

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: P566391

Luminaire Tested: **4SNX-41SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

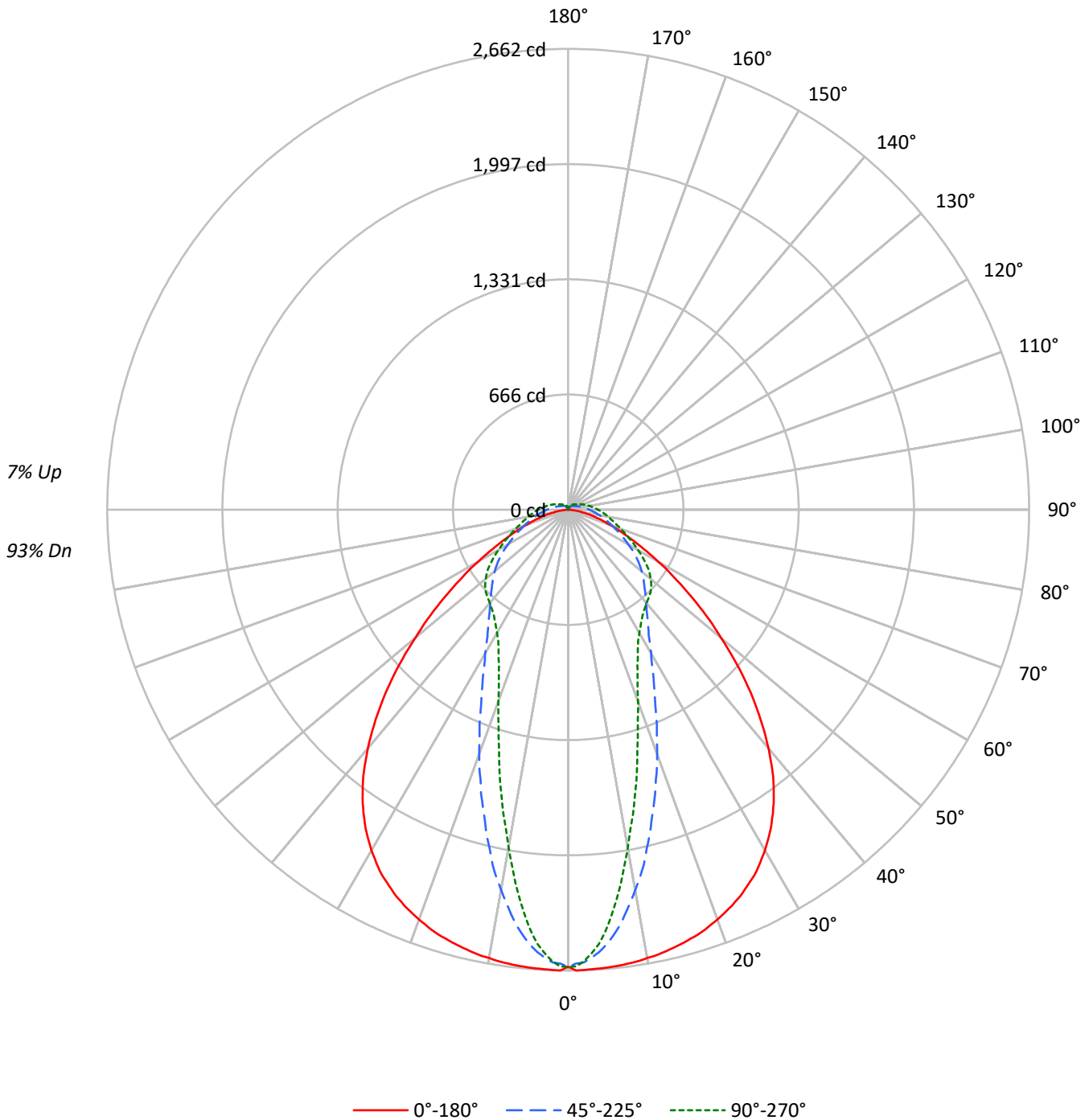
Test Method: LM-79-08  
Report Number: P566391  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-41SL-LN-UNV-L835-CD  
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4209.0 lumens  
Efficiency: N/A  
Efficacy: 160.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: 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

