

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: P298513

Luminaire Tested: **22FPX-25-L840-HE-SR-LWIPD1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P298513
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-L840-HE-SR-LWIPD1
Description: 2x2 FPX SERIES LED PANEL, 4000K CCT AND 80CRI
Light Source: -
Ballast/Driver: -

Summary

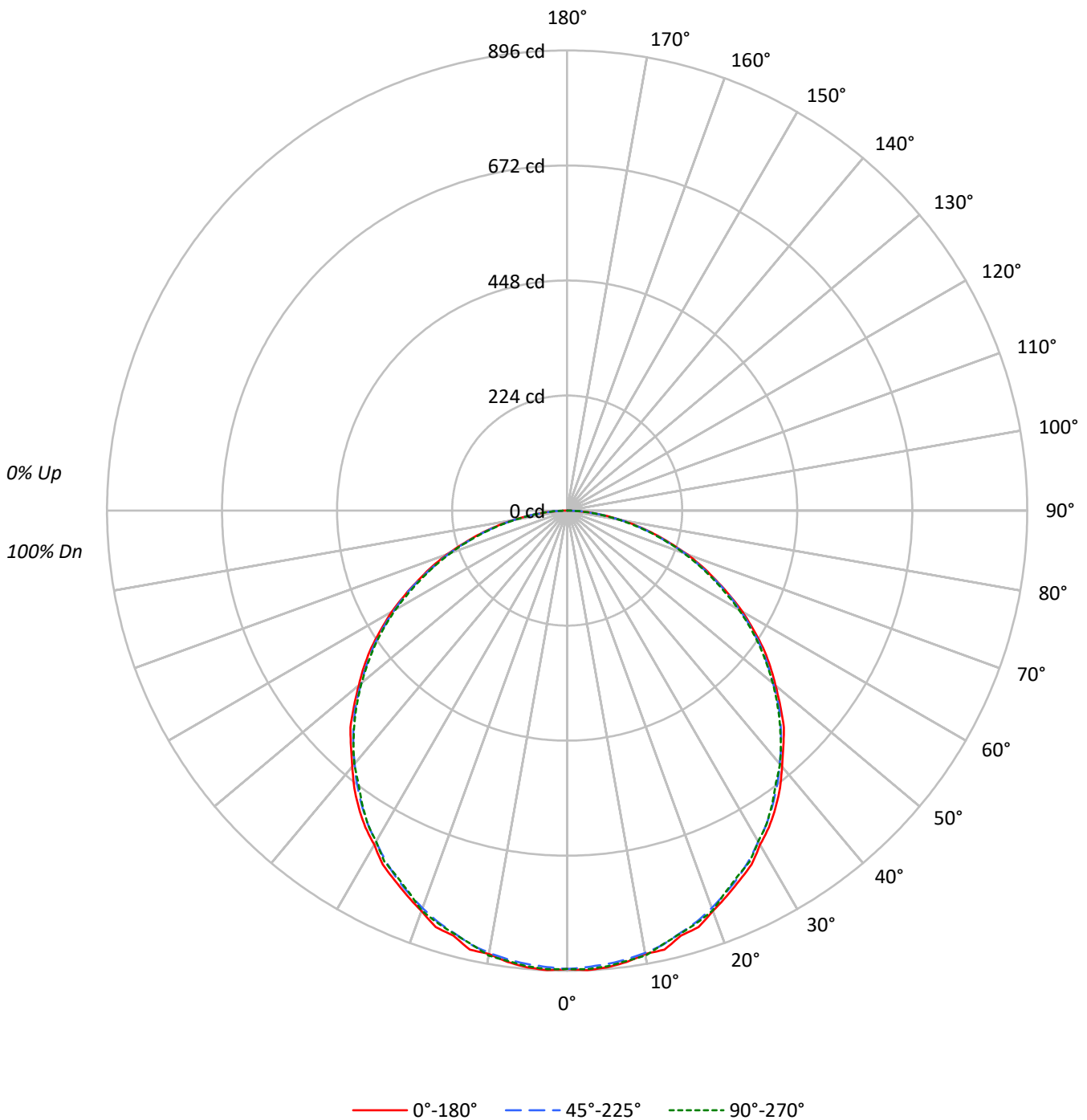
Lumens per Lamp: N/A
Luminaire Lumens: 2538.9 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21.7432326397777
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	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°	2402	2402	2402
5°	2411	2395	2406
10°	2395	2390	2403
15°	2386	2372	2375
20°	2375	2358	2373
25°	2359	2341	2332
30°	2334	2312	2312
35°	2323	2293	2287
40°	2286	2262	2265
45°	2271	2237	2229
50°	2217	2192	2188
55°	2183	2155	2141
60°	2122	2095	2079
65°	2031	2011	1986
70°	1957	1925	1894
75°	1825	1794	1773
80°	1647	1616	1585
85°	1392	1362	1331



