

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: P314681

Luminaire Tested: **24FPSL2SCT3-3500K-HI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314681
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-285-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24FPSL2SCT3-3500K-HI
Description: 2X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6248.8 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

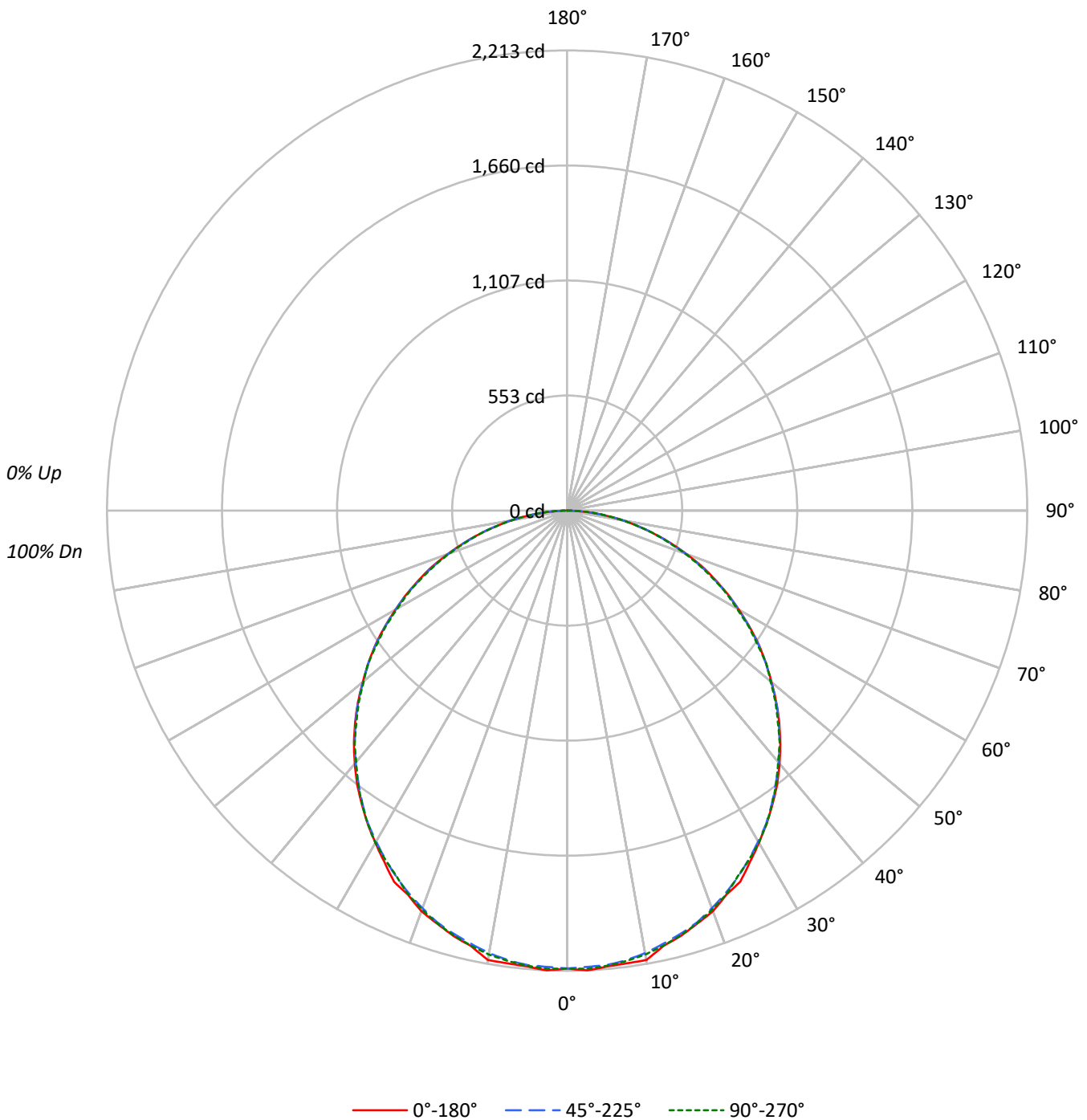
Input Watts (W): 60.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	64	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	62	56	52	49
5	76	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	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	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	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°	2963	2963	2963
5°	2972	2964	2968
10°	2998	2953	2961
15°	2949	2935	2944
20°	2936	2913	2922
25°	2924	2886	2881
30°	2865	2855	2865
35°	2829	2821	2824
40°	2791	2780	2772
45°	2743	2737	2725
50°	2686	2680	2673
55°	2643	2635	2613
60°	2562	2567	2537
65°	2497	2477	2472
70°	2400	2393	2369
75°	2273	2273	2265
80°	2136	2124	2099
85°	1883	1809	1859



