

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: P314689

Luminaire Tested: **14FPSL2SCT3-3500K-MID**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314689
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: 14FPSL2SCT3-3500K-MID
Description: 1X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3161.4 lumens
Efficiency: N/A
Efficacy: 112.1 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

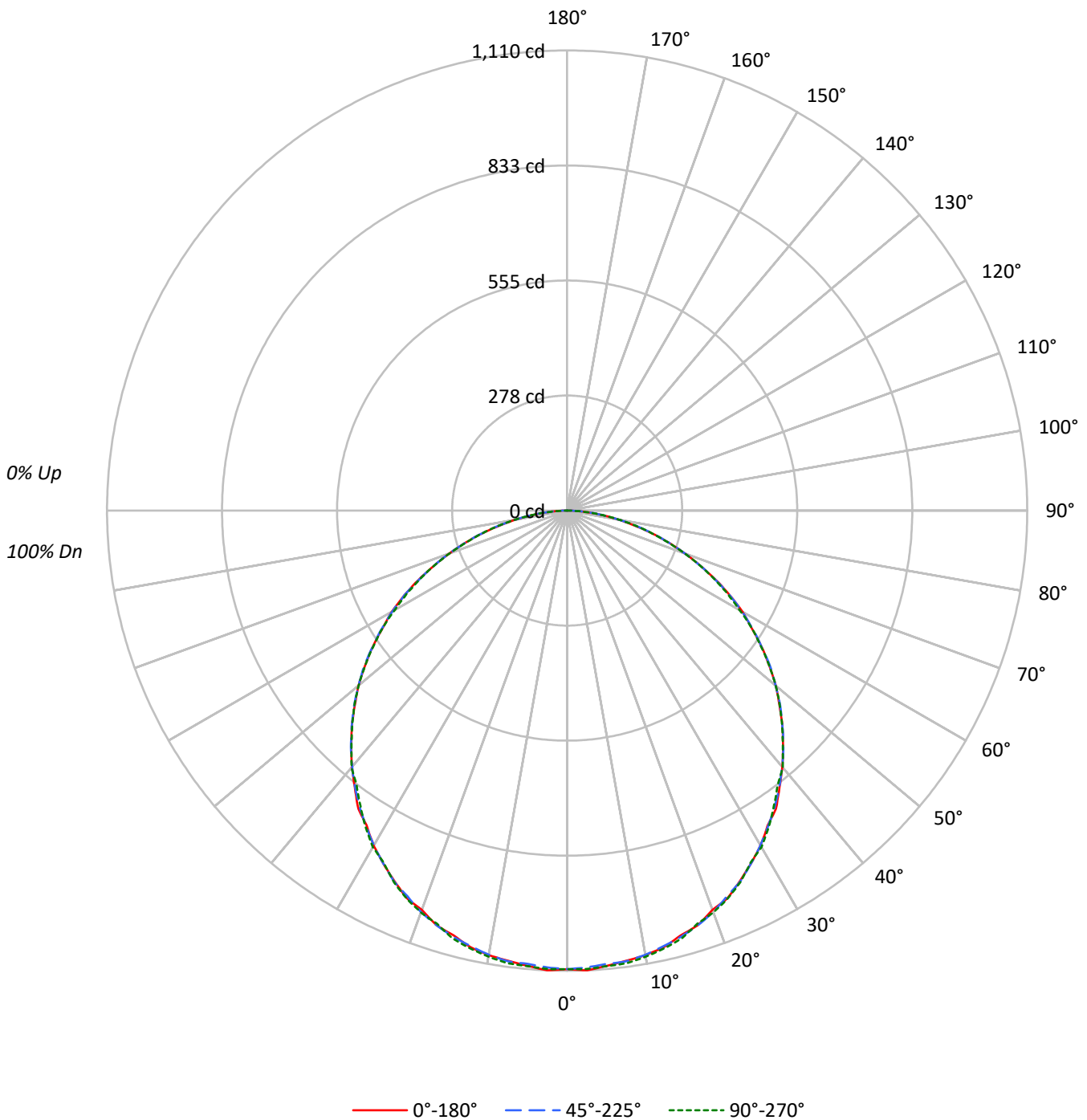
Input Watts (W): 28.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2976	2976	2976
5°	2977	2965	2979
10°	2975	2973	2986
15°	2954	2963	2976
20°	2936	2952	2954
25°	2927	2932	2937
30°	2900	2898	2912
35°	2885	2867	2857
40°	2837	2834	2843
45°	2795	2795	2790
50°	2753	2750	2750
55°	2687	2687	2679
60°	2630	2622	2588
65°	2521	2511	2496
70°	2380	2380	2367
75°	2205	2214	2205
80°	1948	1973	1996
85°	1578	1673	1624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.9	3.3
10°-20°	300.6	9.5
20°-30°	454.4	14.4
30°-40°	546.5	17.3
40°-50°	566.7	17.9
50°-60°	512.0	16.2
60°-70°	390.4	12.3
70°-80°	224.4	7.1
80°-90°	61.6	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°	859.9	27.2
0°-40°	1406.3	44.5
0°-60°	2485.0	78.6
0°-90°	3161.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3161.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1106	1106	1106	1106	1106	
5°	1102	1101	1098	1104	1103	105
15°	1060	1065	1064	1067	1068	300
25°	986	986	988	984	989	454
35°	878	878	873	874	870	547
45°	734	736	734	734	733	566
