

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: P298493

Luminaire Tested: **22FPX-32-L850-HCD-SWPD1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P298493
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-32-L850-HCD-SWPD1
Description: 2x2 FPX SERIES LED PANEL, 5000K CCT AND 80CRI
Light Source: -
Ballast/Driver: -

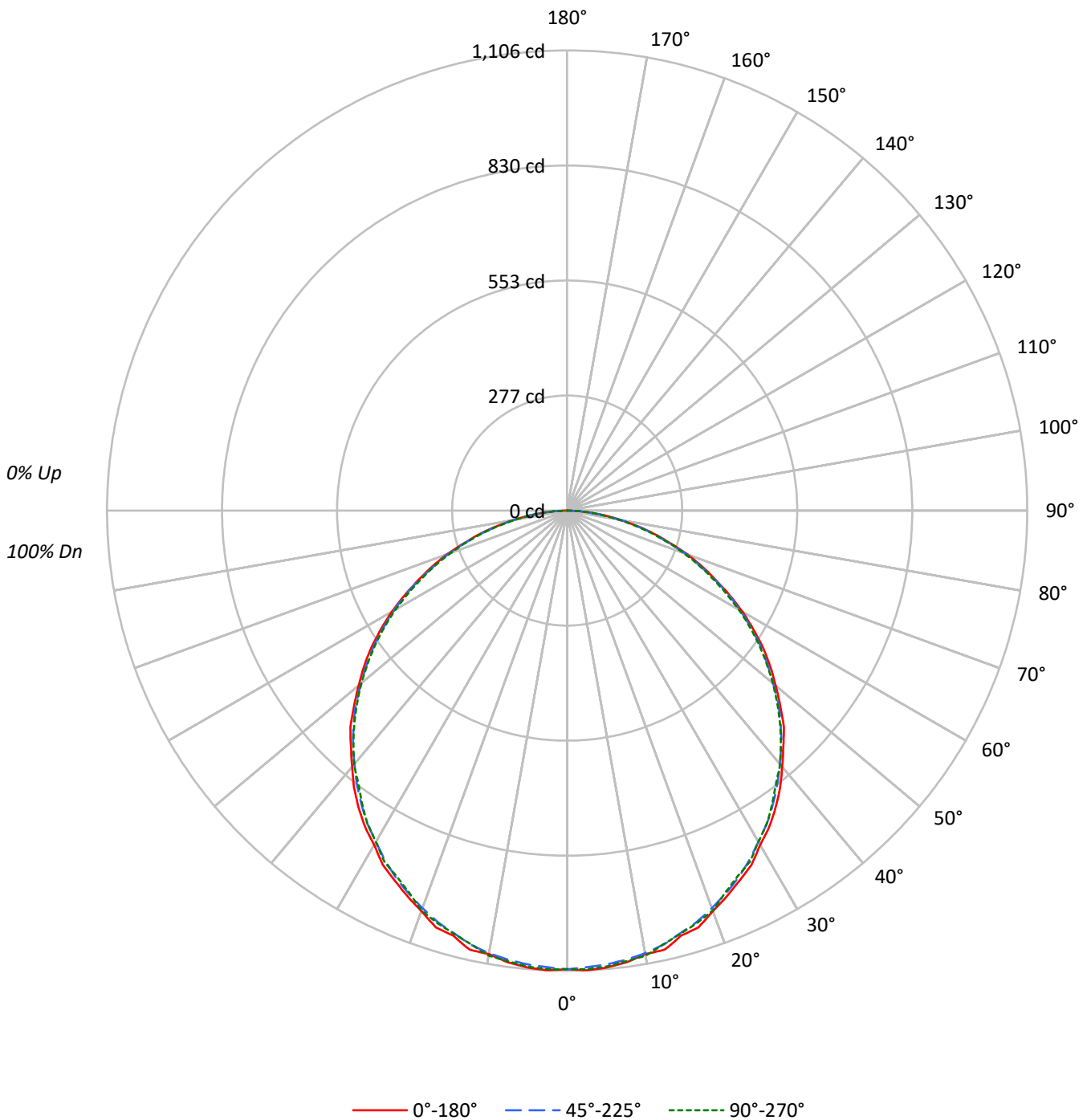
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3135.1 lumens
Efficiency: N/A
Efficacy: 101.1 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): 31.0032531129731
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°	2966	2966	2966
5°	2978	2957	2971
10°	2958	2951	2968
15°	2947	2929	2933
20°	2933	2912	2930
25°	2912	2890	2879
30°	2882	2856	2856
35°	2868	2832	2824
40°	2824	2793	2798
45°	2804	2762	2753
50°	2737	2707	2701
55°	2696	2661	2644
60°	2619	2586	2566
65°	2507	2484	2453
70°	2416	2378	2338
75°	2253	2215	2189
80°	2035	1996	1957
85°	1720	1683	1646



