

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: P566209

Luminaire Tested: **4SNX-26SL-LW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566209
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-26SL-LW-UNV-L850-CD
Description: 4FT 2600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

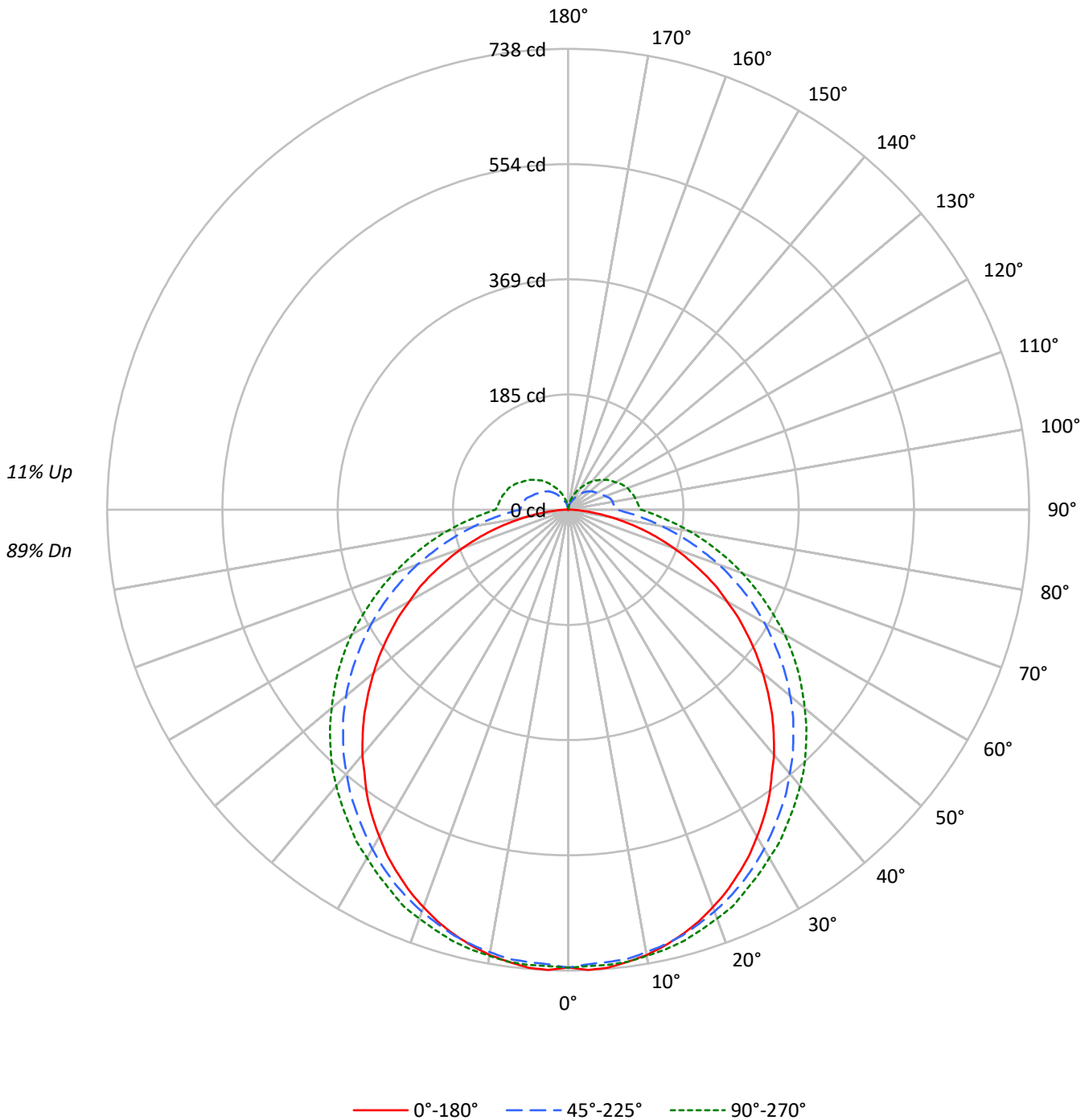
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2610.0 lumens
Efficiency: N/A
Efficacy: 159.1 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): 16.4
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°	7892	7892	7892
5°	7926	7527	7469
10°	7857	7227	7097
15°	7763	6935	6760
20°	7641	6635	6424
25°	7503	6346	6095
30°	7339	6048	5780
35°	7160	5750	5484
40°	6958	5459	5204
45°	6738	5167	4916
50°	6487	4867	4613
55°	6212	4532	4316
60°	5889	4182	4002
65°	5548	3805	3645
70°	5080	3404	3293
75°	4463	2937	2920
80°	3485	2465	2548
85°	2276	2027	2166



