

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: P314694

Luminaire Tested: **22FPSL2SCT3-3000K-LOW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314694
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: 22FPSL2SCT3-3000K-LOW
Description: 2X2 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1810.3 lumens
Efficiency: N/A
Efficacy: 113.1 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

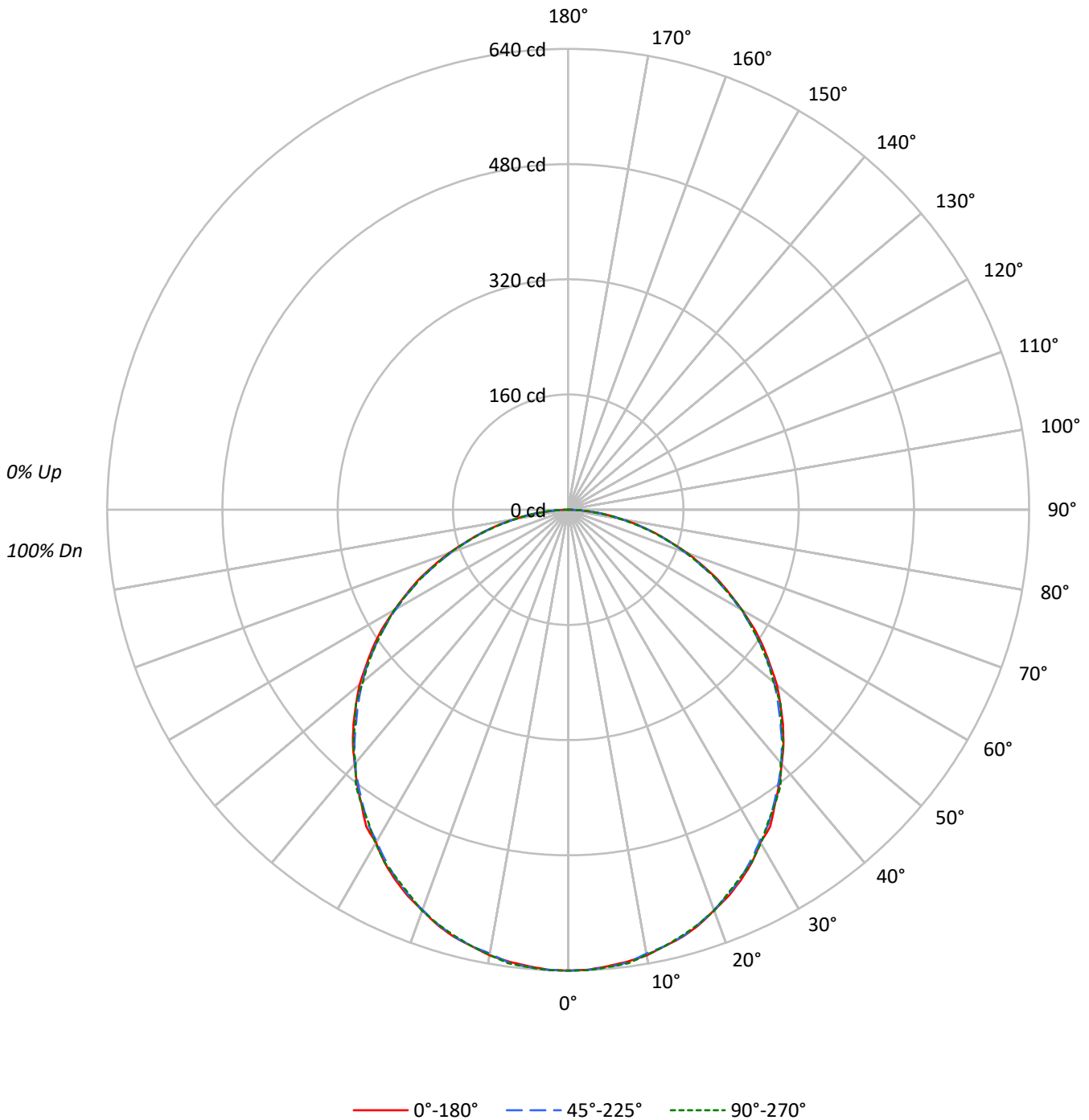
Input Watts (W): 16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P314694

