

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: P566400

Luminaire Tested: **4SNX-41SL-LW-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566400  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-41SL-LW-UNV-L840-CD  
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

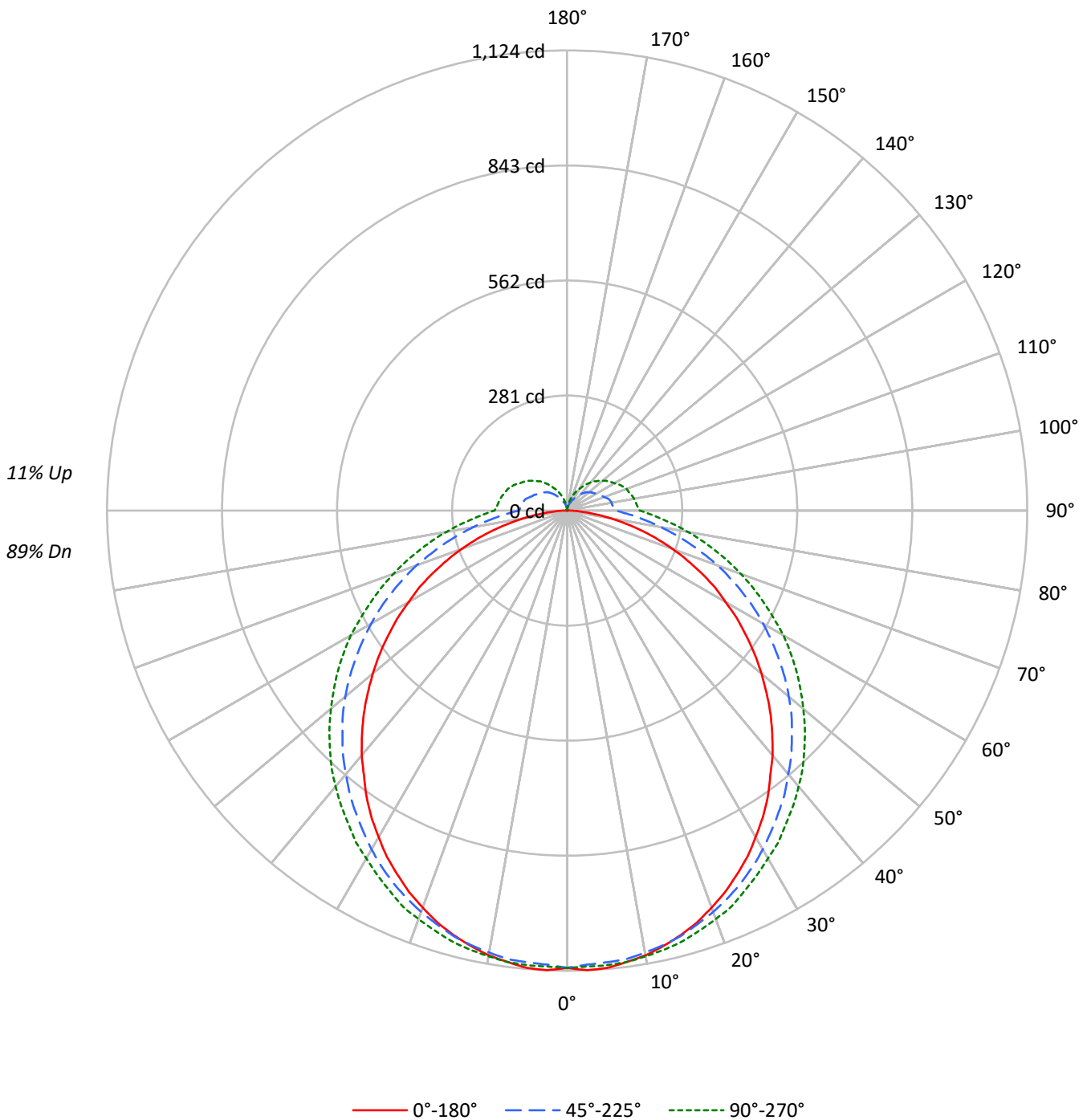
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3976.0 lumens  
Efficiency: N/A  
Efficacy: 151.2 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 26.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	12022	12022	12022
5°	12074	11466	11380
10°	11969	11008	10811
15°	11826	10566	10298
20°	11641	10107	9786
25°	11429	9666	9285
30°	11180	9214	8804
35°	10908	8759	8355
40°	10599	8315	7927
45°	10265	7872	7488
50°	9883	7414	7027
55°	9464	6903	6575
60°	8969	6371	6097
65°	8452	5797	5552
70°	7737	5185	5017
75°	6795	4473	4448
80°	5310	3754	3882
85°	3472	3087	3300



