

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: P566396

Luminaire Tested: **4SNX-41SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566396
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-L940-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

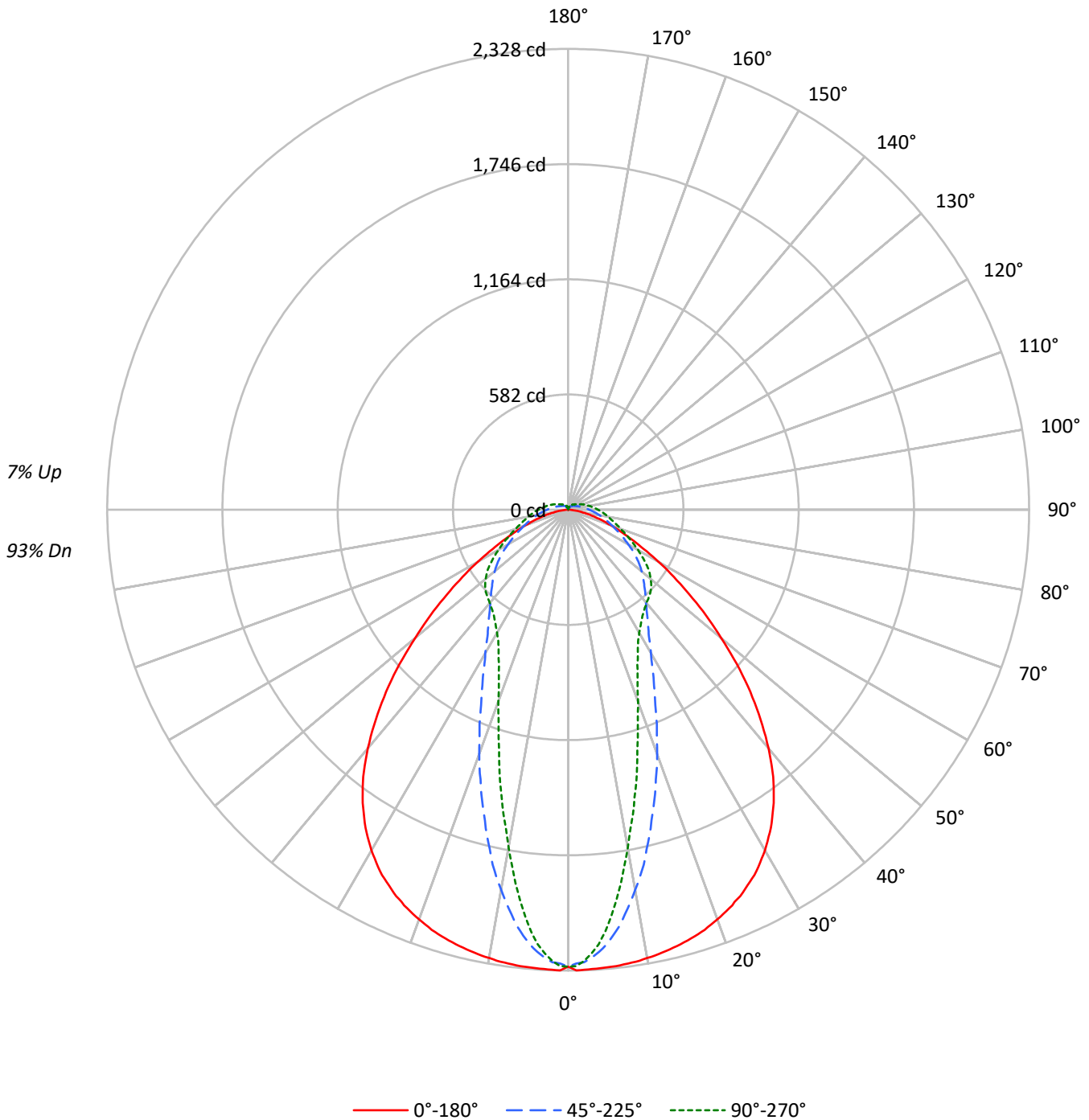
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3680.0 lumens
Efficiency: N/A
Efficacy: 139.9 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

