

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: P566484

Luminaire Tested: **4SNX-48SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566484
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-48SL-LC-UNV-L940-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

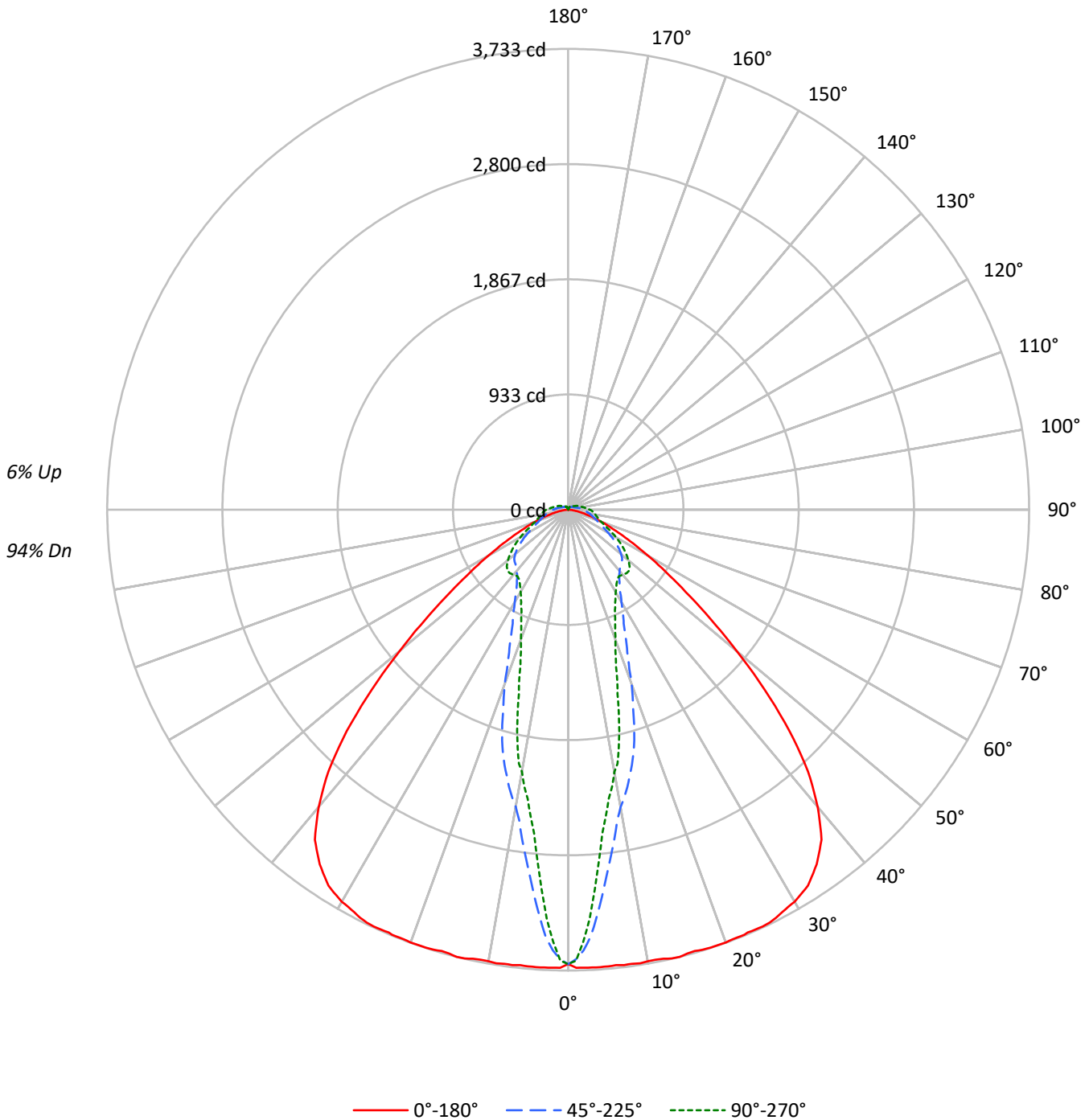
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4538.0 lumens
Efficiency: N/A
Efficacy: 141.4 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): 32.1
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: P566484
CATALOG NUMBER: 4SNX-48SL-LC-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566484

