

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: P314693

Luminaire Tested: **14FPSL2SCT3-4000K-HI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P314693  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-285-26)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14FPSL2SCT3-4000K-HI  
Description: 1X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4006.7 lumens  
Efficiency: N/A  
Efficacy: 110.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.37  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

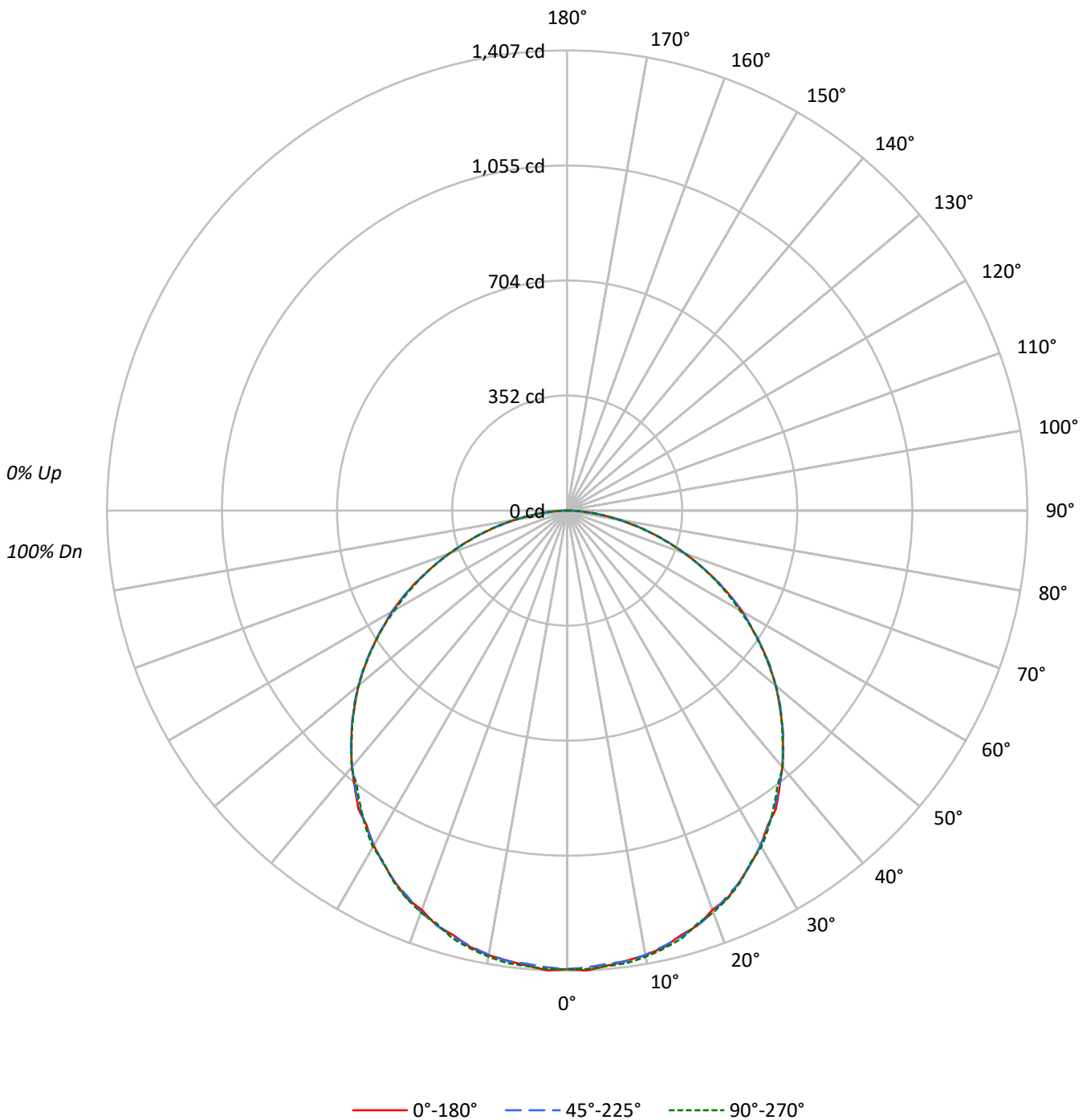
Input Watts (W): 36.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38
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	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	39	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3772	3772	3772
5°	3773	3757	3776
10°	3771	3768	3785
15°	3745	3756	3772
20°	3721	3741	3744
25°	3710	3716	3722
30°	3675	3672	3691
35°	3657	3634	3621
40°	3595	3592	3602
45°	3543	3543	3535
50°	3489	3485	3485
55°	3405	3405	3396
60°	3333	3322	3279
65°	3195	3182	3163
70°	3016	3016	3000
75°	2795	2805	2795
80°	2469	2500	2531
85°	1998	2121	2059



