

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: P314686

Luminaire Tested: **14FPSL2SCT3-3000K-MID**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P314686  
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: 14FPSL2SCT3-3000K-MID  
Description: 1X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3056.2 lumens  
Efficiency: N/A  
Efficacy: 108.4 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

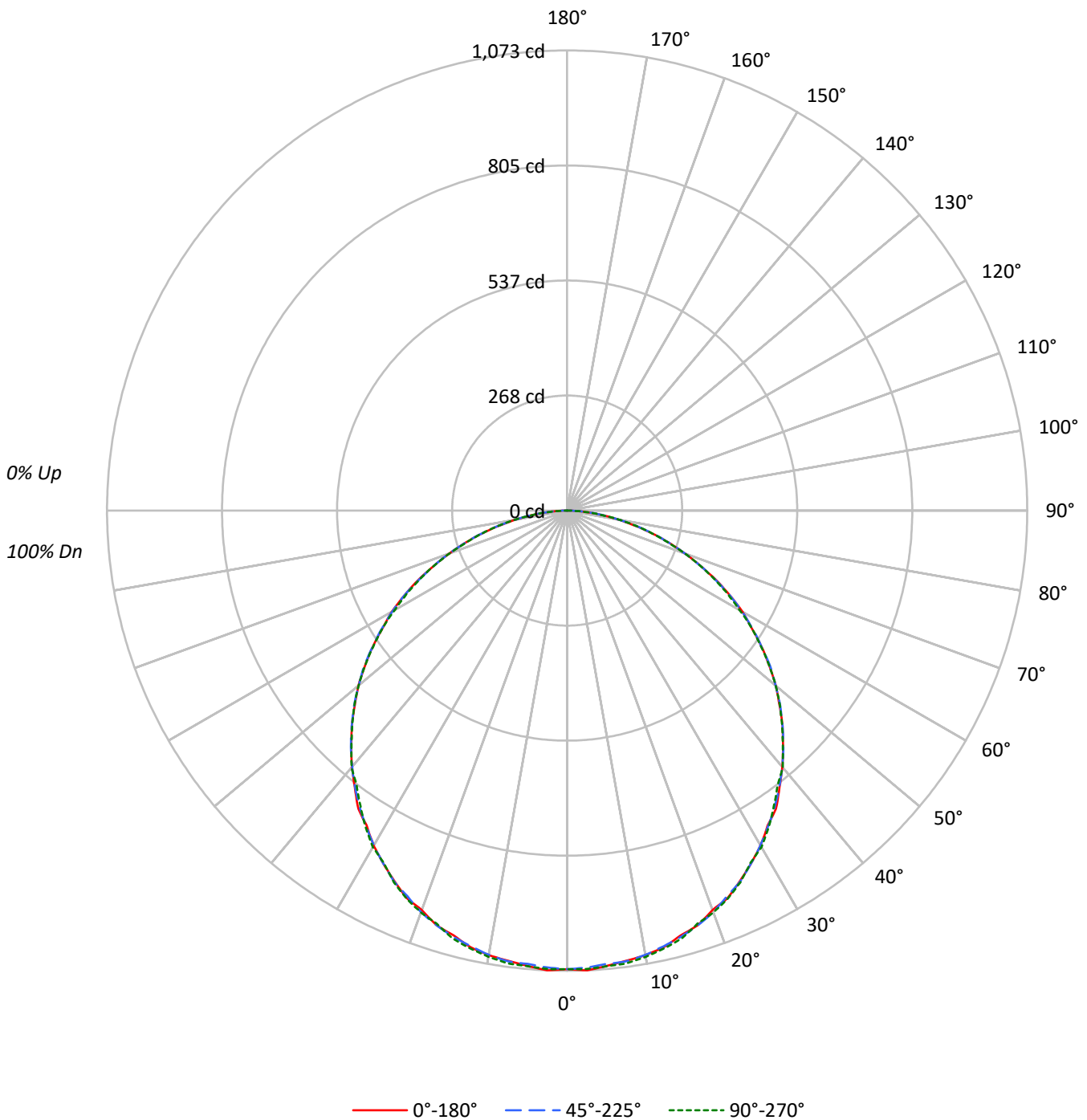
Input Watts (W): 28.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°	45°	90°
0°	2877	2877	2877
5°	2878	2866	2880
10°	2876	2874	2887
15°	2856	2865	2878
20°	2838	2853	2856
25°	2830	2834	2839
30°	2803	2801	2815
35°	2789	2772	2762
40°	2742	2740	2748
45°	2702	2702	2697
50°	2661	2658	2658
55°	2597	2597	2590
60°	2542	2534	2502
65°	2437	2427	2413
70°	2301	2301	2289
75°	2132	2140	2132
80°	1883	1906	1931
85°	1525	1618	1572



