

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: P314690

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314690
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-HI
Description: 1X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3883.2 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

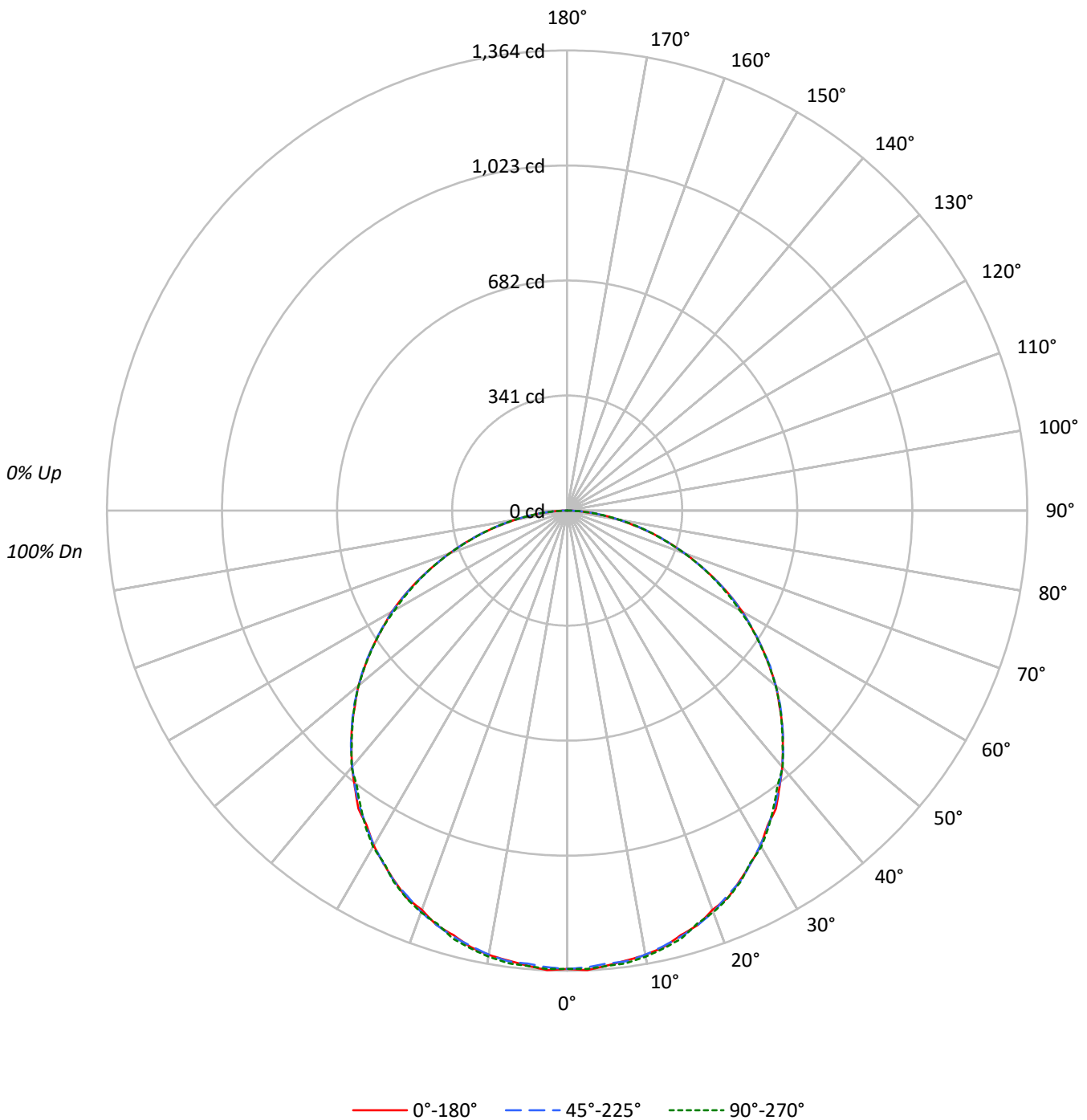
Input Watts (W): 36.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P314690