55°	573	575	573	572	571	512
65°	396	395	394	393	392	391
75°	212	211	213	212	212	224
85°	51	53	54	53	53	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1106.1	1106.1	1106.1	1106.1	1106.1
2.5°	1110.0	1109.3	1103.0	1106.9	1106.9
5°	1102.2	1101.4	1097.5	1103.8	1103.0
7.5°	1095.1	1096.7	1096.7	1099.8	1101.4
10°	1088.8	1092.0	1088.0	1094.3	1092.8
12.5°	1078.6	1079.4	1076.3	1078.6	1081.8
15°	1060.5	1065.3	1063.7	1066.8	1068.4
17.5°	1048.8	1048.8	1048.8	1053.5	1044.8
20°	1025.2	1031.5	1030.7	1031.5	1031.5
22.5°	1011.8	1006.3	1007.1	1013.4	1012.6
25°	985.9	985.9	987.5	983.6	989.1
27.5°	960.0	960.8	960.0	960.8	957.6
30°	933.3	933.3	932.5	934.1	937.2
32.5°	900.3	907.4	902.6	904.2	905.0
35°	878.3	878.3	872.8	874.4	869.7
37.5°	841.4	840.6	840.6	841.4	834.3
40°	807.6	806.8	806.8	806.0	809.2
42.5°	770.7	772.2	772.2	772.2	769.9
45°	734.5	736.1	734.5	733.7	733.0
47.5°	694.5	697.6	697.6	696.8	696.0
50°	657.5	659.9	656.8	654.4	656.8
52.5°	614.3	617.5	617.5	612.8	614.3
55°	572.7	575.1	572.7	571.9	571.1
57.5°	527.9	531.8	530.3	528.7	527.9
60°	488.6	488.6	487.1	481.6	480.8
62.5°	442.3	443.9	442.3	438.4	436.8
65°	395.9	395.2	394.4	392.8	392.0
67.5°	347.2	351.2	348.0	348.0	348.0
70°	302.5	304.0	302.5	300.9	300.9
72.5°	256.1	256.9	256.1	254.5	254.5
75°	212.1	211.3	212.9	212.1	212.1
77.5°	165.8	169.7	168.9	167.3	169.7
80°	125.7	126.5	127.3	128.1	128.8
82.5°	87.2	88.0	89.6	89.6	88.0
85°	51.1	52.6	54.2	52.6	52.6
87.5°	20.4	21.2	20.4	22.0	22.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)