

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: P298699

Luminaire Tested: **24FPX-64-L835-HCD-SWPD1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P298699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-179-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24FPX-64-L835-HCD-SWPD1
Description: 2x4 FPX SERIES LED PANEL, 3500K CCT AND 80CRI
Light Source: -
Ballast/Driver: -

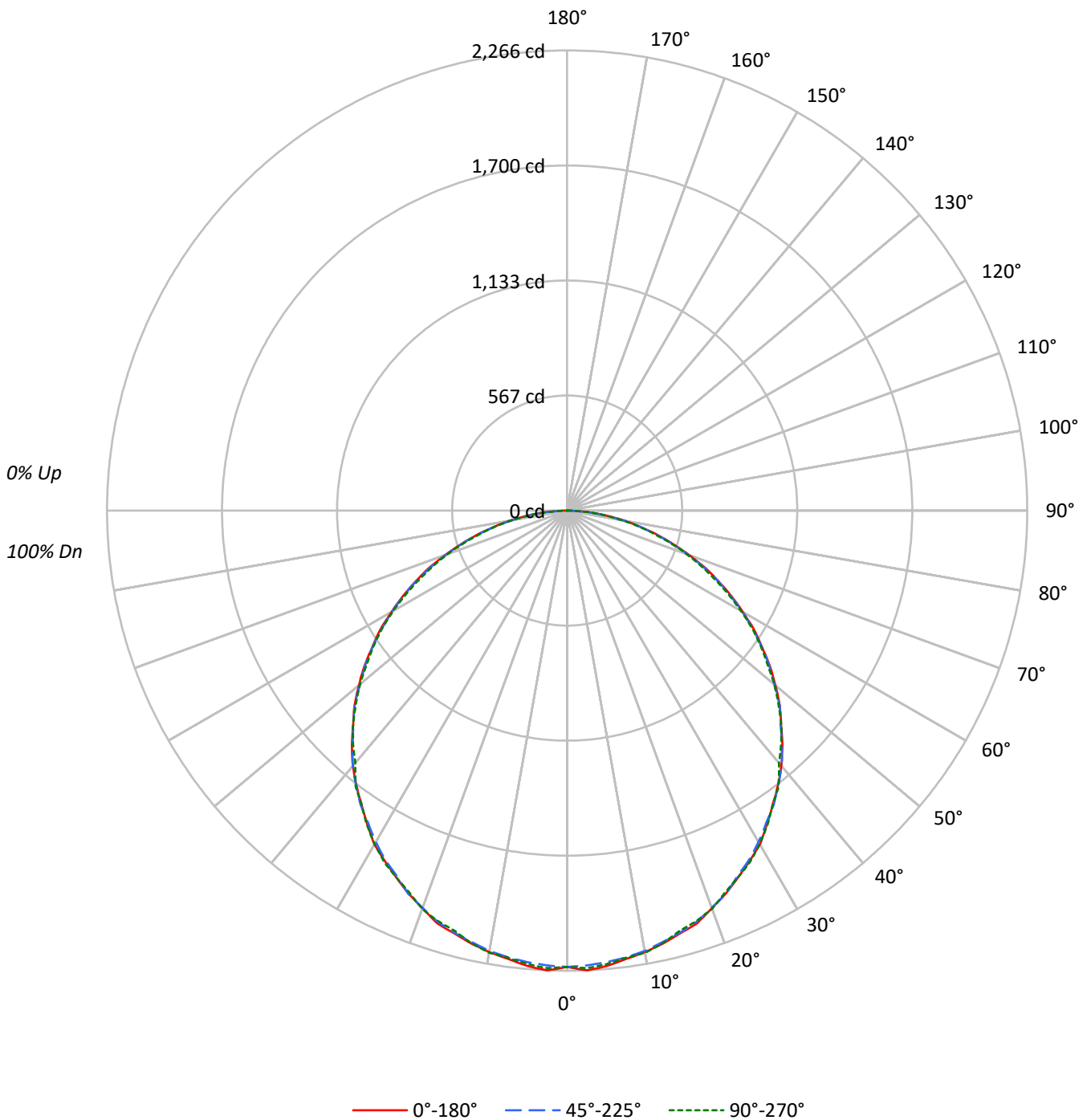
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6463.1 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 62.263001013174
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	97	94	97	94	91	93	90	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
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°	3024	3024	3024
5°	3040	3015	3028
10°	3016	3008	3021
15°	3002	2996	2983
20°	2983	2980	2988
25°	2958	2947	2958
30°	2949	2928	2946
35°	2900	2910	2900
40°	2882	2886	2849
45°	2835	2828	2839
50°	2803	2787	2787
55°	2747	2742	2729
60°	2688	2678	2658
65°	2615	2603	2555
70°	2511	2489	2459
75°	2386	2347	2307
80°	2225	2151	2122
85°	1953	1866	1837



