

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: P566413

Luminaire Tested: **4SNX-41SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566413  
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-L950-CD  
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

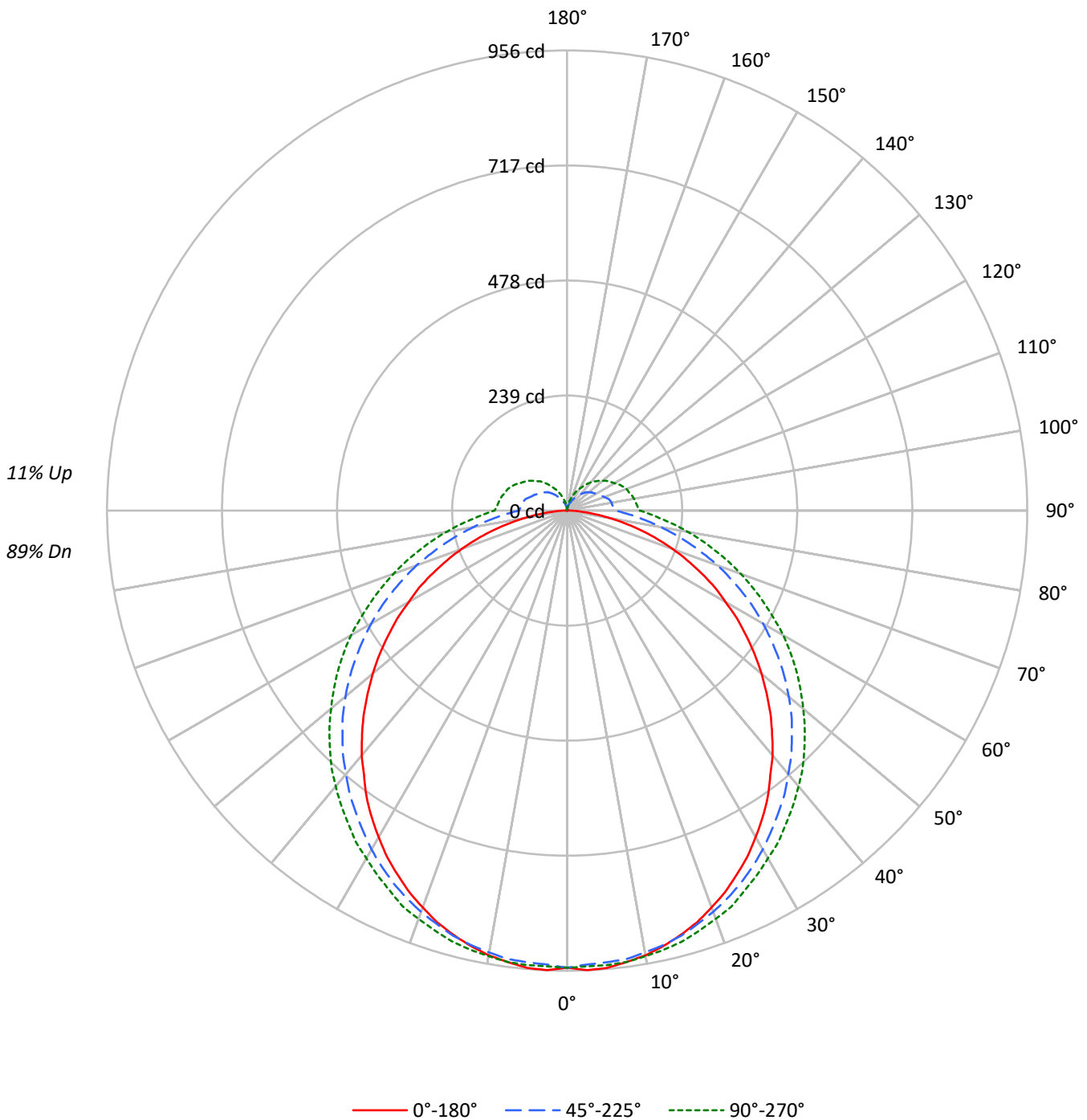
Lumens per Lamp: N/A  
Luminaire Lumens: 3381.0 lumens  
Efficiency: N/A  
Efficacy: 128.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

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	76	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°	10222	10222	10222
5°	10285	9960	9952
10°	10215	9759	9705
15°	10112	9552	9478
20°	9974	9316	9225
25°	9813	9084	8962
30°	9620	8830	8701
35°	9410	8566	8456
40°	9168	8304	8220
45°	8908	8040	7967
50°	8609	7761	7683
55°	8280	7424	7404
60°	7895	7066	7092
65°	7496	6661	6701
70°	6937	6217	6317
75°	6199	5652	5892
80°	4997	5078	5474
85°	3514	4583	5043



