

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: P566406

Luminaire Tested: **4SNX-41SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566406  
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-SLW-UNV-L830-CD  
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

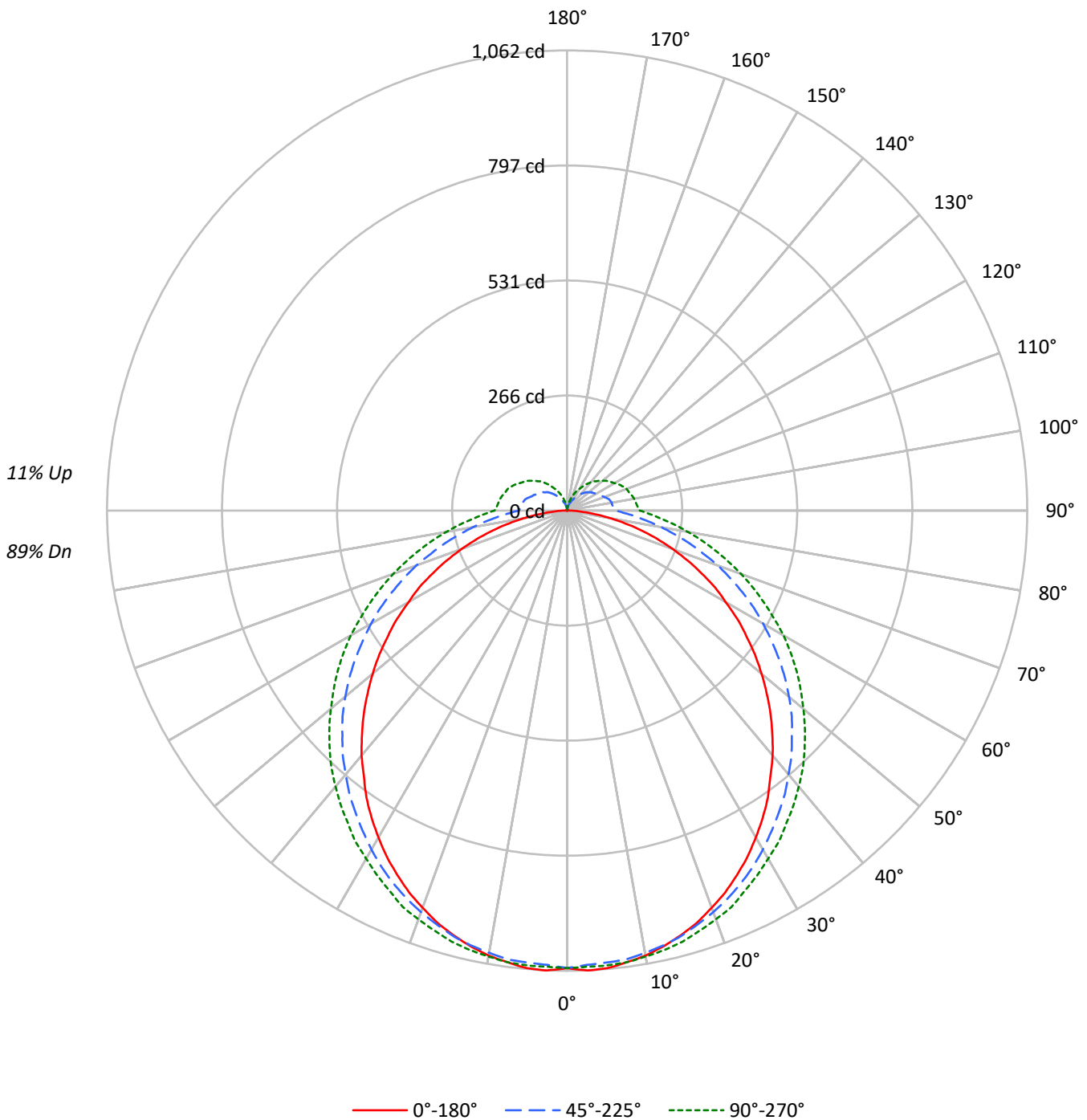
Lumens per Lamp: N/A  
Luminaire Lumens: 3759.0 lumens  
Efficiency: N/A  
Efficacy: 142.9 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 26.3  
Input Voltage (V): NR  
Input Current (Ain): 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°	11366	11366	11366
5°	11436	11073	11064
10°	11356	10850	10790
15°	11243	10620	10538
20°	11089	10356	10258
25°	10910	10099	9964
30°	10696	9816	9674
35°	10461	9523	9400
40°	10192	9234	9140
45°	9902	8939	8858
50°	9571	8628	8542
55°	9206	8254	8231
60°	8778	7855	7885
65°	8335	7406	7449
70°	7714	6911	7023
75°	6890	6283	6551
80°	5552	5645	6085
85°	3913	5096	5607



