

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: P566383

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566383  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-41SL-LC-UNV-L835-CD  
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

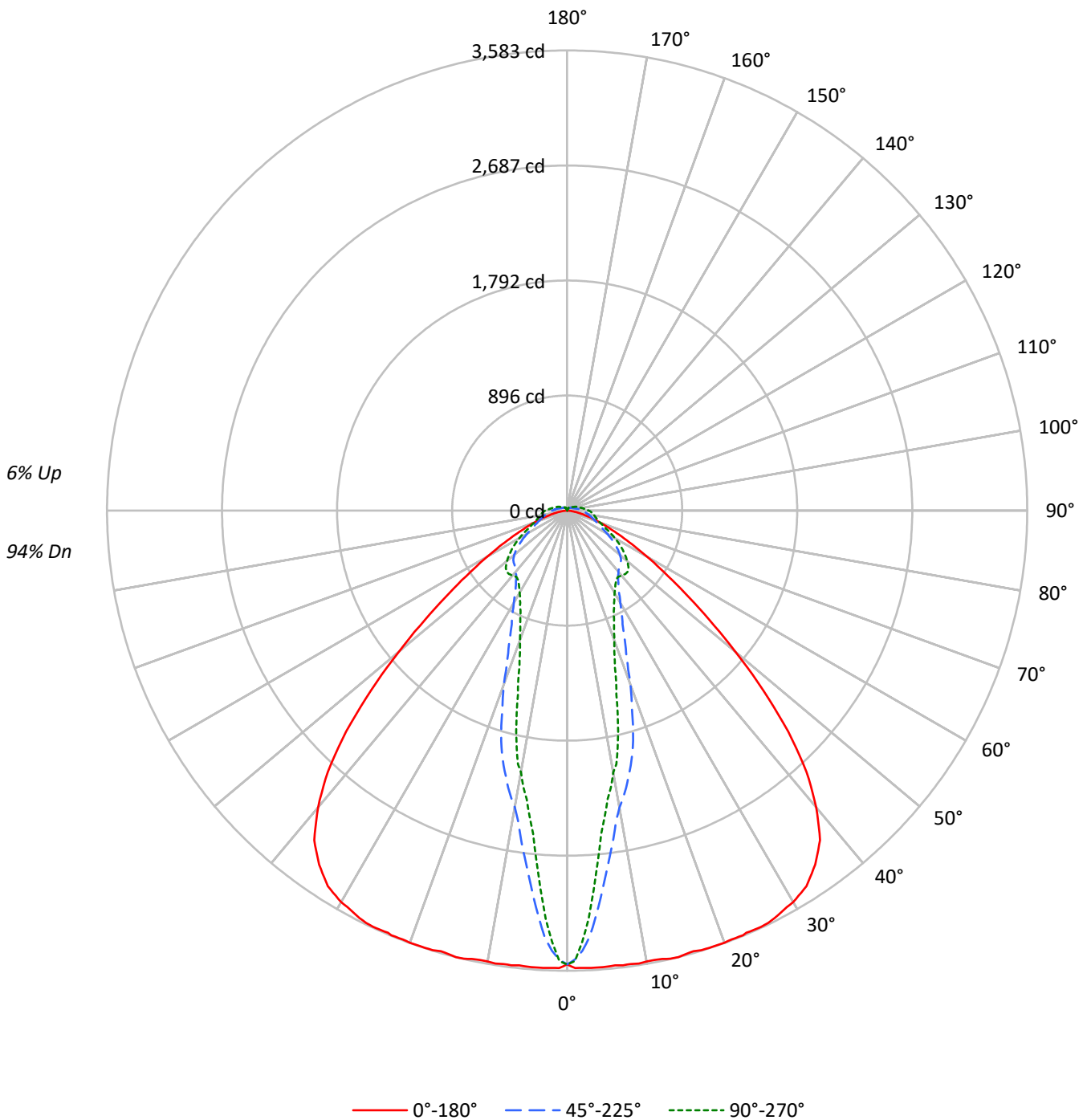
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4356.0 lumens  
Efficiency: N/A  
Efficacy: 165.6 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
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