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.1	3.3
10°-20°	594.5	9.5
20°-30°	895.4	14.3
30°-40°	1072.7	17.2
40°-50°	1107.7	17.7
50°-60°	1000.4	16.0
60°-70°	771.4	12.3
70°-80°	461.2	7.4
80°-90°	137.4	2.2
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°	1698.0	27.2
0°-40°	2770.7	44.3
0°-60°	4878.8	78.1
0°-90°	6248.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6248.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2202	2202	2202	2202	2202	
5°	2201	2183	2194	2186	2198	210
15°	2117	2104	2107	2099	2114	598
25°	1969	1939	1944	1939	1941	902
35°	1722	1710	1718	1713	1719	1078
45°	1442	1437	1439	1434	1432	1112
55°	1126	1117	1123	1115	1114	1004
65°	784	781	778	775	776	777
75°	437	436	437	432	436	463
85°	122	120	117	120	120	137
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2202.3	2202.3	2202.3	2202.3	2202.3
2.5°	2213.4	2194.4	2196.0	2189.7	2205.5
5°	2200.7	2183.3	2194.4	2186.5	2197.6
7.5°	2196.0	2167.5	2180.1	2167.5	2184.9
10°	2194.4	2154.8	2161.1	2154.8	2167.5
12.5°	2143.7	2134.2	2134.2	2131.0	2142.1
15°	2116.8	2104.1	2107.3	2099.3	2113.6
17.5°	2081.9	2070.8	2077.2	2067.7	2080.3
20°	2050.2	2029.6	2034.4	2024.9	2040.7
22.5°	1999.5	1988.4	1991.6	1986.9	1997.9
25°	1969.4	1939.3	1944.1	1939.3	1940.9
27.5°	1904.5	1882.3	1891.8	1888.6	1893.4
30°	1844.3	1833.2	1837.9	1828.4	1844.3
32.5°	1785.6	1766.6	1782.5	1773.0	1785.6
35°	1722.3	1709.6	1717.5	1712.7	1719.1
37.5°	1658.9	1644.6	1649.4	1646.2	1652.5
40°	1589.2	1582.8	1582.8	1579.7	1578.1
42.5°	1517.9	1505.2	1511.5	1505.2	1513.1
45°	1441.8	1437.1	1438.6	1433.9	1432.3
47.5°	1364.2	1359.4	1364.2	1359.4	1357.8
50°	1283.4	1280.2	1280.2	1277.0	1277.0
52.5°	1204.2	1201.0	1204.2	1196.2	1205.7
55°	1126.5	1117.0	1123.3	1115.4	1113.8
57.5°	1039.4	1039.4	1037.8	1034.6	1033.0
60°	952.2	953.8	953.8	949.1	942.7
62.5°	871.4	863.5	866.7	861.9	863.5
65°	784.3	781.1	777.9	774.8	776.4
67.5°	701.9	697.1	692.4	694.0	687.6
70°	610.0	608.4	608.4	606.8	602.1
72.5°	522.9	521.3	519.7	519.7	513.3
75°	437.3	435.7	437.3	432.5	435.7
77.5°	351.7	354.9	354.9	351.7	351.7
80°	275.7	274.1	274.1	270.9	270.9
82.5°	194.9	193.3	194.9	191.7	196.5
85°	122.0	120.4	117.2	120.4	120.4
87.5°	50.7	50.7	53.9	58.6	60.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)