CATALOG NUMBER: 14FPSL2SCT3-3500K-HI

Luminous Intensity Polar Plot





TEST NUMBER: P314690

CATALOG NUMBER: 14FPSL2SCT3-3500K-HI

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°	3656	3656	3656
5°	3657	3642	3660
10°	3654	3652	3668
15°	3629	3640	3656
20°	3606	3625	3628
25°	3596	3602	3607
30°	3562	3559	3577
35°	3544	3522	3509
40°	3485	3481	3491
45°	3433	3433	3426
50°	3381	3377	3377
55°	3301	3301	3291
60°	3230	3220	3179
65°	3096	3084	3066
70°	2923	2923	2908
75°	2708	2719	2708
80°	2393	2422	2453
85°	1936	2056	1998



TEST NUMBER: P314690

CATALOG NUMBER: 14FPSL2SCT3-3500K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.8	3.3
10°-20°	369.2	9.5
20°-30°	558.1	14.4
30°-40°	671.2	17.3
40°-50°	696.1	17.9
50°-60°	628.9	16.2
60°-70°	479.5	12.3
70°-80°	275.6	7.1
80°-90°	75.6	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°	1056.2	27.2
0°-40°	1727.4	44.5
0°-60°	3052.5	78.6
0°-90°	3883.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3883.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1359	1359	1359	1359	1359	
5°	1354	1353	1348	1356	1355	129
15°	1303	1308	1307	1310	1312	368
25°	1211	1211	1213	1208	1215	558
35°	1079	1079	1072	1074	1068	671
45°	902	904	902	901	900	695
55°	704	706	704	702	702	629
65°	486	485	484	482	482	480
75°	260	260	262	260	260	275
85°	63	65	67	65	65	74
90°	0	0	0	0	0	



TEST NUMBER: P314690

CATALOG NUMBER: 14FPSL2SCT3-3500K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1358.7	1358.7	1358.7	1358.7	1358.7
2.5°	1363.5	1362.5	1354.8	1359.6	1359.6
5°	1353.8	1352.9	1348.1	1355.8	1354.8
7.5°	1345.2	1347.1	1347.1	1350.9	1352.9
10°	1337.4	1341.3	1336.5	1344.2	1342.3
12.5°	1324.9	1325.9	1322.0	1324.9	1328.8
15°	1302.7	1308.5	1306.6	1310.4	1312.4
17.5°	1288.2	1288.2	1288.2	1294.0	1283.4
20°	1259.3	1267.0	1266.0	1267.0	1267.0
22.5°	1242.9	1236.1	1237.1	1244.8	1243.8
25°	1211.0	1211.0	1213.0	1208.1	1214.9
27.5°	1179.2	1180.2	1179.2	1180.2	1176.3
30°	1146.4	1146.4	1145.4	1147.3	1151.2
32.5°	1105.8	1114.5	1108.7	1110.7	1111.6
35°	1078.8	1078.8	1072.1	1074.0	1068.2
37.5°	1033.5	1032.5	1032.5	1033.5	1024.8
40°	992.0	991.0	991.0	990.1	993.9
42.5°	946.6	948.6	948.6	948.6	945.7
45°	902.2	904.2	902.2	901.3	900.3
47.5°	853.0	856.9	856.9	855.9	855.0
50°	807.7	810.6	806.7	803.8	806.7
52.5°	754.6	758.5	758.5	752.7	754.6
55°	703.5	706.4	703.5	702.5	701.5
57.5°	648.5	653.3	651.4	649.4	648.5
60°	600.2	600.2	598.3	591.5	590.6
62.5°	543.3	545.2	543.3	538.4	536.5
65°	486.3	485.4	484.4	482.5	481.5
67.5°	426.5	431.3	427.5	427.5	427.5
70°	371.5	373.4	371.5	369.6	369.6
72.5°	314.6	315.5	314.6	312.6	312.6
75°	260.5	259.6	261.5	260.5	260.5
77.5°	203.6	208.4	207.5	205.5	208.4
80°	154.4	155.4	156.3	157.3	158.3
82.5°	107.1	108.1	110.0	110.0	108.1
85°	62.7	64.7	66.6	64.7	64.7
87.5°	25.1	26.1	25.1	27.0	27.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)