

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: P298488

Luminaire Tested: **22FPX-25-L835-HE-HCD-SWPD1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P298488  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-179-3)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22FPX-25-L835-HE-HCD-SWPD1  
Description: 2x2 FPX SERIES LED PANEL, 3500K CCT AND 80CRI  
Light Source: -  
Ballast/Driver: -

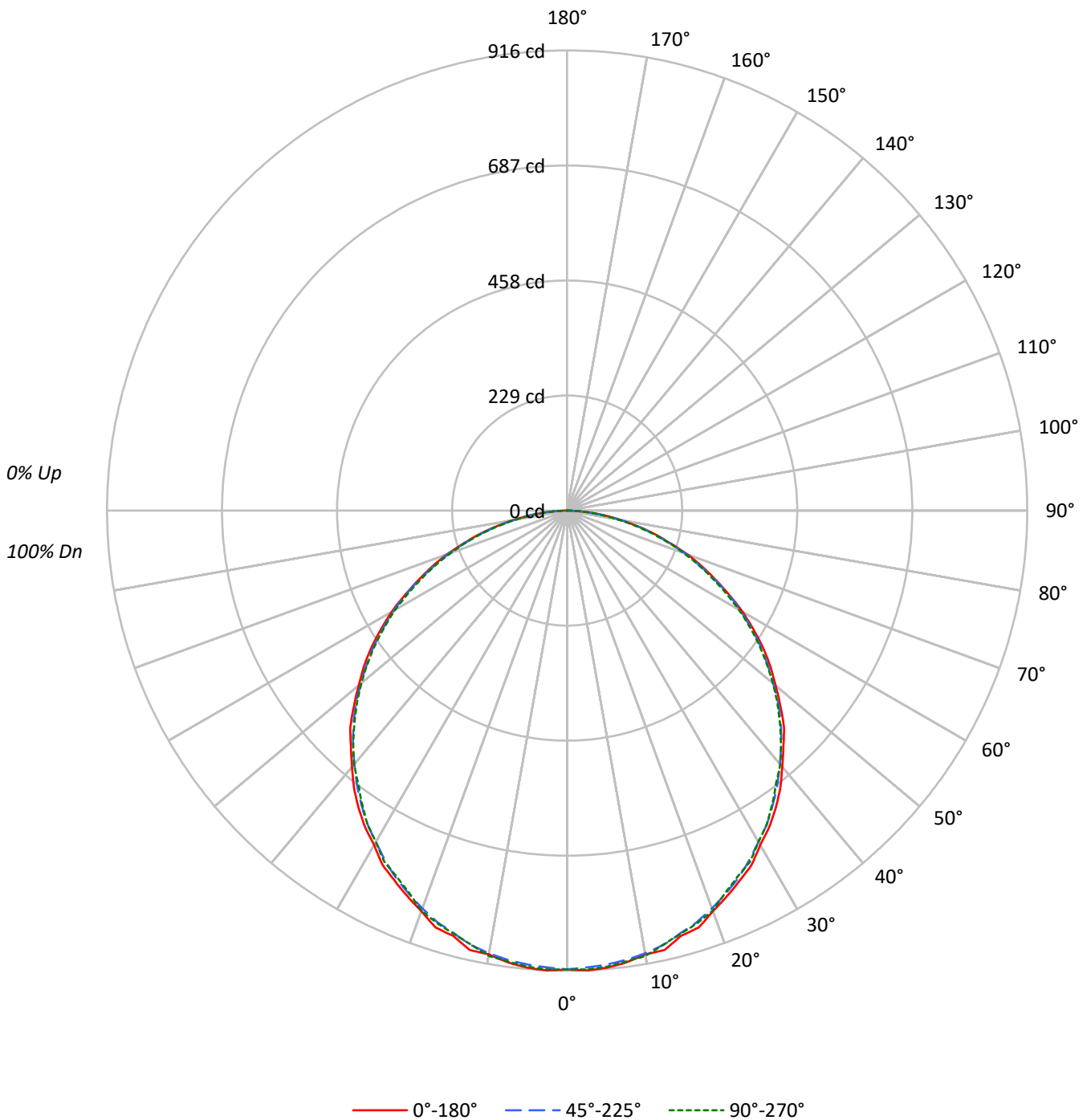
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2597.6 lumens  
Efficiency: N/A  
Efficacy: 126.3 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.5706399497408  
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: P298488  
CATALOG NUMBER: 22FPX-25-L835-HE-HCD-SWPD1