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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	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	68	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°	24850	24850	24850
5°	24978	22839	21857
10°	24944	19582	16957
15°	24932	15974	12710
20°	24852	12725	9511
25°	24626	9972	7549
30°	24110	8070	6439
35°	23098	6829	5857
40°	21367	6029	5543
45°	18996	5516	5372
50°	16092	5076	5075
55°	13220	4599	4636
60°	10571	4046	4065
65°	8207	3552	3538
70°	6373	3142	3130
75°	4927	2823	2852
80°	3480	2584	2650
85°	1933	2408	2542



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.4	5.6
10°-20°	479.2	13.0
20°-30°	568.8	15.5
30°-40°	572.3	15.6
40°-50°	532.0	14.5
50°-60°	438.0	11.9
60°-70°	308.7	8.4
70°-80°	201.7	5.5
80°-90°	128.7	3.5
90°-100°	84.4	2.3
100°-110°	57.3	1.6
110°-120°	39.3	1.1
120°-130°	27.2	0.7
130°-140°	18.3	0.5
140°-150°	11.3	0.3
150°-160°	5.8	0.2
160°-170°	2.1	0.1
170°-180°	0.4	0.0
0°-30°	1252.5	34.0
0°-40°	1824.8	49.6
0°-60°	2794.8	75.9
0°-90°	3433.8	93.3
90°-120°	181.1	4.9
90°-150°	237.8	6.5
90°-180°	246.0	6.7
0°-180°	3680.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2309	2309	2309	2309	2309	
5°	2320	2289	2206	2164	2141	221
15°	2262	2021	1626	1421	1344	639
25°	2114	1562	1036	870	833	973
35°	1809	1057	702	658	654	1125
45°	1300	696	544	573	588	998
55°	746	457	420	467	482	674
65°	351	276	289	326	338	356
75°	137	143	195	230	239	148
85°	23	66	131	170	177	29
90°	0	44	106	145	150	1
95°	0	33	89	122	127	0
105°	0	23	60	85	93	0
115°	2	19	42	62	66	2
125°	2	15	35	44	48	2
135°	2	14	27	35	37	1
145°	2	10	19	27	29	1
155°	2	8	14	19	21	1
165°	2	4	8	10	12	1
175°	4	4	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°	2308.6	2308.6	2308.6	2308.6	2308.6
1°	2327.9	2318.2	2293.1	2310.5	2306.6
2°	2325.9	2316.3	2287.4	2295.1	2281.6
3°	2324.0	2310.5	2266.1	2264.2	2244.9
4°	2322.1	2300.9	2239.1	2216.0	2200.6
5°	2320.1	2289.3	2206.4	2163.9	2140.8
6°	2318.2	2275.8	2163.9	2100.3	2067.5
7°	2314.4	2254.6	2119.6	2032.8	1990.3
8°	2310.5	2235.3	2063.6	1959.5	1907.4
9°	2306.6	2210.2	2007.7	1880.4	1818.7
10°	2298.9	2185.1	1949.8	1799.4	1733.8
11°	2295.1	2156.2	1893.9	1722.3	1645.1
12°	2287.4	2125.4	1834.1	1641.3	1573.8
13°	2279.6	2092.6	1760.8	1571.8	1490.8
14°	2271.9	2057.9	1697.2	1494.7	1419.5
15°	2262.3	2021.2	1625.8	1421.4	1344.3
16°	2252.6	1978.8	1562.2	1346.2	1265.2
17°	2243.0	1938.3	1502.4	1276.8	1203.5
18°	2231.4	1897.8	1433.0	1209.3	1137.9
