

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: P314697

Luminaire Tested: **22FPSL2SCT3-3500K-LOW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P314697  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-285-14)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22FPSL2SCT3-3500K-LOW  
Description: 2X2 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1864.4 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

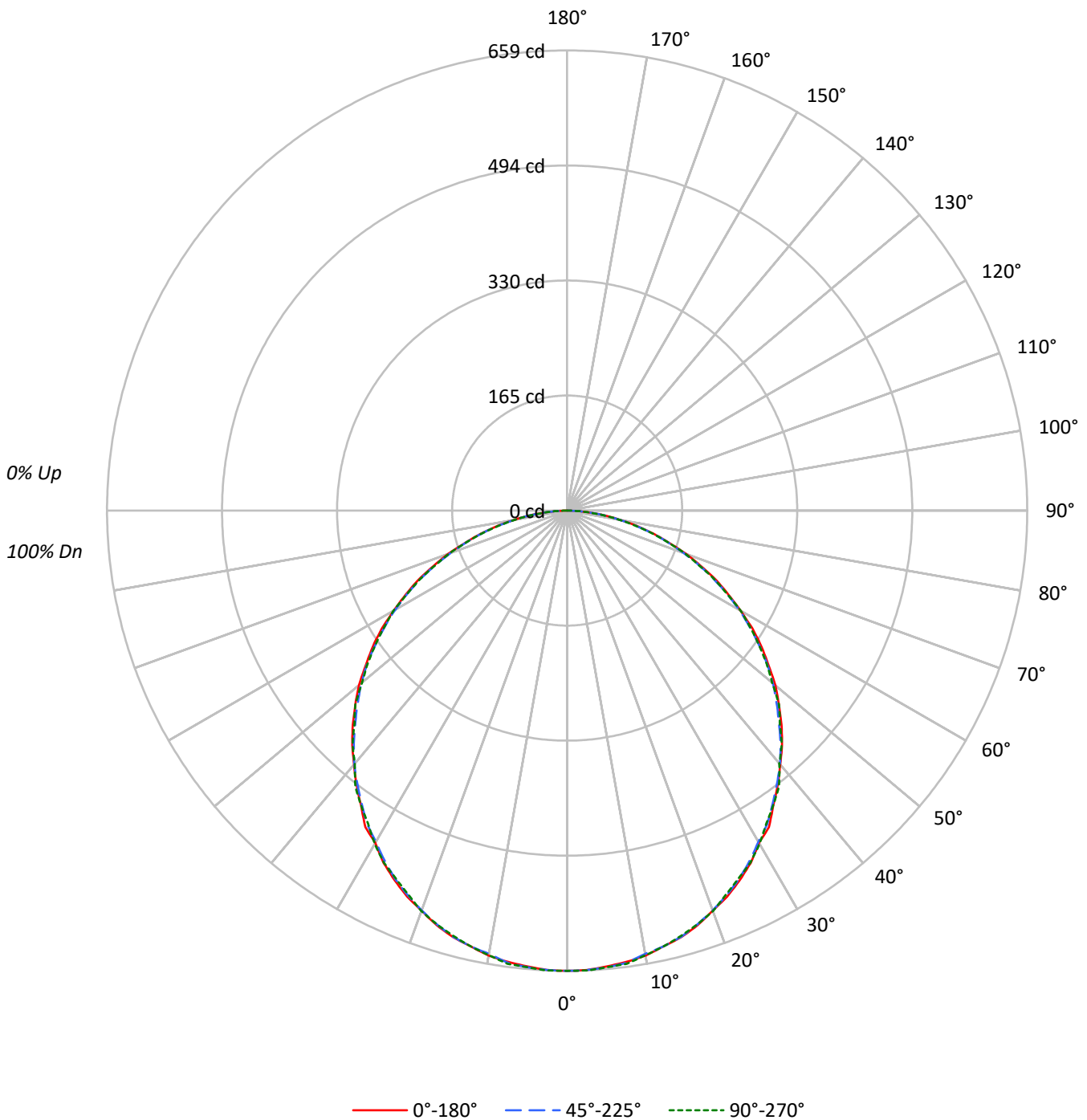
Input Watts (W): 16  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	78	96	88	82	77	85	79	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	73	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°	1774	1774	1774
5°	1770	1773	1773
10°	1768	1761	1767
15°	1762	1760	1756
20°	1746	1744	1748
25°	1735	1729	1725
30°	1708	1702	1712
35°	1691	1685	1691
40°	1668	1666	1661
45°	1652	1632	1639
50°	1630	1611	1605
55°	1595	1573	1573
60°	1542	1531	1546
65°	1501	1472	1480
70°	1424	1393	1408
75°	1333	1312	1312
80°	1201	1201	1179
85°	1010	1031	1010



