

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: P314692

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P314692  
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-MID  
Description: 1X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3257.9 lumens  
Efficiency: N/A  
Efficacy: 115.5 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

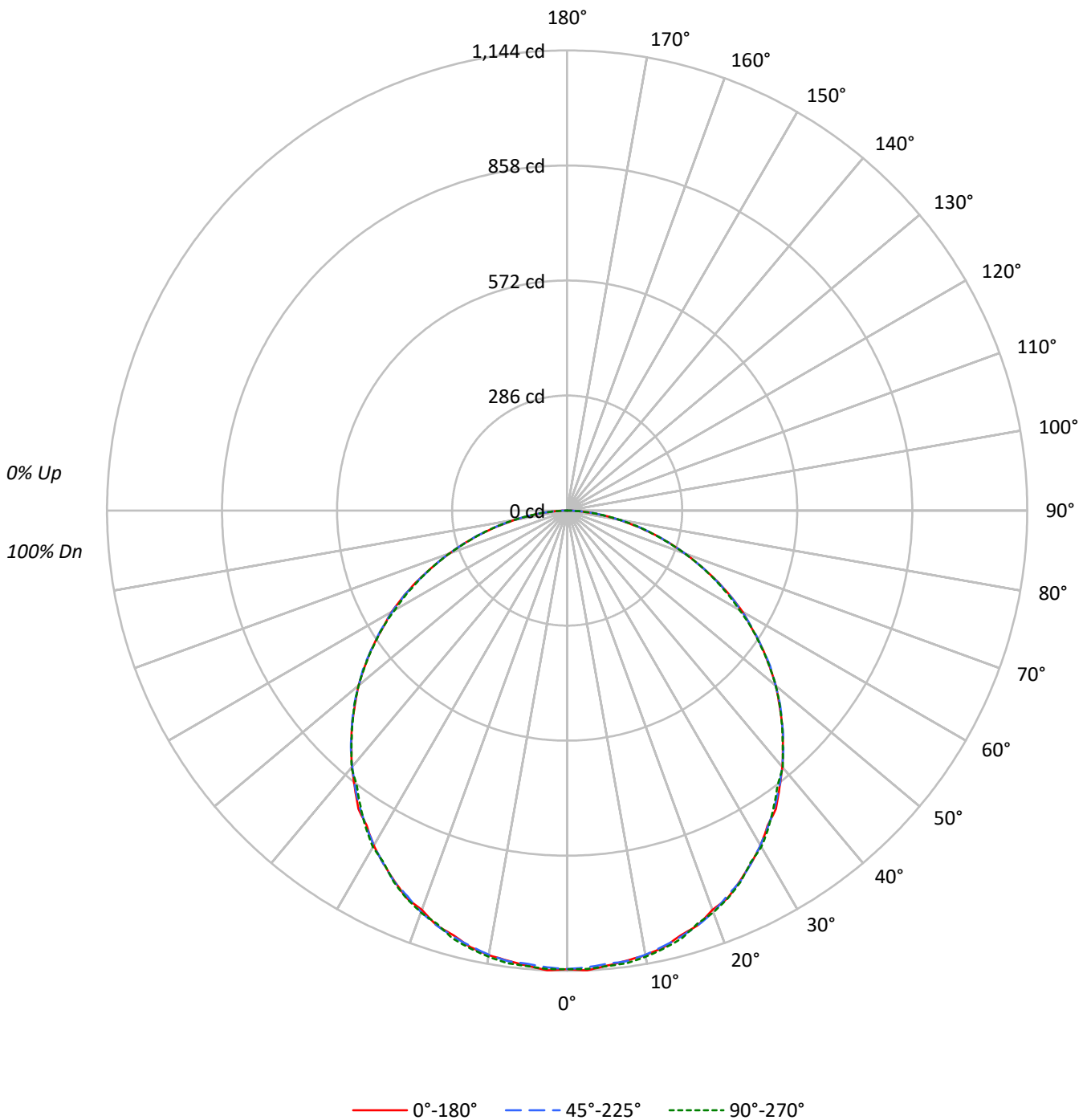
Input Watts (W): 28.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3067	3067	3067
5°	3068	3055	3070
10°	3066	3064	3077
15°	3045	3054	3067
20°	3025	3042	3044
25°	3017	3021	3026
30°	2989	2986	3001
35°	2973	2955	2944
40°	2923	2921	2929
45°	2880	2880	2874
50°	2837	2833	2833
55°	2769	2769	2761
60°	2710	2701	2667
65°	2598	2588	2572
70°	2452	2452	2440
75°	2273	2281	2273
80°	2007	2033	2058
85°	1624	1726	1673



