

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: P566549

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566549
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-L950-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

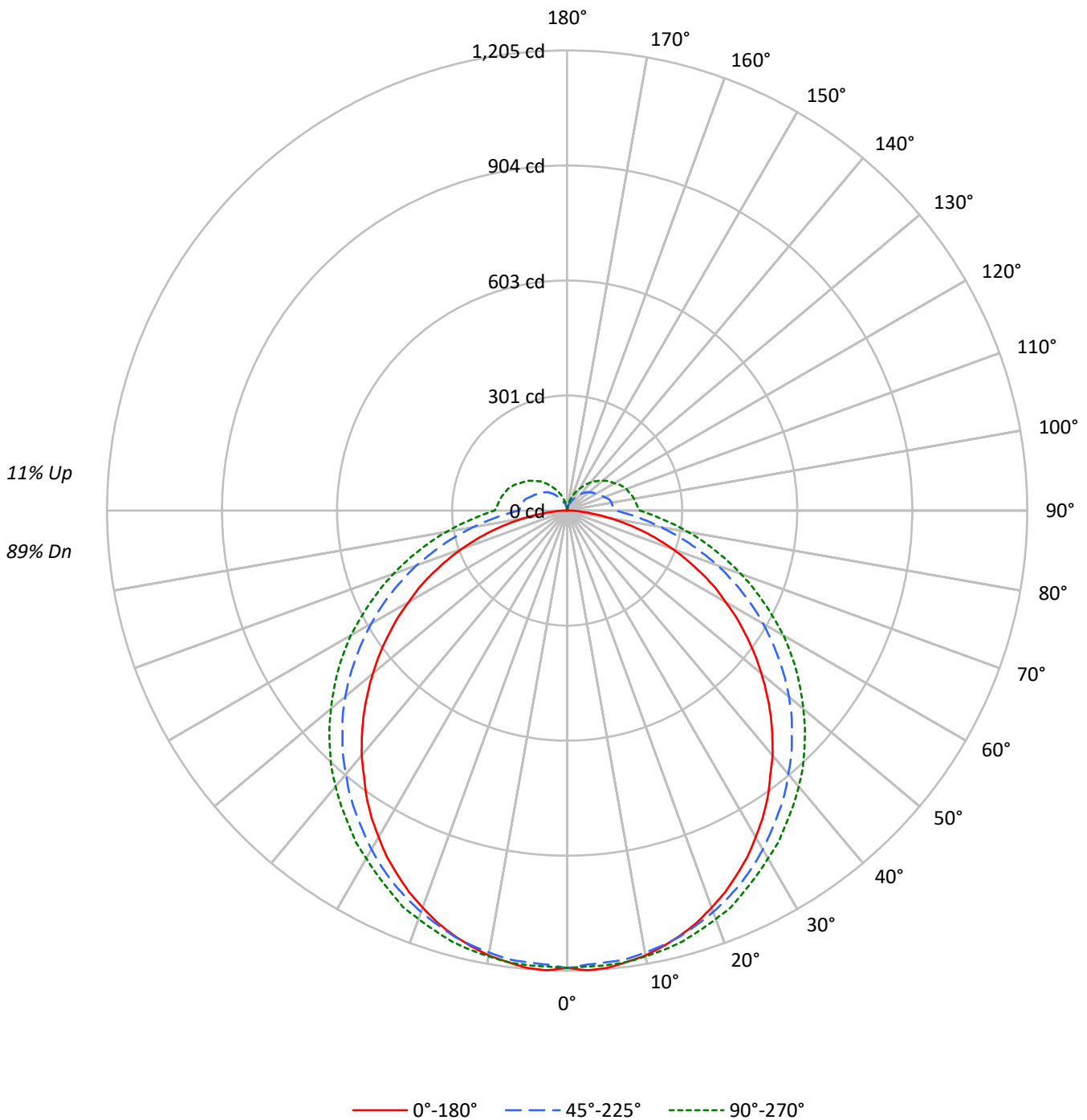
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4263.0 lumens
Efficiency: N/A
Efficacy: 121.8 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 (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	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°	12890	12890	12890
5°	12945	12293	12200
10°	12833	11804	11591
15°	12680	11328	11042
20°	12481	10837	10492
25°	12254	10364	9954
30°	11987	9879	9440
35°	11695	9392	8958
40°	11364	8916	8499
45°	11005	8439	8028
50°	10596	7949	7534
55°	10146	7401	7049
60°	9618	6831	6537
65°	9062	6216	5953
70°	8297	5559	5378
75°	7288	4796	4769
80°	5696	4025	4162
85°	3714	3309	3537



