

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: P314702

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314702
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-HI
Description: 2X2 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3348.6 lumens
Efficiency: N/A
Efficacy: 110.1 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

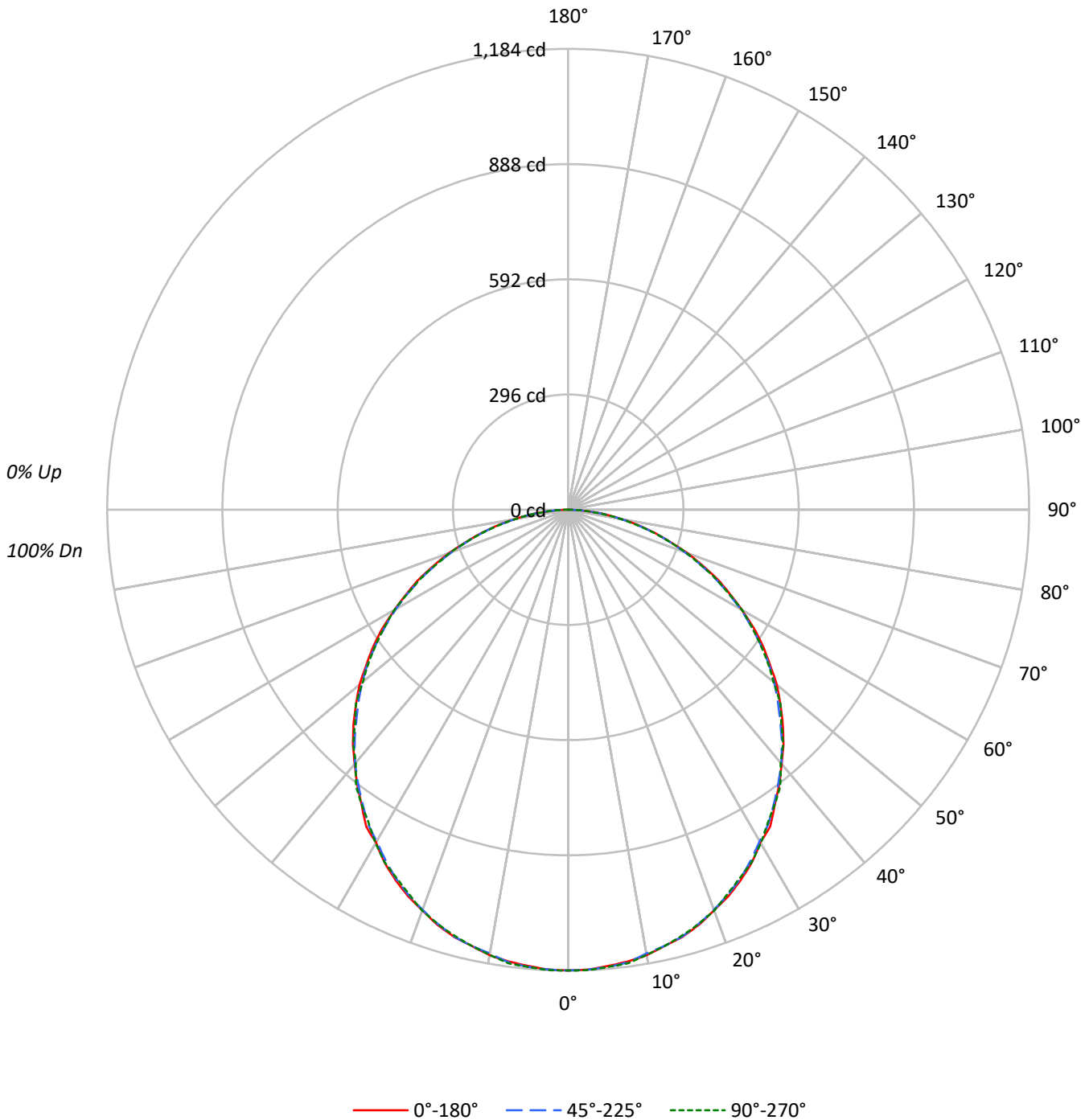
Input Watts (W): 30.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3186	3186	3186
5°	3179	3185	3185
10°	3176	3163	3173
15°	3165	3161	3154
20°	3136	3133	3139
25°	3116	3106	3099
30°	3068	3056	3075
35°	3038	3026	3038
40°	2996	2992	2983
45°	2967	2931	2944
50°	2928	2892	2882
55°	2864	2825	2825
60°	2770	2750	2776
65°	2696	2642	2658
70°	2558	2501	2530
75°	2394	2357	2357
80°	2156	2156	2118
85°	1815	1853	1815



