

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: P298596

Luminaire Tested: **14FPX-30-L835-HE-SWPD1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P298596
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-30-L835-HE-SWPD1
Description: 1x4 FPX SERIES LED PANEL, 3500K CCT AND 80CRI
Light Source: -
Ballast/Driver: -

Summary

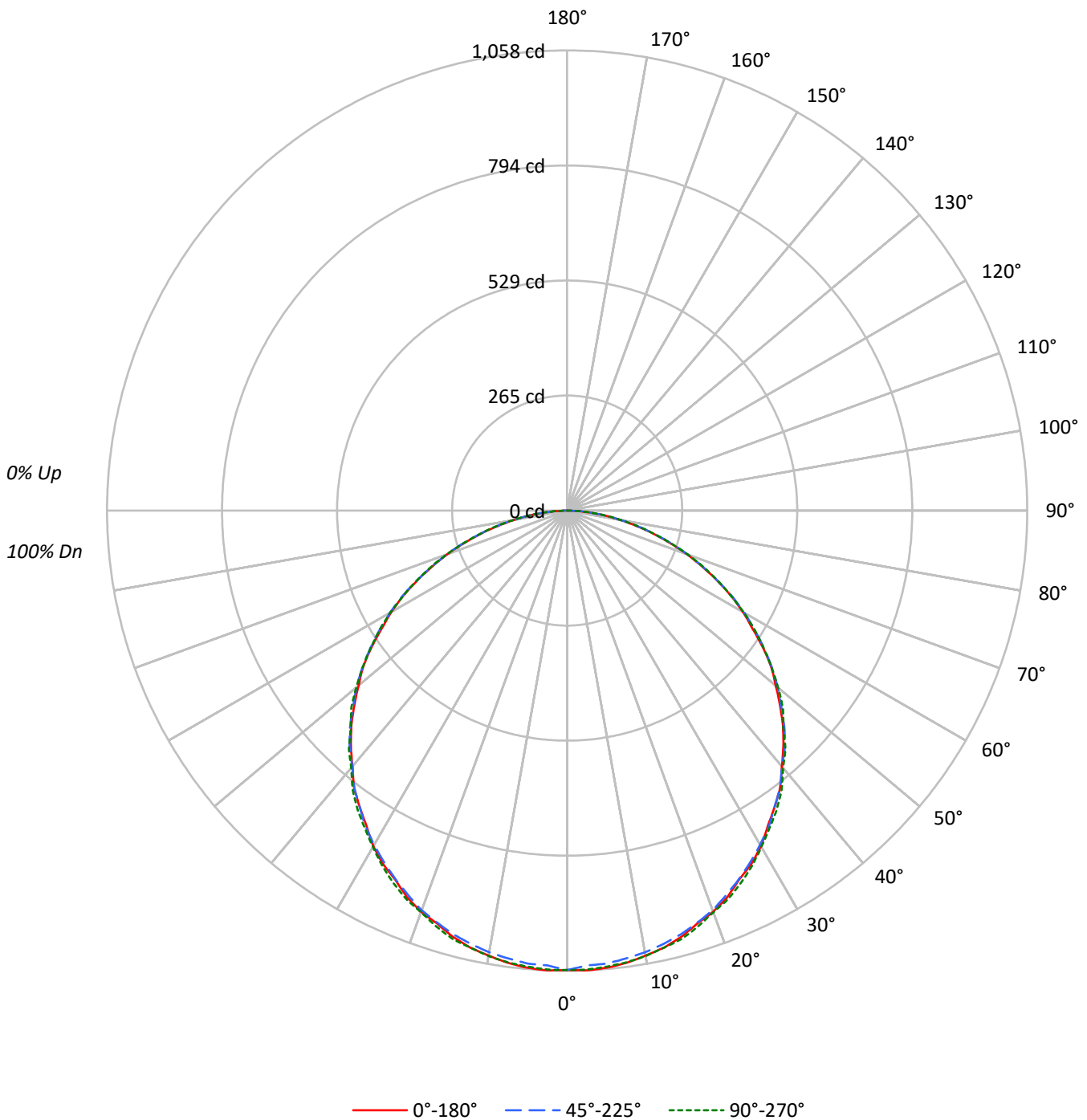
Lumens per Lamp: N/A
Luminaire Lumens: 3037.6 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24.2
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	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°	2842	2842	2842
5°	2850	2824	2843
10°	2840	2817	2842
15°	2826	2810	2841
20°	2811	2800	2815
25°	2779	2776	2806
30°	2769	2757	2775
35°	2732	2732	2759
40°	2697	2699	2712
45°	2671	2688	2673
50°	2620	2644	2650
55°	2580	2592	2589
60°	2514	2531	2527
65°	2422	2430	2438
70°	2305	2311	2316
75°	2132	2152	2158
80°	1912	1942	1951
85°	1562	1643	1680



