

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: P298604

Luminaire Tested: **14FPX-26-L840-HCD-SWPD1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P298604
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-L840-HCD-SWPD1
Description: 1x4 FPX SERIES LED PANEL, 4000K CCT AND 80CRI
Light Source: -
Ballast/Driver: -

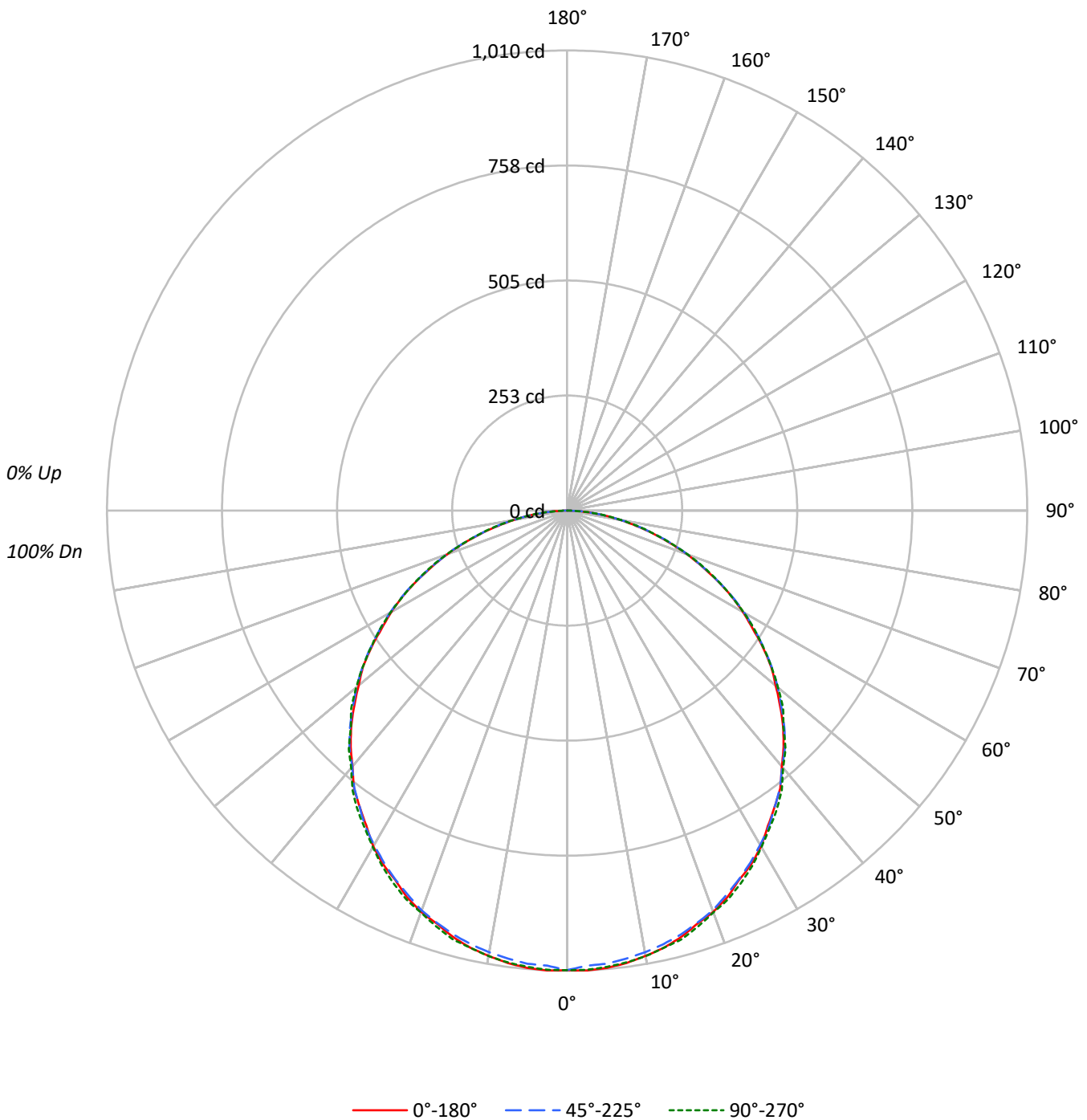
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2900.7 lumens
Efficiency: N/A
Efficacy: 109.2 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): 26.5741084985869
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	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					100			
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50					50			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	35	47	40	35	46	40	35	33					33			
8	60	46	38	32	59	46	38	32	44	37	32	43	36	31	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2714	2714	2714
5°	2722	2697	2715
10°	2712	2690	2713
15°	2699	2684	2712
20°	2684	2674	2688
25°	2654	2651	2679
30°	2644	2633	2650
35°	2609	2609	2635
40°	2575	2577	2590
45°	2551	2567	2553
50°	2502	2525	2530
55°	2464	2475	2472
60°	2400	2416	2413
65°	2313	2320	2328
70°	2201	2206	2211
75°	2036	2054	2061
80°	1827	1855	1864
85°	1491	1568	1606



