

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: P566555

Luminaire Tested: **4SNX-51SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566555
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-SLW-UNV-L935-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

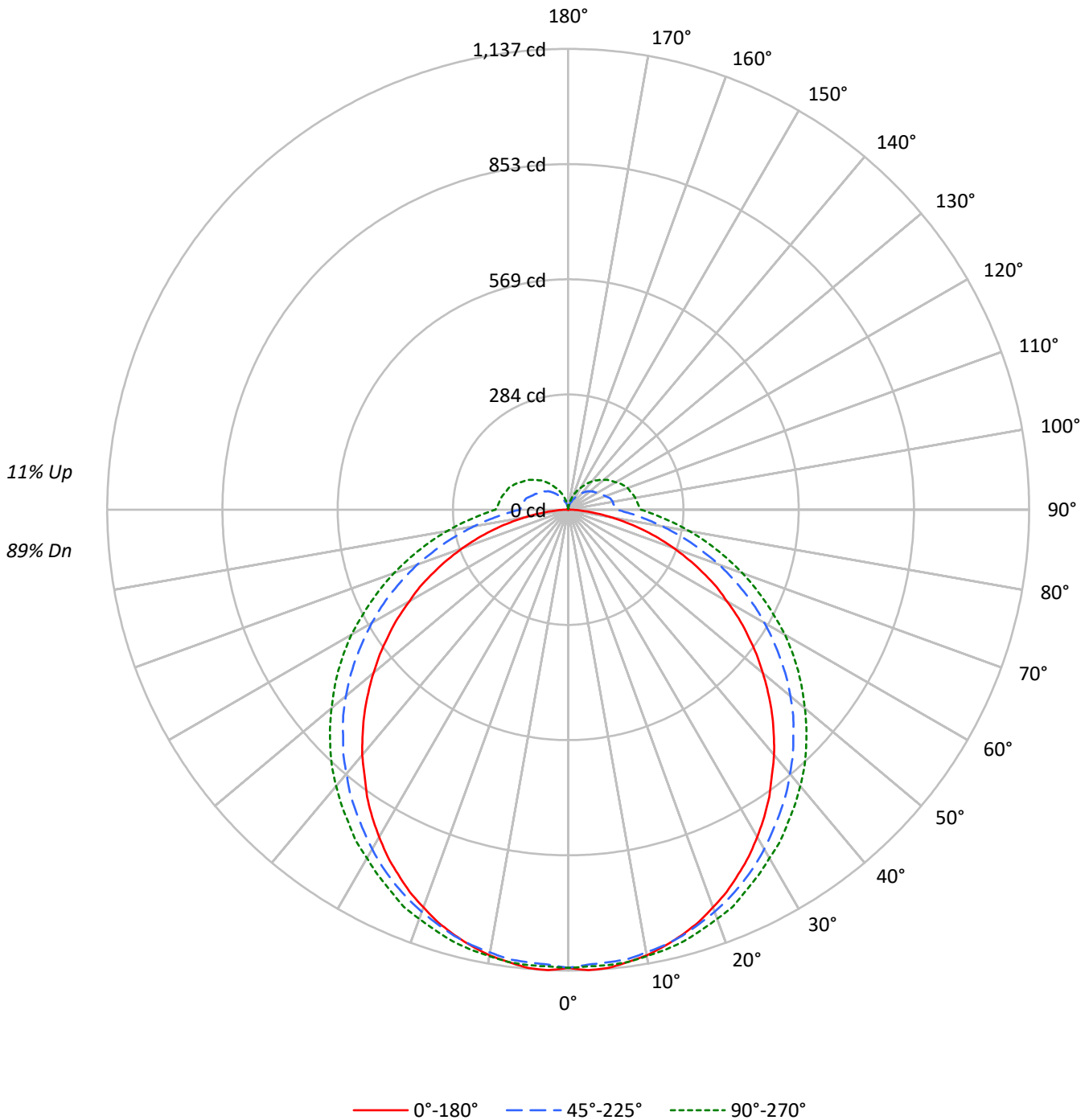
Lumens per Lamp: N/A
Luminaire Lumens: 4024.0 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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	77	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°	12168	12168	12168
5°	12241	11854	11844
10°	12158	11615	11551
15°	12036	11369	11281
20°	11870	11087	10980
25°	11678	10812	10666
30°	11449	10508	10355
35°	11200	10194	10064
40°	10912	9885	9784
45°	10600	9569	9482
50°	10245	9236	9144
55°	9855	8836	8812
60°	9395	8408	8441
65°	8922	7928	7974
70°	8256	7399	7518
75°	7376	6726	7014
80°	5945	6043	6515
85°	4193	5455	6004



