

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: P566548

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566548
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-51SL-LW-UNV-L940-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

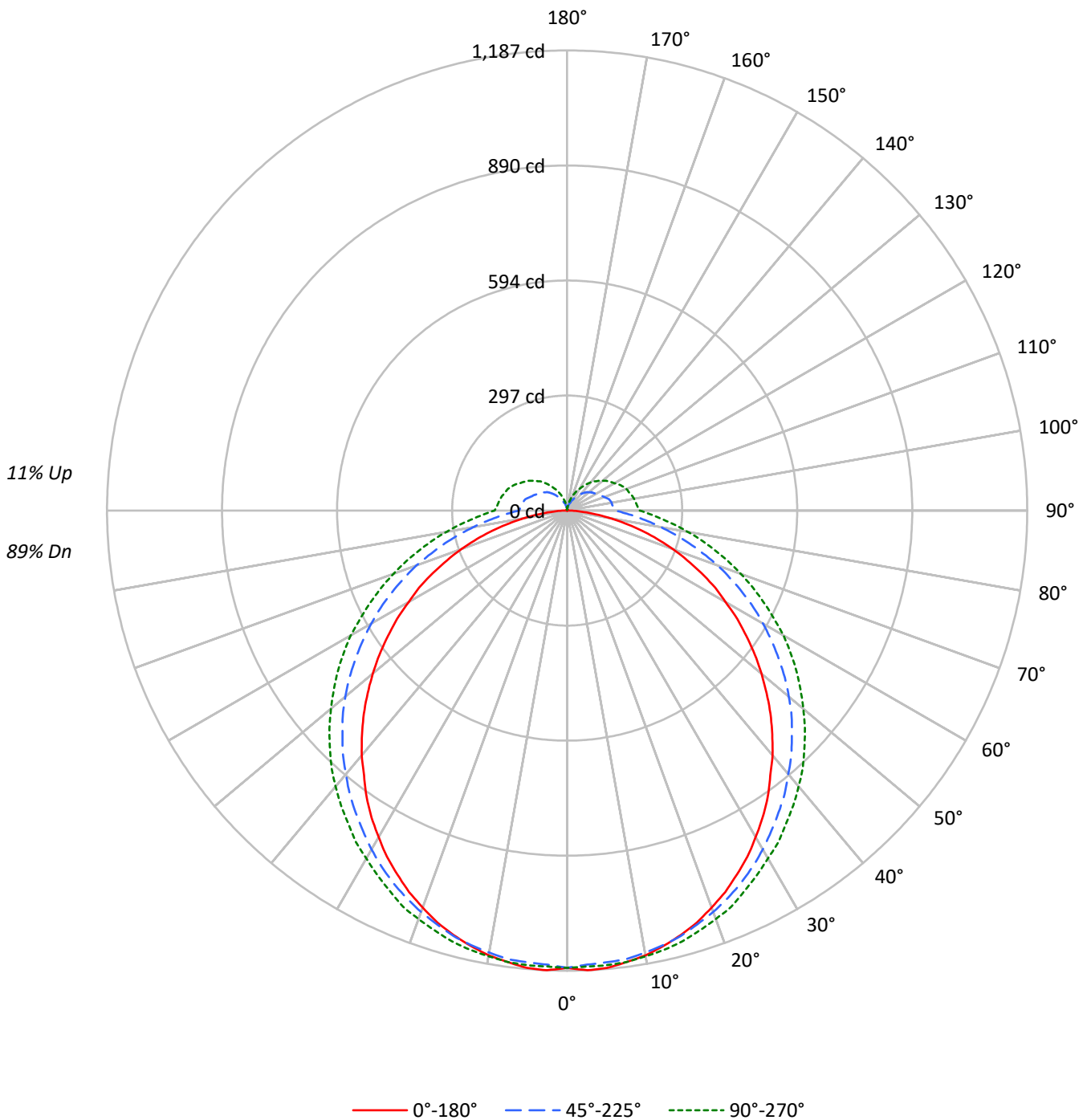
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4199.0 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 35
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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12696	12696	12696
5°	12751	12109	12018
10°	12639	11626	11416
15°	12490	11158	10876
20°	12293	10674	10334
25°	12070	10209	9805
30°	11807	9731	9298
35°	11520	9251	8824
40°	11193	8782	8371
45°	10840	8313	7908
50°	10437	7829	7421
55°	9993	7291	6944
60°	9473	6729	6439
65°	8927	6123	5864
70°	8172	5475	5298
75°	7177	4724	4698
80°	5611	3964	4100
85°	3664	3260	3484



