

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: P314676

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P314676  
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-LOW  
Description: 2X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3429.7 lumens  
Efficiency: N/A  
Efficacy: 113.6 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

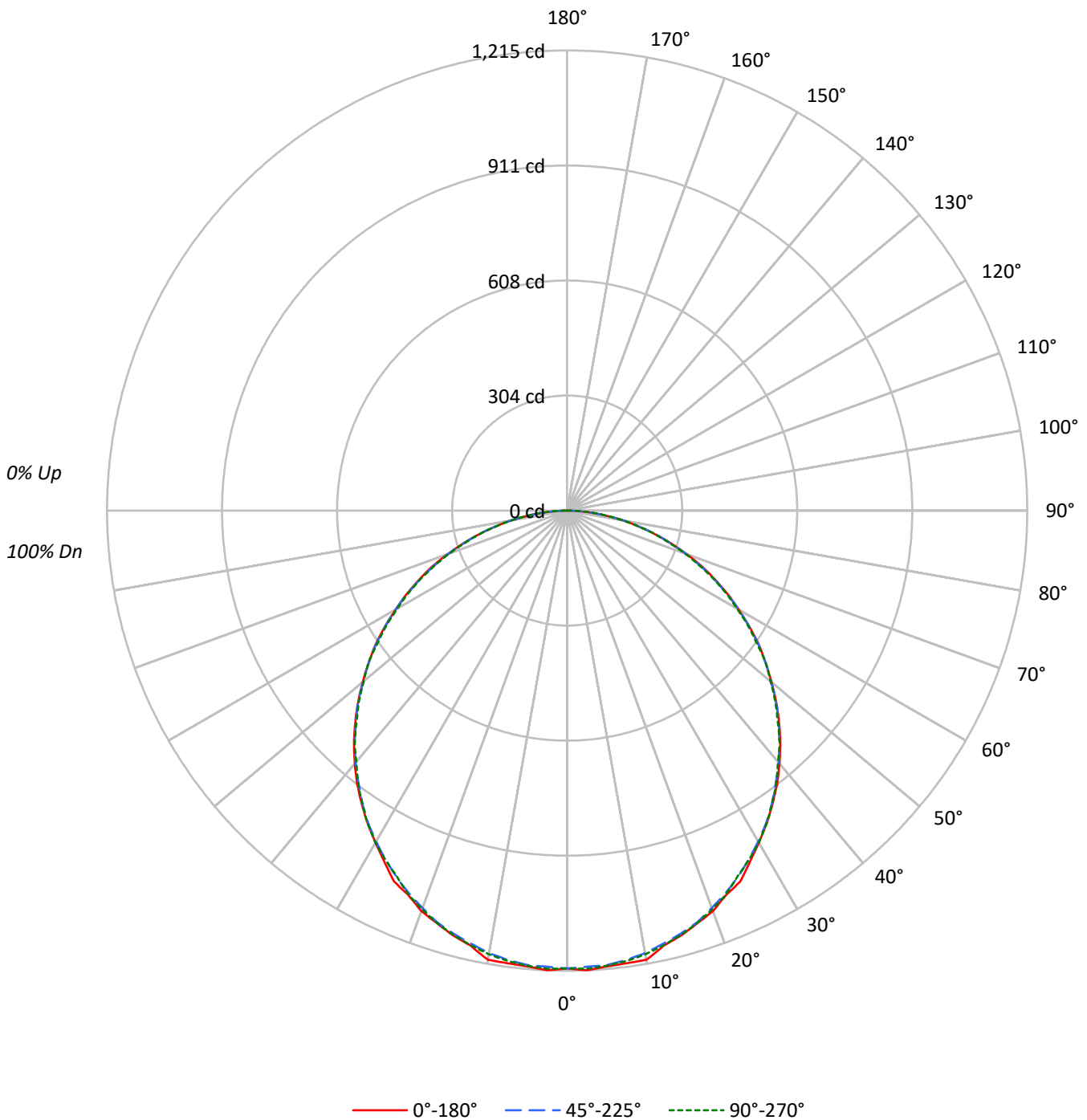
Input Watts (W): 30.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1626	1626	1626
5°	1631	1627	1629
10°	1646	1621	1625
15°	1618	1611	1616
20°	1611	1599	1604
25°	1605	1584	1582
30°	1573	1567	1573
35°	1553	1548	1550
40°	1532	1526	1521
45°	1506	1502	1496
50°	1474	1471	1467
55°	1450	1446	1434
60°	1406	1409	1392
65°	1371	1359	1357
70°	1317	1314	1300
75°	1248	1248	1243
80°	1172	1165	1152
85°	1034	994	1020



