

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: P566401

Luminaire Tested: **4SNX-41SL-LW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566401
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-41SL-LW-UNV-L850-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

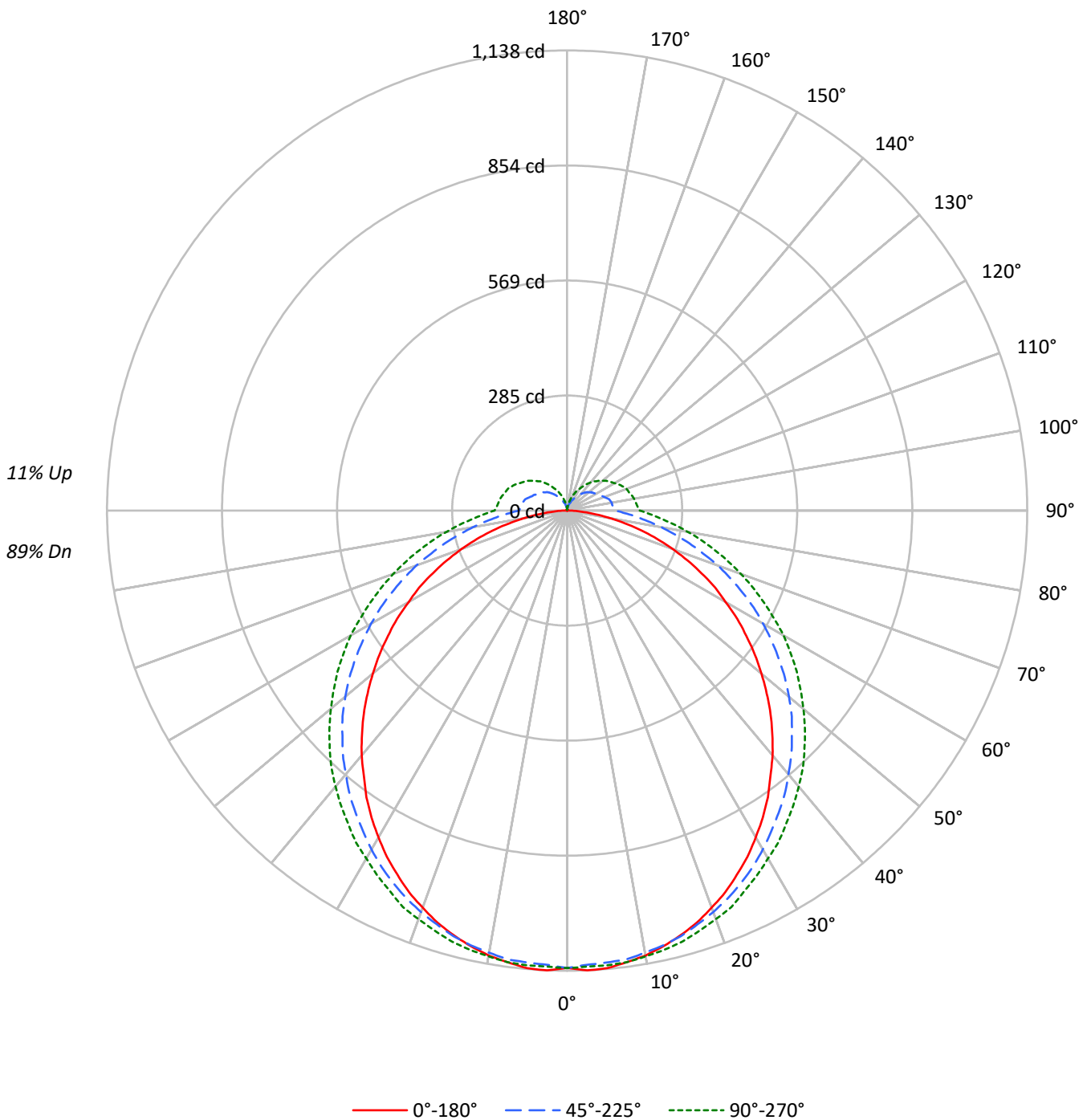
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4027.0 lumens
Efficiency: N/A
Efficacy: 153.1 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): 26.3
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°	12176	12176	12176
5°	12229	11613	11526
10°	12122	11150	10949
15°	11978	10701	10430
20°	11790	10237	9911
25°	11576	9791	9403
30°	11323	9332	8917
35°	11048	8872	8462
40°	10735	8422	8028
45°	10396	7972	7583
50°	10009	7508	7117
55°	9584	6992	6659
60°	9086	6453	6175
65°	8562	5871	5623
70°	7839	5252	5080
75°	6885	4529	4505
80°	5380	3803	3931
85°	3514	3127	3341