TEST NUMBER: P566391  
CATALOG NUMBER: 4SNX-41SL-LN-UNV-L835-CD

### 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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28

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

	0°	45°	90°
0°	28421	28421	28421
5°	28569	26122	24998
10°	28530	22397	19395
15°	28516	18271	14537
20°	28425	14554	10878
25°	28166	11405	8633
30°	27577	9229	7365
35°	26418	7811	6699
40°	24438	6897	6341
45°	21727	6310	6145
50°	18406	5806	5805
55°	15121	5261	5302
60°	12091	4628	4650
65°	9387	4063	4046
70°	7288	3593	3580
75°	5636	3229	3261
80°	3981	2955	3031
85°	2217	2755	2907



TEST NUMBER: P566391

CATALOG NUMBER: 4SNX-41SL-LN-UNV-L835-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.8	5.6
10°-20°	548.1	13.0
20°-30°	650.6	15.5
30°-40°	654.6	15.6
40°-50°	608.5	14.5
50°-60°	501.0	11.9
60°-70°	353.0	8.4
70°-80°	230.6	5.5
80°-90°	147.3	3.5
90°-100°	96.6	2.3
100°-110°	65.6	1.6
110°-120°	44.9	1.1
120°-130°	31.1	0.7
130°-140°	20.9	0.5
140°-150°	12.9	0.3
150°-160°	6.7	0.2
160°-170°	2.4	0.1
170°-180°	0.4	0.0
0°-30°	1432.5	34.0
0°-40°	2087.1	49.6
0°-60°	3196.6	75.9
0°-90°	3927.5	93.3
90°-120°	207.1	4.9
90°-150°	272.0	6.5
90°-180°	281.0	6.7
0°-180°	4209.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2640	2640	2640	2640	2640	
5°	2654	2618	2524	2475	2448	253
15°	2588	2312	1860	1626	1538	731
25°	2418	1787	1185	995	953	1113
35°	2069	1209	803	752	748	1287
45°	1487	796	622	655	673	1141
55°	854	523	481	534	552	771
65°	402	315	331	373	386	407
75°	157	163	223	262	274	169
85°	26	75	150	194	203	33
90°	0	51	121	165	172	2
95°	0	38	102	139	146	0
105°	0	26	68	97	106	0
115°	2	22	48	71	75	2
125°	2	18	40	51	55	2
135°	2	15	31	40	42	2
145°	2	11	22	31	33	1
155°	2	9	15	22	24	1
165°	2	4	9	11	13	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566391

CATALOG NUMBER: 4SNX-41SL-LN-UNV-L835-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2640.4	2640.4	2640.4	2640.4	2640.4
1°	2662.5	2651.5	2622.8	2642.6	2638.2
2°	2660.3	2649.3	2616.2	2625.0	2609.5
3°	2658.1	2642.6	2591.9	2589.7	2567.6
4°	2655.9	2631.6	2561.0	2534.5	2516.9
5°	2653.7	2618.4	2523.5	2475.0	2448.5
6°	2651.5	2602.9	2475.0	2402.2	2364.7
7°	2647.0	2578.7	2424.3	2325.0	2276.5
8°	2642.6	2556.6	2360.3	2241.2	2181.6
9°	2638.2	2527.9	2296.3	2150.7	2080.1
10°	2629.4	2499.3	2230.1	2058.1	1983.1
11°	2625.0	2466.2	2166.2	1969.8	1881.6
12°	2616.2	2430.9	2097.8	1877.2	1800.0
13°	2607.3	2393.4	2014.0	1797.8	1705.1
14°	2598.5	2353.7	1941.2	1709.6	1623.5
15°	2587.5	2311.8	1859.6	1625.7	1537.5
16°	2576.5	2263.2	1786.8	1539.7	1447.1
17°	2565.4	2216.9	1718.4	1460.3	1376.5
18°	2552.2	2170.6	1639.0	1383.1	1301.5
19°	2534.5	2117.6	1575.0	1312.5	1237.5
20°	2519.1	2069.1	1502.2	1246.3	1180.1
21°	2501.5	2009.6	1429.4	1184.6	1118.4
22.5°	2475.0	1925.7	1336.8	1107.3	1045.6
23°	2461.8	1901.5	1299.3	1078.7	1025.7
24°	2444.1	1837.5	1237.5	1034.6	981.6
25°	2417.6	1786.8	1184.6	994.8	952.9
26°	2393.4	1725.0	1131.6	959.6	917.6
27°	2369.1	1665.4	1085.3	922.1	886.8
28°	2338.2	1603.7	1034.6	891.2	860.3
29°	2305.1	1546.3	992.6	864.7	840.4
30°	2272.1	1482.3	957.3	840.4	820.6
32.5°	2179.4	1341.2	866.9	794.1	780.9
35°	2069.1	1208.8	802.9	752.2	747.8
37.5°	1945.6	1087.5	745.6	719.1	723.5
40°	1800.0	977.2	697.1	694.9	703.7
42.5°	1645.6	882.3	659.6	675.0	688.2
45°	1486.8	796.3	622.1	655.1	672.8
47.5°	1321.3	721.3	589.0	630.9	650.7
50°	1153.7	648.5	553.7	602.2	622.1
52.5°	1003.7	584.6	518.4	569.1	591.2
55°	853.7	522.8	480.9	533.8	551.5
57.5°	723.5	465.4	441.2	494.1	507.4
60°	602.2	410.3	401.5	450.0	465.4
62.5°	491.9	361.8	364.0	410.3	425.7
65°	401.5	315.4	330.9	372.8	386.0