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.3	2.7
10°-20°	288.3	7.7
20°-30°	438.3	11.7
30°-40°	532.1	14.2
40°-50°	562.3	15.0
50°-60°	526.1	14.0
60°-70°	431.7	11.5
70°-80°	296.9	7.9
80°-90°	162.6	4.3
90°-100°	104.7	2.8
100°-110°	94.0	2.5
110°-120°	77.8	2.1
120°-130°	59.9	1.6
130°-140°	42.1	1.1
140°-150°	25.4	0.7
150°-160°	12.1	0.3
160°-170°	4.0	0.1
170°-180°	0.5	0.0
0°-30°	826.9	22.0
0°-40°	1359.0	36.2
0°-60°	2447.4	65.1
0°-90°	3338.6	88.8
90°-120°	276.5	7.4
90°-150°	403.8	10.7
90°-180°	420.0	11.2
0°-180°	3759.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1056	1056	1056	1056	1056	
5°	1060	1058	1047	1056	1054	101
15°	1014	1019	1017	1030	1030	286
25°	928	938	949	969	969	427
35°	808	827	851	875	882	505
45°	664	694	734	766	775	512
55°	505	546	596	634	647	452
65°	342	388	446	488	501	339
75°	178	226	292	338	353	188
85°	39	94	159	202	218	45
90°	0	52	111	152	168	3
95°	0	50	107	146	161	0
105°	0	41	100	137	150	1
115°	2	37	85	122	137	2
125°	2	30	72	104	118	2
135°	2	24	59	85	96	2
145°	2	17	41	65	72	1
155°	2	11	26	41	48	1
165°	2	6	13	20	24	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1055.9	1055.9	1055.9	1055.9	1055.9
2.5°	1062.4	1060.3	1049.4	1058.1	1053.7
5°	1060.3	1058.1	1047.2	1055.9	1053.7
7.5°	1051.6	1051.6	1045.0	1053.7	1051.6
10°	1042.8	1042.8	1036.3	1047.2	1045.0
12.5°	1029.8	1032.0	1027.6	1040.7	1038.5
15°	1014.5	1018.9	1016.7	1029.8	1029.8
17.5°	997.1	1001.5	1001.5	1016.7	1016.7
20°	975.4	981.9	986.2	1003.7	1003.7
22.5°	953.6	962.3	968.8	984.1	990.6
25°	927.5	938.3	949.2	968.8	968.8
27.5°	901.3	914.4	927.5	947.1	949.2
30°	870.9	886.1	903.5	923.1	927.5
32.5°	840.4	860.0	877.4	901.3	907.9
35°	807.7	827.3	851.3	875.2	881.7
37.5°	770.7	794.7	825.1	851.3	857.8
40°	738.0	764.2	794.7	825.1	831.7
42.5°	701.0	729.3	766.4	794.7	805.5
45°	664.0	694.5	733.7	766.4	775.1
47.5°	624.8	659.7	703.2	733.7	744.6
50°	585.7	622.7	668.4	703.2	711.9
52.5°	546.5	585.7	633.5	668.4	679.3
55°	505.1	546.5	596.5	633.5	646.6
57.5°	465.9	507.3	559.5	598.7	611.8
60°	422.4	470.3	522.5	561.7	576.9
62.5°	385.4	428.9	485.5	524.7	537.8
65°	341.8	387.5	446.3	487.7	500.7
67.5°	300.4	348.3	407.1	450.7	463.7
70°	259.1	307.0	370.1	411.5	426.7
72.5°	217.7	267.8	328.7	374.5	389.7
75°	178.5	226.4	291.7	337.5	352.7
77.5°	137.2	189.4	254.7	300.4	317.9
80°	100.1	154.6	219.9	265.6	283.0
82.5°	67.5	121.9	187.2	233.0	250.4
85°	39.2	93.6	158.9	202.5	217.7
87.5°	19.6	71.8	132.8	176.3	191.6
90°	0.0	52.3	111.0	152.4	167.6
92.5°	0.0	50.1	108.9	148.0	163.3
95°	0.0	50.1	106.7	145.9	161.1
97.5°	0.0	47.9	104.5	145.9	158.9
100°	0.0	45.7	104.5	143.7	156.8
102.5°	0.0	43.5	102.3	141.5	154.6
105°	0.0	41.4	100.1	137.2	150.2
107.5°	2.2	41.4	95.8	135.0	148.0
110°	2.2	39.2	91.4	132.8	145.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	37.0	87.1	128.5	141.5
115°	2.2	37.0	84.9	121.9	137.2
117.5°	2.2	34.8	80.6	117.6	132.8
120°	2.2	34.8	78.4	113.2	126.3
122.5°	2.2	32.7	74.0	108.9	121.9
125°	2.2	30.5	71.8	104.5	117.6
127.5°	2.2	28.3	69.7	100.1	113.2
130°	2.2	26.1	65.3	95.8	106.7
132.5°	2.2	26.1	63.1	89.3	102.3
135°	2.2	23.9	58.8	84.9	95.8
137.5°	2.2	21.8	54.4	80.6	91.4
140°	2.2	19.6	50.1	76.2	84.9
142.5°	2.2	19.6	45.7	69.7	78.4
145°	2.2	17.4	41.4	65.3	71.8
147.5°	2.2	15.2	37.0	58.8	65.3
150°	2.2	15.2	32.7	52.3	58.8
152.5°	2.2	13.1	28.3	47.9	54.4
155°	2.2	10.9	26.1	41.4	47.9
157.5°	2.2	10.9	21.8	34.8	41.4
160°	2.2	8.7	19.6	28.3	34.8
162.5°	2.2	8.7	17.4	23.9	30.5
165°	2.2	6.5	13.1	19.6	23.9
167.5°	2.2	6.5	10.9	15.2	19.6
170°	2.2	4.4	8.7	10.9	15.2
172.5°	2.2	4.4	6.5	6.5	6.5
175°	2.2	2.2	4.4	4.4	2.2
177.5°	2.2	2.2	2.2	2.2	2.2
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)