

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: P314684

Luminaire Tested: **24FPSL2SCT3-4000K-HI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314684
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: 24FPSL2SCT3-4000K-HI
Description: 2X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6441.2 lumens
Efficiency: N/A
Efficacy: 106.5 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

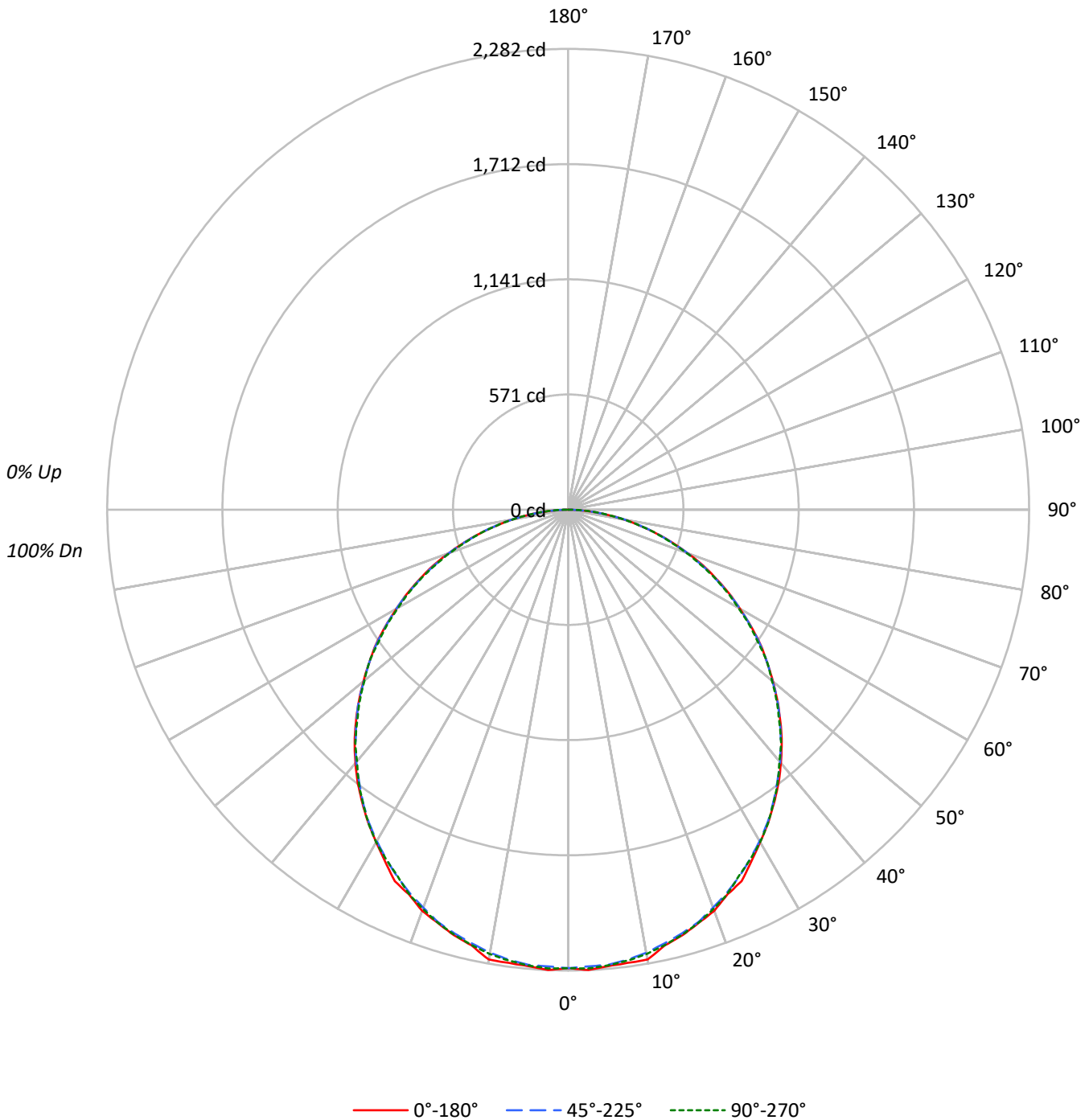
Input Watts (W): 60.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P314684