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.3	3.3
10°-20°	606.6	9.4
20°-30°	918.7	14.2
30°-40°	1107.0	17.1
40°-50°	1151.1	17.8
50°-60°	1044.6	16.2
60°-70°	806.4	12.5
70°-80°	477.7	7.4
80°-90°	138.7	2.1
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°	1737.6	26.9
0°-40°	2844.6	44.0
0°-60°	5040.3	78.0
0°-90°	6463.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6463.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2247	2247	2247	2247	2247	
5°	2251	2240	2232	2227	2242	213
15°	2155	2145	2151	2147	2142	609
25°	1992	1994	1985	1987	1992	920
35°	1766	1768	1771	1770	1766	1108
45°	1490	1494	1486	1490	1492	1153
55°	1171	1175	1169	1167	1163	1049
65°	822	822	818	810	803	813
75°	459	455	451	448	444	484
85°	126	121	121	119	119	143
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2247.3	2247.3	2247.3	2247.3	2247.3
2.5°	2266.2	2237.9	2241.7	2234.1	2254.9
5°	2251.1	2239.8	2232.2	2226.6	2241.7
7.5°	2226.6	2217.1	2219.0	2217.1	2220.9
10°	2207.7	2207.7	2202.0	2196.3	2211.4
12.5°	2183.1	2183.1	2175.6	2169.9	2181.2
15°	2154.8	2145.3	2151.0	2147.2	2141.6
17.5°	2130.2	2118.9	2122.7	2105.7	2118.9
20°	2083.0	2079.2	2081.1	2071.7	2086.8
22.5°	2041.5	2047.1	2043.4	2039.6	2033.9
25°	1992.4	1994.3	1984.8	1986.7	1992.4
27.5°	1945.2	1950.8	1939.5	1939.5	1950.8
30°	1898.0	1890.4	1884.7	1896.1	1896.1
32.5°	1831.9	1824.3	1824.3	1830.0	1835.6
35°	1765.8	1767.6	1771.4	1769.5	1765.8
37.5°	1705.3	1701.5	1707.2	1707.2	1711.0
40°	1641.1	1644.9	1643.0	1635.5	1622.2
42.5°	1569.4	1573.1	1563.7	1573.1	1559.9
45°	1490.0	1493.8	1486.3	1490.0	1491.9
47.5°	1420.2	1416.4	1420.2	1414.5	1410.7
50°	1339.0	1337.1	1331.4	1331.4	1331.4
52.5°	1259.6	1254.0	1254.0	1254.0	1242.6
55°	1170.9	1174.7	1169.0	1167.1	1163.3
57.5°	1091.6	1084.0	1082.1	1082.1	1080.2
60°	999.0	997.1	995.2	991.5	987.7
62.5°	912.2	904.6	906.5	902.7	897.0
65°	821.5	821.5	817.7	810.2	802.6
67.5°	734.6	730.9	725.2	721.4	713.9
70°	638.3	636.4	632.7	628.9	625.1
72.5°	545.8	543.9	542.0	538.2	534.4
75°	458.9	455.1	451.4	447.6	443.8
77.5°	368.3	366.4	364.5	358.8	358.8
80°	287.1	281.4	277.6	275.7	273.8
82.5°	202.1	202.1	198.3	196.4	196.4
85°	126.5	120.9	120.9	119.0	119.0
87.5°	54.8	52.9	49.1	49.1	49.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)