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.3	3.3
10°-20°	177.9	9.5
20°-30°	268.1	14.4
30°-40°	321.5	17.2
40°-50°	332.7	17.8
50°-60°	300.7	16.1
60°-70°	229.6	12.3
70°-80°	133.6	7.2
80°-90°	38.0	2.0
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°	508.3	27.3
0°-40°	829.8	44.5
0°-60°	1463.2	78.5
0°-90°	1864.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1864.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	659	659	659	659	659	
5°	655	654	656	655	656	62
15°	632	631	632	632	630	178
25°	584	582	582	581	581	269
35°	515	515	513	513	515	323
45°	434	431	429	431	431	335
55°	340	337	335	335	335	303
65°	236	233	231	231	232	232
75°	128	127	126	125	126	135
85°	33	33	33	32	33	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	659.2	659.2	659.2	659.2	659.2
2.5°	658.5	659.2	658.5	657.8	659.2
5°	655.2	654.5	656.5	655.2	656.5
7.5°	651.8	649.1	653.1	654.5	654.5
10°	647.1	645.8	644.5	645.8	646.5
12.5°	639.1	639.8	639.1	640.5	639.1
15°	632.4	631.1	631.8	631.8	630.4
17.5°	622.4	618.4	621.1	619.1	621.1
20°	609.7	608.4	609.1	607.1	610.4
22.5°	598.4	595.7	596.4	595.0	595.0
25°	584.4	582.4	582.4	581.0	581.0
27.5°	569.0	568.3	565.7	564.3	568.3
30°	549.6	550.3	547.6	547.6	551.0
32.5°	537.6	532.9	532.9	530.9	530.9
35°	514.9	514.9	512.9	512.9	514.9
37.5°	495.5	494.2	493.5	494.2	498.2
40°	474.8	475.5	474.2	472.8	472.8
42.5°	455.5	454.1	452.1	451.5	454.8
45°	434.1	431.4	428.8	430.8	430.8
47.5°	411.4	410.1	406.7	407.4	411.4
50°	389.4	389.4	384.7	384.7	383.3
52.5°	363.3	361.3	361.3	360.0	360.0
55°	339.9	337.3	335.3	335.3	335.3
57.5°	314.6	313.2	309.9	309.9	310.5
60°	286.5	285.2	284.5	283.8	287.2
62.5°	260.5	259.1	257.8	258.5	257.8
65°	235.7	233.1	231.1	231.1	232.4
67.5°	207.0	207.0	204.4	203.7	203.7
70°	181.0	179.6	177.0	177.0	179.0
72.5°	152.3	152.9	151.6	151.6	150.9
75°	128.2	126.9	126.2	124.9	126.2
77.5°	102.8	101.5	100.8	99.5	99.5
80°	77.5	77.5	77.5	76.1	76.1
82.5°	56.1	54.8	54.8	54.1	53.4
85°	32.7	33.4	33.4	32.1	32.7
87.5°	14.0	14.0	13.4	14.0	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)