### Luminous Intensity Polar Plot





TEST NUMBER: P298488

CATALOG NUMBER: 22FPX-25-L835-HE-HCD-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	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		78	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69	65	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	53		62	56	52	50
5	76	63	54	47	73	61	53	47	59	52	46		57	51	46		55	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40		52	45	40		50	44	40	37
7	65	51	42	36	63	50	42	36	49	41	36		47	40	35		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29		40	33	29		39	33	28	27
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°	2458	2458	2458
5°	2467	2450	2462
10°	2451	2445	2459
15°	2442	2427	2430
20°	2430	2413	2427
25°	2413	2395	2386
30°	2388	2366	2366
35°	2377	2346	2340
40°	2340	2314	2318
45°	2324	2288	2281
50°	2268	2243	2238
55°	2234	2205	2190
60°	2171	2143	2126
65°	2078	2058	2032
70°	2002	1970	1938
75°	1867	1835	1814
80°	1686	1654	1623
85°	1426	1396	1362



TEST NUMBER: P298488

CATALOG NUMBER: 22FPX-25-L835-HE-HCD-SWPD1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.3	3.3
10°-20°	246.8	9.5
20°-30°	372.5	14.3
30°-40°	447.9	17.2
40°-50°	464.1	17.9
50°-60°	419.9	16.2
60°-70°	320.4	12.3
70°-80°	186.8	7.2
80°-90°	52.8	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°	705.7	27.2
0°-40°	1153.6	44.4
0°-60°	2037.6	78.4
0°-90°	2597.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2597.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	913	913	913	913	913	
5°	913	910	907	907	911	87
15°	876	875	871	873	872	248
25°	813	813	807	807	804	375
35°	724	718	714	713	712	452
45°	611	603	601	598	599	469
55°	476	473	470	468	467	424
65°	326	326	323	322	319	324
75°	180	179	176	173	174	190
85°	46	48	45	46	44	53
90°	0	0	0	0	0	



TEST NUMBER: P298488

CATALOG NUMBER: 22FPX-25-L835-HE-HCD-SWPD1

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	913.3	913.3	913.3	913.3	913.3
2.5°	916.4	911.3	910.2	912.3	914.3
5°	913.3	910.2	907.1	907.1	911.3
7.5°	907.1	904.1	902.0	902.0	905.1
10°	896.9	893.8	894.8	894.8	900.0
12.5°	895.9	886.6	885.6	886.6	884.6
15°	876.4	875.3	871.2	873.3	872.3
17.5°	870.2	864.0	858.9	859.9	861.0
20°	848.7	846.6	842.5	843.5	847.6
22.5°	831.2	832.2	825.1	825.1	823.0
25°	812.7	812.7	806.6	806.6	803.5
27.5°	795.3	790.2	785.0	786.1	788.1
30°	768.6	766.6	761.4	762.5	761.4
32.5°	748.1	747.1	739.9	737.8	739.9
35°	723.5	718.3	714.2	713.2	712.2
37.5°	696.8	692.7	687.5	686.5	683.4
40°	666.0	665.0	658.8	659.8	659.8
42.5°	637.3	634.2	631.1	629.1	630.1
45°	610.6	603.4	601.3	598.3	599.3
47.5°	575.7	572.6	570.6	566.5	567.5
50°	541.8	541.8	535.7	534.6	534.6
52.5°	510.0	508.0	502.8	503.9	500.8
55°	476.1	473.1	470.0	467.9	466.9
57.5°	439.2	436.1	434.1	431.0	431.0
60°	403.3	399.2	398.2	394.1	395.1
62.5°	364.3	363.3	362.2	359.2	356.1
65°	326.3	326.3	323.2	322.2	319.1
67.5°	290.4	288.4	285.3	285.3	283.2
70°	254.5	251.4	250.4	247.3	246.3
72.5°	214.5	214.5	211.4	210.4	210.4
75°	179.6	178.6	176.5	173.4	174.5
77.5°	143.7	142.6	141.6	139.6	138.5
80°	108.8	108.8	106.7	107.7	104.7
82.5°	75.9	77.0	74.9	74.9	72.9
85°	46.2	48.2	45.2	46.2	44.1
87.5°	19.5	19.5	18.5	18.5	18.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)