

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: P314679

Luminaire Tested: **24FPSL2SCT3-3500K-LOW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-285-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24FPSL2SCT3-3500K-LOW
Description: 2X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3533.8 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

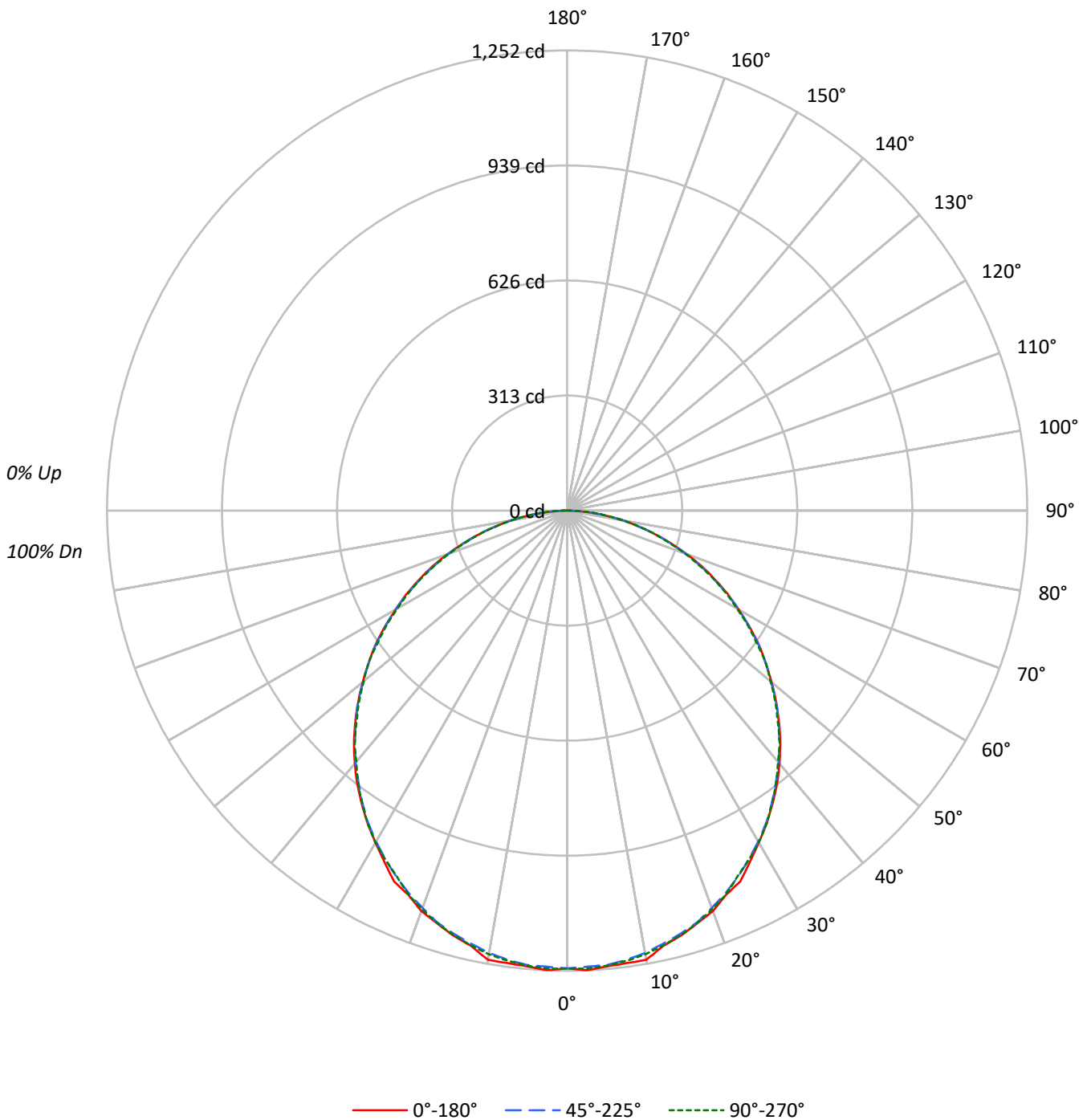
Input Watts (W): 30.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	76	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
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	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1676	1676	1676
5°	1681	1676	1679
10°	1696	1670	1675
15°	1668	1660	1665
20°	1660	1647	1652
25°	1653	1632	1629
30°	1620	1615	1620
35°	1600	1595	1597
40°	1578	1572	1567
45°	1552	1548	1541
50°	1519	1515	1512
55°	1495	1490	1478
60°	1449	1452	1435
65°	1412	1401	1398
70°	1357	1354	1340
75°	1286	1286	1281
80°	1208	1201	1187
85°	1065	1024	1051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	3.3
10°-20°	336.2	9.5
20°-30°	506.4	14.3
30°-40°	606.6	17.2
40°-50°	626.5	17.7
50°-60°	565.7	16.0
60°-70°	436.2	12.3
70°-80°	260.8	7.4
80°-90°	77.7	2.2
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°	960.2	27.2
0°-40°	1566.9	44.3
0°-60°	2759.1	78.1
0°-90°	3533.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3533.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1246	1246	1246	1246	1246	
5°	1245	1235	1241	1236	1243	119
15°	1197	1190	1192	1187	1195	338
25°	1114	1097	1099	1097	1098	510
35°	974	967	971	969	972	610