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	3.3
10°-20°	241.3	9.5
20°-30°	364.1	14.3
30°-40°	437.8	17.2
40°-50°	453.6	17.9
50°-60°	410.4	16.2
60°-70°	313.2	12.3
70°-80°	182.6	7.2
80°-90°	51.6	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°	689.7	27.2
0°-40°	1127.5	44.4
0°-60°	1991.5	78.4
0°-90°	2538.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2538.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	893	893	893	893	893	
5°	893	890	887	887	891	85
15°	857	856	852	854	852	243
25°	794	794	788	788	785	366
35°	707	702	698	697	696	442
45°	597	590	588	585	586	458
55°	465	462	459	457	456	415
65°	319	319	316	315	312	317
75°	176	174	172	170	170	185
85°	45	47	44	45	43	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	892.7	892.7	892.7	892.7	892.7
2.5°	895.7	890.7	889.6	891.7	893.7
5°	892.7	889.6	886.6	886.6	890.7
7.5°	886.6	883.6	881.6	881.6	884.6
10°	876.6	873.6	874.6	874.6	879.6
12.5°	875.6	866.6	865.6	866.6	864.6
15°	856.6	855.5	851.5	853.5	852.5
17.5°	850.5	844.5	839.5	840.5	841.5
20°	829.5	827.5	823.5	824.5	828.5
22.5°	812.4	813.4	806.4	806.4	804.4
25°	794.4	794.4	788.3	788.3	785.3
27.5°	777.3	772.3	767.3	768.3	770.3
30°	751.2	749.2	744.2	745.2	744.2
32.5°	731.2	730.2	723.2	721.1	723.2
35°	707.1	702.1	698.1	697.1	696.1
37.5°	681.0	677.0	672.0	671.0	668.0
40°	650.9	649.9	643.9	644.9	644.9
42.5°	622.9	619.8	616.8	614.8	615.8
45°	596.8	589.8	587.8	584.7	585.7
47.5°	562.7	559.7	557.7	553.6	554.7
50°	529.6	529.6	523.6	522.6	522.6
52.5°	498.5	496.5	491.5	492.5	489.5
55°	465.4	462.4	459.4	457.4	456.4
57.5°	429.3	426.3	424.3	421.3	421.3
60°	394.2	390.2	389.2	385.1	386.2
62.5°	356.1	355.1	354.1	351.0	348.0
65°	319.0	319.0	315.9	314.9	311.9
67.5°	283.8	281.8	278.8	278.8	276.8
70°	248.7	245.7	244.7	241.7	240.7
72.5°	209.6	209.6	206.6	205.6	205.6
75°	175.5	174.5	172.5	169.5	170.5
77.5°	140.4	139.4	138.4	136.4	135.4
80°	106.3	106.3	104.3	105.3	102.3
82.5°	74.2	75.2	73.2	73.2	71.2
85°	45.1	47.1	44.1	45.1	43.1
87.5°	19.1	19.1	18.1	18.1	18.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)