

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: P566540

Luminaire Tested: **4SNX-51SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566540
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-51SL-LN-UNV-L940-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

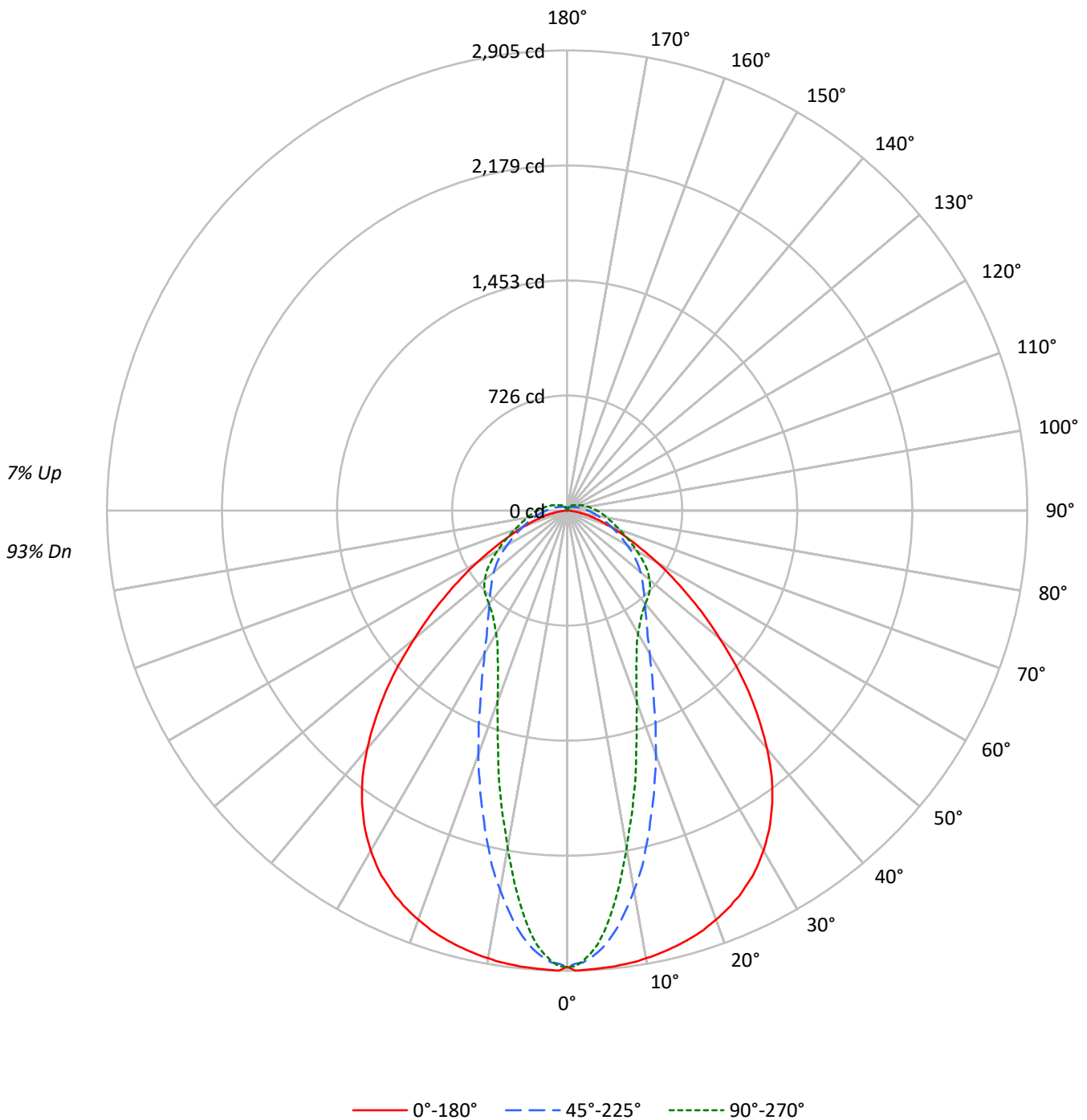
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4592.0 lumens
Efficiency: N/A
Efficacy: 131.2 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): 35
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	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°	31008	31008	31008
5°	31168	28498	27273
10°	31126	24436	21160
15°	31110	19933	15859
20°	31011	15878	11868
25°	30729	12442	9420
30°	30085	10070	8035
35°	28822	8522	7308
40°	26662	7524	6917
45°	23703	6884	6704
50°	20081	6335	6333
55°	16497	5739	5783
60°	13192	5049	5073
65°	10241	4433	4415
70°	7952	3920	3905
75°	6151	3524	3558
80°	4342	3223	3307
85°	2418	3004	3172



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.1	5.6
10°-20°	598.0	13.0
20°-30°	709.8	15.5
30°-40°	714.1	15.6
40°-50°	663.8	14.5
50°-60°	546.6	11.9
60°-70°	385.2	8.4
70°-80°	251.6	5.5
80°-90°	160.7	3.5
90°-100°	105.4	2.3
100°-110°	71.5	1.6
110°-120°	49.0	1.1
120°-130°	33.9	0.7
130°-140°	22.8	0.5
140°-150°	14.1	0.3
150°-160°	7.3	0.2
160°-170°	2.6	0.1
170°-180°	0.5	0.0
0°-30°	1562.9	34.0
0°-40°	2277.0	49.6
0°-60°	3487.4	75.9
0°-90°	4284.9	93.3
90°-120°	225.9	4.9
90°-150°	296.7	6.5
90°-180°	307.0	6.7
0°-180°	4592.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2881	2881	2881	2881	2881	
5°	2895	2857	2753	2700	2671	276
15°	2823	2522	2029	1774	1677	797
25°	2638	1949	1292	1085	1040	1214
35°	2257	1319	876	821	816	1404
45°	1622	869	679	715	734	1245
55°	931	570	525	582	602	841
65°	438	344	361	407	421	444