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.2	2.7
10°-20°	259.3	7.7
20°-30°	394.3	11.7
30°-40°	478.6	14.2
40°-50°	505.7	15.0
50°-60°	473.2	14.0
60°-70°	388.3	11.5
70°-80°	267.1	7.9
80°-90°	146.3	4.3
90°-100°	94.2	2.8
100°-110°	84.5	2.5
110°-120°	70.0	2.1
120°-130°	53.9	1.6
130°-140°	37.9	1.1
140°-150°	22.8	0.7
150°-160°	10.9	0.3
160°-170°	3.6	0.1
170°-180°	0.4	0.0
0°-30°	743.7	22.0
0°-40°	1222.3	36.2
0°-60°	2201.3	65.1
0°-90°	3002.9	88.8
90°-120°	248.7	7.4
90°-150°	363.2	10.7
90°-180°	378.0	11.2
0°-180°	3381.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	950	950	950	950	950	
5°	954	952	942	950	948	90
15°	912	916	914	926	926	257
25°	834	844	854	871	871	384
35°	726	744	766	787	793	454
45°	597	625	660	689	697	460
55°	454	492	536	570	582	407
65°	307	349	401	439	450	304
75°	161	204	262	304	317	169
85°	35	84	143	182	196	41
90°	0	47	100	137	151	2
95°	0	45	96	131	145	0
105°	0	37	90	123	135	1
115°	2	33	76	110	123	2
125°	2	27	65	94	106	2
135°	2	22	53	76	86	2
145°	2	16	37	59	65	1
155°	2	10	24	37	43	1
165°	2	6	12	18	22	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°	949.7	949.7	949.7	949.7	949.7
2.5°	955.6	953.6	943.9	951.7	947.8
5°	953.6	951.7	941.9	949.7	947.8
7.5°	945.8	945.8	939.9	947.8	945.8
10°	938.0	938.0	932.1	941.9	939.9
12.5°	926.2	928.2	924.3	936.0	934.1
15°	912.5	916.4	914.5	926.2	926.2
17.5°	896.9	900.8	900.8	914.5	914.5
20°	877.3	883.2	887.1	902.7	902.7
22.5°	857.7	865.5	871.4	885.1	891.0
25°	834.2	844.0	853.8	871.4	871.4
27.5°	810.7	822.4	834.2	851.8	853.8
30°	783.3	797.0	812.7	830.3	834.2
32.5°	755.9	773.5	789.2	810.7	816.6
35°	726.5	744.1	765.7	787.2	793.1
37.5°	693.2	714.7	742.2	765.7	771.5
40°	663.8	687.3	714.7	742.2	748.0
42.5°	630.5	656.0	689.3	714.7	724.5
45°	597.3	624.7	659.9	689.3	697.1
47.5°	562.0	593.3	632.5	659.9	669.7
50°	526.8	560.0	601.2	632.5	640.3
52.5°	491.5	526.8	569.8	601.2	611.0
55°	454.3	491.5	536.5	569.8	581.6
57.5°	419.1	456.3	503.3	538.5	550.3
60°	379.9	423.0	470.0	505.2	518.9
62.5°	346.6	385.8	436.7	471.9	483.7
65°	307.4	348.6	401.4	438.6	450.4
67.5°	270.2	313.3	366.2	405.3	417.1
70°	233.0	276.1	332.9	370.1	383.8
72.5°	195.8	240.9	295.7	336.8	350.5
75°	160.6	203.7	262.4	303.5	317.2
77.5°	123.4	170.4	229.1	270.2	285.9
80°	90.1	139.0	197.8	238.9	254.6
82.5°	60.7	109.7	168.4	209.5	225.2
85°	35.2	84.2	142.9	182.1	195.8
87.5°	17.6	64.6	119.5	158.6	172.3
90°	0.0	47.0	99.9	137.1	150.8
92.5°	0.0	45.0	97.9	133.2	146.9
95°	0.0	45.0	96.0	131.2	144.9
97.5°	0.0	43.1	94.0	131.2	142.9
100°	0.0	41.1	94.0	129.2	141.0
102.5°	0.0	39.2	92.0	127.3	139.0
105°	0.0	37.2	90.1	123.4	135.1
107.5°	2.0	37.2	86.2	121.4	133.2
110°	2.0	35.2	82.2	119.5	131.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	33.3	78.3	115.5	127.3
115°	2.0	33.3	76.4	109.7	123.4
117.5°	2.0	31.3	72.5	105.7	119.5
120°	2.0	31.3	70.5	101.8	113.6
122.5°	2.0	29.4	66.6	97.9	109.7
125°	2.0	27.4	64.6	94.0	105.7
127.5°	2.0	25.5	62.7	90.1	101.8
130°	2.0	23.5	58.7	86.2	96.0
132.5°	2.0	23.5	56.8	80.3	92.0
135°	2.0	21.5	52.9	76.4	86.2
137.5°	2.0	19.6	49.0	72.5	82.2
140°	2.0	17.6	45.0	68.5	76.4
142.5°	2.0	17.6	41.1	62.7	70.5
145°	2.0	15.7	37.2	58.7	64.6
147.5°	2.0	13.7	33.3	52.9	58.7
150°	2.0	13.7	29.4	47.0	52.9
152.5°	2.0	11.7	25.5	43.1	49.0
155°	2.0	9.8	23.5	37.2	43.1
157.5°	2.0	9.8	19.6	31.3	37.2
160°	2.0	7.8	17.6	25.5	31.3
162.5°	2.0	7.8	15.7	21.5	27.4
165°	2.0	5.9	11.7	17.6	21.5
167.5°	2.0	5.9	9.8	13.7	17.6
170°	2.0	3.9	7.8	9.8	13.7
172.5°	2.0	3.9	5.9	5.9	5.9
175°	2.0	2.0	3.9	3.9	2.0
177.5°	2.0	2.0	2.0	2.0	2.0
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)