

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: P566533

Luminaire Tested: **4SNX-51SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566533
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-51SL-LC-UNV-L950-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

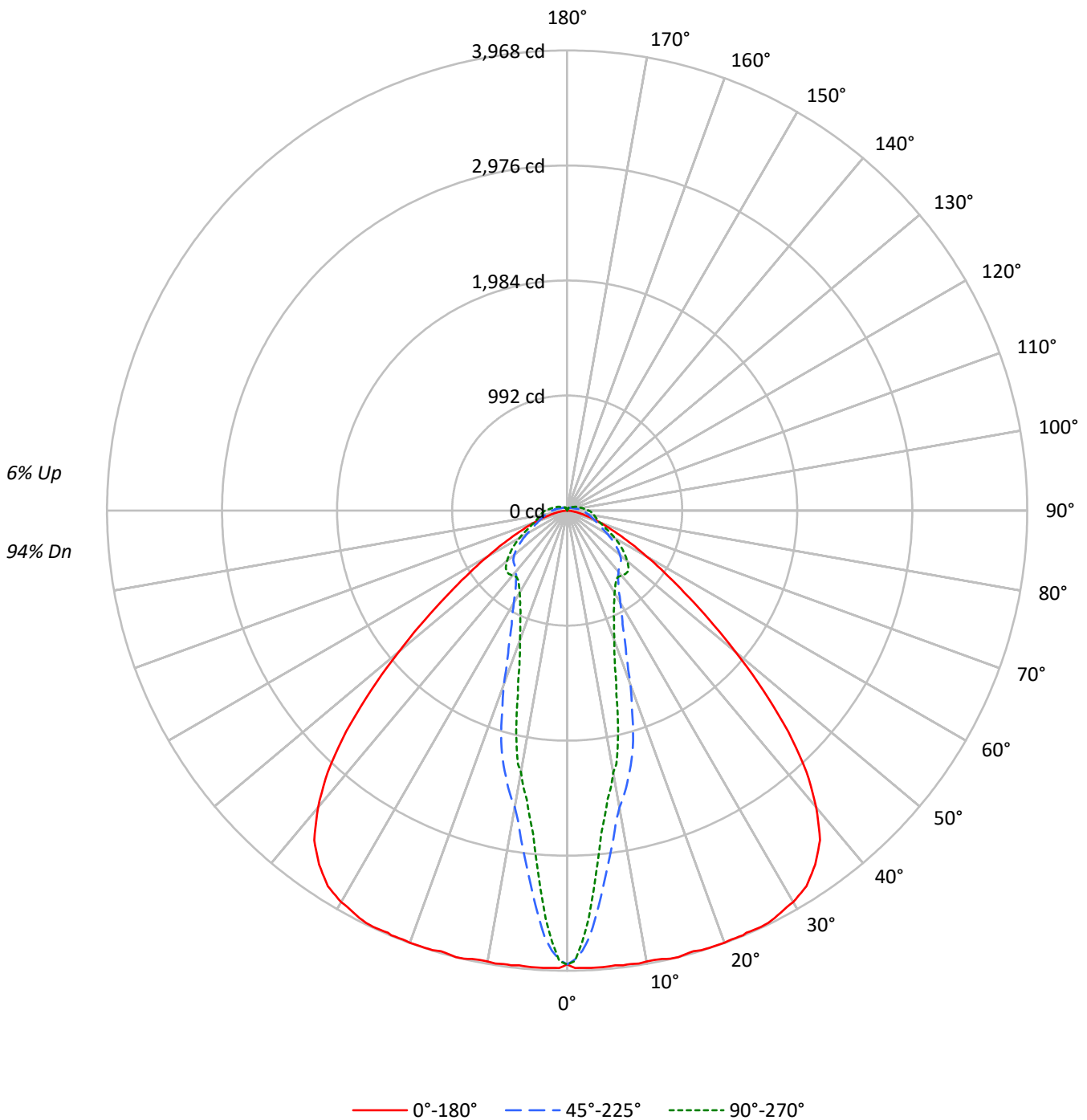
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4824.0 lumens
Efficiency: N/A
Efficacy: 137.8 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): 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

TEST NUMBER: P566533
CATALOG NUMBER: 4SNX-51SL-LC-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566533

