

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: P314696

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314696
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-HI
Description: 2X2 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3165.2 lumens
Efficiency: N/A
Efficacy: 104.1 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

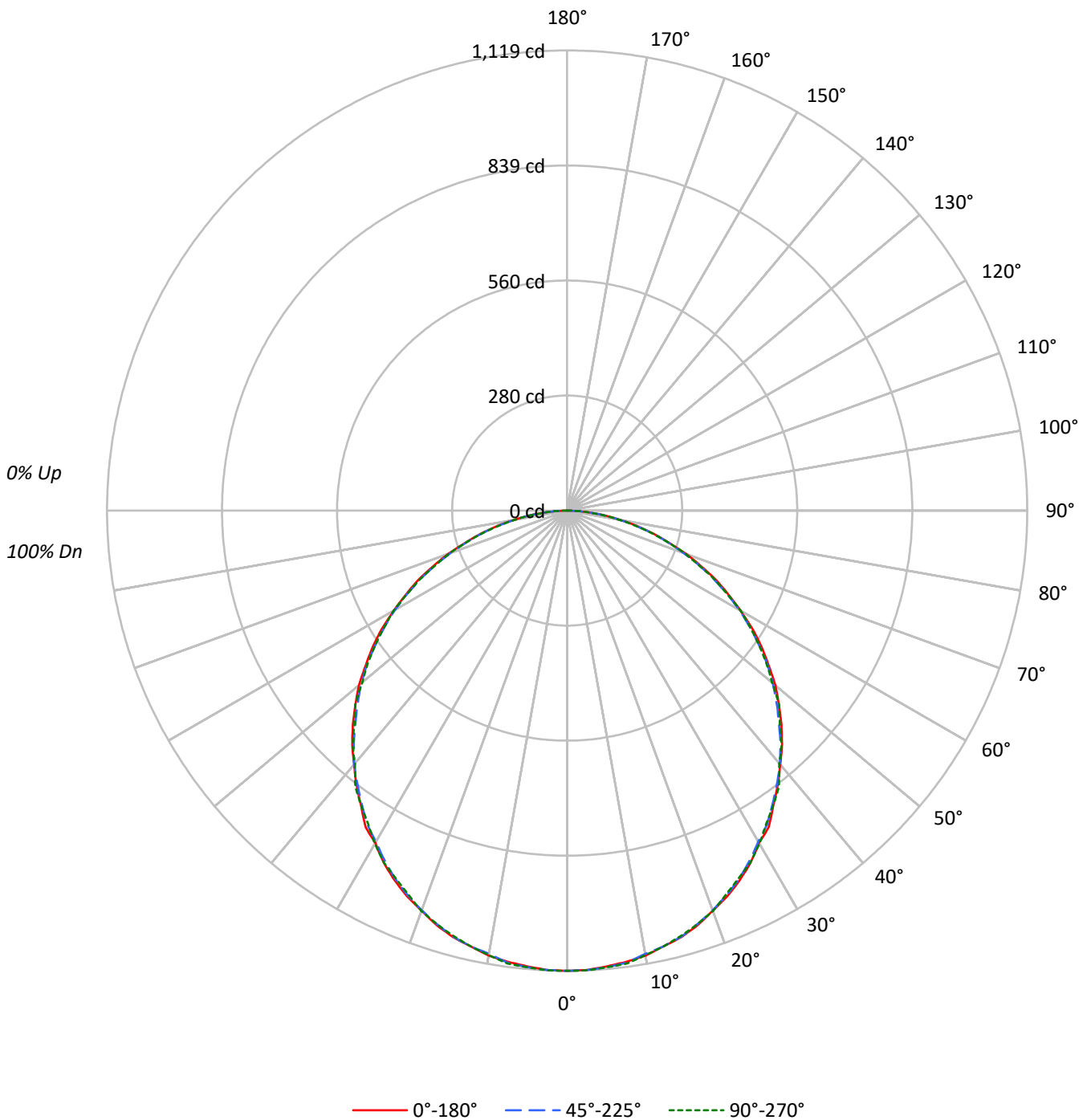
Input Watts (W): 30.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3011	3011	3011
5°	3005	3011	3011
10°	3002	2990	2999
15°	2991	2988	2982
20°	2964	2961	2968
25°	2946	2936	2929
30°	2899	2889	2907
35°	2872	2861	2872
40°	2832	2828	2820
45°	2805	2770	2783
50°	2767	2734	2725
55°	2708	2670	2670
60°	2618	2599	2624
65°	2548	2498	2513
70°	2418	2364	2391
75°	2263	2228	2228
80°	2038	2038	2004
85°	1717	1751	1717