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.4	3.3
10°-20°	290.6	9.5
20°-30°	439.3	14.4
30°-40°	528.3	17.3
40°-50°	547.8	17.9
50°-60°	495.0	16.2
60°-70°	377.4	12.3
70°-80°	216.9	7.1
80°-90°	59.5	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°	831.3	27.2
0°-40°	1359.6	44.5
0°-60°	2402.3	78.6
0°-90°	3056.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3056.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1069	1069	1069	1069	1069	
5°	1066	1065	1061	1067	1066	101
15°	1025	1030	1028	1031	1033	290
25°	953	953	955	951	956	439
35°	849	849	844	845	841	528
45°	710	712	710	709	709	547
55°	554	556	554	553	552	495
65°	383	382	381	380	379	378
75°	205	204	206	205	205	216
85°	49	51	52	51	51	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1069.3	1069.3	1069.3	1069.3	1069.3
2.5°	1073.1	1072.3	1066.3	1070.1	1070.1
5°	1065.5	1064.8	1061.0	1067.0	1066.3
7.5°	1058.7	1060.2	1060.2	1063.2	1064.8
10°	1052.6	1055.6	1051.8	1057.9	1056.4
12.5°	1042.7	1043.5	1040.5	1042.7	1045.8
15°	1025.3	1029.8	1028.3	1031.3	1032.9
17.5°	1013.9	1013.9	1013.9	1018.4	1010.1
20°	991.1	997.2	996.4	997.2	997.2
22.5°	978.2	972.9	973.6	979.7	978.9
25°	953.1	953.1	954.6	950.8	956.2
27.5°	928.1	928.8	928.1	928.8	925.8
30°	902.2	902.2	901.5	903.0	906.0
32.5°	870.3	877.2	872.6	874.1	874.9
35°	849.1	849.1	843.8	845.3	840.7
37.5°	813.4	812.6	812.6	813.4	806.5
40°	780.7	780.0	780.0	779.2	782.2
42.5°	745.0	746.5	746.5	746.5	744.3
45°	710.1	711.6	710.1	709.3	708.6
47.5°	671.4	674.4	674.4	673.6	672.9
50°	635.7	637.9	634.9	632.6	634.9
52.5°	593.9	596.9	596.9	592.4	593.9
55°	553.6	555.9	553.6	552.9	552.1
57.5°	510.4	514.1	512.6	511.1	510.4
60°	472.4	472.4	470.9	465.5	464.8
62.5°	427.6	429.1	427.6	423.8	422.3
65°	382.8	382.0	381.2	379.7	379.0
67.5°	335.7	339.5	336.4	336.4	336.4
70°	292.4	293.9	292.4	290.9	290.9
72.5°	247.6	248.3	247.6	246.1	246.1
75°	205.1	204.3	205.8	205.1	205.1
77.5°	160.2	164.0	163.3	161.8	164.0
80°	121.5	122.3	123.0	123.8	124.6
82.5°	84.3	85.1	86.6	86.6	85.1
85°	49.4	50.9	52.4	50.9	50.9
87.5°	19.7	20.5	19.7	21.3	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)