75°	171	178	243	286	298	185
85°	29	82	164	212	221	36
90°	0	55	132	180	188	2
95°	0	41	111	152	159	0
105°	0	29	75	106	116	0
115°	2	24	53	77	82	2
125°	2	19	43	55	60	2
135°	2	17	34	43	46	2
145°	2	12	24	34	36	2
155°	2	10	17	24	26	1
165°	2	5	10	12	14	1
175°	5	5	5	5	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 4SNX-51SL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2880.7	2880.7	2880.7	2880.7	2880.7
1°	2904.8	2892.7	2861.4	2883.1	2878.3
2°	2902.4	2890.3	2854.2	2863.9	2847.0
3°	2900.0	2883.1	2827.8	2825.3	2801.3
4°	2897.5	2871.1	2794.1	2765.2	2745.9
5°	2895.1	2856.6	2753.1	2700.2	2671.3
6°	2892.7	2839.8	2700.2	2620.8	2579.9
7°	2887.9	2813.3	2644.9	2536.6	2483.6
8°	2883.1	2789.2	2575.1	2445.1	2380.1
9°	2878.3	2758.0	2505.3	2346.4	2269.4
10°	2868.7	2726.7	2433.1	2245.4	2163.5
11°	2863.9	2690.6	2363.3	2149.1	2052.8
12°	2854.2	2652.1	2288.7	2048.0	1963.8
13°	2844.6	2611.2	2197.2	1961.4	1860.3
14°	2835.0	2567.8	2117.8	1865.1	1771.3
15°	2822.9	2522.1	2028.8	1773.7	1677.4
16°	2810.9	2469.2	1949.3	1679.8	1578.7
17°	2798.9	2418.6	1874.7	1593.2	1501.7
18°	2784.4	2368.1	1788.1	1508.9	1419.9
19°	2765.2	2310.3	1718.3	1431.9	1350.1
20°	2748.3	2257.4	1638.9	1359.7	1287.5
21°	2729.1	2192.4	1559.5	1292.3	1220.1
22.5°	2700.2	2101.0	1458.4	1208.1	1140.7
23°	2685.8	2074.5	1417.5	1176.8	1119.1
24°	2666.5	2004.7	1350.1	1128.7	1070.9
25°	2637.6	1949.3	1292.3	1085.4	1039.7
26°	2611.2	1882.0	1234.6	1046.9	1001.1
27°	2584.7	1817.0	1184.0	1006.0	967.5
28°	2551.0	1749.6	1128.7	972.3	938.6
29°	2514.9	1687.0	1083.0	943.4	916.9
30°	2478.8	1617.2	1044.5	916.9	895.3
32.5°	2377.7	1463.2	945.8	866.4	851.9
35°	2257.4	1318.8	876.0	820.7	815.8
37.5°	2122.6	1186.5	813.4	784.6	789.4
40°	1963.8	1066.1	760.5	758.1	767.7
42.5°	1795.3	962.6	719.6	736.4	750.9
45°	1622.0	868.8	678.7	714.8	734.0