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	3.3
10°-20°	285.8	9.4
20°-30°	433.1	14.3
30°-40°	522.4	17.2
40°-50°	544.2	17.9
50°-60°	493.7	16.3
60°-70°	377.9	12.4
70°-80°	219.4	7.2
80°-90°	61.4	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°	818.7	27.0
0°-40°	1341.1	44.1
0°-60°	2378.9	78.3
0°-90°	3037.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3037.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1056	1056	1056	1056	1056	
5°	1055	1051	1046	1051	1052	100
15°	1014	1012	1009	1014	1020	286
25°	936	939	935	942	945	433
35°	832	834	832	837	840	521
45°	702	707	706	710	702	540
55°	550	553	552	554	552	491
65°	380	382	382	382	383	376
75°	205	206	207	209	208	217
85°	51	51	53	54	54	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1056.3	1056.3	1056.3	1056.3	1056.3
2.5°	1058.2	1052.5	1046.8	1055.7	1056.3
5°	1055.0	1051.2	1045.5	1051.2	1052.5
7.5°	1048.7	1043.6	1038.6	1048.1	1047.4
10°	1039.2	1037.3	1031.0	1038.0	1039.9
12.5°	1029.1	1025.9	1020.9	1025.9	1029.1
15°	1014.5	1012.0	1008.8	1014.5	1019.6
17.5°	995.5	996.8	993.6	1000.0	1001.9
20°	981.6	979.7	977.8	982.9	982.9
22.5°	962.0	963.9	956.3	965.2	967.1
25°	936.1	938.6	934.8	942.4	944.9
27.5°	916.4	916.4	912.0	917.7	920.9
30°	891.1	890.5	887.3	891.1	893.0
32.5°	858.8	865.8	862.0	867.7	865.8
35°	831.6	834.2	831.6	836.7	839.9
37.5°	804.4	805.7	803.8	806.9	810.1
40°	767.7	772.1	768.3	774.0	772.1
42.5°	736.1	740.5	740.5	741.8	743.0
45°	701.9	706.9	706.3	709.5	702.5
47.5°	663.9	670.9	667.7	674.0	673.4
50°	625.9	633.5	631.6	630.4	632.9
52.5°	591.8	594.3	593.7	593.7	593.0
55°	550.0	553.2	552.5	553.8	551.9
57.5°	505.7	512.0	511.4	511.4	511.4
60°	467.1	469.6	470.2	469.6	469.6
62.5°	425.3	426.6	427.8	424.7	424.7
65°	380.4	381.6	381.6	382.3	382.9
67.5°	335.4	339.2	337.3	337.3	339.2
70°	293.0	293.7	293.7	293.7	294.3
72.5°	247.5	248.7	251.3	251.9	250.0
75°	205.1	205.7	207.0	208.9	207.6
77.5°	162.7	163.9	165.8	166.5	167.1
80°	123.4	124.7	125.3	127.2	125.9
82.5°	87.3	88.0	88.0	89.2	89.9
85°	50.6	51.3	53.2	54.4	54.4
87.5°	21.5	22.2	21.5	21.5	22.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)