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	3.3
10°-20°	319.6	9.5
20°-30°	481.5	14.4
30°-40°	577.4	17.2
40°-50°	597.5	17.8
50°-60°	540.0	16.1
60°-70°	412.3	12.3
70°-80°	240.0	7.2
80°-90°	68.3	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°	913.0	27.3
0°-40°	1490.4	44.5
0°-60°	2628.0	78.5
0°-90°	3348.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3348.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1184	1184	1184	1184	1184	
5°	1177	1176	1179	1177	1179	112
15°	1136	1134	1135	1135	1132	320
25°	1050	1046	1046	1044	1044	483
35°	925	925	921	921	925	579
45°	780	775	770	774	774	601
55°	610	606	602	602	602	545
65°	423	419	415	415	417	416
75°	230	228	227	224	227	243
85°	59	60	60	58	59	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1183.9	1183.9	1183.9	1183.9	1183.9
2.5°	1182.7	1183.9	1182.7	1181.5	1183.9
5°	1176.7	1175.5	1179.1	1176.7	1179.1
7.5°	1170.7	1165.9	1173.1	1175.5	1175.5
10°	1162.3	1159.9	1157.5	1159.9	1161.1
12.5°	1147.9	1149.1	1147.9	1150.3	1147.9
15°	1135.9	1133.5	1134.7	1134.7	1132.3
17.5°	1117.9	1110.7	1115.5	1111.9	1115.5
20°	1095.1	1092.7	1093.9	1090.3	1096.3
22.5°	1074.7	1069.9	1071.1	1068.7	1068.7
25°	1049.6	1046.0	1046.0	1043.6	1043.6
27.5°	1022.0	1020.8	1016.0	1013.6	1020.8
30°	987.2	988.4	983.6	983.6	989.6
32.5°	965.6	957.2	957.2	953.6	953.6
35°	924.8	924.8	921.2	921.2	924.8
37.5°	890.0	887.6	886.4	887.6	894.8
40°	852.8	854.0	851.6	849.2	849.2
42.5°	818.1	815.7	812.1	810.9	816.9
45°	779.7	774.9	770.1	773.7	773.7
47.5°	738.9	736.5	730.5	731.7	738.9
50°	699.3	699.3	690.9	690.9	688.5
52.5°	652.5	648.9	648.9	646.5	646.5
55°	610.5	605.7	602.1	602.1	602.1
57.5°	565.0	562.6	556.6	556.6	557.8
60°	514.6	512.2	511.0	509.8	515.8
62.5°	467.8	465.4	463.0	464.2	463.0
65°	423.4	418.6	415.0	415.0	417.4
67.5°	371.8	371.8	367.0	365.8	365.8
70°	325.1	322.7	317.9	317.9	321.5
72.5°	273.5	274.7	272.3	272.3	271.1
75°	230.3	227.9	226.7	224.3	226.7
77.5°	184.7	182.3	181.1	178.7	178.7
80°	139.1	139.1	139.1	136.7	136.7
82.5°	100.8	98.4	98.4	97.2	96.0
85°	58.8	60.0	60.0	57.6	58.8
87.5°	25.2	25.2	24.0	25.2	25.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)