47.5°	1441.6	787.0	642.6	688.3	709.9
50°	1258.7	707.5	604.1	657.0	678.7
52.5°	1095.0	637.7	565.6	620.9	645.0
55°	931.4	570.4	524.6	582.4	601.6
57.5°	789.4	507.8	481.3	539.1	553.5
60°	657.0	447.6	438.0	490.9	507.8
62.5°	536.7	394.7	397.1	447.6	464.5
65°	438.0	344.1	361.0	406.7	421.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	356.2	296.0	324.9	373.0	385.1
70°	281.6	252.7	296.0	339.3	351.4
72.5°	223.8	214.2	267.1	312.9	322.5
75°	170.9	178.1	243.1	286.4	298.4
77.5°	122.7	149.2	219.0	264.7	274.4
80°	86.6	122.7	199.7	245.5	255.1
82.5°	55.4	101.1	180.5	228.6	238.3
85°	28.9	81.8	163.6	211.8	221.4
87.5°	12.0	67.4	146.8	194.9	204.6
90°	0.0	55.4	132.4	180.5	187.7
92.5°	0.0	48.1	120.3	166.1	173.3
95°	0.0	40.9	110.7	151.6	158.8
97.5°	0.0	38.5	98.7	139.6	146.8
100°	0.0	33.7	89.0	127.5	137.2
102.5°	0.0	31.3	81.8	115.5	125.1
105°	0.0	28.9	74.6	105.9	115.5
107.5°	0.0	26.5	69.8	98.7	105.9
110°	0.0	26.5	62.6	91.5	98.7
112.5°	2.4	24.1	57.8	81.8	89.0
115°	2.4	24.1	52.9	77.0	81.8
117.5°	2.4	24.1	50.5	69.8	74.6
120°	2.4	21.7	48.1	65.0	69.8
122.5°	2.4	21.7	45.7	60.2	62.6
125°	2.4	19.3	43.3	55.4	60.2
127.5°	2.4	19.3	40.9	52.9	55.4
130°	2.4	19.3	38.5	48.1	52.9
132.5°	2.4	16.8	36.1	45.7	48.1
135°	2.4	16.8	33.7	43.3	45.7
137.5°	2.4	14.4	31.3	40.9	43.3
140°	2.4	14.4	28.9	38.5	40.9
142.5°	2.4	12.0	26.5	36.1	38.5
145°	2.4	12.0	24.1	33.7	36.1
147.5°	2.4	12.0	21.7	31.3	33.7
150°	2.4	9.6	19.3	28.9	31.3
152.5°	2.4	9.6	16.8	26.5	28.9
155°	2.4	9.6	16.8	24.1	26.5
157.5°	2.4	7.2	14.4	19.3	24.1
160°	2.4	7.2	12.0	16.8	21.7
162.5°	2.4	7.2	12.0	14.4	16.8
165°	2.4	4.8	9.6	12.0	14.4
167.5°	2.4	4.8	7.2	9.6	12.0
170°	2.4	4.8	7.2	7.2	9.6
172.5°	2.4	4.8	4.8	4.8	4.8
175°	4.8	4.8	4.8	4.8	2.4
177.5°	4.8	4.8	4.8	2.4	2.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)