

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: P314683

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P314683  
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-MID  
Description: 2X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4795.2 lumens  
Efficiency: N/A  
Efficacy: 115.5 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

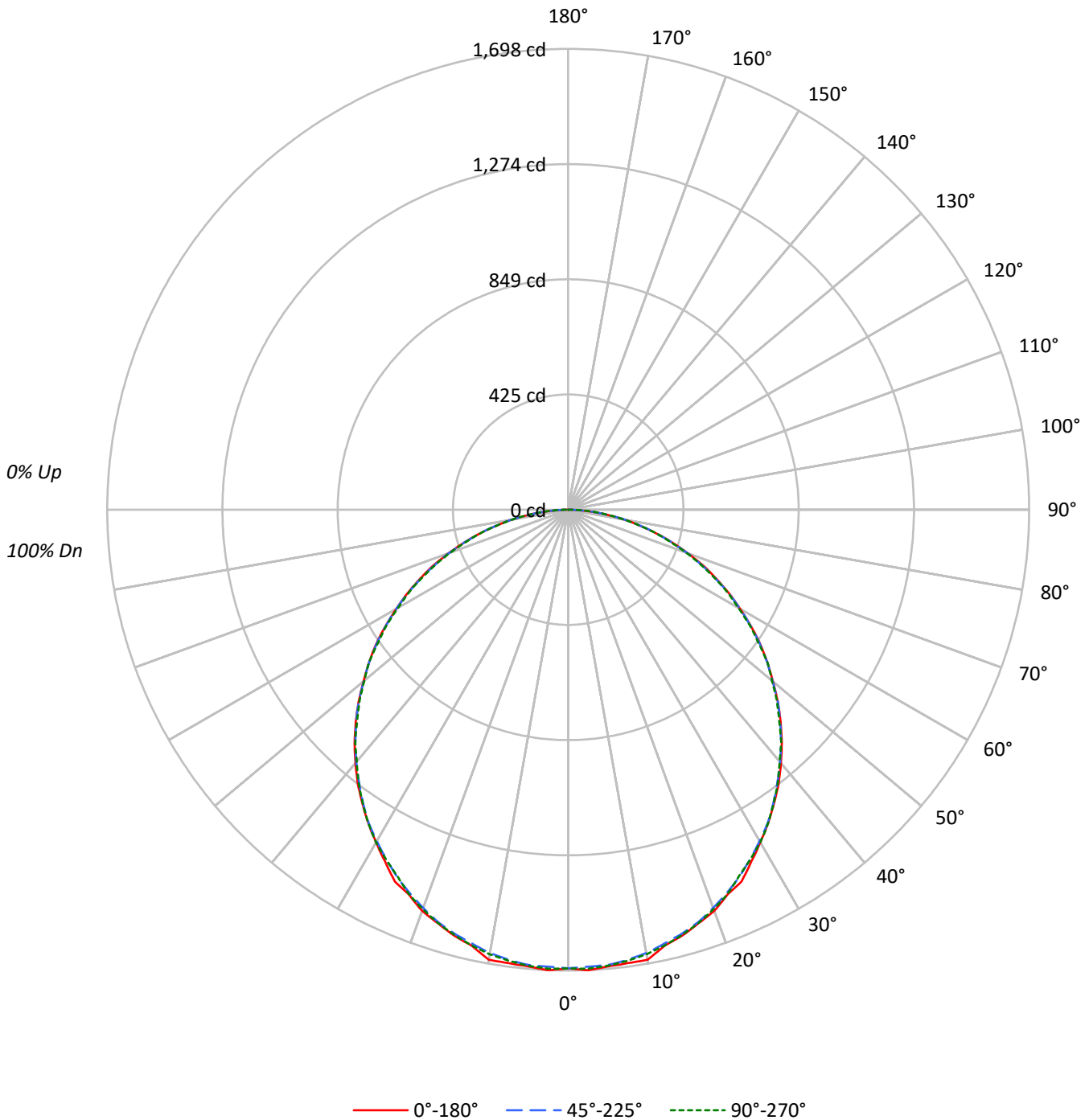
Input Watts (W): 41.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	90	88	90	87	85	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	76	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	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	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°	2274	2274	2274
5°	2281	2274	2278
10°	2301	2266	2272
15°	2263	2253	2259
20°	2253	2235	2242
25°	2244	2215	2211
30°	2199	2191	2199
35°	2171	2165	2167
40°	2142	2133	2127
45°	2105	2101	2091
50°	2061	2056	2051
55°	2028	2022	2005
60°	1966	1970	1947
65°	1916	1901	1897
70°	1841	1837	1817
75°	1745	1745	1738
80°	1640	1629	1611
85°	1445	1389	1426