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.4	2.7
10°-20°	308.6	7.7
20°-30°	469.2	11.7
30°-40°	569.6	14.2
40°-50°	601.9	15.0
50°-60°	563.2	14.0
60°-70°	462.1	11.5
70°-80°	317.9	7.9
80°-90°	174.1	4.3
90°-100°	112.1	2.8
100°-110°	100.6	2.5
110°-120°	83.3	2.1
120°-130°	64.1	1.6
130°-140°	45.0	1.1
140°-150°	27.1	0.7
150°-160°	13.0	0.3
160°-170°	4.3	0.1
170°-180°	0.5	0.0
0°-30°	885.2	22.0
0°-40°	1454.8	36.2
0°-60°	2619.9	65.1
0°-90°	3574.0	88.8
90°-120°	295.9	7.4
90°-150°	432.2	10.7
90°-180°	450.0	11.2
0°-180°	4024.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1130	1130	1130	1130	1130	
5°	1135	1133	1121	1130	1128	108
15°	1086	1091	1088	1102	1102	306
25°	993	1004	1016	1037	1037	457
35°	865	886	911	937	944	540
45°	711	744	785	820	830	548
55°	541	585	639	678	692	484
65°	366	415	478	522	536	362
75°	191	242	312	361	378	201
85°	42	100	170	217	233	48
90°	0	56	119	163	180	3
95°	0	54	114	156	172	0
105°	0	44	107	147	161	2
115°	2	40	91	130	147	2
125°	2	33	77	112	126	2
135°	2	26	63	91	102	2
145°	2	19	44	70	77	1
155°	2	12	28	44	51	1
165°	2	7	14	21	26	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°	1130.4	1130.4	1130.4	1130.4	1130.4
2.5°	1137.3	1135.0	1123.4	1132.7	1128.0
5°	1135.0	1132.7	1121.0	1130.4	1128.0
7.5°	1125.7	1125.7	1118.7	1128.0	1125.7
10°	1116.4	1116.4	1109.4	1121.0	1118.7
12.5°	1102.4	1104.7	1100.1	1114.0	1111.7
15°	1086.1	1090.7	1088.4	1102.4	1102.4
17.5°	1067.4	1072.1	1072.1	1088.4	1088.4
20°	1044.1	1051.1	1055.8	1074.4	1074.4
22.5°	1020.8	1030.1	1037.1	1053.4	1060.4
25°	992.8	1004.5	1016.2	1037.1	1037.1
27.5°	964.9	978.9	992.8	1013.8	1016.2
30°	932.2	948.6	967.2	988.2	992.8
32.5°	899.6	920.6	939.2	964.9	971.9
35°	864.7	885.6	911.3	936.9	943.9
37.5°	825.0	850.7	883.3	911.3	918.3
40°	790.1	818.0	850.7	883.3	890.3
42.5°	750.5	780.8	820.4	850.7	862.3
45°	710.8	743.5	785.4	820.4	829.7
47.5°	668.9	706.2	752.8	785.4	797.1
50°	626.9	666.6	715.5	752.8	762.1
52.5°	585.0	626.9	678.2	715.5	727.2
55°	540.7	585.0	638.6	678.2	692.2
57.5°	498.8	543.0	599.0	640.9	654.9
60°	452.1	503.4	559.3	601.3	617.6
62.5°	412.5	459.1	519.7	561.7	575.7
65°	365.9	414.9	477.8	522.1	536.0
67.5°	321.6	372.9	435.8	482.4	496.4
70°	277.3	328.6	396.2	440.5	456.8
72.5°	233.1	286.7	351.9	400.9	417.2
75°	191.1	242.4	312.3	361.2	377.6
77.5°	146.8	202.8	272.7	321.6	340.3
80°	107.2	165.5	235.4	284.3	303.0
82.5°	72.2	130.5	200.4	249.4	268.0
85°	42.0	100.2	170.1	216.7	233.1
87.5°	21.0	76.9	142.2	188.8	205.1
90°	0.0	55.9	118.9	163.1	179.5
92.5°	0.0	53.6	116.5	158.5	174.8
95°	0.0	53.6	114.2	156.2	172.5
97.5°	0.0	51.3	111.9	156.2	170.1
100°	0.0	48.9	111.9	153.8	167.8
102.5°	0.0	46.6	109.5	151.5	165.5
105°	0.0	44.3	107.2	146.8	160.8
107.5°	2.3	44.3	102.5	144.5	158.5
110°	2.3	42.0	97.9	142.2	156.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	39.6	93.2	137.5	151.5
115°	2.3	39.6	90.9	130.5	146.8
117.5°	2.3	37.3	86.2	125.9	142.2
120°	2.3	37.3	83.9	121.2	135.2
122.5°	2.3	35.0	79.2	116.5	130.5
125°	2.3	32.6	76.9	111.9	125.9
127.5°	2.3	30.3	74.6	107.2	121.2
130°	2.3	28.0	69.9	102.5	114.2
132.5°	2.3	28.0	67.6	95.6	109.5
135°	2.3	25.6	62.9	90.9	102.5
137.5°	2.3	23.3	58.3	86.2	97.9
140°	2.3	21.0	53.6	81.6	90.9
142.5°	2.3	21.0	48.9	74.6	83.9
145°	2.3	18.6	44.3	69.9	76.9
147.5°	2.3	16.3	39.6	62.9	69.9
150°	2.3	16.3	35.0	55.9	62.9
152.5°	2.3	14.0	30.3	51.3	58.3
155°	2.3	11.7	28.0	44.3	51.3
157.5°	2.3	11.7	23.3	37.3	44.3
160°	2.3	9.3	21.0	30.3	37.3
162.5°	2.3	9.3	18.6	25.6	32.6
165°	2.3	7.0	14.0	21.0	25.6
167.5°	2.3	7.0	11.7	16.3	21.0
170°	2.3	4.7	9.3	11.7	16.3
172.5°	2.3	4.7	7.0	7.0	7.0
175°	2.3	2.3	4.7	4.7	2.3
177.5°	2.3	2.3	2.3	2.3	2.3
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)