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.1	2.7
10°-20°	304.9	7.7
20°-30°	463.6	11.7
30°-40°	562.8	14.2
40°-50°	594.7	15.0
50°-60°	556.5	14.0
60°-70°	456.6	11.5
70°-80°	314.1	7.9
80°-90°	172.0	4.3
90°-100°	110.8	2.8
100°-110°	99.4	2.5
110°-120°	82.3	2.1
120°-130°	63.3	1.6
130°-140°	44.5	1.1
140°-150°	26.8	0.7
150°-160°	12.8	0.3
160°-170°	4.2	0.1
170°-180°	0.5	0.0
0°-30°	874.6	22.0
0°-40°	1437.4	36.2
0°-60°	2588.7	65.1
0°-90°	3531.4	88.8
90°-120°	292.4	7.4
90°-150°	427.1	10.7
90°-180°	445.0	11.2
0°-180°	3976.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1117	1117	1117	1117	1117	
5°	1122	1119	1108	1117	1115	106
15°	1073	1078	1075	1089	1089	303
25°	981	992	1004	1025	1025	452
35°	854	875	900	926	933	534
45°	702	735	776	811	820	541
55°	534	578	631	670	684	478
65°	362	410	472	516	530	358
75°	189	240	309	357	373	199
85°	42	99	168	214	230	48
90°	0	55	117	161	177	3
95°	0	53	113	154	170	0
105°	0	44	106	145	159	2
115°	2	39	90	129	145	2
125°	2	32	76	110	124	2
135°	2	25	62	90	101	2
145°	2	18	44	69	76	1
155°	2	12	28	44	51	1
165°	2	7	14	21	25	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1116.9	1116.9	1116.9	1116.9	1116.9
2.5°	1123.8	1121.5	1110.0	1119.2	1114.6
5°	1121.5	1119.2	1107.7	1116.9	1114.6
7.5°	1112.3	1112.3	1105.4	1114.6	1112.3
10°	1103.1	1103.1	1096.1	1107.7	1105.4
12.5°	1089.2	1091.5	1086.9	1100.7	1098.4
15°	1073.1	1077.7	1075.4	1089.2	1089.2
17.5°	1054.7	1059.3	1059.3	1075.4	1075.4
20°	1031.7	1038.6	1043.2	1061.6	1061.6
22.5°	1008.6	1017.8	1024.8	1040.9	1047.8
25°	981.0	992.5	1004.0	1024.8	1024.8
27.5°	953.4	967.2	981.0	1001.7	1004.0
30°	921.1	937.2	955.7	976.4	981.0
32.5°	888.9	909.6	928.0	953.4	960.3
35°	854.3	875.1	900.4	925.7	932.6
37.5°	815.2	840.5	872.8	900.4	907.3
40°	780.7	808.3	840.5	872.8	879.7
42.5°	741.5	771.4	810.6	840.5	852.0
45°	702.4	734.6	776.1	810.6	819.8
47.5°	660.9	697.8	743.8	776.1	787.6
50°	619.5	658.6	707.0	743.8	753.0
52.5°	578.0	619.5	670.1	707.0	718.5
55°	534.3	578.0	631.0	670.1	683.9
57.5°	492.8	536.6	591.8	633.3	647.1
60°	446.7	497.4	552.7	594.1	610.2
62.5°	407.6	453.7	513.5	555.0	568.8
65°	361.5	409.9	472.1	515.8	529.6
67.5°	317.8	368.5	430.6	476.7	490.5
70°	274.0	324.7	391.5	435.2	451.4
72.5°	230.3	283.2	347.7	396.1	412.2
75°	188.8	239.5	308.6	356.9	373.1
77.5°	145.1	200.3	269.4	317.8	336.2
80°	105.9	163.5	232.6	280.9	299.4
82.5°	71.4	129.0	198.0	246.4	264.8
85°	41.5	99.0	168.1	214.2	230.3
87.5°	20.7	76.0	140.5	186.5	202.6
90°	0.0	55.3	117.4	161.2	177.3
92.5°	0.0	53.0	115.1	156.6	172.7
95°	0.0	53.0	112.8	154.3	170.4
97.5°	0.0	50.7	110.5	154.3	168.1
100°	0.0	48.4	110.5	152.0	165.8
102.5°	0.0	46.1	108.2	149.7	163.5
105°	0.0	43.8	105.9	145.1	158.9
107.5°	2.3	43.8	101.3	142.8	156.6
110°	2.3	41.5	96.7	140.5	154.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	39.1	92.1	135.9	149.7
115°	2.3	39.1	89.8	129.0	145.1
117.5°	2.3	36.8	85.2	124.4	140.5
120°	2.3	36.8	82.9	119.7	133.6
122.5°	2.3	34.5	78.3	115.1	129.0
125°	2.3	32.2	76.0	110.5	124.4
127.5°	2.3	29.9	73.7	105.9	119.7
130°	2.3	27.6	69.1	101.3	112.8
132.5°	2.3	27.6	66.8	94.4	108.2
135°	2.3	25.3	62.2	89.8	101.3
137.5°	2.3	23.0	57.6	85.2	96.7
140°	2.3	20.7	53.0	80.6	89.8
142.5°	2.3	20.7	48.4	73.7	82.9
145°	2.3	18.4	43.8	69.1	76.0
147.5°	2.3	16.1	39.1	62.2	69.1
150°	2.3	16.1	34.5	55.3	62.2
152.5°	2.3	13.8	29.9	50.7	57.6
155°	2.3	11.5	27.6	43.8	50.7
157.5°	2.3	11.5	23.0	36.8	43.8
160°	2.3	9.2	20.7	29.9	36.8
162.5°	2.3	9.2	18.4	25.3	32.2
165°	2.3	6.9	13.8	20.7	25.3
167.5°	2.3	6.9	11.5	16.1	20.7
170°	2.3	4.6	9.2	11.5	16.1
172.5°	2.3	4.6	6.9	6.9	6.9
175°	2.3	2.3	4.6	4.6	2.3
177.5°	2.3	2.3	2.3	2.3	2.3
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)