CATALOG NUMBER: 4SNX-48SL-LC-UNV-L940-CD

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39626	39626	39626
5°	39984	32547	29133
10°	40298	24570	21084
15°	41033	20084	14600
20°	42091	14533	10311
25°	43404	10412	8112
30°	44513	8318	6909
35°	44777	7037	6188
40°	42688	6396	6203
45°	37044	6180	6372
50°	28420	5878	5946
55°	20596	5140	5276
60°	14943	4289	4461
65°	10874	3627	3656
70°	8011	3204	3153
75°	5690	2967	2939
80°	3730	2778	2895
85°	1748	2648	2898



TEST NUMBER: P566484

CATALOG NUMBER: 4SNX-48SL-LC-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.5	6.4
10°-20°	628.7	13.9
20°-30°	719.6	15.9
30°-40°	720.9	15.9
40°-50°	682.4	15.0
50°-60°	523.4	11.5
60°-70°	337.4	7.4
70°-80°	215.1	4.7
80°-90°	142.9	3.1
90°-100°	96.0	2.1
100°-110°	63.3	1.4
110°-120°	44.0	1.0
120°-130°	30.7	0.7
130°-140°	21.3	0.5
140°-150°	13.0	0.3
150°-160°	6.6	0.1
160°-170°	2.6	0.1
170°-180°	0.5	0.0
0°-30°	1637.9	36.1
0°-40°	2358.8	52.0
0°-60°	3564.6	78.5
0°-90°	4260.0	93.9
90°-120°	203.3	4.5
90°-150°	268.4	5.9
90°-180°	278.0	6.1
0°-180°	4538.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3681	3681	3681	3681	3681	
5°	3714	3509	3144	2933	2854	355
15°	3723	2681	2044	1679	1544	1056
25°	3726	1898	1081	940	895	1718
35°	3507	1056	723	700	691	2176
45°	2535	668	609	674	698	1927
55°	1163	477	470	528	549	1069
65°	465	300	295	337	349	478
75°	158	163	205	235	246	174
85°	21	74	144	188	202	29
90°	0	51	121	167	174	1
95°	0	37	100	137	144	0
105°	0	28	65	93	100	2
115°	2	23	49	67	72	2
125°	2	21	42	49	51	2
135°	2	16	33	40	42	2
145°	2	12	23	30	33	1
155°	2	7	14	21	23	1
165°	5	5	9	12	14	1
175°	5	5	5	5	2	0
180°	5	5	5	5	5	



TEST NUMBER: P566484

CATALOG NUMBER: 4SNX-48SL-LC-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3681.4	3681.4	3681.4	3681.4	3681.4
1°	3711.7	3690.7	3641.9	3655.9	3653.5
2°	3711.7	3667.5	3572.1	3544.2	3502.4
3°	3714.0	3628.0	3465.2	3374.5	3316.3
4°	3714.0	3569.8	3307.0	3155.9	3081.4
5°	3714.0	3509.4	3144.2	2932.6	2853.5
6°	3709.4	3437.3	2979.1	2755.9	2637.2
7°	3716.3	3358.2	2830.3	2590.7	2497.7
8°	3714.0	3265.2	2693.1	2465.2	2362.8
9°	3721.0	3174.5	2544.2	2346.5	2269.8
10°	3714.0	3090.7	2446.5	2234.9	2155.8
11°	3714.0	3009.3	2376.8	2162.8	2095.4
12°	3718.7	2916.3	2300.0	2060.5	1967.5
13°	3730.3	2821.0	2211.7	1948.9	1839.6
14°	3732.6	2748.9	2130.3	1807.0	1693.0
15°	3723.3	2681.4	2044.2	1679.1	1544.2
16°	3718.7	2611.7	1941.9	1558.2	1437.2
17°	3728.0	2530.3	1825.6	1434.9	1323.3
18°	3730.3	2455.8	1702.3	1341.9	1244.2
19°	3730.3	2397.7	1602.3	1255.8	1172.1
20°	3730.3	2341.9	1500.0	1190.7	1118.6
21°	3725.6	2272.1	1383.7	1123.3	1062.8
22.5°	3728.0	2141.9	1251.2	1044.2	995.4
23°	3721.0	2109.3	1218.6	1023.3	972.1
24°	3723.3	2016.3	1148.9	981.4	932.6
25°	3725.6	1897.7	1081.4	939.5	895.4
26°	3721.0	1802.4	1025.6	900.0	869.8
27°	3709.4	1725.6	986.1	867.5	839.5
28°	3693.1	1623.3	944.2	839.5	814.0
29°	3676.8	1507.0	902.3	809.3	790.7
30°	3667.5	1414.0	862.8	786.1	769.8
32.5°	3611.7	1230.2	781.4	739.5	725.6
35°	3507.0	1055.8	723.3	700.0	690.7
37.5°	3369.8	920.9	679.1	674.4	676.8
40°	3144.2	814.0	646.5	667.5	688.4
42.5°	2874.5	730.2	623.3	674.4	697.7
45°	2534.9	667.5	609.3	674.4	697.7
47.5°	2158.2	616.3	593.0	651.2	674.4
50°	1781.4	569.8	560.5	616.3	637.2
52.5°	1448.9	525.6	518.6	572.1	593.0
55°	1162.8	476.8	469.8	527.9	548.8
57.5°	932.6	430.2	423.3	476.8	497.7
60°	744.2	383.7	372.1	425.6	446.5
62.5°	593.0	339.5	332.6	379.1	397.7
65°	465.1	300.0	295.4	337.2	348.8