CATALOG NUMBER: 4SNX-51SL-LC-UNV-L950-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°	42125	42125	42125
5°	42504	34599	30970
10°	42838	26119	22413
15°	43619	21350	15520
20°	44744	15449	10961
25°	46140	11068	8623
30°	47318	8843	7344
35°	47598	7479	6577
40°	45378	6800	6594
45°	39379	6569	6774
50°	30211	6248	6321
55°	21894	5464	5608
60°	15884	4559	4743
65°	11559	3856	3887
70°	8517	3405	3352
75°	6050	3154	3125
80°	3966	2952	3077
85°	1857	2815	3082



TEST NUMBER: P566533

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.8	6.4
10°-20°	668.3	13.9
20°-30°	765.0	15.9
30°-40°	766.4	15.9
40°-50°	725.5	15.0
50°-60°	556.4	11.5
60°-70°	358.6	7.4
70°-80°	228.7	4.7
80°-90°	151.9	3.1
90°-100°	102.1	2.1
100°-110°	67.3	1.4
110°-120°	46.8	1.0
120°-130°	32.6	0.7
130°-140°	22.7	0.5
140°-150°	13.9	0.3
150°-160°	7.0	0.1
160°-170°	2.7	0.1
170°-180°	0.5	0.0
0°-30°	1741.1	36.1
0°-40°	2507.4	52.0
0°-60°	3789.3	78.5
0°-90°	4528.4	93.9
90°-120°	216.2	4.5
90°-150°	285.3	5.9
90°-180°	296.0	6.1
0°-180°	4824.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3914	3914	3914	3914	3914	
5°	3948	3730	3342	3117	3033	377
15°	3958	2850	2173	1785	1642	1123
25°	3960	2017	1150	999	952	1826
35°	3728	1122	769	744	734	2313
45°	2695	710	648	717	742	2049
55°	1236	507	499	561	583	1137
65°	494	319	314	358	371	509
75°	168	173	218	250	262	185
85°	22	79	153	200	215	31
90°	0	54	129	178	185	1
95°	0	40	106	146	153	0
105°	0	30	69	99	106	2
115°	2	25	52	72	77	2
125°	2	22	44	52	54	2
135°	2	17	35	42	44	2
145°	2	12	25	32	35	2
155°	2	7	15	22	25	1
165°	5	5	10	12	15	1
175°	5	5	5	5	2	0
180°	5	5	5	5	5	



TEST NUMBER: P566533

CATALOG NUMBER: 4SNX-51SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3913.5	3913.5	3913.5	3913.5	3913.5
1°	3945.6	3923.4	3871.4	3886.3	3883.8
2°	3945.6	3898.6	3797.3	3767.6	3723.1
3°	3948.1	3856.6	3683.6	3587.1	3525.3
4°	3948.1	3794.8	3515.4	3354.7	3275.6
5°	3948.1	3730.5	3342.4	3117.4	3033.4
6°	3943.1	3653.9	3166.9	2929.5	2803.5
7°	3950.5	3569.8	3008.6	2754.0	2655.1
8°	3948.1	3470.9	2862.8	2620.5	2511.7
9°	3955.5	3374.5	2704.6	2494.4	2412.8
10°	3948.1	3285.5	2600.7	2375.8	2291.7
11°	3948.1	3199.0	2526.6	2299.1	2227.4
12°	3953.0	3100.1	2445.0	2190.4	2091.5
13°	3965.4	2998.8	2351.0	2071.7	1955.5
14°	3967.9	2922.1	2264.5	1920.9	1799.7
15°	3958.0	2850.4	2173.0	1784.9	1641.5
16°	3953.0	2776.3	2064.3	1656.4	1527.8
17°	3962.9	2689.7	1940.7	1525.3	1406.7
18°	3965.4	2610.6	1809.6	1426.4	1322.6
19°	3965.4	2548.8	1703.3	1335.0	1246.0
20°	3965.4	2489.5	1594.6	1265.8	1189.1
21°	3960.4	2415.3	1470.9	1194.1	1129.8
22.5°	3962.9	2276.9	1330.0	1110.0	1058.1
23°	3955.5	2242.3	1295.4	1087.8	1033.4
24°	3958.0	2143.4	1221.3	1043.3	991.3
25°	3960.4	2017.3	1149.6	998.8	951.8
26°	3955.5	1915.9	1090.2	956.7	924.6
27°	3943.1	1834.4	1048.2	922.1	892.5
28°	3925.8	1725.6	1003.7	892.5	865.3
29°	3908.5	1602.0	959.2	860.3	840.5
30°	3898.6	1503.1	917.2	835.6	818.3
32.5°	3839.3	1307.8	830.7	786.2	771.3
35°	3728.0	1122.4	768.8	744.1	734.2
37.5°	3582.2	979.0	721.9	716.9	719.4
40°	3342.4	865.3	687.3	709.5	731.8
42.5°	3055.6	776.3	662.5	716.9	741.7
45°	2694.7	709.5	647.7	716.9	741.7
47.5°	2294.2	655.1	630.4	692.2	716.9
50°	1893.7	605.7	595.8	655.1	677.4
52.5°	1540.2	558.7	551.3	608.2	630.4
55°	1236.1	506.8	499.4	561.2	583.4
57.5°	991.3	457.4	449.9	506.8	529.0
60°	791.1	407.9	395.5	452.4	474.7
62.5°	630.4	360.9	353.5	403.0	422.7
65°	494.4	318.9	314.0	358.5	370.8