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.0	2.7
10°-20°	322.0	7.7
20°-30°	489.6	11.7
30°-40°	594.4	14.2
40°-50°	628.1	15.0
50°-60°	587.7	14.0
60°-70°	482.2	11.5
70°-80°	331.7	7.9
80°-90°	181.7	4.3
90°-100°	117.0	2.8
100°-110°	105.0	2.5
110°-120°	86.9	2.1
120°-130°	66.9	1.6
130°-140°	47.0	1.1
140°-150°	28.3	0.7
150°-160°	13.6	0.3
160°-170°	4.5	0.1
170°-180°	0.5	0.0
0°-30°	923.7	22.0
0°-40°	1518.0	36.2
0°-60°	2733.9	65.1
0°-90°	3729.4	88.8
90°-120°	308.8	7.4
90°-150°	451.0	10.7
90°-180°	470.0	11.2
0°-180°	4199.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1180	1180	1180	1180	1180	
5°	1184	1182	1170	1180	1177	112
15°	1133	1138	1136	1150	1150	320
25°	1036	1048	1060	1082	1082	477
35°	902	924	951	978	985	564
45°	742	776	820	856	866	572
55°	564	610	666	708	722	505
65°	382	433	499	545	559	378
75°	199	253	326	377	394	210
85°	44	105	178	226	243	51
90°	0	58	124	170	187	3
95°	0	56	119	163	180	0
105°	0	46	112	153	168	2
115°	2	41	95	136	153	2
125°	2	34	80	117	131	2
135°	2	27	66	95	107	2
145°	2	20	46	73	80	2
155°	2	12	29	46	54	1
165°	2	7	15	22	27	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1179.5	1179.5	1179.5	1179.5	1179.5
2.5°	1186.8	1184.4	1172.2	1181.9	1177.1
5°	1184.4	1181.9	1169.8	1179.5	1177.1
7.5°	1174.6	1174.6	1167.3	1177.1	1174.6
10°	1164.9	1164.9	1157.6	1169.8	1167.3
12.5°	1150.3	1152.8	1147.9	1162.5	1160.1
15°	1133.3	1138.2	1135.7	1150.3	1150.3
17.5°	1113.8	1118.7	1118.7	1135.7	1135.7
20°	1089.5	1096.8	1101.7	1121.1	1121.1
22.5°	1065.2	1074.9	1082.2	1099.3	1106.5
25°	1036.0	1048.2	1060.3	1082.2	1082.2
27.5°	1006.8	1021.4	1036.0	1057.9	1060.3
30°	972.8	989.8	1009.3	1031.2	1036.0
32.5°	938.7	960.6	980.1	1006.8	1014.1
35°	902.3	924.2	950.9	977.7	985.0
37.5°	860.9	887.7	921.7	950.9	958.2
40°	824.4	853.6	887.7	921.7	929.0
42.5°	783.1	814.7	856.1	887.7	899.8
45°	741.8	775.8	819.6	856.1	865.8
47.5°	698.0	736.9	785.5	819.6	831.7
50°	654.2	695.5	746.6	785.5	795.3
52.5°	610.4	654.2	707.7	746.6	758.8
55°	564.2	610.4	666.4	707.7	722.3
57.5°	520.4	566.7	625.0	668.8	683.4
60°	471.8	525.3	583.7	627.5	644.5
62.5°	430.5	479.1	542.3	586.1	600.7
65°	381.8	432.9	498.6	544.8	559.4
67.5°	335.6	389.1	454.8	503.4	518.0
70°	289.4	342.9	413.4	459.6	476.7
72.5°	243.2	299.1	367.2	418.3	435.3
75°	199.4	252.9	325.9	377.0	394.0
77.5°	153.2	211.6	284.5	335.6	355.1
80°	111.9	172.7	245.6	296.7	316.2
82.5°	75.4	136.2	209.2	260.2	279.7
85°	43.8	104.6	177.5	226.2	243.2
87.5°	21.9	80.3	148.4	197.0	214.0
90°	0.0	58.4	124.0	170.2	187.3
92.5°	0.0	55.9	121.6	165.4	182.4
95°	0.0	55.9	119.2	162.9	180.0
97.5°	0.0	53.5	116.7	162.9	177.5
100°	0.0	51.1	116.7	160.5	175.1
102.5°	0.0	48.6	114.3	158.1	172.7
105°	0.0	46.2	111.9	153.2	167.8
107.5°	2.4	46.2	107.0	150.8	165.4
110°	2.4	43.8	102.1	148.4	162.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	41.3	97.3	143.5	158.1
115°	2.4	41.3	94.8	136.2	153.2
117.5°	2.4	38.9	90.0	131.3	148.4
120°	2.4	38.9	87.6	126.5	141.1
122.5°	2.4	36.5	82.7	121.6	136.2
125°	2.4	34.0	80.3	116.7	131.3
127.5°	2.4	31.6	77.8	111.9	126.5
130°	2.4	29.2	73.0	107.0	119.2
132.5°	2.4	29.2	70.5	99.7	114.3
135°	2.4	26.8	65.7	94.8	107.0
137.5°	2.4	24.3	60.8	90.0	102.1
140°	2.4	21.9	55.9	85.1	94.8
142.5°	2.4	21.9	51.1	77.8	87.6
145°	2.4	19.5	46.2	73.0	80.3
147.5°	2.4	17.0	41.3	65.7	73.0
150°	2.4	17.0	36.5	58.4	65.7
152.5°	2.4	14.6	31.6	53.5	60.8
155°	2.4	12.2	29.2	46.2	53.5
157.5°	2.4	12.2	24.3	38.9	46.2
160°	2.4	9.7	21.9	31.6	38.9
162.5°	2.4	9.7	19.5	26.8	34.0
165°	2.4	7.3	14.6	21.9	26.8
167.5°	2.4	7.3	12.2	17.0	21.9
170°	2.4	4.9	9.7	12.2	17.0
172.5°	2.4	4.9	7.3	7.3	7.3
175°	2.4	2.4	4.9	4.9	2.4
177.5°	2.4	2.4	2.4	2.4	2.4
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)