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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	50	30	10	50	30	10	0		
RCR																										
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94					94			
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80					80			
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69					69			
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60					60			
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53					53			
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47					47			
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42					42			
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38					38			
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35					35			
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32					32			
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30					30			

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

	0°	45°	90°
0°	38038	38038	38038
5°	38381	31242	27965
10°	38682	23585	20239
15°	39388	19279	14015
20°	40403	13950	9898
25°	41664	9994	7787
30°	42728	7985	6631
35°	42982	6754	5939
40°	40976	6140	5954
45°	35559	5932	6117
50°	27280	5642	5708
55°	19770	4933	5064
60°	14342	4118	4282
65°	10439	3481	3511
70°	7689	3075	3026
75°	5464	2847	2821
80°	3580	2666	2778
85°	1682	2542	2782



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	277.9	6.4
10°-20°	603.5	13.9
20°-30°	690.8	15.9
30°-40°	692.0	15.9
40°-50°	655.1	15.0
50°-60°	502.4	11.5
60°-70°	323.8	7.4
70°-80°	206.5	4.7
80°-90°	137.1	3.1
90°-100°	92.2	2.1
100°-110°	60.7	1.4
110°-120°	42.2	1.0
120°-130°	29.5	0.7
130°-140°	20.5	0.5
140°-150°	12.5	0.3
150°-160°	6.4	0.1
160°-170°	2.4	0.1
170°-180°	0.5	0.0
0°-30°	1572.2	36.1
0°-40°	2264.2	52.0
0°-60°	3421.7	78.6
0°-90°	4089.1	93.9
90°-120°	195.2	4.5
90°-150°	257.6	5.9
90°-180°	267.0	6.1
0°-180°	4356.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3534	3534	3534	3534	3534	
5°	3565	3369	3018	2815	2739	340
15°	3574	2574	1962	1612	1482	1014
25°	3576	1822	1038	902	860	1649
35°	3366	1014	694	672	663	2089
45°	2433	641	585	647	670	1850
55°	1116	458	451	507	527	1026
65°	446	288	284	324	335	459
75°	152	156	196	226	237	167
85°	20	71	138	181	194	28
90°	0	49	116	161	167	1
95°	0	36	96	132	138	0
105°	0	27	62	89	96	1
115°	2	22	47	65	69	2
125°	2	20	40	47	49	2
135°	2	16	31	38	40	2
145°	2	11	22	29	31	1
155°	2	7	13	20	22	1
165°	4	4	9	11	13	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3533.8	3533.8	3533.8	3533.8	3533.8
1°	3562.8	3542.7	3495.8	3509.2	3507.0
2°	3562.8	3520.4	3428.9	3402.1	3361.9
3°	3565.1	3482.5	3326.2	3239.1	3183.3
4°	3565.1	3426.6	3174.4	3029.3	2957.9
5°	3565.1	3368.6	3018.1	2815.0	2739.1
6°	3560.6	3299.4	2859.6	2645.3	2531.5
7°	3567.3	3223.5	2716.8	2486.8	2397.5
8°	3565.1	3134.2	2585.1	2366.3	2268.1
9°	3571.7	3047.1	2442.2	2252.4	2178.8