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	3.3
10°-20°	272.9	9.4
20°-30°	413.6	14.3
30°-40°	498.9	17.2
40°-50°	519.6	17.9
50°-60°	471.4	16.3
60°-70°	360.8	12.4
70°-80°	209.5	7.2
80°-90°	58.7	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°	781.8	27.0
0°-40°	1280.7	44.2
0°-60°	2271.7	78.3
0°-90°	2900.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2900.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1009	1009	1009	1009	1009	
5°	1008	1004	998	1004	1005	96
15°	969	966	963	969	974	273
25°	894	896	893	900	902	413
35°	794	797	794	799	802	497
45°	670	675	674	678	671	516
55°	525	528	528	529	527	469
65°	363	364	364	365	366	359
75°	196	196	198	199	198	207
85°	48	49	51	52	52	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1008.7	1008.7	1008.7	1008.7	1008.7
2.5°	1010.5	1005.1	999.6	1008.1	1008.7
5°	1007.5	1003.9	998.4	1003.9	1005.1
7.5°	1001.4	996.6	991.8	1000.8	1000.2
10°	992.4	990.6	984.5	991.2	993.0
12.5°	982.7	979.7	974.9	979.7	982.7
15°	968.8	966.4	963.4	968.8	973.6
17.5°	950.7	951.9	948.9	954.9	956.7
20°	937.4	935.6	933.8	938.6	938.6
22.5°	918.6	920.5	913.2	921.7	923.5
25°	893.9	896.3	892.7	899.9	902.3
27.5°	875.1	875.1	870.9	876.3	879.4
30°	851.0	850.4	847.3	851.0	852.8
32.5°	820.1	826.8	823.2	828.6	826.8
35°	794.1	796.6	794.1	799.0	802.0
37.5°	768.2	769.4	767.6	770.6	773.6
40°	733.1	737.3	733.7	739.1	737.3
42.5°	702.9	707.1	707.1	708.3	709.5
45°	670.2	675.1	674.5	677.5	670.9
47.5°	634.0	640.6	637.6	643.7	643.1
50°	597.7	605.0	603.2	602.0	604.4
52.5°	565.1	567.5	566.9	566.9	566.3
55°	525.2	528.2	527.6	528.8	527.0
57.5°	482.9	488.9	488.3	488.3	488.3
60°	446.0	448.4	449.0	448.4	448.4
62.5°	406.1	407.3	408.6	405.5	405.5
65°	363.2	364.4	364.4	365.0	365.6
67.5°	320.3	323.9	322.1	322.1	323.9
70°	279.8	280.4	280.4	280.4	281.0
72.5°	236.3	237.5	239.9	240.5	238.7
75°	195.8	196.4	197.6	199.4	198.2
77.5°	155.3	156.5	158.3	158.9	159.6
80°	117.9	119.1	119.7	121.5	120.3
82.5°	83.4	84.0	84.0	85.2	85.8
85°	48.3	49.0	50.8	52.0	52.0
87.5°	20.5	21.2	20.5	20.5	21.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)