

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: P314698

Luminaire Tested: **22FPSL2SCT3-3500K-MID**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314698
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: 22FPSL2SCT3-3500K-MID
Description: 2X2 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2694.3 lumens
Efficiency: N/A
Efficacy: 111.8 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

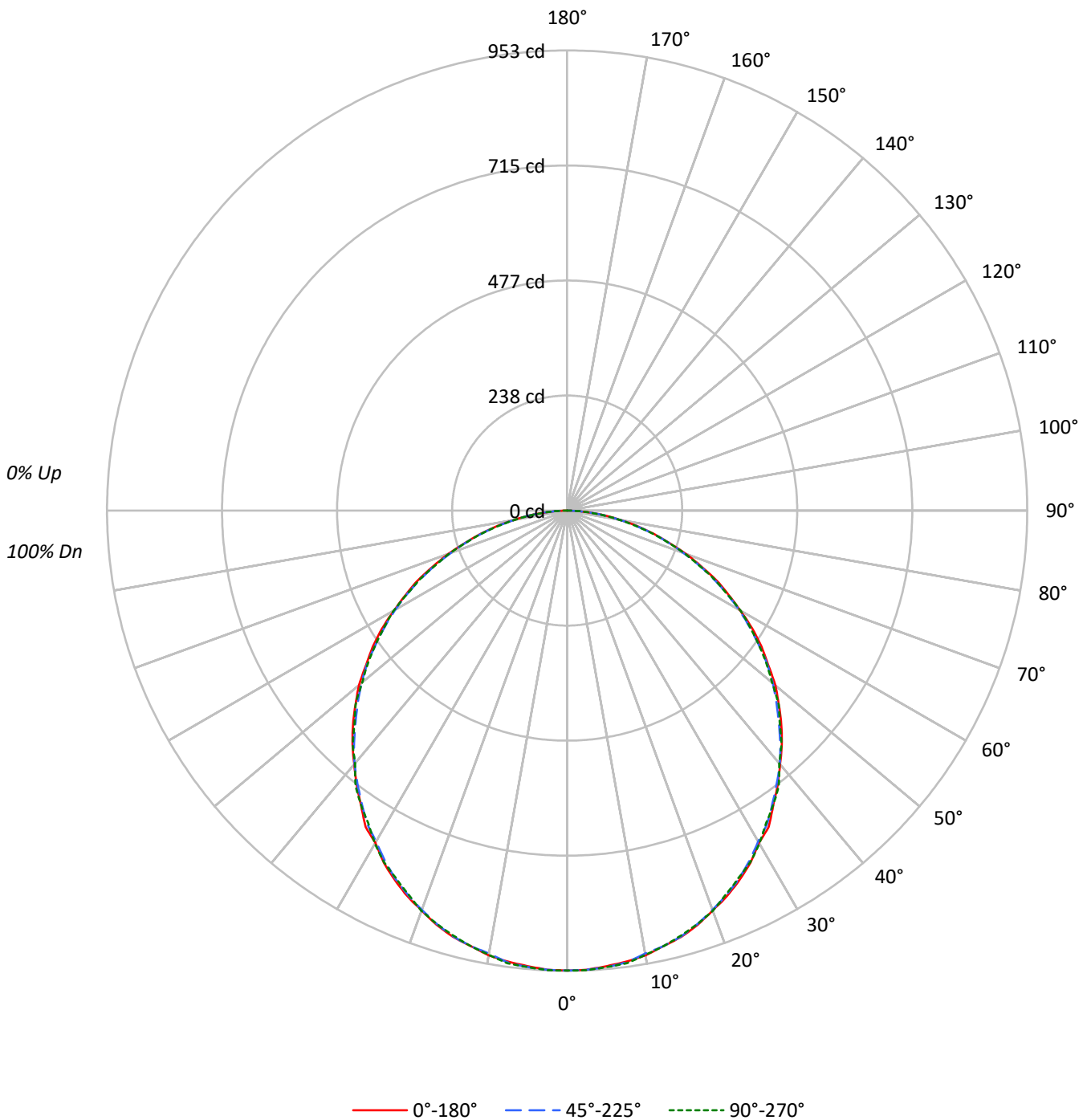
Input Watts (W): 24.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	78	96	88	82	77	85	79	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	73	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°	2563	2563	2563
5°	2558	2563	2563
10°	2555	2545	2553
15°	2546	2544	2538
20°	2523	2521	2526
25°	2507	2499	2493
30°	2468	2459	2474
35°	2444	2435	2444
40°	2410	2407	2400
45°	2387	2358	2369
50°	2356	2327	2319
55°	2305	2273	2273
60°	2228	2213	2234
65°	2169	2126	2139
70°	2057	2013	2035
75°	1927	1896	1896
80°	1736	1736	1705
85°	1460	1491	1460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	3.3
10°-20°	257.1	9.5
20°-30°	387.4	14.4
30°-40°	464.6	17.2
40°-50°	480.8	17.8
50°-60°	434.5	16.1
60°-70°	331.7	12.3
70°-80°	193.1	7.2
80°-90°	55.0	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°	734.6	27.3
0°-40°	1199.2	44.5
0°-60°	2114.5	78.5
0°-90°	2694.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2694.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	953	953	953	953	953	
5°	947	946	949	947	949	90
15°	914	912	913	913	911	258
