

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: P566376

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566376  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-41SL-FDL-UNV-L840-CD  
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

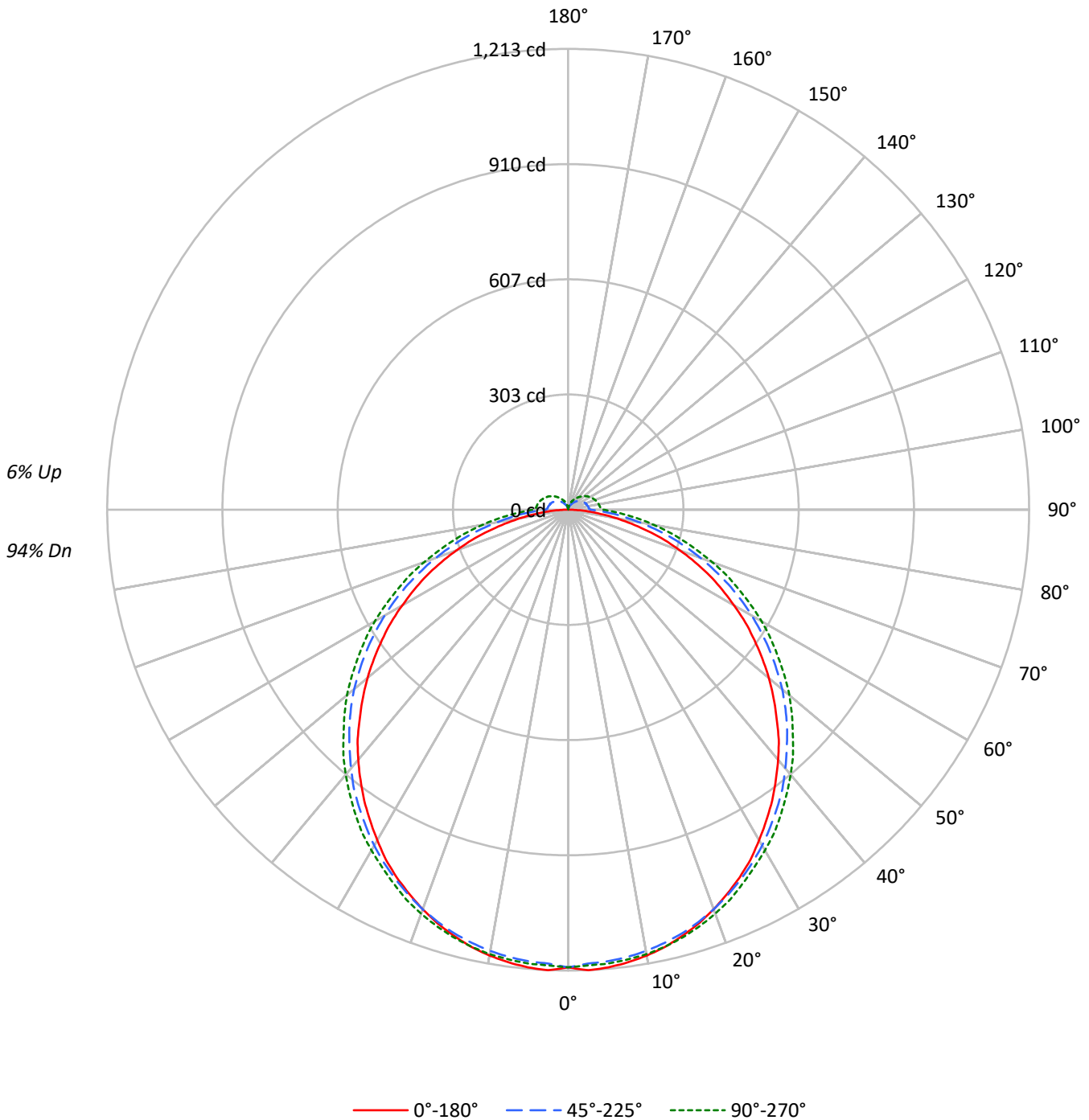
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3828.0 lumens  
Efficiency: N/A  
Efficacy: 145.6 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')  
CIE Type: 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	118	118	118	118	114	114	114	114	108	108	108		102	102	102		97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87		88	86	83		84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71		77	73	69		73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59		68	62	57		64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50		60	54	49		57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43		54	47	42		51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38		49	42	37		47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33		44	38	33		43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30		41	34	29		39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27		37	31	26		36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24		35	28	24		33	28	24	22

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

	0°	45°	90°
0°	12966	12966	12966
5°	13055	12752	12771
10°	13001	12613	12611
15°	12904	12454	12431
20°	12772	12261	12219
25°	12619	12050	11968
30°	12412	11833	11736
35°	12204	11580	11494
40°	11974	11300	11223
45°	11683	11023	10905
50°	11403	10707	10616
55°	11056	10317	10214
60°	10664	9870	9818
65°	10252	9336	9273
70°	9540	8666	8706
75°	8683	7877	8030
80°	7422	6832	7278
85°	5838	5923	6398