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	3.3
10°-20°	302.1	9.5
20°-30°	455.1	14.4
30°-40°	545.8	17.2
40°-50°	564.8	17.8
50°-60°	510.5	16.1
60°-70°	389.7	12.3
70°-80°	226.8	7.2
80°-90°	64.6	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°	863.0	27.3
0°-40°	1408.8	44.5
0°-60°	2484.1	78.5
0°-90°	3165.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3165.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1119	1119	1119	1119	1119	
5°	1112	1111	1114	1112	1114	106
15°	1074	1071	1073	1073	1070	303
25°	992	989	989	986	986	457
35°	874	874	871	871	874	548
45°	737	732	728	731	731	568
55°	577	573	569	569	569	515
65°	400	396	392	392	395	394
75°	218	215	214	212	214	229
85°	56	57	57	54	56	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1119.1	1119.1	1119.1	1119.1	1119.1
2.5°	1117.9	1119.1	1117.9	1116.8	1119.1
5°	1112.3	1111.1	1114.5	1112.3	1114.5
7.5°	1106.6	1102.1	1108.9	1111.1	1111.1
10°	1098.7	1096.4	1094.1	1096.4	1097.5
12.5°	1085.1	1086.2	1085.1	1087.3	1085.1
15°	1073.7	1071.4	1072.6	1072.6	1070.3
17.5°	1056.7	1049.9	1054.4	1051.0	1054.4
20°	1035.2	1032.9	1034.0	1030.6	1036.3
22.5°	1015.9	1011.4	1012.5	1010.2	1010.2
25°	992.1	988.7	988.7	986.4	986.4
27.5°	966.0	964.9	960.3	958.1	964.9
30°	933.1	934.3	929.7	929.7	935.4
32.5°	912.7	904.8	904.8	901.4	901.4
35°	874.2	874.2	870.8	870.8	874.2
37.5°	841.3	839.0	837.9	839.0	845.8
40°	806.1	807.3	805.0	802.7	802.7
42.5°	773.3	771.0	767.6	766.5	772.1
45°	737.0	732.4	727.9	731.3	731.3
47.5°	698.4	696.2	690.5	691.6	698.4
50°	661.0	661.0	653.1	653.1	650.8
52.5°	616.8	613.4	613.4	611.1	611.1
55°	577.1	572.6	569.2	569.2	569.2
57.5°	534.0	531.8	526.1	526.1	527.2
60°	486.4	484.1	483.0	481.9	487.5
62.5°	442.2	439.9	437.7	438.8	437.7
65°	400.2	395.7	392.3	392.3	394.6
67.5°	351.5	351.5	346.9	345.8	345.8
70°	307.3	305.0	300.5	300.5	303.9
72.5°	258.5	259.6	257.4	257.4	256.2
75°	217.7	215.4	214.3	212.0	214.3
77.5°	174.6	172.3	171.2	168.9	168.9
80°	131.5	131.5	131.5	129.3	129.3
82.5°	95.2	93.0	93.0	91.8	90.7
85°	55.6	56.7	56.7	54.4	55.6
87.5°	23.8	23.8	22.7	23.8	23.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)