25°	844	842	842	840	840	389
35°	744	744	741	741	744	466
45°	627	624	620	622	622	484
55°	491	487	484	484	484	438
65°	341	337	334	334	336	335
75°	185	183	182	180	182	195
85°	47	48	48	46	47	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	952.6	952.6	952.6	952.6	952.6
2.5°	951.6	952.6	951.6	950.6	952.6
5°	946.8	945.8	948.7	946.8	948.7
7.5°	942.0	938.1	943.9	945.8	945.8
10°	935.2	933.3	931.3	933.3	934.2
12.5°	923.6	924.6	923.6	925.6	923.6
15°	914.0	912.0	913.0	913.0	911.1
17.5°	899.5	893.7	897.6	894.7	897.6
20°	881.2	879.2	880.2	877.3	882.1
22.5°	864.7	860.9	861.9	859.9	859.9
25°	844.5	841.6	841.6	839.7	839.7
27.5°	822.3	821.3	817.5	815.5	821.3
30°	794.3	795.3	791.4	791.4	796.2
32.5°	776.9	770.2	770.2	767.3	767.3
35°	744.1	744.1	741.2	741.2	744.1
37.5°	716.1	714.2	713.2	714.2	720.0
40°	686.2	687.2	685.2	683.3	683.3
42.5°	658.2	656.3	653.4	652.4	657.2
45°	627.3	623.5	619.6	622.5	622.5
47.5°	594.5	592.6	587.8	588.7	594.5
50°	562.7	562.7	555.9	555.9	554.0
52.5°	525.0	522.1	522.1	520.2	520.2
55°	491.2	487.4	484.5	484.5	484.5
57.5°	454.6	452.6	447.8	447.8	448.8
60°	414.0	412.1	411.1	410.2	415.0
62.5°	376.4	374.5	372.5	373.5	372.5
65°	340.7	336.8	333.9	333.9	335.9
67.5°	299.2	299.2	295.3	294.4	294.4
70°	261.5	259.6	255.8	255.8	258.7
72.5°	220.0	221.0	219.1	219.1	218.1
75°	185.3	183.4	182.4	180.5	182.4
77.5°	148.6	146.7	145.7	143.8	143.8
80°	112.0	112.0	112.0	110.0	110.0
82.5°	81.1	79.1	79.1	78.2	77.2
85°	47.3	48.3	48.3	46.3	47.3
87.5°	20.3	20.3	19.3	20.3	20.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)