19°	2216.0	1851.5	1377.0	1147.5	1082.0
20°	2202.5	1809.1	1313.4	1089.7	1031.8
21°	2187.1	1757.0	1249.8	1035.7	977.8
22.5°	2163.9	1683.7	1168.8	968.2	914.2
23°	2152.4	1662.5	1136.0	943.1	896.8
24°	2136.9	1606.6	1082.0	904.5	858.2
25°	2113.8	1562.2	1035.7	869.8	833.2
26°	2092.6	1508.2	989.4	839.0	802.3
27°	2071.4	1456.1	948.9	806.2	775.3
28°	2044.4	1402.1	904.5	779.2	752.2
29°	2015.4	1352.0	867.9	756.0	734.8
30°	1986.5	1296.0	837.0	734.8	717.5
32.5°	1905.5	1172.6	758.0	694.3	682.7
35°	1809.1	1056.9	702.0	657.7	653.8
37.5°	1701.1	950.8	651.9	628.7	632.6
40°	1573.8	854.4	609.4	607.5	615.2
42.5°	1438.8	771.5	576.7	590.2	601.7
45°	1299.9	696.2	543.9	572.8	588.2
47.5°	1155.3	630.7	514.9	551.6	568.9
50°	1008.7	567.0	484.1	526.5	543.9
52.5°	877.5	511.1	453.2	497.6	516.9
55°	746.4	457.1	420.4	466.7	482.2
57.5°	632.6	406.9	385.7	432.0	443.6
60°	526.5	358.7	351.0	393.4	406.9
62.5°	430.1	316.3	318.2	358.7	372.2
65°	351.0	275.8	289.3	325.9	337.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	285.4	237.2	260.4	298.9	308.6
70°	225.7	202.5	237.2	271.9	281.6
72.5°	179.4	171.6	214.1	250.7	258.4
75°	136.9	142.7	194.8	229.5	239.2
77.5°	98.4	119.6	175.5	212.1	219.9
80°	69.4	98.4	160.1	196.7	204.4
82.5°	44.4	81.0	144.6	183.2	190.9
85°	23.1	65.6	131.1	169.7	177.4
87.5°	9.6	54.0	117.6	156.2	163.9
90°	0.0	44.4	106.1	144.6	150.4
92.5°	0.0	38.6	96.4	133.1	138.9
95°	0.0	32.8	88.7	121.5	127.3
97.5°	0.0	30.9	79.1	111.9	117.6
100°	0.0	27.0	71.4	102.2	109.9
102.5°	0.0	25.1	65.6	92.6	100.3
105°	0.0	23.1	59.8	84.9	92.6
107.5°	0.0	21.2	55.9	79.1	84.9
110°	0.0	21.2	50.1	73.3	79.1
112.5°	1.9	19.3	46.3	65.6	71.4
115°	1.9	19.3	42.4	61.7	65.6
117.5°	1.9	19.3	40.5	55.9	59.8
120°	1.9	17.4	38.6	52.1	55.9
122.5°	1.9	17.4	36.6	48.2	50.1
125°	1.9	15.4	34.7	44.4	48.2
127.5°	1.9	15.4	32.8	42.4	44.4
130°	1.9	15.4	30.9	38.6	42.4
132.5°	1.9	13.5	28.9	36.6	38.6
135°	1.9	13.5	27.0	34.7	36.6
137.5°	1.9	11.6	25.1	32.8	34.7
140°	1.9	11.6	23.1	30.9	32.8
142.5°	1.9	9.6	21.2	28.9	30.9
145°	1.9	9.6	19.3	27.0	28.9
147.5°	1.9	9.6	17.4	25.1	27.0
150°	1.9	7.7	15.4	23.1	25.1
152.5°	1.9	7.7	13.5	21.2	23.1
155°	1.9	7.7	13.5	19.3	21.2
157.5°	1.9	5.8	11.6	15.4	19.3
160°	1.9	5.8	9.6	13.5	17.4
162.5°	1.9	5.8	9.6	11.6	13.5
165°	1.9	3.9	7.7	9.6	11.6
167.5°	1.9	3.9	5.8	7.7	9.6
170°	1.9	3.9	5.8	5.8	7.7
172.5°	1.9	3.9	3.9	3.9	3.9
175°	3.9	3.9	3.9	3.9	1.9
177.5°	3.9	3.9	3.9	1.9	1.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)