TEST NUMBER: P566484

CATALOG NUMBER: 4SNX-48SL-LC-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	367.4	262.8	265.1	300.0	314.0
70°	283.7	227.9	241.9	274.4	283.7
72.5°	214.0	193.0	223.3	251.2	262.8
75°	158.1	162.8	204.7	234.9	246.5
77.5°	109.3	134.9	188.4	220.9	232.6
80°	74.4	109.3	172.1	209.3	223.3
82.5°	44.2	90.7	158.1	197.7	214.0
85°	20.9	74.4	144.2	188.4	202.3
87.5°	7.0	60.5	130.2	179.1	190.7
90°	0.0	51.2	120.9	167.4	174.4
92.5°	0.0	44.2	109.3	153.5	158.1
95°	0.0	37.2	100.0	137.2	144.2
97.5°	0.0	34.9	93.0	123.3	132.6
100°	0.0	32.6	83.7	111.6	120.9
102.5°	0.0	27.9	74.4	100.0	109.3
105°	0.0	27.9	65.1	93.0	100.0
107.5°	2.3	25.6	60.5	83.7	93.0
110°	2.3	25.6	53.5	79.1	86.0
112.5°	2.3	25.6	51.2	72.1	81.4
115°	2.3	23.3	48.8	67.4	72.1
117.5°	2.3	23.3	46.5	60.5	65.1
120°	2.3	20.9	44.2	55.8	58.1
122.5°	2.3	20.9	41.9	51.2	53.5
125°	2.3	20.9	41.9	48.8	51.2
127.5°	2.3	18.6	39.5	46.5	46.5
130°	2.3	18.6	37.2	44.2	44.2
132.5°	2.3	16.3	34.9	41.9	44.2
135°	2.3	16.3	32.6	39.5	41.9
137.5°	2.3	14.0	30.2	37.2	39.5
140°	2.3	14.0	27.9	34.9	37.2
142.5°	2.3	11.6	25.6	32.6	34.9
145°	2.3	11.6	23.3	30.2	32.6
147.5°	2.3	11.6	20.9	27.9	30.2
150°	2.3	9.3	18.6	25.6	27.9
152.5°	2.3	9.3	16.3	23.3	25.6
155°	2.3	7.0	14.0	20.9	23.3
157.5°	2.3	7.0	14.0	18.6	20.9
160°	4.7	7.0	11.6	16.3	18.6
162.5°	2.3	4.7	11.6	14.0	16.3
165°	4.7	4.7	9.3	11.6	14.0
167.5°	4.7	4.7	7.0	9.3	11.6
170°	4.7	4.7	7.0	7.0	9.3
172.5°	4.7	4.7	4.7	7.0	4.7
175°	4.7	4.7	4.7	4.7	2.3
177.5°	4.7	4.7	4.7	4.7	2.3



TEST NUMBER: P566484

CATALOG NUMBER: 4SNX-48SL-LC-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)