

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: P314688

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314688
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-LOW
Description: 1X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2187.6 lumens
Efficiency: N/A
Efficacy: 117.0 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

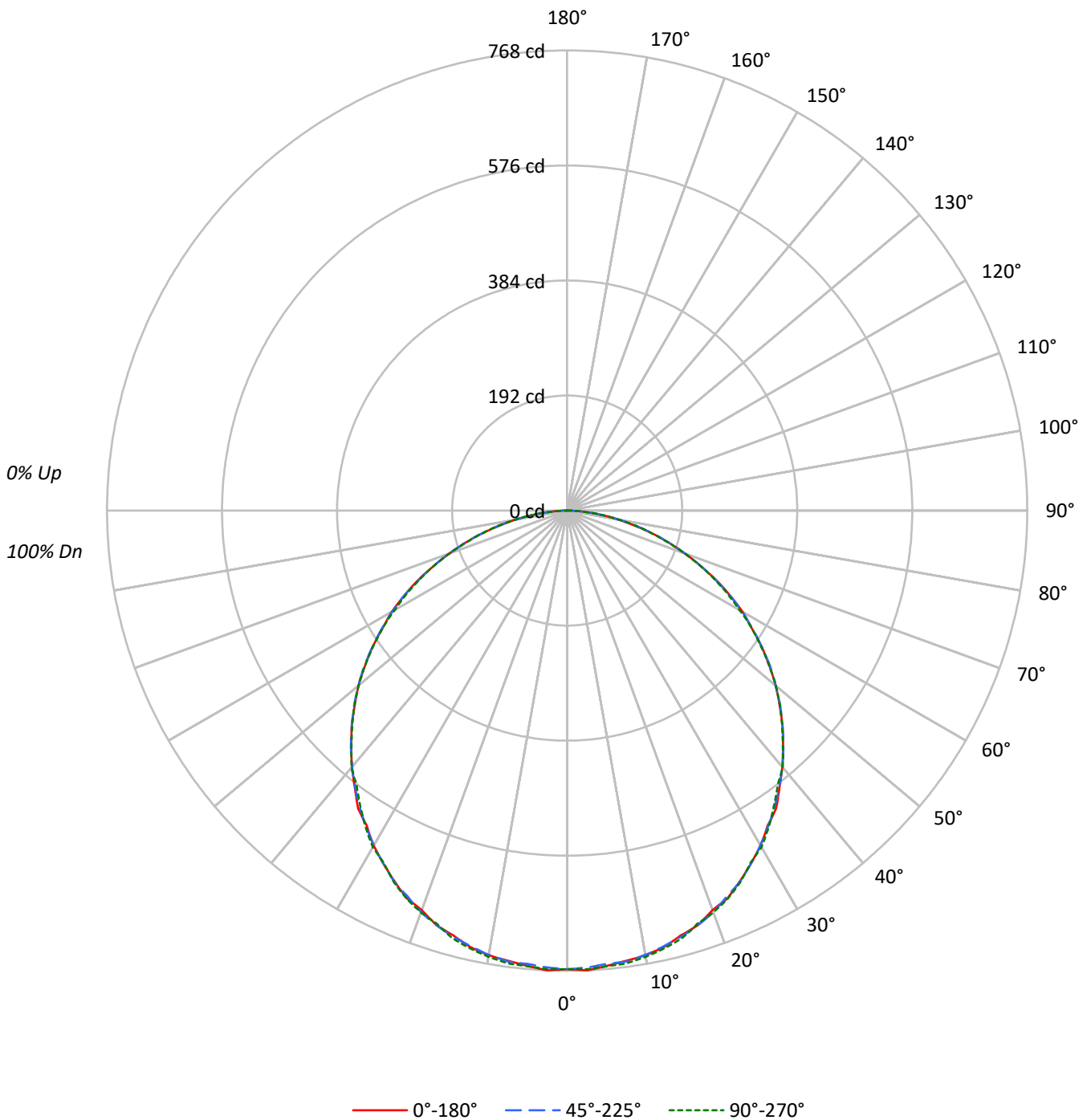
Input Watts (W): 18.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2060	2060	2060
5°	2060	2052	2062
10°	2059	2057	2066
15°	2045	2051	2060
20°	2031	2042	2044
25°	2026	2029	2032
30°	2007	2005	2015
35°	1997	1984	1977
40°	1963	1961	1967
45°	1934	1934	1930
50°	1905	1903	1903
55°	1859	1859	1854
60°	1820	1814	1791
65°	1745	1738	1727
70°	1647	1647	1638
75°	1526	1531	1526
80°	1348	1365	1382
85°	1090	1158	1124



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	3.3
10°-20°	208.0	9.5
20°-30°	314.4	14.4
30°-40°	378.2	17.3
40°-50°	392.2	17.9
50°-60°	354.3	16.2
60°-70°	270.1	12.3
70°-80°	155.3	7.1
80°-90°	42.6	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°	595.0	27.2
0°-40°	973.2	44.5
0°-60°	1719.7	78.6
0°-90°	2187.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2187.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	765	765	765	765	765	
5°	763	762	760	764	763	73
15°	734	737	736	738	739	208
25°	682	682	683	681	684	314
35°	608	608	604	605	602	378
45°	508	509	508	508	507	392
55°	396	398	396	396	395	354
65°	274	273	273	272	271	271
75°	147	146	147	147	147	155
85°	35	36	38	36	36	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	765.4	765.4	765.4	765.4	765.4
2.5°	768.2	767.6	763.3	766.0	766.0
5°	762.7	762.2	759.5	763.8	763.3
7.5°	757.8	758.9	758.9	761.1	762.2
10°	753.5	755.6	752.9	757.3	756.2
12.5°	746.4	746.9	744.8	746.4	748.6
15°	733.9	737.2	736.1	738.3	739.3
17.5°	725.7	725.7	725.7	729.0	723.0
20°	709.4	713.8	713.2	713.8	713.8
22.5°	700.2	696.4	696.9	701.3	700.7
25°	682.3	682.3	683.3	680.6	684.4
27.5°	664.3	664.9	664.3	664.9	662.7
30°	645.8	645.8	645.3	646.4	648.6
32.5°	623.0	627.9	624.6	625.7	626.3
35°	607.8	607.8	604.0	605.1	601.8
37.5°	582.2	581.7	581.7	582.2	577.3
40°	558.9	558.3	558.3	557.8	559.9
42.5°	533.3	534.4	534.4	534.4	532.8
45°	508.3	509.4	508.3	507.8	507.2
47.5°	480.6	482.7	482.7	482.2	481.7
50°	455.0	456.7	454.5	452.8	454.5
52.5°	425.1	427.3	427.3	424.0	425.1
55°	396.3	397.9	396.3	395.8	395.2
57.5°	365.3	368.0	367.0	365.9	365.3
60°	338.1	338.1	337.1	333.2	332.7
62.5°	306.1	307.2	306.1	303.3	302.3
65°	274.0	273.4	272.9	271.8	271.3
67.5°	240.3	243.0	240.8	240.8	240.8
70°	209.3	210.4	209.3	208.2	208.2
72.5°	177.2	177.8	177.2	176.1	176.1
75°	146.8	146.2	147.3	146.8	146.8
77.5°	114.7	117.4	116.9	115.8	117.4
80°	87.0	87.5	88.1	88.6	89.2
82.5°	60.3	60.9	62.0	62.0	60.9
85°	35.3	36.4	37.5	36.4	36.4
87.5°	14.1	14.7	14.1	15.2	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)