10°	3565.1	2966.8	2348.4	2145.3	2069.4
11°	3565.1	2888.7	2281.5	2076.1	2011.3
12°	3569.5	2799.4	2207.8	1977.9	1888.6
13°	3580.7	2707.8	2123.0	1870.7	1765.8
14°	3582.9	2638.6	2044.8	1734.5	1625.1
15°	3574.0	2573.9	1962.2	1611.8	1482.3
16°	3569.5	2506.9	1864.0	1495.7	1379.6
17°	3578.4	2428.8	1752.4	1377.4	1270.2
18°	3580.7	2357.4	1634.1	1288.1	1194.3
19°	3580.7	2301.5	1538.1	1205.5	1125.1
20°	3580.7	2248.0	1439.9	1143.0	1073.8
21°	3576.2	2181.0	1328.2	1078.2	1020.2
22.5°	3578.4	2056.0	1201.0	1002.3	955.4
23°	3571.7	2024.7	1169.7	982.2	933.1
24°	3574.0	1935.4	1102.8	942.0	895.2
25°	3576.2	1821.6	1038.0	901.9	859.5
26°	3571.7	1730.1	984.5	863.9	834.9
27°	3560.6	1656.4	946.5	832.7	805.9
28°	3545.0	1558.2	906.3	805.9	781.3
29°	3529.3	1446.6	866.1	776.9	759.0
30°	3520.4	1357.3	828.2	754.5	738.9
32.5°	3466.8	1180.9	750.1	709.9	696.5
35°	3366.4	1013.5	694.3	671.9	663.0
37.5°	3234.7	884.0	651.8	647.4	649.6
40°	3018.1	781.3	620.6	640.7	660.8
42.5°	2759.2	701.0	598.3	647.4	669.7
45°	2433.3	640.7	584.9	647.4	669.7
47.5°	2071.6	591.6	569.2	625.1	647.4
50°	1710.0	546.9	538.0	591.6	611.7
52.5°	1390.7	504.5	497.8	549.2	569.2
55°	1116.2	457.6	450.9	506.7	526.8
57.5°	895.2	413.0	406.3	457.6	477.7
60°	714.3	368.3	357.2	408.5	428.6
62.5°	569.2	325.9	319.2	363.9	381.7
65°	446.5	288.0	283.5	323.7	334.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	352.7	252.3	254.5	288.0	301.4
70°	272.3	218.8	232.2	263.4	272.3
72.5°	205.4	185.3	214.3	241.1	252.3
75°	151.8	156.3	196.4	225.5	236.6
77.5°	104.9	129.5	180.8	212.1	223.2
80°	71.4	104.9	165.2	200.9	214.3
82.5°	42.4	87.1	151.8	189.7	205.4
85°	20.1	71.4	138.4	180.8	194.2
87.5°	6.7	58.0	125.0	171.9	183.1
90°	0.0	49.1	116.1	160.7	167.4
92.5°	0.0	42.4	104.9	147.3	151.8
95°	0.0	35.7	96.0	131.7	138.4
97.5°	0.0	33.5	89.3	118.3	127.2
100°	0.0	31.3	80.4	107.2	116.1
102.5°	0.0	26.8	71.4	96.0	104.9
105°	0.0	26.8	62.5	89.3	96.0
107.5°	2.2	24.6	58.0	80.4	89.3
110°	2.2	24.6	51.3	75.9	82.6
112.5°	2.2	24.6	49.1	69.2	78.1
115°	2.2	22.3	46.9	64.7	69.2
117.5°	2.2	22.3	44.6	58.0	62.5
120°	2.2	20.1	42.4	53.6	55.8
122.5°	2.2	20.1	40.2	49.1	51.3
125°	2.2	20.1	40.2	46.9	49.1
127.5°	2.2	17.9	37.9	44.6	44.6
130°	2.2	17.9	35.7	42.4	42.4
132.5°	2.2	15.6	33.5	40.2	42.4
135°	2.2	15.6	31.3	37.9	40.2
137.5°	2.2	13.4	29.0	35.7	37.9
140°	2.2	13.4	26.8	33.5	35.7
142.5°	2.2	11.2	24.6	31.3	33.5
145°	2.2	11.2	22.3	29.0	31.3
147.5°	2.2	11.2	20.1	26.8	29.0
150°	2.2	8.9	17.9	24.6	26.8
152.5°	2.2	8.9	15.6	22.3	24.6
155°	2.2	6.7	13.4	20.1	22.3
157.5°	2.2	6.7	13.4	17.9	20.1
160°	4.5	6.7	11.2	15.6	17.9
162.5°	2.2	4.5	11.2	13.4	15.6
165°	4.5	4.5	8.9	11.2	13.4
167.5°	4.5	4.5	6.7	8.9	11.2
170°	4.5	4.5	6.7	6.7	8.9
172.5°	4.5	4.5	4.5	6.7	4.5
175°	4.5	4.5	4.5	4.5	2.2
177.5°	4.5	4.5	4.5	4.5	2.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	4.5	4.5	4.5	4.5	4.5

(END OF REPORT)