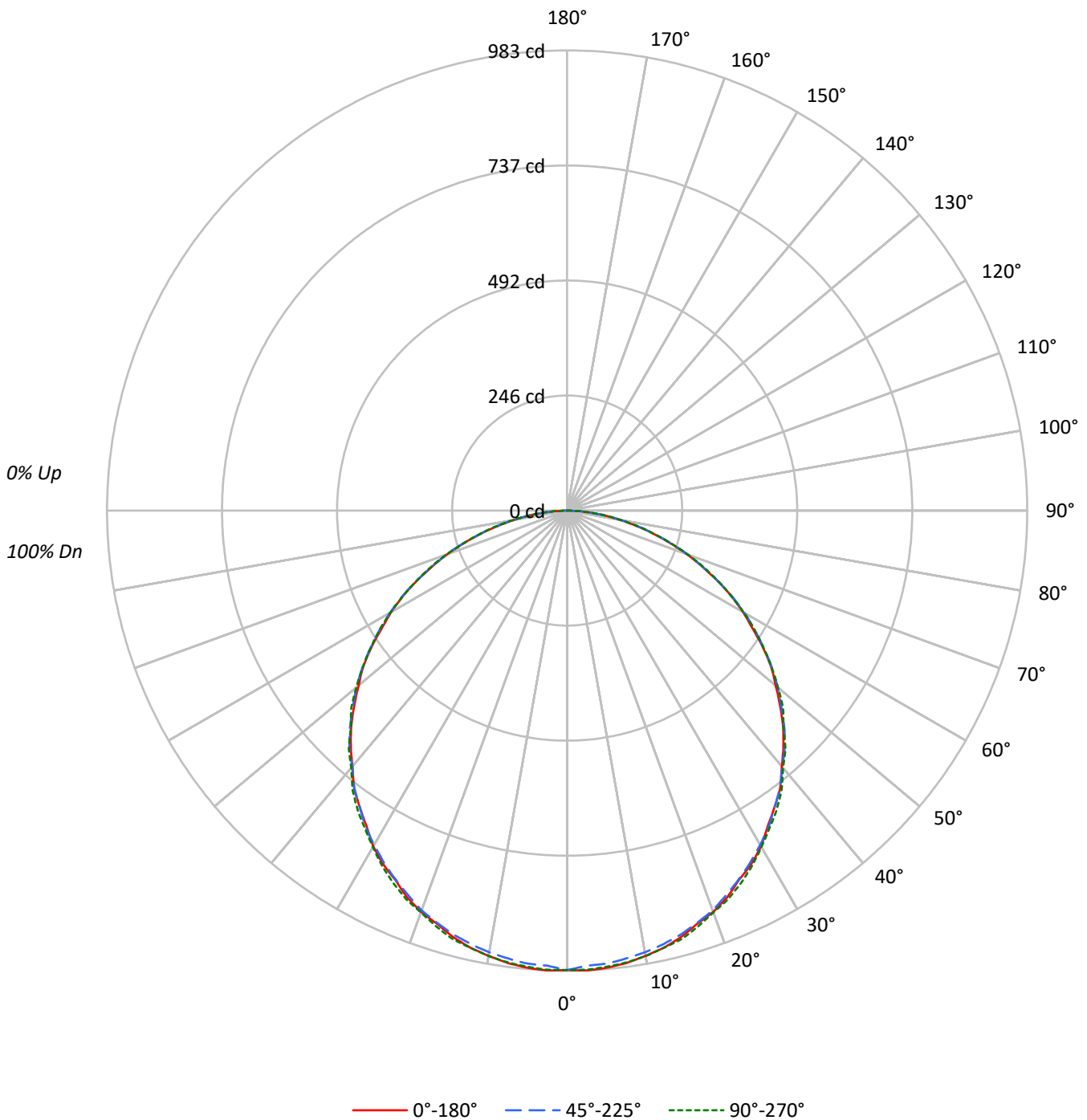
Lumens per Lamp: N/A
Luminaire Lumens: 2822.8 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.2
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°	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



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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	



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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)