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.4	2.7
10°-20°	308.8	7.7
20°-30°	469.6	11.7
30°-40°	570.0	14.2
40°-50°	602.4	15.0
50°-60°	563.6	14.0
60°-70°	462.5	11.5
70°-80°	318.1	7.9
80°-90°	174.2	4.3
90°-100°	112.2	2.8
100°-110°	100.7	2.5
110°-120°	83.3	2.1
120°-130°	64.2	1.6
130°-140°	45.1	1.1
140°-150°	27.2	0.7
150°-160°	13.0	0.3
160°-170°	4.3	0.1
170°-180°	0.5	0.0
0°-30°	885.9	22.0
0°-40°	1455.9	36.2
0°-60°	2621.9	65.1
0°-90°	3576.7	88.8
90°-120°	296.2	7.4
90°-150°	432.6	10.7
90°-180°	450.0	11.2
0°-180°	4027.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1131	1131	1131	1131	1131	
5°	1136	1134	1122	1131	1129	108
15°	1087	1092	1089	1103	1103	306
25°	994	1005	1017	1038	1038	458
35°	865	886	912	938	945	541
45°	711	744	786	821	830	548
55°	541	585	639	679	693	484
65°	366	415	478	522	536	363
75°	191	243	312	362	378	201
85°	42	100	170	217	233	49
90°	0	56	119	163	180	3
95°	0	54	114	156	173	0
105°	0	44	107	147	161	2
115°	2	40	91	131	147	2
125°	2	33	77	112	126	2
135°	2	26	63	91	103	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°	1131.2	1131.2	1131.2	1131.2	1131.2
2.5°	1138.2	1135.9	1124.2	1133.5	1128.9
5°	1135.9	1133.5	1121.9	1131.2	1128.9
7.5°	1126.5	1126.5	1119.5	1128.9	1126.5
10°	1117.2	1117.2	1110.2	1121.9	1119.5
12.5°	1103.2	1105.5	1100.9	1114.9	1112.5
15°	1086.9	1091.5	1089.2	1103.2	1103.2
17.5°	1068.2	1072.9	1072.9	1089.2	1089.2
20°	1044.9	1051.9	1056.6	1075.2	1075.2
22.5°	1021.6	1030.9	1037.9	1054.2	1061.2
25°	993.6	1005.2	1016.9	1037.9	1037.9
27.5°	965.6	979.6	993.6	1014.6	1016.9
30°	932.9	949.3	967.9	988.9	993.6
32.5°	900.3	921.3	939.9	965.6	972.6
35°	865.3	886.3	912.0	937.6	944.6
37.5°	825.7	851.3	884.0	912.0	918.9
40°	790.7	818.7	851.3	884.0	891.0
42.5°	751.0	781.3	821.0	851.3	863.0
45°	711.4	744.0	786.0	821.0	830.3
47.5°	669.4	706.7	753.4	786.0	797.7
50°	627.4	667.1	716.0	753.4	762.7
52.5°	585.4	627.4	678.7	716.0	727.7
55°	541.1	585.4	639.1	678.7	692.7
57.5°	499.1	543.4	599.4	641.4	655.4
60°	452.5	503.8	559.8	601.7	618.1
62.5°	412.8	459.5	520.1	562.1	576.1
65°	366.2	415.2	478.1	522.4	536.4
67.5°	321.9	373.2	436.2	482.8	496.8
70°	277.6	328.9	396.5	440.8	457.1
72.5°	233.2	286.9	352.2	401.2	417.5
75°	191.3	242.6	312.5	361.5	377.8
77.5°	146.9	202.9	272.9	321.9	340.5
80°	107.3	165.6	235.6	284.5	303.2
82.5°	72.3	130.6	200.6	249.6	268.2
85°	42.0	100.3	170.3	216.9	233.2
87.5°	21.0	77.0	142.3	188.9	205.2
90°	0.0	56.0	119.0	163.3	179.6
92.5°	0.0	53.6	116.6	158.6	174.9
95°	0.0	53.6	114.3	156.3	172.6
97.5°	0.0	51.3	112.0	156.3	170.3
100°	0.0	49.0	112.0	153.9	167.9
102.5°	0.0	46.6	109.6	151.6	165.6
105°	0.0	44.3	107.3	146.9	160.9
107.5°	2.3	44.3	102.6	144.6	158.6
110°	2.3	42.0	98.0	142.3	156.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	39.7	93.3	137.6	151.6
115°	2.3	39.7	91.0	130.6	146.9
117.5°	2.3	37.3	86.3	125.9	142.3
120°	2.3	37.3	84.0	121.3	135.3
122.5°	2.3	35.0	79.3	116.6	130.6
125°	2.3	32.7	77.0	112.0	125.9
127.5°	2.3	30.3	74.6	107.3	121.3
130°	2.3	28.0	70.0	102.6	114.3
132.5°	2.3	28.0	67.6	95.6	109.6
135°	2.3	25.7	63.0	91.0	102.6
137.5°	2.3	23.3	58.3	86.3	98.0
140°	2.3	21.0	53.6	81.6	91.0
142.5°	2.3	21.0	49.0	74.6	84.0
145°	2.3	18.7	44.3	70.0	77.0
147.5°	2.3	16.3	39.7	63.0	70.0
150°	2.3	16.3	35.0	56.0	63.0
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	18.7	25.7	32.7
165°	2.3	7.0	14.0	21.0	25.7
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)