

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: P566493

Luminaire Tested: **4SNX-48SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566493
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-48SL-LN-UNV-L950-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

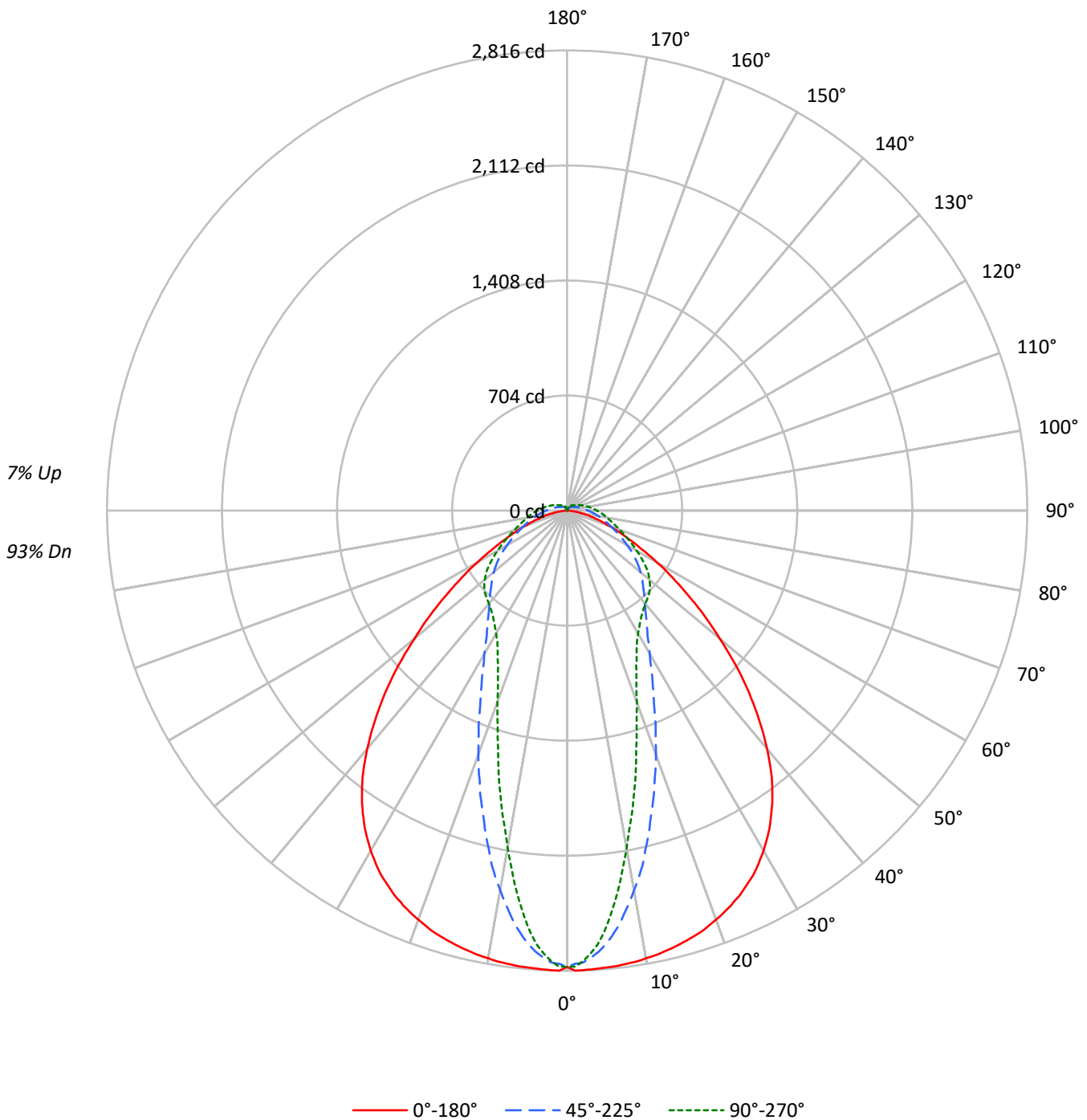
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4452.0 lumens
Efficiency: N/A
Efficacy: 138.7 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): 32.1
Input Voltage (V): NR
Input Current (A_{in}): 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	96	96	96	93	
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	85	83	81	78	
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	76	72	69	67	
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	68	64	60	58	
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	62	57	53	51	
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	56	51	47	45	
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	52	46	42	40	
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	48	42	38	36	
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	44	39	35	33	
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	41	36	32	30	
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	39	34	30	28	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30063	30063	30063
5°	30218	27630	26442
10°	30177	23690	20515
15°	30162	19325	15376
20°	30065	15394	11507
25°	29792	12063	9133
30°	29168	9763	7790
35°	27944	8262	7086
40°	25849	7294	6707
45°	22981	6674	6499
50°	19468	6141	6140
55°	15994	5564	5607
60°	12790	4895	4919
65°	9927	4298	4280
70°	7709	3801	3787
75°	5964	3416	3449
80°	4212	3126	3206
85°	2342	2914	3076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.3	5.6
10°-20°	579.7	13.0
20°-30°	688.2	15.5
30°-40°	692.4	15.6
40°-50°	643.6	14.5
50°-60°	529.9	11.9
60°-70°	373.4	8.4
70°-80°	244.0	5.5
80°-90°	155.8	3.5
90°-100°	102.2	2.3
100°-110°	69.4	1.6
110°-120°	47.5	1.1
120°-130°	32.9	0.7
130°-140°	22.1	0.5
140°-150°	13.6	0.3
150°-160°	7.1	0.2