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.2	3.3
10°-20°	297.9	9.5
20°-30°	449.6	14.3
30°-40°	540.6	17.2
40°-50°	560.1	17.9
50°-60°	506.7	16.2
60°-70°	386.7	12.3
70°-80°	225.5	7.2
80°-90°	63.7	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°	851.7	27.2
0°-40°	1392.3	44.4
0°-60°	2459.2	78.4
0°-90°	3135.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3135.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1102	1102	1102	1102	1102	
5°	1102	1098	1095	1095	1100	105
15°	1058	1056	1052	1054	1053	300
25°	981	981	974	974	970	452
35°	873	867	862	861	860	545
45°	737	728	726	722	723	566
55°	575	571	567	565	564	512
65°	394	394	390	389	385	391
75°	217	216	213	209	210	229
85°	56	58	54	56	53	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1102.3	1102.3	1102.3	1102.3	1102.3
2.5°	1106.0	1099.8	1098.5	1101.0	1103.5
5°	1102.3	1098.5	1094.8	1094.8	1099.8
7.5°	1094.8	1091.1	1088.6	1088.6	1092.4
10°	1082.4	1078.7	1080.0	1080.0	1086.2
12.5°	1081.2	1070.1	1068.8	1070.1	1067.6
15°	1057.7	1056.4	1051.5	1054.0	1052.7
17.5°	1050.2	1042.8	1036.6	1037.9	1039.1
20°	1024.2	1021.8	1016.8	1018.0	1023.0
22.5°	1003.2	1004.4	995.8	995.8	993.3
25°	980.9	980.9	973.5	973.5	969.7
27.5°	959.8	953.6	947.5	948.7	951.2
30°	927.6	925.2	919.0	920.2	919.0
32.5°	902.9	901.6	893.0	890.5	893.0
35°	873.1	866.9	862.0	860.8	859.5
37.5°	840.9	836.0	829.8	828.6	824.8
40°	803.8	802.5	795.1	796.4	796.4
42.5°	769.1	765.4	761.7	759.2	760.4
45°	736.9	728.2	725.8	722.0	723.3
47.5°	694.8	691.1	688.6	683.7	684.9
50°	653.9	653.9	646.5	645.3	645.3
52.5°	615.5	613.1	606.9	608.1	604.4
55°	574.7	570.9	567.2	564.8	563.5
57.5°	530.1	526.4	523.9	520.2	520.2
60°	486.7	481.8	480.5	475.6	476.8
62.5°	439.7	438.4	437.2	433.5	429.8
65°	393.8	393.8	390.1	388.9	385.2
67.5°	350.5	348.0	344.3	344.3	341.8
70°	307.1	303.4	302.2	298.5	297.2
72.5°	258.8	258.8	255.1	253.9	253.9
75°	216.7	215.5	213.0	209.3	210.5
77.5°	173.4	172.2	170.9	168.4	167.2
80°	131.3	131.3	128.8	130.0	126.3
82.5°	91.6	92.9	90.4	90.4	87.9
85°	55.7	58.2	54.5	55.7	53.3
87.5°	23.5	23.5	22.3	22.3	22.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)