

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: P566405

Luminaire Tested: **4SNX-41SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566405
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-L950-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

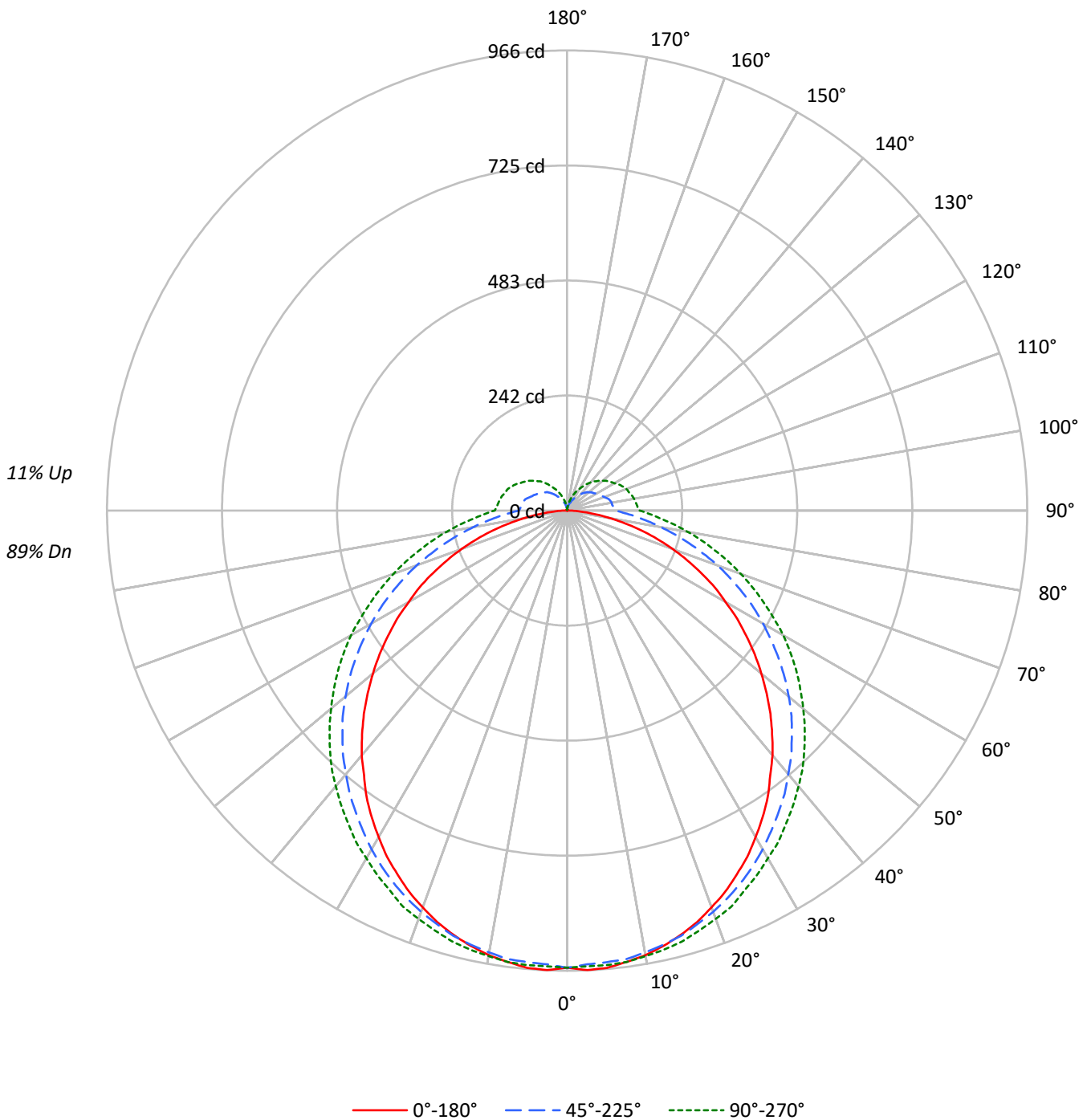
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3416.0 lumens
Efficiency: N/A
Efficacy: 129.9 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°	10329	10329	10329
5°	10373	9850	9777
10°	10283	9458	9288
15°	10161	9077	8848
20°	10002	8684	8408
25°	9819	8305	7976
30°	9605	7916	7564
35°	9372	7526	7178
40°	9106	7144	6810
45°	8818	6762	6433
50°	8490	6369	6038
55°	8130	5931	5649
60°	7706	5473	5238
65°	7262	4981	4771
70°	6647	4454	4310
75°	5838	3842	3821
80°	4563	3225	3335
85°	2978	2652	2834