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.9	3.3
10°-20°	381.0	9.5
20°-30°	575.9	14.4
30°-40°	692.6	17.3
40°-50°	718.2	17.9
50°-60°	648.9	16.2
60°-70°	494.7	12.3
70°-80°	284.4	7.1
80°-90°	78.0	1.9
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°	1089.8	27.2
0°-40°	1782.4	44.5
0°-60°	3149.5	78.6
0°-90°	4006.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4006.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1402	1402	1402	1402	1402	
5°	1397	1396	1391	1399	1398	133
15°	1344	1350	1348	1352	1354	380
25°	1250	1250	1252	1247	1254	576
35°	1113	1113	1106	1108	1102	693
45°	931	933	931	930	929	717
55°	726	729	726	725	724	649
65°	502	501	500	498	497	496
75°	269	268	270	269	269	283
85°	65	67	69	67	67	76
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1401.9	1401.9	1401.9	1401.9	1401.9
2.5°	1406.9	1405.9	1397.9	1402.9	1402.9
5°	1396.9	1395.9	1390.9	1398.9	1397.9
7.5°	1387.9	1389.9	1389.9	1393.9	1395.9
10°	1380.0	1384.0	1379.0	1387.0	1385.0
12.5°	1367.0	1368.0	1364.1	1367.0	1371.0
15°	1344.1	1350.1	1348.1	1352.1	1354.1
17.5°	1329.2	1329.2	1329.2	1335.2	1324.2
20°	1299.3	1307.3	1306.3	1307.3	1307.3
22.5°	1282.4	1275.4	1276.4	1284.4	1283.4
25°	1249.6	1249.6	1251.5	1246.6	1253.5
27.5°	1216.7	1217.7	1216.7	1217.7	1213.7
30°	1182.8	1182.8	1181.8	1183.8	1187.8
32.5°	1141.0	1150.0	1144.0	1146.0	1147.0
35°	1113.1	1113.1	1106.2	1108.2	1102.2
37.5°	1066.4	1065.4	1065.4	1066.4	1057.4
40°	1023.5	1022.5	1022.5	1021.5	1025.5
42.5°	976.7	978.7	978.7	978.7	975.7
45°	930.9	932.9	930.9	929.9	928.9
47.5°	880.2	884.1	884.1	883.1	882.2
50°	833.4	836.4	832.4	829.4	832.4
52.5°	778.6	782.6	782.6	776.6	778.6
55°	725.8	728.8	725.8	724.8	723.8
57.5°	669.1	674.1	672.1	670.1	669.1
60°	619.3	619.3	617.3	610.3	609.3
62.5°	560.6	562.5	560.6	555.6	553.6
65°	501.8	500.8	499.8	497.8	496.8
67.5°	440.1	445.1	441.1	441.1	441.1
70°	383.3	385.3	383.3	381.3	381.3
72.5°	324.6	325.6	324.6	322.6	322.6
75°	268.8	267.8	269.8	268.8	268.8
77.5°	210.1	215.1	214.1	212.1	215.1
80°	159.3	160.3	161.3	162.3	163.3
82.5°	110.5	111.5	113.5	113.5	111.5
85°	64.7	66.7	68.7	66.7	66.7
87.5°	25.9	26.9	25.9	27.9	27.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)