

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: P314677

Luminaire Tested: **24FPSL2SCT3-3000K-MID**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P314677  
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: 24FPSL2SCT3-3000K-MID  
Description: 2X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4504.4 lumens  
Efficiency: N/A  
Efficacy: 108.5 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

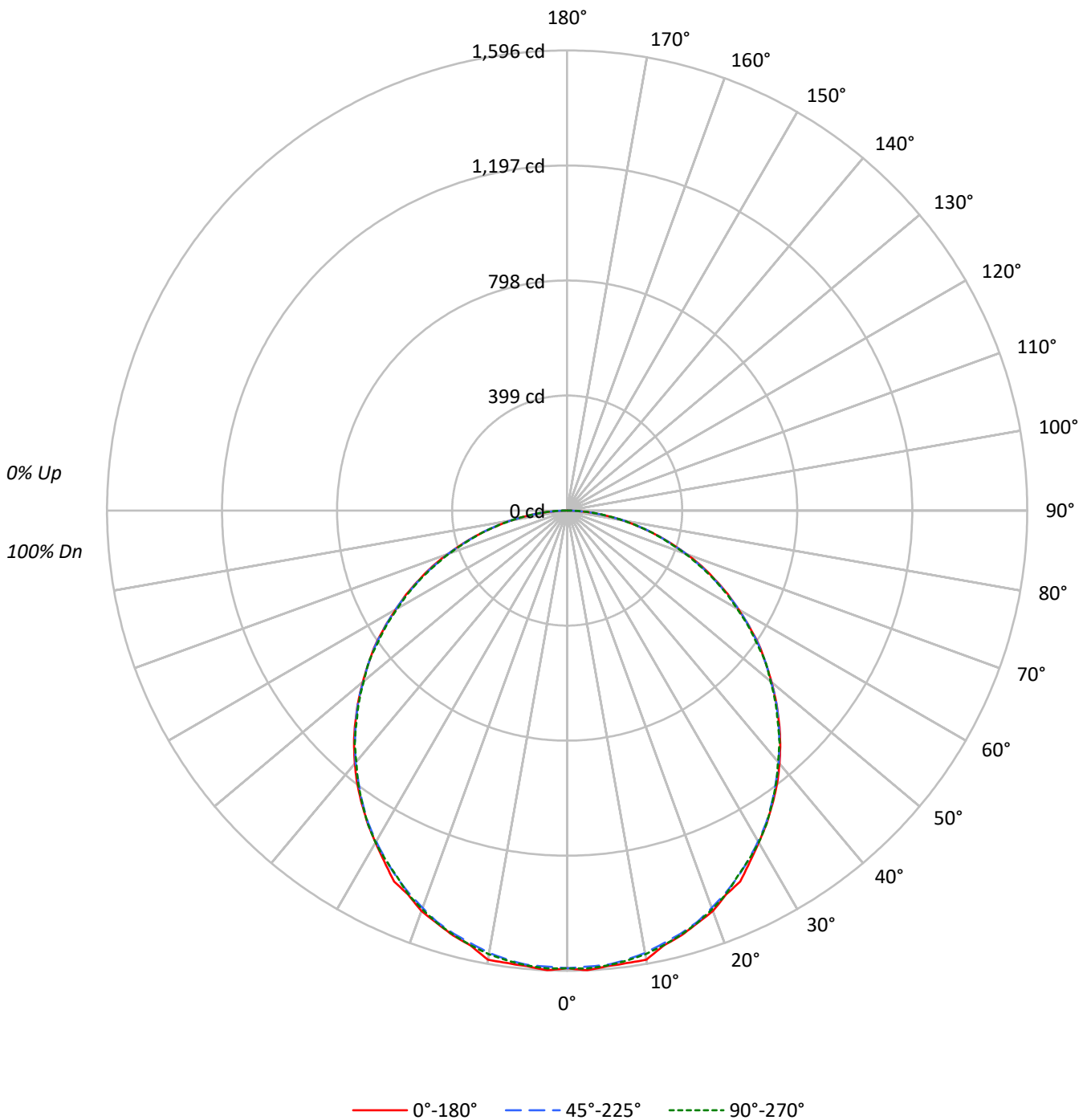
Input Watts (W): 41.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P314677