160°-170°	2.6	0.1
170°-180°	0.4	0.0
0°-30°	1515.2	34.0
0°-40°	2207.6	49.6
0°-60°	3381.1	75.9
0°-90°	4154.3	93.3
90°-120°	219.0	4.9
90°-150°	287.7	6.5
90°-180°	298.0	6.7
0°-180°	4452.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2793	2793	2793	2793	2793	
5°	2807	2770	2669	2618	2590	267
15°	2737	2445	1967	1720	1626	773
25°	2557	1890	1253	1052	1008	1177
35°	2189	1279	849	796	791	1361
45°	1573	842	658	693	712	1207
55°	903	553	509	565	583	816
65°	425	334	350	394	408	431
75°	166	173	236	278	289	179
85°	28	79	159	205	215	35
90°	0	54	128	175	182	2
95°	0	40	107	147	154	0
105°	0	28	72	103	112	0
115°	2	23	51	75	79	2
125°	2	19	42	54	58	2
135°	2	16	33	42	44	2
145°	2	12	23	33	35	1
155°	2	9	16	23	26	1
165°	2	5	9	12	14	1
175°	5	5	5	5	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 4SNX-48SL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2792.9	2792.9	2792.9	2792.9	2792.9
1°	2816.2	2804.5	2774.2	2795.2	2790.5
2°	2813.9	2802.2	2767.2	2776.5	2760.2
3°	2811.5	2795.2	2741.5	2739.2	2715.9
4°	2809.2	2783.5	2708.9	2680.9	2662.2
5°	2806.9	2769.5	2669.2	2617.9	2589.9
6°	2804.5	2753.2	2617.9	2540.9	2501.2
7°	2799.9	2727.5	2564.2	2459.2	2407.9
8°	2795.2	2704.2	2496.6	2370.6	2307.6
9°	2790.5	2673.9	2428.9	2274.9	2200.2
10°	2781.2	2643.5	2358.9	2176.9	2097.6
11°	2776.5	2608.5	2291.2	2083.6	1990.2
12°	2767.2	2571.2	2218.9	1985.6	1903.9
13°	2757.9	2531.6	2130.2	1901.6	1803.6
14°	2748.5	2489.6	2053.2	1808.3	1717.3
15°	2736.9	2445.2	1966.9	1719.6	1626.3
16°	2725.2	2393.9	1889.9	1628.6	1530.6
17°	2713.5	2344.9	1817.6	1544.6	1455.9
18°	2699.5	2295.9	1733.6	1462.9	1376.6
19°	2680.9	2239.9	1665.9	1388.3	1308.9
20°	2664.5	2188.6	1588.9	1318.3	1248.3
21°	2645.9	2125.6	1511.9	1252.9	1182.9
22.5°	2617.9	2036.9	1413.9	1171.3	1105.9
23°	2603.9	2011.2	1374.3	1140.9	1085.0
24°	2585.2	1943.6	1308.9	1094.3	1038.3
25°	2557.2	1889.9	1252.9	1052.3	1008.0
26°	2531.6	1824.6	1196.9	1015.0	970.6
27°	2505.9	1761.6	1147.9	975.3	938.0
28°	2473.2	1696.3	1094.3	942.6	910.0
29°	2438.2	1635.6	1050.0	914.6	889.0