CATALOG NUMBER: 22FPSL2SCT3-3000K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P314694

CATALOG NUMBER: 22FPSL2SCT3-3000K-LOW

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°	1722	1722	1722
5°	1719	1722	1722
10°	1717	1710	1715
15°	1711	1709	1706
20°	1696	1694	1697
25°	1685	1679	1675
30°	1658	1652	1662
35°	1643	1636	1643
40°	1620	1617	1613
45°	1604	1584	1592
50°	1583	1564	1558
55°	1549	1527	1527
60°	1497	1487	1500
65°	1457	1429	1437
70°	1382	1352	1367
75°	1294	1275	1275
80°	1165	1165	1145
85°	982	1000	982



TEST NUMBER: P314694

CATALOG NUMBER: 22FPSL2SCT3-3000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.5	3.3
10°-20°	172.8	9.5
20°-30°	260.3	14.4
30°-40°	312.2	17.2
40°-50°	323.0	17.8
50°-60°	292.0	16.1
60°-70°	222.9	12.3
70°-80°	129.7	7.2
80°-90°	36.9	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°	493.6	27.3
0°-40°	805.8	44.5
0°-60°	1420.8	78.5
0°-90°	1810.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1810.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	640	640	640	640	640	
5°	636	636	638	636	638	60
15°	614	613	614	614	612	173
25°	567	566	566	564	564	261
35°	500	500	498	498	500	313
45°	422	419	416	418	418	325
55°	330	328	326	326	326	294
65°	229	226	224	224	226	225
75°	124	123	123	121	123	131
85°	32	32	32	31	32	37
90°	0	0	0	0	0	



TEST NUMBER: P314694

CATALOG NUMBER: 22FPSL2SCT3-3000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	640.1	640.1	640.1	640.1	640.1
2.5°	639.4	640.1	639.4	638.8	640.1
5°	636.2	635.5	637.5	636.2	637.5
7.5°	632.9	630.3	634.2	635.5	635.5
10°	628.4	627.1	625.8	627.1	627.7
12.5°	620.6	621.2	620.6	621.9	620.6
15°	614.1	612.8	613.5	613.5	612.2
17.5°	604.4	600.5	603.1	601.1	603.1
20°	592.1	590.8	591.4	589.5	592.7
22.5°	581.0	578.4	579.1	577.8	577.8
25°	567.4	565.5	565.5	564.2	564.2
27.5°	552.5	551.9	549.3	548.0	551.9
30°	533.7	534.4	531.8	531.8	535.0
32.5°	522.0	517.5	517.5	515.5	515.5
35°	500.0	500.0	498.0	498.0	500.0
37.5°	481.2	479.9	479.2	479.9	483.8
40°	461.1	461.7	460.4	459.1	459.1
42.5°	442.3	441.0	439.0	438.4	441.6
45°	421.5	418.9	416.3	418.3	418.3
47.5°	399.5	398.2	394.9	395.6	399.5
50°	378.1	378.1	373.5	373.5	372.2
52.5°	352.8	350.8	350.8	349.5	349.5
55°	330.1	327.5	325.5	325.5	325.5
57.5°	305.4	304.1	300.9	300.9	301.5
60°	278.2	276.9	276.3	275.6	278.8
62.5°	252.9	251.6	250.3	251.0	250.3
65°	228.9	226.3	224.4	224.4	225.7
67.5°	201.0	201.0	198.4	197.8	197.8
70°	175.7	174.4	171.8	171.8	173.8
72.5°	147.9	148.5	147.2	147.2	146.6
75°	124.5	123.2	122.6	121.3	122.6
77.5°	99.9	98.6	97.9	96.6	96.6
80°	75.2	75.2	75.2	73.9	73.9
82.5°	54.5	53.2	53.2	52.5	51.9
85°	31.8	32.4	32.4	31.1	31.8
87.5°	13.6	13.6	13.0	13.6	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)