

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: P566201

Luminaire Tested: **4SNX-26SL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566201
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-26SL-LN-UNV-L850-CD
Description: 4FT 2600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

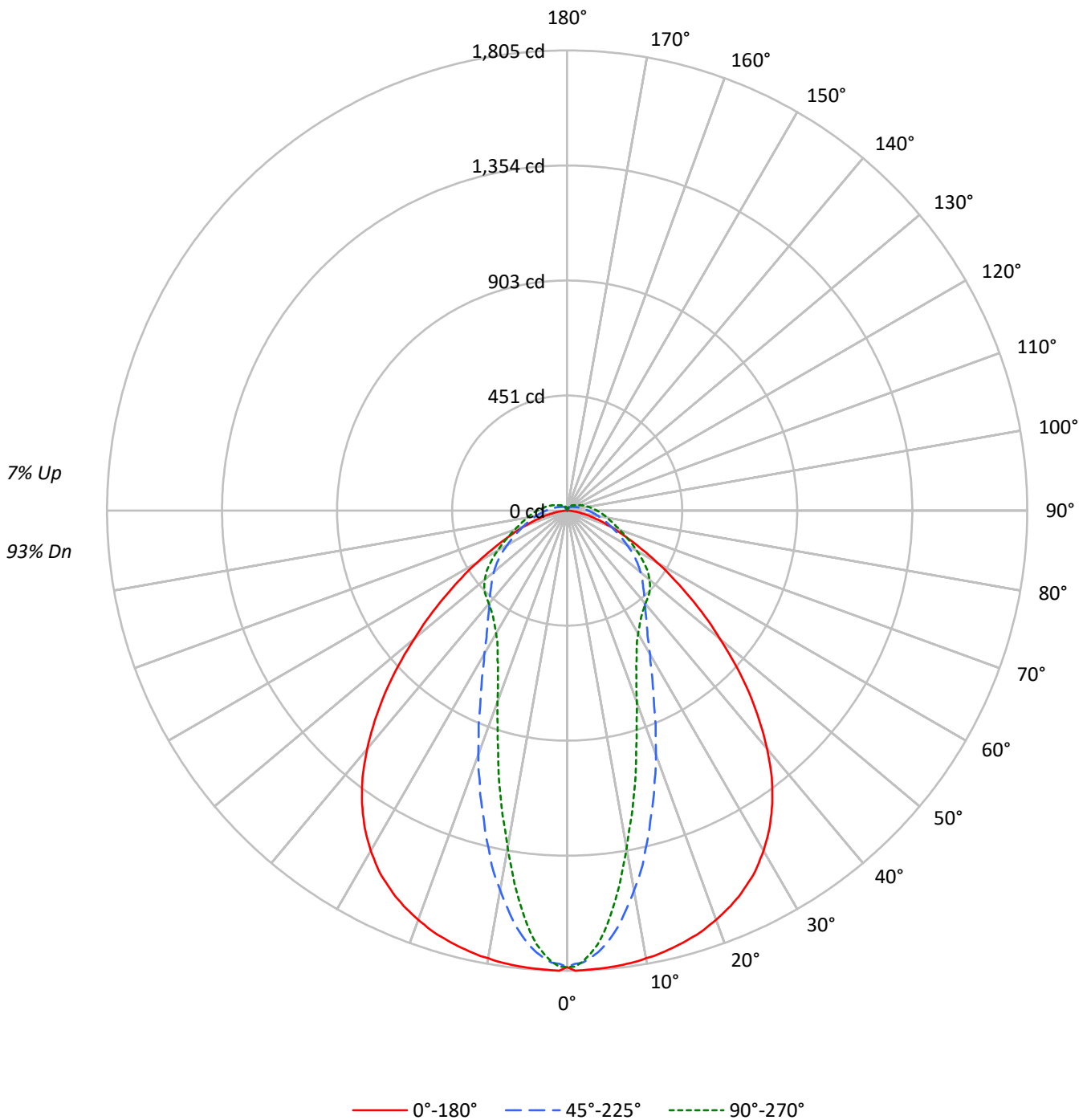
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2854.0 lumens
Efficiency: N/A
Efficacy: 174.0 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): 16.4
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	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°	19272	19272	19272
5°	19372	17712	16951
10°	19345	15187	13152
15°	19336	12388	9856
20°	19274	9869	7376
25°	19098	7733	5855
30°	18698	6259	4994
35°	17913	5296	4543
40°	16570	4677	4299
45°	14732	4278	4167
50°	12480	3937	3936
55°	10254	3568	3594
60°	8198	3138	3153
65°	6364	2756	2744
70°	4942	2437	2427
75°	3822	2190	2212
80°	2697	2003	2055
85°	1497	1868	1971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.6	5.6
10°-20°	371.6	13.0
20°-30°	441.1	15.5
30°-40°	443.8	15.6
40°-50°	412.6	14.5
50°-60°	339.7	11.9
60°-70°	239.4	8.4
70°-80°	156.4	5.5
80°-90°	99.9	3.5
90°-100°	65.5	2.3
100°-110°	44.5	1.6
110°-120°	30.5	1.1
120°-130°	21.1	0.7
130°-140°	14.2	0.5
140°-150°	8.7	0.3
150°-160°	4.5	0.2
160°-170°	1.6	0.1
170°-180°	0.3	0.0
0°-30°	971.3	34.0
0°-40°	1415.2	49.6
0°-60°	2167.5	75.9
0°-90°	2663.1	93.3
90°-120°	140.4	4.9
90°-150°	184.4	6.5
90°-180°	191.0	6.7
0°-180°	2854.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1790	1790	1790	1790	1790	
5°	1799	1775	1711	1678	1660	171
15°	1754	1568	1261	1102	1042	495
25°	1639	1212	803	675	646	754
35°	1403	820	544	510	507	873
45°	1008	540	422	444	456	774