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.2	3.3
10°-20°	326.3	9.5
20°-30°	491.4	14.3
30°-40°	588.8	17.2
40°-50°	608.0	17.7
50°-60°	549.1	16.0
60°-70°	423.4	12.3
70°-80°	253.1	7.4
80°-90°	75.4	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°	932.0	27.2
0°-40°	1520.7	44.3
0°-60°	2677.8	78.1
0°-90°	3429.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3429.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1209	1209	1209	1209	1209	
5°	1208	1198	1204	1200	1206	115
15°	1162	1155	1157	1152	1160	328
25°	1081	1064	1067	1064	1065	495
35°	945	938	943	940	944	592
45°	791	789	790	787	786	610
55°	618	613	617	612	611	551
65°	430	429	427	425	426	426
75°	240	239	240	237	239	254
85°	67	66	64	66	66	75
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1208.8	1208.8	1208.8	1208.8	1208.8
2.5°	1214.9	1204.4	1205.3	1201.8	1210.5
5°	1207.9	1198.3	1204.4	1200.1	1206.2
7.5°	1205.3	1189.6	1196.6	1189.6	1199.2
10°	1204.4	1182.7	1186.2	1182.7	1189.6
12.5°	1176.6	1171.4	1171.4	1169.6	1175.7
15°	1161.8	1154.8	1156.6	1152.2	1160.1
17.5°	1142.7	1136.6	1140.1	1134.8	1141.8
20°	1125.3	1114.0	1116.6	1111.4	1120.1
22.5°	1097.5	1091.4	1093.1	1090.5	1096.6
25°	1080.9	1064.4	1067.0	1064.4	1065.3
27.5°	1045.3	1033.1	1038.3	1036.6	1039.2
30°	1012.2	1006.1	1008.8	1003.5	1012.2
32.5°	980.1	969.6	978.3	973.1	980.1
35°	945.3	938.3	942.7	940.1	943.5
37.5°	910.5	902.7	905.3	903.5	907.0
40°	872.2	868.7	868.7	867.0	866.1
42.5°	833.1	826.1	829.6	826.1	830.5
45°	791.4	788.7	789.6	787.0	786.1
47.5°	748.7	746.1	748.7	746.1	745.3
50°	704.4	702.6	702.6	700.9	700.9
52.5°	660.9	659.2	660.9	656.6	661.8
55°	618.3	613.1	616.6	612.2	611.3
57.5°	570.5	570.5	569.6	567.9	567.0
60°	522.6	523.5	523.5	520.9	517.4
62.5°	478.3	473.9	475.7	473.1	473.9
65°	430.5	428.7	427.0	425.2	426.1
67.5°	385.2	382.6	380.0	380.9	377.4
70°	334.8	333.9	333.9	333.1	330.5
72.5°	287.0	286.1	285.2	285.2	281.8
75°	240.0	239.1	240.0	237.4	239.1
77.5°	193.1	194.8	194.8	193.1	193.1
80°	151.3	150.4	150.4	148.7	148.7
82.5°	107.0	106.1	107.0	105.2	107.8
85°	67.0	66.1	64.4	66.1	66.1
87.5°	27.8	27.8	29.6	32.2	33.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)