TEST NUMBER: P566533

CATALOG NUMBER: 4SNX-51SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	390.6	279.4	281.8	318.9	333.7
70°	301.6	242.3	257.1	291.7	301.6
72.5°	227.4	205.2	237.3	267.0	279.4
75°	168.1	173.1	217.6	249.7	262.1
77.5°	116.2	143.4	200.2	234.9	247.2
80°	79.1	116.2	182.9	222.5	237.3
82.5°	47.0	96.4	168.1	210.1	227.4
85°	22.2	79.1	153.3	200.2	215.1
87.5°	7.4	64.3	138.4	190.4	202.7
90°	0.0	54.4	128.6	178.0	185.4
92.5°	0.0	47.0	116.2	163.2	168.1
95°	0.0	39.6	106.3	145.9	153.3
97.5°	0.0	37.1	98.9	131.0	140.9
100°	0.0	34.6	89.0	118.7	128.6
102.5°	0.0	29.7	79.1	106.3	116.2
105°	0.0	29.7	69.2	98.9	106.3
107.5°	2.5	27.2	64.3	89.0	98.9
110°	2.5	27.2	56.9	84.1	91.5
112.5°	2.5	27.2	54.4	76.6	86.5
115°	2.5	24.7	51.9	71.7	76.6
117.5°	2.5	24.7	49.4	64.3	69.2
120°	2.5	22.2	47.0	59.3	61.8
122.5°	2.5	22.2	44.5	54.4	56.9
125°	2.5	22.2	44.5	51.9	54.4
127.5°	2.5	19.8	42.0	49.4	49.4
130°	2.5	19.8	39.6	47.0	47.0
132.5°	2.5	17.3	37.1	44.5	47.0
135°	2.5	17.3	34.6	42.0	44.5
137.5°	2.5	14.8	32.1	39.6	42.0
140°	2.5	14.8	29.7	37.1	39.6
142.5°	2.5	12.4	27.2	34.6	37.1
145°	2.5	12.4	24.7	32.1	34.6
147.5°	2.5	12.4	22.2	29.7	32.1
150°	2.5	9.9	19.8	27.2	29.7
152.5°	2.5	9.9	17.3	24.7	27.2
155°	2.5	7.4	14.8	22.2	24.7
157.5°	2.5	7.4	14.8	19.8	22.2
160°	4.9	7.4	12.4	17.3	19.8
162.5°	2.5	4.9	12.4	14.8	17.3
165°	4.9	4.9	9.9	12.4	14.8
167.5°	4.9	4.9	7.4	9.9	12.4
170°	4.9	4.9	7.4	7.4	9.9
172.5°	4.9	4.9	4.9	7.4	4.9
175°	4.9	4.9	4.9	4.9	2.5
177.5°	4.9	4.9	4.9	4.9	2.5



TEST NUMBER: P566533

CATALOG NUMBER: 4SNX-51SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)