CATALOG NUMBER: 24FPSL2SCT3-3000K-MID

### Luminous Intensity Polar Plot





TEST NUMBER: P314677

CATALOG NUMBER: 24FPSL2SCT3-3000K-MID

**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°	2136	2136	2136
5°	2143	2136	2140
10°	2161	2128	2135
15°	2126	2116	2122
20°	2116	2100	2106
25°	2108	2080	2077
30°	2065	2058	2065
35°	2039	2033	2035
40°	2012	2004	1998
45°	1978	1973	1965
50°	1936	1932	1927
55°	1905	1900	1883
60°	1847	1850	1829
65°	1800	1785	1782
70°	1730	1725	1707
75°	1639	1639	1633
80°	1540	1531	1513
85°	1357	1304	1340



TEST NUMBER: P314677

CATALOG NUMBER: 24FPSL2SCT3-3000K-MID

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.0	3.3
10°-20°	428.5	9.5
20°-30°	645.4	14.3
30°-40°	773.2	17.2
40°-50°	798.5	17.7
50°-60°	721.1	16.0
60°-70°	556.1	12.3
70°-80°	332.5	7.4
80°-90°	99.0	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°	1224.0	27.2
0°-40°	1997.2	44.3
0°-60°	3516.8	78.1
0°-90°	4504.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4504.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1588	1588	1588	1588	1588	
5°	1586	1574	1582	1576	1584	151
15°	1526	1517	1519	1513	1524	431
25°	1420	1398	1401	1398	1399	650
35°	1242	1232	1238	1235	1239	777
45°	1039	1036	1037	1034	1032	802
55°	812	805	810	804	803	724
65°	565	563	561	558	560	560
75°	315	314	315	312	314	334
85°	88	87	84	87	87	99
90°	0	0	0	0	0	



TEST NUMBER: P314677

CATALOG NUMBER: 24FPSL2SCT3-3000K-MID

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1587.5	1587.5	1587.5	1587.5	1587.5
2.5°	1595.5	1581.8	1583.0	1578.4	1589.8
5°	1586.4	1573.8	1581.8	1576.1	1584.1
7.5°	1583.0	1562.4	1571.5	1562.4	1575.0
10°	1581.8	1553.3	1557.8	1553.3	1562.4
12.5°	1545.3	1538.4	1538.4	1536.1	1544.1
15°	1525.9	1516.7	1519.0	1513.3	1523.6
17.5°	1500.7	1492.7	1497.3	1490.5	1499.6
20°	1477.9	1463.0	1466.5	1459.6	1471.0
22.5°	1441.3	1433.3	1435.6	1432.2	1440.2
25°	1419.6	1397.9	1401.4	1397.9	1399.1
27.5°	1372.8	1356.8	1363.7	1361.4	1364.8
30°	1329.4	1321.4	1324.8	1318.0	1329.4
32.5°	1287.2	1273.5	1284.9	1278.0	1287.2
35°	1241.5	1232.3	1238.0	1234.6	1239.2
37.5°	1195.8	1185.5	1188.9	1186.7	1191.2
40°	1145.5	1141.0	1141.0	1138.7	1137.5
42.5°	1094.1	1085.0	1089.6	1085.0	1090.7
45°	1039.3	1035.9	1037.0	1033.6	1032.5
47.5°	983.4	979.9	983.4	979.9	978.8
50°	925.1	922.8	922.8	920.5	920.5
52.5°	868.0	865.7	868.0	862.3	869.1
55°	812.0	805.2	809.8	804.0	802.9
57.5°	749.2	749.2	748.1	745.8	744.7
60°	686.4	687.6	687.6	684.1	679.6
62.5°	628.2	622.5	624.7	621.3	622.5
65°	565.3	563.1	560.8	558.5	559.6
67.5°	506.0	502.5	499.1	500.2	495.7
70°	439.7	438.6	438.6	437.4	434.0
72.5°	376.9	375.8	374.6	374.6	370.0
75°	315.2	314.1	315.2	311.8	314.1
77.5°	253.5	255.8	255.8	253.5	253.5
80°	198.7	197.6	197.6	195.3	195.3
82.5°	140.5	139.3	140.5	138.2	141.6
85°	87.9	86.8	84.5	86.8	86.8
87.5°	36.5	36.5	38.8	42.3	43.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)