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.7	3.3
10°-20°	456.2	9.5
20°-30°	687.1	14.3
30°-40°	823.2	17.2
40°-50°	850.1	17.7
50°-60°	767.7	16.0
60°-70°	591.9	12.3
70°-80°	353.9	7.4
80°-90°	105.4	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°	1303.0	27.2
0°-40°	2126.2	44.3
0°-60°	3743.9	78.1
0°-90°	4795.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4795.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1690	1690	1690	1690	1690	
5°	1689	1675	1684	1678	1686	161
15°	1624	1615	1617	1611	1622	459
25°	1511	1488	1492	1488	1489	692
35°	1322	1312	1318	1314	1319	827
45°	1106	1103	1104	1100	1099	853
55°	864	857	862	856	855	770
65°	602	599	597	594	596	596
75°	336	334	336	332	334	355
85°	94	92	90	92	92	105
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1690.0	1690.0	1690.0	1690.0	1690.0
2.5°	1698.5	1683.9	1685.2	1680.3	1692.5
5°	1688.8	1675.4	1683.9	1677.9	1686.4
7.5°	1685.2	1663.3	1673.0	1663.3	1676.6
10°	1683.9	1653.5	1658.4	1653.5	1663.3
12.5°	1645.0	1637.7	1637.7	1635.3	1643.8
15°	1624.4	1614.6	1617.1	1611.0	1621.9
17.5°	1597.6	1589.1	1594.0	1586.7	1596.4
20°	1573.3	1557.5	1561.1	1553.8	1566.0
22.5°	1534.4	1525.9	1528.3	1524.7	1533.2
25°	1511.3	1488.2	1491.8	1488.2	1489.4
27.5°	1461.4	1444.4	1451.7	1449.3	1452.9
30°	1415.2	1406.7	1410.4	1403.1	1415.2
32.5°	1370.3	1355.7	1367.8	1360.5	1370.3
35°	1321.6	1311.9	1318.0	1314.3	1319.2
37.5°	1273.0	1262.0	1265.7	1263.3	1268.1
40°	1219.5	1214.6	1214.6	1212.2	1211.0
42.5°	1164.8	1155.1	1159.9	1155.1	1161.1
45°	1106.4	1102.8	1104.0	1100.3	1099.1
47.5°	1046.8	1043.2	1046.8	1043.2	1042.0
50°	984.8	982.4	982.4	980.0	980.0
52.5°	924.0	921.6	924.0	918.0	925.3
55°	864.5	857.2	862.0	856.0	854.7
57.5°	797.6	797.6	796.4	793.9	792.7
60°	730.7	731.9	731.9	728.3	723.4
62.5°	668.7	662.6	665.1	661.4	662.6
65°	601.8	599.4	597.0	594.5	595.8
67.5°	538.6	535.0	531.3	532.5	527.7
70°	468.1	466.9	466.9	465.7	462.0
72.5°	401.2	400.0	398.8	398.8	393.9
75°	335.6	334.4	335.6	331.9	334.4
77.5°	269.9	272.3	272.3	269.9	269.9
80°	211.6	210.3	210.3	207.9	207.9
82.5°	149.5	148.3	149.5	147.1	150.8
85°	93.6	92.4	90.0	92.4	92.4
87.5°	38.9	38.9	41.3	45.0	46.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)