55°	579	354	326	362	374	523
65°	272	214	224	253	262	276
75°	106	111	151	178	186	115
85°	18	51	102	132	138	23
90°	0	34	82	112	117	1
95°	0	25	69	94	99	0
105°	0	18	46	66	72	0
115°	2	15	33	48	51	1
125°	2	12	27	34	37	1
135°	2	10	21	27	28	1
145°	2	8	15	21	22	1
155°	2	6	10	15	16	1
165°	2	3	6	8	9	0
175°	3	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°	1790.4	1790.4	1790.4	1790.4	1790.4
1°	1805.4	1797.9	1778.4	1791.9	1788.9
2°	1803.9	1796.4	1773.9	1779.9	1769.5
3°	1802.4	1791.9	1757.5	1756.0	1741.0
4°	1800.9	1784.4	1736.6	1718.6	1706.6
5°	1799.4	1775.4	1711.1	1678.2	1660.3
6°	1797.9	1765.0	1678.2	1628.9	1603.4
7°	1794.9	1748.5	1643.8	1576.5	1543.6
8°	1791.9	1733.6	1600.4	1519.7	1479.3
9°	1788.9	1714.1	1557.1	1458.3	1410.5
10°	1782.9	1694.7	1512.2	1395.5	1344.7
11°	1779.9	1672.2	1468.8	1335.7	1275.9
12°	1773.9	1648.3	1422.4	1272.9	1220.5
13°	1768.0	1622.9	1365.6	1219.0	1156.2
14°	1762.0	1596.0	1316.3	1159.2	1100.9
15°	1754.5	1567.5	1260.9	1102.4	1042.5
16°	1747.0	1534.6	1211.5	1044.0	981.2
17°	1739.5	1503.2	1165.2	990.2	933.3
18°	1730.6	1471.8	1111.3	937.8	882.5
19°	1718.6	1435.9	1068.0	890.0	839.1
20°	1708.1	1403.0	1018.6	845.1	800.2
21°	1696.2	1362.6	969.2	803.2	758.3
22.5°	1678.2	1305.8	906.4	750.9	709.0
23°	1669.2	1289.3	881.0	731.4	695.5
24°	1657.3	1246.0	839.1	701.5	665.6
25°	1639.3	1211.5	803.2	674.6	646.2
26°	1622.9	1169.7	767.3	650.6	622.2
27°	1606.4	1129.3	735.9	625.2	601.3
28°	1585.5	1087.4	701.5	604.3	583.3
29°	1563.0	1048.5	673.1	586.3	569.9
30°	1540.6	1005.1	649.2	569.9	556.4
32.5°	1477.8	909.4	587.8	538.5	529.5
35°	1403.0	819.7	544.4	510.0	507.1
37.5°	1319.2	737.4	505.6	487.6	490.6
40°	1220.5	662.6	472.7	471.2	477.1
42.5°	1115.8	598.3	447.2	457.7	466.7
45°	1008.1	540.0	421.8	444.2	456.2