CATALOG NUMBER: 24FPSL2SCT3-4000K-HI

Luminous Intensity Polar Plot





TEST NUMBER: P314684

CATALOG NUMBER: 24FPSL2SCT3-4000K-HI

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°	3054	3054	3054
5°	3064	3055	3059
10°	3090	3044	3052
15°	3039	3026	3035
20°	3026	3003	3012
25°	3014	2975	2970
30°	2953	2943	2953
35°	2916	2908	2911
40°	2877	2866	2857
45°	2828	2822	2809
50°	2769	2762	2756
55°	2724	2716	2693
60°	2641	2646	2615
65°	2574	2553	2548
70°	2474	2467	2441
75°	2344	2344	2335
80°	2202	2189	2164
85°	1942	1866	1916



TEST NUMBER: P314684

CATALOG NUMBER: 24FPSL2SCT3-4000K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.5	3.3
10°-20°	612.8	9.5
20°-30°	922.9	14.3
30°-40°	1105.7	17.2
40°-50°	1141.8	17.7
50°-60°	1031.2	16.0
60°-70°	795.1	12.3
70°-80°	475.4	7.4
80°-90°	141.6	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°	1750.3	27.2
0°-40°	2856.0	44.3
0°-60°	5029.0	78.1
0°-90°	6441.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6441.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2270	2270	2270	2270	2270	
5°	2268	2250	2262	2254	2265	216
15°	2182	2169	2172	2164	2179	616
25°	2030	1999	2004	1999	2001	930
35°	1775	1762	1770	1766	1772	1111
45°	1486	1481	1483	1478	1476	1146
55°	1161	1151	1158	1150	1148	1035
65°	808	805	802	799	800	801
75°	451	449	451	446	449	477
85°	126	124	121	124	124	142
90°	0	0	0	0	0	



TEST NUMBER: P314684

CATALOG NUMBER: 24FPSL2SCT3-4000K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2270.1	2270.1	2270.1	2270.1	2270.1
2.5°	2281.6	2262.0	2263.6	2257.1	2273.4
5°	2268.5	2250.5	2262.0	2253.8	2265.2
7.5°	2263.6	2234.2	2247.3	2234.2	2252.2
10°	2262.0	2221.1	2227.7	2221.1	2234.2
12.5°	2209.7	2199.9	2199.9	2196.6	2208.1
15°	2181.9	2168.9	2172.1	2164.0	2178.7
17.5°	2146.0	2134.6	2141.1	2131.3	2144.4
20°	2113.4	2092.1	2097.0	2087.2	2103.6
22.5°	2061.1	2049.7	2052.9	2048.0	2059.5
25°	2030.1	1999.0	2003.9	1999.0	2000.7
27.5°	1963.1	1940.2	1950.0	1946.8	1951.7
30°	1901.0	1889.6	1894.5	1884.7	1901.0
32.5°	1840.6	1821.0	1837.3	1827.5	1840.6
35°	1775.3	1762.2	1770.4	1765.5	1772.0
37.5°	1710.0	1695.3	1700.2	1696.9	1703.4
40°	1638.1	1631.6	1631.6	1628.3	1626.7
42.5°	1564.6	1551.5	1558.1	1551.5	1559.7
45°	1486.2	1481.3	1482.9	1478.0	1476.4
47.5°	1406.2	1401.3	1406.2	1401.3	1399.6
50°	1322.9	1319.6	1319.6	1316.4	1316.4
52.5°	1241.2	1238.0	1241.2	1233.1	1242.9
55°	1161.2	1151.4	1157.9	1149.8	1148.1
57.5°	1071.4	1071.4	1069.7	1066.5	1064.8
60°	981.5	983.2	983.2	978.3	971.8
62.5°	898.3	890.1	893.4	888.5	890.1
65°	808.4	805.2	801.9	798.6	800.3
67.5°	723.5	718.6	713.7	715.3	708.8
70°	628.8	627.1	627.1	625.5	620.6
72.5°	539.0	537.3	535.7	535.7	529.2
75°	450.8	449.1	450.8	445.9	449.1
77.5°	362.6	365.8	365.8	362.6	362.6
80°	284.2	282.5	282.5	279.3	279.3
82.5°	200.9	199.2	200.9	197.6	202.5
85°	125.8	124.1	120.9	124.1	124.1
87.5°	52.3	52.3	55.5	60.4	62.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)