

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: P314701

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314701
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-MID
Description: 2X2 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2735.8 lumens
Efficiency: N/A
Efficacy: 113.5 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

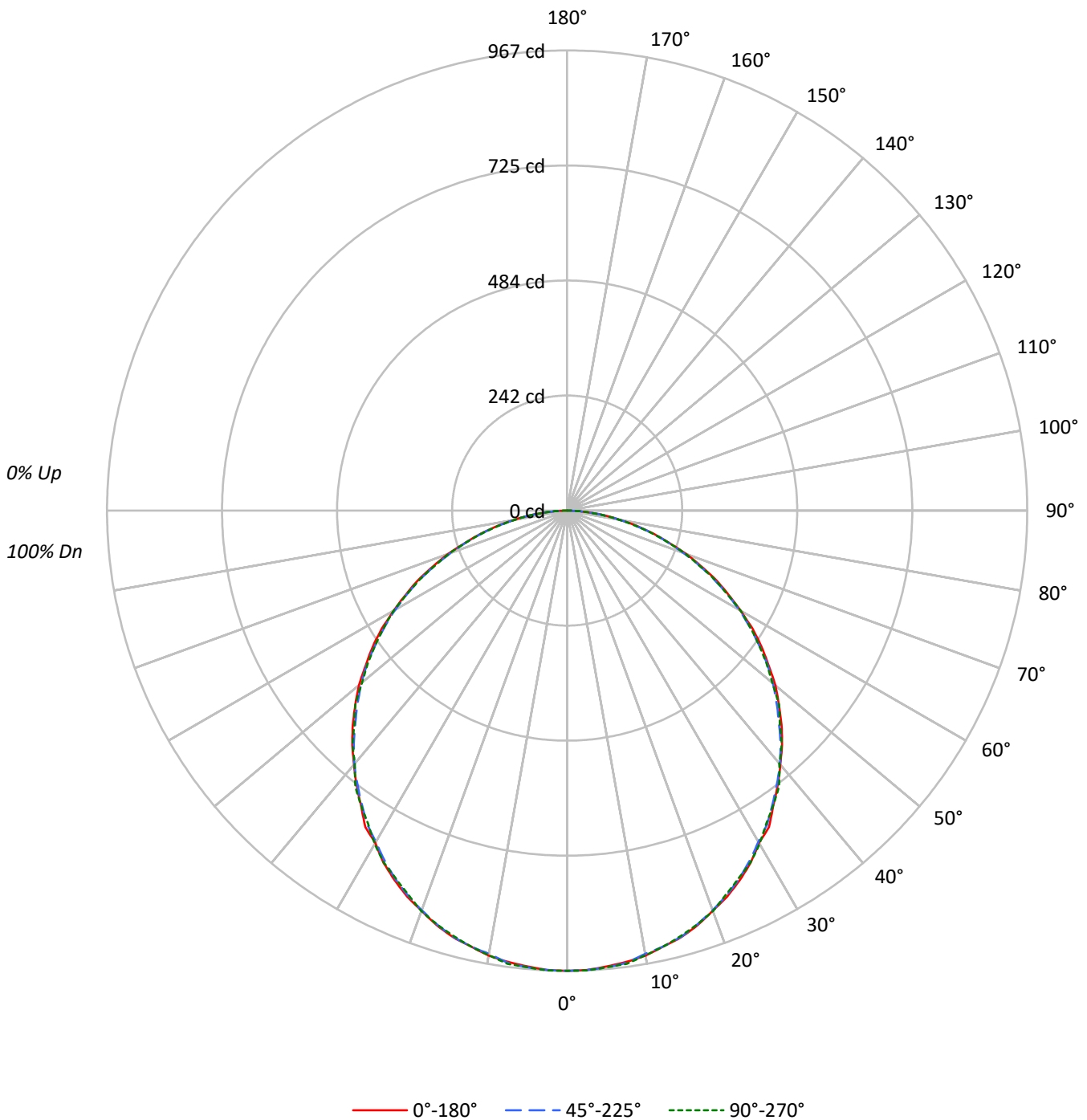
Input Watts (W): 24.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	54	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°	2603	2603	2603
5°	2597	2602	2602
10°	2595	2584	2592
15°	2585	2583	2577
20°	2562	2559	2565
25°	2546	2537	2532
30°	2506	2497	2512
35°	2482	2472	2482
40°	2448	2444	2437
45°	2424	2394	2406
50°	2392	2363	2355
55°	2340	2308	2308
60°	2263	2247	2268
65°	2202	2159	2171
70°	2090	2043	2066
75°	1957	1926	1926
80°	1762	1762	1731
85°	1482	1513	1482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	3.3
10°-20°	261.1	9.5
20°-30°	393.4	14.4
30°-40°	471.7	17.2
40°-50°	488.2	17.8
50°-60°	441.2	16.1
60°-70°	336.9	12.3
70°-80°	196.1	7.2
80°-90°	55.8	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°	745.9	27.3
0°-40°	1217.6	44.5
0°-60°	2147.0	78.5
0°-90°	2735.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2735.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	967	967	967	967	967	
5°	961	960	963	961	963	91
15°	928	926	927	927	925	262
25°	858	854	854	853	853	395
35°	756	756	753	753	756	473
45°	637	633	629	632	632	491
55°	499	495	492	492	492	445
65°	346	342	339	339	341	340
75°	188	186	185	183	185	198
85°	48	49	49	47	48	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	967.2	967.2	967.2	967.2	967.2
2.5°	966.3	967.2	966.3	965.3	967.2
5°	961.4	960.4	963.3	961.4	963.3
7.5°	956.5	952.5	958.4	960.4	960.4
10°	949.6	947.6	945.7	947.6	948.6
12.5°	937.8	938.8	937.8	939.8	937.8
15°	928.0	926.1	927.1	927.1	925.1
17.5°	913.3	907.5	911.4	908.4	911.4
20°	894.7	892.8	893.7	890.8	895.7
22.5°	878.1	874.1	875.1	873.2	873.2
25°	857.5	854.5	854.5	852.6	852.6
27.5°	834.9	834.0	830.0	828.1	834.0
30°	806.5	807.5	803.6	803.6	808.5
32.5°	788.9	782.0	782.0	779.1	779.1
35°	755.6	755.6	752.6	752.6	755.6
37.5°	727.1	725.2	724.2	725.2	731.1
40°	696.8	697.7	695.8	693.8	693.8
42.5°	668.3	666.4	663.4	662.5	667.4
45°	637.0	633.1	629.2	632.1	632.1
47.5°	603.7	601.7	596.8	597.8	603.7
50°	571.3	571.3	564.5	564.5	562.5
52.5°	533.1	530.2	530.2	528.2	528.2
55°	498.8	494.9	492.0	492.0	492.0
57.5°	461.6	459.6	454.7	454.7	455.7
60°	420.4	418.5	417.5	416.5	421.4
62.5°	382.2	380.2	378.3	379.3	378.3
65°	345.9	342.0	339.1	339.1	341.0
67.5°	303.8	303.8	299.9	298.9	298.9
70°	265.6	263.6	259.7	259.7	262.6
72.5°	223.4	224.4	222.5	222.5	221.5
75°	188.2	186.2	185.2	183.3	185.2
77.5°	150.9	149.0	148.0	146.0	146.0
80°	113.7	113.7	113.7	111.7	111.7
82.5°	82.3	80.4	80.4	79.4	78.4
85°	48.0	49.0	49.0	47.0	48.0
87.5°	20.6	20.6	19.6	20.6	20.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)