47.5°	895.9	489.1	399.4	427.8	441.2
50°	782.3	439.7	375.4	408.3	421.8
52.5°	680.6	396.4	351.5	385.9	400.9
55°	578.9	354.5	326.1	362.0	373.9
57.5°	490.6	315.6	299.1	335.0	344.0
60°	408.3	278.2	272.2	305.1	315.6
62.5°	333.5	245.3	246.8	278.2	288.7
65°	272.2	213.9	224.4	252.8	261.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	221.4	184.0	201.9	231.8	239.3
70°	175.0	157.1	184.0	210.9	218.4
72.5°	139.1	133.1	166.0	194.4	200.4
75°	106.2	110.7	151.1	178.0	185.5
77.5°	76.3	92.7	136.1	164.5	170.5
80°	53.8	76.3	124.1	152.6	158.5
82.5°	34.4	62.8	112.2	142.1	148.1
85°	17.9	50.9	101.7	131.6	137.6
87.5°	7.5	41.9	91.2	121.2	127.1
90°	0.0	34.4	82.3	112.2	116.7
92.5°	0.0	29.9	74.8	103.2	107.7
95°	0.0	25.4	68.8	94.2	98.7
97.5°	0.0	23.9	61.3	86.8	91.2
100°	0.0	20.9	55.3	79.3	85.3
102.5°	0.0	19.4	50.9	71.8	77.8
105°	0.0	17.9	46.4	65.8	71.8
107.5°	0.0	16.5	43.4	61.3	65.8
110°	0.0	16.5	38.9	56.8	61.3
112.5°	1.5	15.0	35.9	50.9	55.3
115°	1.5	15.0	32.9	47.9	50.9
117.5°	1.5	15.0	31.4	43.4	46.4
120°	1.5	13.5	29.9	40.4	43.4
122.5°	1.5	13.5	28.4	37.4	38.9
125°	1.5	12.0	26.9	34.4	37.4
127.5°	1.5	12.0	25.4	32.9	34.4
130°	1.5	12.0	23.9	29.9	32.9
132.5°	1.5	10.5	22.4	28.4	29.9
135°	1.5	10.5	20.9	26.9	28.4
137.5°	1.5	9.0	19.4	25.4	26.9
140°	1.5	9.0	17.9	23.9	25.4
142.5°	1.5	7.5	16.5	22.4	23.9
145°	1.5	7.5	15.0	20.9	22.4
147.5°	1.5	7.5	13.5	19.4	20.9
150°	1.5	6.0	12.0	17.9	19.4
152.5°	1.5	6.0	10.5	16.5	17.9
155°	1.5	6.0	10.5	15.0	16.5
157.5°	1.5	4.5	9.0	12.0	15.0
160°	1.5	4.5	7.5	10.5	13.5
162.5°	1.5	4.5	7.5	9.0	10.5
165°	1.5	3.0	6.0	7.5	9.0
167.5°	1.5	3.0	4.5	6.0	7.5
170°	1.5	3.0	4.5	4.5	6.0
172.5°	1.5	3.0	3.0	3.0	3.0
175°	3.0	3.0	3.0	3.0	1.5
177.5°	3.0	3.0	3.0	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)