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.2	3.0
10°-20°	327.8	8.6
20°-30°	496.8	13.0
30°-40°	599.7	15.7
40°-50°	626.2	16.4
50°-60°	575.3	15.0
60°-70°	455.0	11.9
70°-80°	287.9	7.5
80°-90°	123.8	3.2
90°-100°	54.5	1.4
100°-110°	48.8	1.3
110°-120°	41.2	1.1
120°-130°	32.1	0.8
130°-140°	22.2	0.6
140°-150°	13.3	0.3
150°-160°	6.5	0.2
160°-170°	2.3	0.1
170°-180°	0.3	0.0
0°-30°	938.8	24.5
0°-40°	1538.6	40.2
0°-60°	2740.1	71.6
0°-90°	3606.8	94.2
90°-120°	144.4	3.8
90°-150°	212.1	5.5
90°-180°	221.0	5.8
0°-180°	3828.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1205	1205	1205	1205	1205	
5°	1209	1206	1193	1203	1199	115
15°	1161	1161	1155	1167	1165	328
25°	1068	1072	1074	1088	1086	492
35°	936	946	958	973	977	585
45°	776	794	815	830	836	599
55°	598	622	648	669	674	535
65°	412	434	465	487	494	405
75°	217	243	278	302	313	230
85°	53	81	117	142	150	58
90°	3	29	60	83	92	4
95°	1	25	54	76	84	1
105°	1	23	51	71	79	1
115°	1	20	46	64	71	1
125°	1	18	39	56	62	1
135°	1	14	31	44	50	1
145°	1	10	22	33	37	1
155°	1	7	14	21	25	1
165°	2	5	8	10	14	1
175°	2	3	3	3	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1204.6	1204.6	1204.6	1204.6	1204.6
2.5°	1213.4	1209.3	1195.8	1205.3	1200.5
5°	1209.3	1206.0	1193.1	1203.2	1199.2
7.5°	1201.9	1199.2	1187.7	1198.5	1194.4
10°	1191.7	1189.7	1179.5	1190.4	1187.7
12.5°	1178.8	1178.2	1168.0	1180.2	1178.2
15°	1161.2	1161.2	1155.1	1167.3	1165.3
17.5°	1142.2	1142.9	1138.2	1151.0	1149.7
20°	1119.2	1122.6	1119.2	1132.7	1131.4
22.5°	1094.1	1098.8	1097.5	1111.1	1111.7
25°	1067.7	1072.4	1073.8	1088.0	1086.0
27.5°	1038.5	1046.0	1048.7	1061.6	1060.9
30°	1004.6	1014.8	1020.9	1031.7	1035.1
32.5°	970.1	982.3	989.7	1004.6	1008.7
35°	935.5	946.3	958.5	973.4	976.8
37.5°	897.5	909.7	926.0	940.2	944.3
40°	859.6	873.1	888.7	904.3	910.4
42.5°	820.2	834.5	851.4	869.7	875.8
45°	775.5	794.5	814.8	830.4	835.8
47.5°	732.8	753.8	775.5	792.4	798.5
50°	689.4	711.8	734.8	750.4	759.9
52.5°	644.0	668.4	691.4	711.1	717.2
55°	597.9	622.3	648.1	669.1	673.8
57.5°	553.2	576.9	602.6	622.3	631.8
60°	504.3	530.1	557.9	577.6	587.7
62.5°	456.9	482.0	511.8	532.8	541.0
65°	411.5	434.5	465.0	486.7	494.2
67.5°	361.3	387.7	416.9	442.0	451.5
70°	311.8	336.9	370.1	393.9	403.3
72.5°	265.7	290.1	323.4	347.1	355.9
75°	216.9	242.7	277.9	301.7	313.2
77.5°	170.1	198.6	232.5	258.3	271.2
80°	126.8	151.8	188.5	216.9	228.4
82.5°	86.1	113.2	151.2	177.6	190.5
85°	52.9	81.3	116.6	141.7	150.5
87.5°	25.1	52.2	84.7	109.1	120.0
90°	3.4	29.1	59.7	83.4	92.2
92.5°	0.7	25.1	54.9	77.3	85.4
95°	0.7	25.1	54.2	75.9	84.1
97.5°	0.7	24.4	53.6	75.2	82.7
100°	0.7	23.7	52.9	73.9	82.0
102.5°	0.7	23.7	51.5	72.5	80.0
105°	0.7	23.0	50.8	71.2	78.6
107.5°	0.7	22.4	49.5	69.8	77.3
110°	0.7	21.0	48.8	67.8	75.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	20.3	47.5	66.4	73.2
115°	0.7	19.7	46.1	64.4	71.2
117.5°	0.7	19.0	44.1	62.4	69.1
120°	1.4	19.0	42.7	60.3	66.4
122.5°	1.4	18.3	40.7	57.6	63.7
125°	1.4	17.6	38.6	55.6	61.7
127.5°	1.4	16.9	36.6	52.9	58.3
130°	1.4	15.6	35.2	50.2	55.6
132.5°	1.4	14.9	33.2	46.8	52.2
135°	1.4	13.6	31.2	44.1	49.5
137.5°	1.4	12.9	29.1	41.4	46.1
140°	1.4	12.2	26.4	38.6	43.4
142.5°	1.4	10.8	24.4	35.9	40.0
145°	1.4	10.2	21.7	33.2	36.6
147.5°	1.4	8.8	19.7	30.5	33.9
150°	1.4	8.1	17.6	27.8	31.2
152.5°	1.4	7.5	15.6	24.4	27.8
155°	1.4	6.8	14.2	21.0	25.1
157.5°	1.4	6.1	12.2	18.3	22.4
160°	2.0	5.4	10.8	15.6	19.0
162.5°	2.0	4.7	8.8	12.9	16.9
165°	2.0	4.7	7.5	10.2	14.2
167.5°	2.0	4.1	6.1	8.1	11.5
170°	2.0	3.4	5.4	6.1	8.8
172.5°	2.0	2.7	4.1	4.1	4.7
175°	2.0	2.7	3.4	3.4	2.0
177.5°	2.0	2.0	2.0	2.0	1.4
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)