TEST NUMBER: P566391

CATALOG NUMBER: 4SNX-41SL-LN-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	326.5	271.3	297.8	341.9	352.9
70°	258.1	231.6	271.3	311.0	322.1
72.5°	205.1	196.3	244.9	286.8	295.6
75°	156.6	163.2	222.8	262.5	273.5
77.5°	112.5	136.8	200.7	242.6	251.5
80°	79.4	112.5	183.1	225.0	233.8
82.5°	50.7	92.6	165.4	209.6	218.4
85°	26.5	75.0	150.0	194.1	202.9
87.5°	11.0	61.8	134.6	178.7	187.5
90°	0.0	50.7	121.3	165.4	172.1
92.5°	0.0	44.1	110.3	152.2	158.8
95°	0.0	37.5	101.5	139.0	145.6
97.5°	0.0	35.3	90.4	127.9	134.6
100°	0.0	30.9	81.6	116.9	125.7
102.5°	0.0	28.7	75.0	105.9	114.7
105°	0.0	26.5	68.4	97.1	105.9
107.5°	0.0	24.3	64.0	90.4	97.1
110°	0.0	24.3	57.4	83.8	90.4
112.5°	2.2	22.1	52.9	75.0	81.6
115°	2.2	22.1	48.5	70.6	75.0
117.5°	2.2	22.1	46.3	64.0	68.4
120°	2.2	19.9	44.1	59.6	64.0
122.5°	2.2	19.9	41.9	55.1	57.4
125°	2.2	17.6	39.7	50.7	55.1
127.5°	2.2	17.6	37.5	48.5	50.7
130°	2.2	17.6	35.3	44.1	48.5
132.5°	2.2	15.4	33.1	41.9	44.1
135°	2.2	15.4	30.9	39.7	41.9
137.5°	2.2	13.2	28.7	37.5	39.7
140°	2.2	13.2	26.5	35.3	37.5
142.5°	2.2	11.0	24.3	33.1	35.3
145°	2.2	11.0	22.1	30.9	33.1
147.5°	2.2	11.0	19.9	28.7	30.9
150°	2.2	8.8	17.6	26.5	28.7
152.5°	2.2	8.8	15.4	24.3	26.5
155°	2.2	8.8	15.4	22.1	24.3
157.5°	2.2	6.6	13.2	17.6	22.1
160°	2.2	6.6	11.0	15.4	19.9
162.5°	2.2	6.6	11.0	13.2	15.4
165°	2.2	4.4	8.8	11.0	13.2
167.5°	2.2	4.4	6.6	8.8	11.0
170°	2.2	4.4	6.6	6.6	8.8
172.5°	2.2	4.4	4.4	4.4	4.4
175°	4.4	4.4	4.4	4.4	2.2
177.5°	4.4	4.4	4.4	2.2	2.2



TEST NUMBER: P566391

CATALOG NUMBER: 4SNX-41SL-LN-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)