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.1	3.3
10°-20°	309.8	9.5
20°-30°	468.3	14.4
30°-40°	563.2	17.3
40°-50°	584.0	17.9
50°-60°	527.6	16.2
60°-70°	402.3	12.3
70°-80°	231.2	7.1
80°-90°	63.4	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°	886.1	27.2
0°-40°	1449.3	44.5
0°-60°	2560.9	78.6
0°-90°	3257.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3257.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1140	1140	1140	1140	1140	
5°	1136	1135	1131	1137	1137	108
15°	1093	1098	1096	1099	1101	309
25°	1016	1016	1018	1014	1019	468
35°	905	905	899	901	896	563
45°	757	759	757	756	755	583
55°	590	593	590	589	589	527
65°	408	407	406	405	404	403
75°	219	218	219	219	219	230
85°	53	54	56	54	54	62
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1139.9	1139.9	1139.9	1139.9	1139.9
2.5°	1143.9	1143.1	1136.6	1140.7	1140.7
5°	1135.8	1135.0	1131.0	1137.4	1136.6
7.5°	1128.5	1130.2	1130.2	1133.4	1135.0
10°	1122.1	1125.3	1121.3	1127.7	1126.1
12.5°	1111.5	1112.4	1109.1	1111.5	1114.8
15°	1092.9	1097.8	1096.2	1099.4	1101.0
17.5°	1080.8	1080.8	1080.8	1085.6	1076.7
20°	1056.5	1063.0	1062.2	1063.0	1063.0
22.5°	1042.7	1037.1	1037.9	1044.3	1043.5
25°	1016.0	1016.0	1017.6	1013.6	1019.3
27.5°	989.3	990.1	989.3	990.1	986.9
30°	961.8	961.8	961.0	962.6	965.8
32.5°	927.8	935.1	930.2	931.8	932.6
35°	905.1	905.1	899.4	901.1	896.2
37.5°	867.1	866.2	866.2	867.1	859.8
40°	832.2	831.4	831.4	830.6	833.9
42.5°	794.2	795.8	795.8	795.8	793.4
45°	756.9	758.6	756.9	756.1	755.3
47.5°	715.7	718.9	718.9	718.1	717.3
50°	677.6	680.0	676.8	674.4	676.8
52.5°	633.1	636.3	636.3	631.5	633.1
55°	590.2	592.6	590.2	589.4	588.6
57.5°	544.0	548.1	546.5	544.8	544.0
60°	503.6	503.6	501.9	496.3	495.5
62.5°	455.8	457.4	455.8	451.7	450.1
65°	408.0	407.2	406.4	404.8	404.0
67.5°	357.8	361.9	358.6	358.6	358.6
70°	311.7	313.3	311.7	310.1	310.1
72.5°	263.9	264.7	263.9	262.3	262.3
75°	218.6	217.8	219.4	218.6	218.6
77.5°	170.8	174.9	174.1	172.4	174.9
80°	129.5	130.3	131.2	132.0	132.8
82.5°	89.9	90.7	92.3	92.3	90.7
85°	52.6	54.2	55.9	54.2	54.2
87.5°	21.0	21.9	21.0	22.7	22.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)