

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: P314700

Luminaire Tested: **22FPSL2SCT3-4000K-LOW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314700
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: 22FPSL2SCT3-4000K-LOW
Description: 2X2 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1908.8 lumens
Efficiency: N/A
Efficacy: 119.3 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

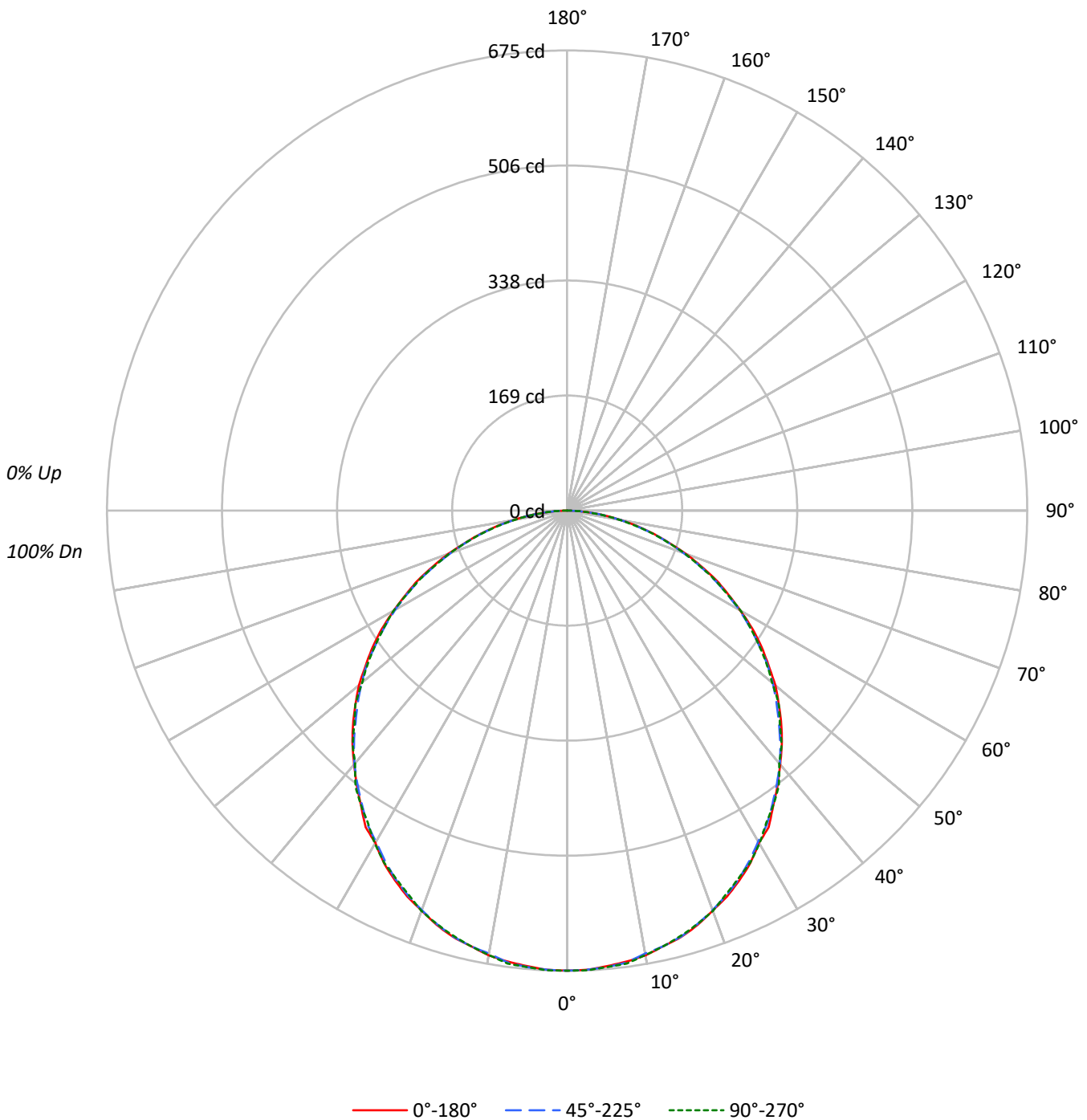
Input Watts (W): 16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1816	1816	1816
5°	1812	1816	1816
10°	1810	1803	1809
15°	1804	1802	1798
20°	1788	1786	1790
25°	1776	1770	1766
30°	1748	1742	1753
35°	1732	1725	1732
40°	1708	1705	1701
45°	1691	1671	1678
50°	1669	1649	1643
55°	1633	1610	1610
60°	1579	1568	1582
65°	1537	1507	1515
70°	1458	1426	1441
75°	1365	1343	1343
80°	1229	1229	1207
85°	1034	1056	1034



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	3.3
10°-20°	182.2	9.5
20°-30°	274.5	14.4
30°-40°	329.1	17.2
40°-50°	340.6	17.8
50°-60°	307.8	16.1
60°-70°	235.0	12.3
70°-80°	136.8	7.2
80°-90°	39.0	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°	520.4	27.3
0°-40°	849.6	44.5
0°-60°	1498.0	78.5
0°-90°	1908.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1908.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	675	675	675	675	675	
5°	671	670	672	671	672	64
15°	648	646	647	647	646	182
25°	598	596	596	595	595	275
35°	527	527	525	525	527	330
45°	444	442	439	441	441	343
55°	348	345	343	343	343	310
65°	241	239	237	237	238	237
75°	131	130	129	128	129	138
85°	34	34	34	33	34	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	674.9	674.9	674.9	674.9	674.9
2.5°	674.2	674.9	674.2	673.5	674.9
5°	670.8	670.1	672.1	670.8	672.1
7.5°	667.3	664.6	668.7	670.1	670.1
10°	662.5	661.2	659.8	661.2	661.9
12.5°	654.3	655.0	654.3	655.7	654.3
15°	647.5	646.1	646.8	646.8	645.5
17.5°	637.2	633.1	635.9	633.8	635.9
20°	624.3	622.9	623.6	621.5	624.9
22.5°	612.6	609.9	610.6	609.2	609.2
25°	598.3	596.2	596.2	594.9	594.9
27.5°	582.5	581.9	579.1	577.8	581.9
30°	562.7	563.4	560.7	560.7	564.1
32.5°	550.4	545.6	545.6	543.6	543.6
35°	527.2	527.2	525.1	525.1	527.2
37.5°	507.3	506.0	505.3	506.0	510.1
40°	486.1	486.8	485.5	484.1	484.1
42.5°	466.3	464.9	462.9	462.2	465.6
45°	444.4	441.7	439.0	441.0	441.0
47.5°	421.2	419.8	416.4	417.1	421.2
50°	398.6	398.6	393.8	393.8	392.5
52.5°	372.0	369.9	369.9	368.5	368.5
55°	348.0	345.3	343.2	343.2	343.2
57.5°	322.0	320.7	317.3	317.3	317.9
60°	293.3	292.0	291.3	290.6	294.0
62.5°	266.7	265.3	263.9	264.6	263.9
65°	241.4	238.6	236.6	236.6	237.9
67.5°	212.0	212.0	209.2	208.5	208.5
70°	185.3	183.9	181.2	181.2	183.2
72.5°	155.9	156.6	155.2	155.2	154.5
75°	131.3	129.9	129.2	127.9	129.2
77.5°	105.3	103.9	103.2	101.9	101.9
80°	79.3	79.3	79.3	77.9	77.9
82.5°	57.4	56.1	56.1	55.4	54.7
85°	33.5	34.2	34.2	32.8	33.5
87.5°	14.4	14.4	13.7	14.4	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)