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	2.7
10°-20°	262.0	7.7
20°-30°	398.3	11.7
30°-40°	483.5	14.2
40°-50°	510.9	15.0
50°-60°	478.1	14.0
60°-70°	392.3	11.5
70°-80°	269.8	7.9
80°-90°	147.8	4.3
90°-100°	95.2	2.8
100°-110°	85.4	2.5
110°-120°	70.7	2.1
120°-130°	54.4	1.6
130°-140°	38.2	1.1
140°-150°	23.0	0.7
150°-160°	11.0	0.3
160°-170°	3.6	0.1
170°-180°	0.4	0.0
0°-30°	751.4	22.0
0°-40°	1235.0	36.2
0°-60°	2224.0	65.1
0°-90°	3034.0	88.8
90°-120°	251.2	7.4
90°-150°	366.9	10.7
90°-180°	382.0	11.2
0°-180°	3416.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	960	960	960	960	960	
5°	964	962	952	960	958	91
15°	922	926	924	936	936	260
25°	843	853	863	880	880	388
35°	734	752	774	795	801	459
45°	603	631	667	696	704	465
55°	459	497	542	576	588	411
65°	311	352	406	443	455	308
75°	162	206	265	307	320	171
85°	36	85	144	184	198	41
90°	0	48	101	138	152	2
95°	0	46	97	133	146	0
105°	0	38	91	125	136	1
115°	2	34	77	111	125	2
125°	2	28	65	95	107	2
135°	2	22	53	77	87	2
145°	2	16	38	59	65	1
155°	2	10	24	38	44	1
165°	2	6	12	18	22	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 4SNX-41SL-LW-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	959.6	959.6	959.6	959.6	959.6
2.5°	965.5	963.5	953.6	961.5	957.6
5°	963.5	961.5	951.6	959.6	957.6
7.5°	955.6	955.6	949.7	957.6	955.6
10°	947.7	947.7	941.8	951.6	949.7
12.5°	935.8	937.8	933.8	945.7	943.7
15°	922.0	925.9	923.9	935.8	935.8
17.5°	906.1	910.1	910.1	923.9	923.9
20°	886.4	892.3	896.3	912.1	912.1
22.5°	866.6	874.5	880.4	894.3	900.2
25°	842.8	852.7	862.6	880.4	880.4
27.5°	819.1	831.0	842.8	860.6	862.6
30°	791.4	805.2	821.1	838.9	842.8
32.5°	763.7	781.5	797.3	819.1	825.0
35°	734.0	751.8	773.6	795.3	801.3
37.5°	700.4	722.1	749.8	773.6	779.5
40°	670.7	694.4	722.1	749.8	755.8
42.5°	637.1	662.8	696.4	722.1	732.0
45°	603.4	631.1	666.7	696.4	704.3
47.5°	567.8	599.5	639.0	666.7	676.6
50°	532.2	565.8	607.4	639.0	647.0
52.5°	496.6	532.2	575.7	607.4	617.3
55°	459.0	496.6	542.1	575.7	587.6
57.5°	423.4	461.0	508.5	544.1	556.0
60°	383.8	427.4	474.8	510.4	524.3
62.5°	350.2	389.8	441.2	476.8	488.7
65°	310.6	352.2	405.6	443.2	455.1
67.5°	273.0	316.6	370.0	409.5	421.4
70°	235.4	279.0	336.3	373.9	387.8
72.5°	197.8	243.4	298.8	340.3	354.1
75°	162.2	205.8	265.1	306.7	320.5
77.5°	124.6	172.1	231.5	273.0	288.9
80°	91.0	140.5	199.8	241.4	257.2
82.5°	61.3	110.8	170.1	211.7	227.5
85°	35.6	85.1	144.4	184.0	197.8
87.5°	17.8	65.3	120.7	160.3	174.1
90°	0.0	47.5	100.9	138.5	152.3
92.5°	0.0	45.5	98.9	134.5	148.4
95°	0.0	45.5	96.9	132.6	146.4
97.5°	0.0	43.5	95.0	132.6	144.4
100°	0.0	41.5	95.0	130.6	142.5
102.5°	0.0	39.6	93.0	128.6	140.5
105°	0.0	37.6	91.0	124.6	136.5
107.5°	2.0	37.6	87.1	122.7	134.5
110°	2.0	35.6	83.1	120.7	132.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	33.6	79.1	116.7	128.6
115°	2.0	33.6	77.2	110.8	124.6
117.5°	2.0	31.7	73.2	106.8	120.7
120°	2.0	31.7	71.2	102.9	114.8
122.5°	2.0	29.7	67.3	98.9	110.8
125°	2.0	27.7	65.3	95.0	106.8
127.5°	2.0	25.7	63.3	91.0	102.9
130°	2.0	23.7	59.4	87.1	96.9
132.5°	2.0	23.7	57.4	81.1	93.0
135°	2.0	21.8	53.4	77.2	87.1
137.5°	2.0	19.8	49.5	73.2	83.1
140°	2.0	17.8	45.5	69.2	77.2
142.5°	2.0	17.8	41.5	63.3	71.2
145°	2.0	15.8	37.6	59.4	65.3
147.5°	2.0	13.8	33.6	53.4	59.4
150°	2.0	13.8	29.7	47.5	53.4
152.5°	2.0	11.9	25.7	43.5	49.5
155°	2.0	9.9	23.7	37.6	43.5
157.5°	2.0	9.9	19.8	31.7	37.6
160°	2.0	7.9	17.8	25.7	31.7
162.5°	2.0	7.9	15.8	21.8	27.7
165°	2.0	5.9	11.9	17.8	21.8
167.5°	2.0	5.9	9.9	13.8	17.8
170°	2.0	4.0	7.9	9.9	13.8
172.5°	2.0	4.0	5.9	5.9	5.9
175°	2.0	2.0	4.0	4.0	2.0
177.5°	2.0	2.0	2.0	2.0	2.0
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)