45°	815	813	814	811	810	629
55°	637	632	635	631	630	568
65°	444	442	440	438	439	439
75°	247	246	247	245	246	262
85°	69	68	66	68	68	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1245.5	1245.5	1245.5	1245.5	1245.5
2.5°	1251.7	1241.0	1241.9	1238.3	1247.2
5°	1244.6	1234.7	1241.0	1236.5	1242.8
7.5°	1241.9	1225.7	1232.9	1225.7	1235.6
10°	1241.0	1218.6	1222.2	1218.6	1225.7
12.5°	1212.3	1206.9	1206.9	1205.1	1211.4
15°	1197.1	1189.9	1191.7	1187.2	1195.3
17.5°	1177.4	1171.1	1174.7	1169.3	1176.5
20°	1159.4	1147.8	1150.5	1145.1	1154.1
22.5°	1130.8	1124.5	1126.3	1123.6	1129.9
25°	1113.7	1096.7	1099.4	1096.7	1097.6
27.5°	1077.0	1064.5	1069.8	1068.0	1070.7
30°	1043.0	1036.7	1039.4	1034.0	1043.0
32.5°	1009.8	999.1	1008.0	1002.6	1009.8
35°	974.0	966.8	971.3	968.6	972.2
37.5°	938.1	930.1	932.7	931.0	934.5
40°	898.7	895.1	895.1	893.3	892.4
42.5°	858.4	851.2	854.8	851.2	855.7
45°	815.4	812.7	813.6	810.9	810.0
47.5°	771.5	768.8	771.5	768.8	767.9
50°	725.8	724.0	724.0	722.2	722.2
52.5°	681.0	679.2	681.0	676.5	681.9
55°	637.1	631.7	635.3	630.8	629.9
57.5°	587.8	587.8	586.9	585.1	584.2
60°	538.5	539.4	539.4	536.7	533.1
62.5°	492.8	488.3	490.1	487.4	488.3
65°	443.5	441.7	439.9	438.1	439.0
67.5°	396.9	394.2	391.6	392.5	388.9
70°	345.0	344.1	344.1	343.2	340.5
72.5°	295.7	294.8	293.9	293.9	290.3
75°	247.3	246.4	247.3	244.6	246.4
77.5°	198.9	200.7	200.7	198.9	198.9
80°	155.9	155.0	155.0	153.2	153.2
82.5°	110.2	109.3	110.2	108.4	111.1
85°	69.0	68.1	66.3	68.1	68.1
87.5°	28.7	28.7	30.5	33.2	34.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)