30°	2403.2	1567.9	1012.6	889.0	868.0
32.5°	2305.2	1418.6	917.0	840.0	826.0
35°	2188.6	1278.6	849.3	795.6	791.0
37.5°	2057.9	1150.3	788.6	760.6	765.3
40°	1903.9	1033.6	737.3	735.0	744.3
42.5°	1740.6	933.3	697.6	714.0	728.0
45°	1572.6	842.3	658.0	693.0	711.6
47.5°	1397.6	763.0	623.0	667.3	688.3
50°	1220.3	686.0	585.6	637.0	658.0
52.5°	1061.6	618.3	548.3	602.0	625.3
55°	903.0	553.0	508.6	564.6	583.3
57.5°	765.3	492.3	466.6	522.6	536.6
60°	637.0	434.0	424.6	476.0	492.3
62.5°	520.3	382.6	385.0	434.0	450.3
65°	424.6	333.7	350.0	394.3	408.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	345.3	287.0	315.0	361.7	373.3
70°	273.0	245.0	287.0	329.0	340.7
72.5°	217.0	207.7	259.0	303.3	312.7
75°	165.7	172.7	235.7	277.7	289.3
77.5°	119.0	144.7	212.3	256.7	266.0
80°	84.0	119.0	193.7	238.0	247.3
82.5°	53.7	98.0	175.0	221.7	231.0
85°	28.0	79.3	158.7	205.3	214.7
87.5°	11.7	65.3	142.3	189.0	198.3
90°	0.0	53.7	128.3	175.0	182.0
92.5°	0.0	46.7	116.7	161.0	168.0
95°	0.0	39.7	107.3	147.0	154.0
97.5°	0.0	37.3	95.7	135.3	142.3
100°	0.0	32.7	86.3	123.7	133.0
102.5°	0.0	30.3	79.3	112.0	121.3
105°	0.0	28.0	72.3	102.7	112.0
107.5°	0.0	25.7	67.7	95.7	102.7
110°	0.0	25.7	60.7	88.7	95.7
112.5°	2.3	23.3	56.0	79.3	86.3
115°	2.3	23.3	51.3	74.7	79.3
117.5°	2.3	23.3	49.0	67.7	72.3
120°	2.3	21.0	46.7	63.0	67.7
122.5°	2.3	21.0	44.3	58.3	60.7
125°	2.3	18.7	42.0	53.7	58.3
127.5°	2.3	18.7	39.7	51.3	53.7
130°	2.3	18.7	37.3	46.7	51.3
132.5°	2.3	16.3	35.0	44.3	46.7
135°	2.3	16.3	32.7	42.0	44.3
137.5°	2.3	14.0	30.3	39.7	42.0
140°	2.3	14.0	28.0	37.3	39.7
142.5°	2.3	11.7	25.7	35.0	37.3
145°	2.3	11.7	23.3	32.7	35.0
147.5°	2.3	11.7	21.0	30.3	32.7
150°	2.3	9.3	18.7	28.0	30.3
152.5°	2.3	9.3	16.3	25.7	28.0
155°	2.3	9.3	16.3	23.3	25.7
157.5°	2.3	7.0	14.0	18.7	23.3
160°	2.3	7.0	11.7	16.3	21.0
162.5°	2.3	7.0	11.7	14.0	16.3
165°	2.3	4.7	9.3	11.7	14.0
167.5°	2.3	4.7	7.0	9.3	11.7
170°	2.3	4.7	7.0	7.0	9.3
172.5°	2.3	4.7	4.7	4.7	4.7
175°	4.7	4.7	4.7	4.7	2.3
177.5°	4.7	4.7	4.7	2.3	2.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)