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.7	2.7
10°-20°	326.9	7.7
20°-30°	497.1	11.7
30°-40°	603.4	14.2
40°-50°	637.6	15.0
50°-60°	596.7	14.0
60°-70°	489.6	11.5
70°-80°	336.7	7.9
80°-90°	184.4	4.3
90°-100°	118.7	2.8
100°-110°	106.6	2.5
110°-120°	88.2	2.1
120°-130°	67.9	1.6
130°-140°	47.7	1.1
140°-150°	28.8	0.7
150°-160°	13.8	0.3
160°-170°	4.5	0.1
170°-180°	0.5	0.0
0°-30°	937.8	22.0
0°-40°	1541.2	36.2
0°-60°	2775.5	65.1
0°-90°	3786.3	88.8
90°-120°	313.5	7.4
90°-150°	457.9	10.7
90°-180°	477.0	11.2
0°-180°	4263.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1198	1198	1198	1198	1198	
5°	1202	1200	1188	1198	1195	114
15°	1151	1156	1153	1168	1168	324
25°	1052	1064	1076	1099	1099	485
35°	916	938	965	993	1000	572
45°	753	788	832	869	879	580
55°	573	620	676	718	733	513
65°	388	440	506	553	568	384
75°	202	257	331	383	400	213
85°	44	106	180	230	247	51
90°	0	59	126	173	190	3
95°	0	57	121	165	183	0
105°	0	47	114	156	170	2
115°	2	42	96	138	156	2
125°	2	35	82	118	133	2
135°	2	27	67	96	109	2
145°	2	20	47	74	82	2
155°	2	12	30	47	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1197.5	1197.5	1197.5	1197.5	1197.5
2.5°	1204.9	1202.4	1190.1	1200.0	1195.0
5°	1202.4	1200.0	1187.6	1197.5	1195.0
7.5°	1192.5	1192.5	1185.1	1195.0	1192.5
10°	1182.7	1182.7	1175.3	1187.6	1185.1
12.5°	1167.9	1170.3	1165.4	1180.2	1177.7
15°	1150.6	1155.5	1153.0	1167.9	1167.9
17.5°	1130.8	1135.8	1135.8	1153.0	1153.0
20°	1106.1	1113.5	1118.5	1138.2	1138.2
22.5°	1081.4	1091.3	1098.7	1116.0	1123.4
25°	1051.8	1064.2	1076.5	1098.7	1098.7
27.5°	1022.2	1037.0	1051.8	1074.0	1076.5
30°	987.6	1004.9	1024.7	1046.9	1051.8
32.5°	953.1	975.3	995.0	1022.2	1029.6
35°	916.0	938.2	965.4	992.6	1000.0
37.5°	874.0	901.2	935.8	965.4	972.8
40°	837.0	866.6	901.2	935.8	943.2
42.5°	795.0	827.1	869.1	901.2	913.5
45°	753.1	787.6	832.1	869.1	879.0
47.5°	708.6	748.1	797.5	832.1	844.4
50°	664.2	706.1	758.0	797.5	807.4
52.5°	619.7	664.2	718.5	758.0	770.3
55°	572.8	619.7	676.5	718.5	733.3
57.5°	528.4	575.3	634.5	679.0	693.8
60°	479.0	533.3	592.6	637.0	654.3
62.5°	437.0	486.4	550.6	595.0	609.9
65°	387.6	439.5	506.2	553.1	567.9
67.5°	340.7	395.0	461.7	511.1	525.9
70°	293.8	348.1	419.7	466.6	483.9
72.5°	246.9	303.7	372.8	424.7	442.0
75°	202.5	256.8	330.9	382.7	400.0
77.5°	155.5	214.8	288.9	340.7	360.5
80°	113.6	175.3	249.4	301.2	321.0
82.5°	76.5	138.3	212.3	264.2	283.9
85°	44.4	106.2	180.2	229.6	246.9
87.5°	22.2	81.5	150.6	200.0	217.3
90°	0.0	59.3	125.9	172.8	190.1
92.5°	0.0	56.8	123.5	167.9	185.2
95°	0.0	56.8	121.0	165.4	182.7
97.5°	0.0	54.3	118.5	165.4	180.2
100°	0.0	51.8	118.5	163.0	177.8
102.5°	0.0	49.4	116.0	160.5	175.3
105°	0.0	46.9	113.6	155.5	170.4
107.5°	2.5	46.9	108.6	153.1	167.9
110°	2.5	44.4	103.7	150.6	165.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	42.0	98.8	145.7	160.5
115°	2.5	42.0	96.3	138.3	155.5
117.5°	2.5	39.5	91.4	133.3	150.6
120°	2.5	39.5	88.9	128.4	143.2
122.5°	2.5	37.0	83.9	123.5	138.3
125°	2.5	34.6	81.5	118.5	133.3
127.5°	2.5	32.1	79.0	113.6	128.4
130°	2.5	29.6	74.1	108.6	121.0
132.5°	2.5	29.6	71.6	101.2	116.0
135°	2.5	27.2	66.7	96.3	108.6
137.5°	2.5	24.7	61.7	91.4	103.7
140°	2.5	22.2	56.8	86.4	96.3
142.5°	2.5	22.2	51.8	79.0	88.9
145°	2.5	19.8	46.9	74.1	81.5
147.5°	2.5	17.3	42.0	66.7	74.1
150°	2.5	17.3	37.0	59.3	66.7
152.5°	2.5	14.8	32.1	54.3	61.7
155°	2.5	12.3	29.6	46.9	54.3
157.5°	2.5	12.3	24.7	39.5	46.9
160°	2.5	9.9	22.2	32.1	39.5
162.5°	2.5	9.9	19.8	27.2	34.6
165°	2.5	7.4	14.8	22.2	27.2
167.5°	2.5	7.4	12.3	17.3	22.2
170°	2.5	4.9	9.9	12.3	17.3
172.5°	2.5	4.9	7.4	7.4	7.4
175°	2.5	2.5	4.9	4.9	2.5
177.5°	2.5	2.5	2.5	2.5	2.5
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)