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	2.7
10°-20°	200.2	7.7
20°-30°	304.4	11.7
30°-40°	369.4	14.2
40°-50°	390.4	15.0
50°-60°	365.3	14.0
60°-70°	299.7	11.5
70°-80°	206.2	7.9
80°-90°	112.9	4.3
90°-100°	72.7	2.8
100°-110°	65.2	2.5
110°-120°	54.0	2.1
120°-130°	41.6	1.6
130°-140°	29.2	1.1
140°-150°	17.6	0.7
150°-160°	8.4	0.3
160°-170°	2.8	0.1
170°-180°	0.3	0.0
0°-30°	574.1	22.0
0°-40°	943.6	36.2
0°-60°	1699.3	65.1
0°-90°	2318.1	88.8
90°-120°	192.0	7.4
90°-150°	280.4	10.7
90°-180°	292.0	11.2
0°-180°	2610.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	733	733	733	733	733	
5°	736	735	727	733	732	70
15°	704	708	706	715	715	199
25°	644	652	659	673	673	297
35°	561	574	591	608	612	350
45°	461	482	509	532	538	355
55°	351	379	414	440	449	314
65°	237	269	310	339	348	235
75°	124	157	203	234	245	131
85°	27	65	110	141	151	31
90°	0	36	77	106	116	2
95°	0	35	74	101	112	0
105°	0	29	70	95	104	1
115°	2	26	59	85	95	1
125°	2	21	50	73	82	1
135°	2	17	41	59	66	1
145°	2	12	29	45	50	1
155°	2	8	18	29	33	1
165°	2	4	9	14	17	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	733.2	733.2	733.2	733.2	733.2
2.5°	737.7	736.2	728.6	734.7	731.6
5°	736.2	734.7	727.1	733.2	731.6
7.5°	730.1	730.1	725.6	731.6	730.1
10°	724.1	724.1	719.6	727.1	725.6
12.5°	715.0	716.5	713.5	722.6	721.1
15°	704.4	707.5	705.9	715.0	715.0
17.5°	692.3	695.4	695.4	705.9	705.9
20°	677.2	681.8	684.8	696.9	696.9
22.5°	662.1	668.2	672.7	683.3	687.8
25°	644.0	651.5	659.1	672.7	672.7
27.5°	625.8	634.9	644.0	657.6	659.1
30°	604.7	615.2	627.3	640.9	644.0
32.5°	583.5	597.1	609.2	625.8	630.4
35°	560.8	574.4	591.1	607.7	612.2
37.5°	535.1	551.8	572.9	591.1	595.6
40°	512.5	530.6	551.8	572.9	577.5
42.5°	486.8	506.4	532.1	551.8	559.3
45°	461.1	482.2	509.4	532.1	538.2
47.5°	433.8	458.0	488.3	509.4	517.0
50°	406.6	432.3	464.1	488.3	494.3
52.5°	379.4	406.6	439.9	464.1	471.6
55°	350.7	379.4	414.2	439.9	449.0
57.5°	323.5	352.2	388.5	415.7	424.8
60°	293.3	326.5	362.8	390.0	400.6
62.5°	267.6	297.8	337.1	364.3	373.4
65°	237.3	269.1	309.9	338.6	347.7
67.5°	208.6	241.9	282.7	312.9	322.0
70°	179.9	213.1	257.0	285.7	296.3
72.5°	151.2	185.9	228.3	260.0	270.6
75°	124.0	157.2	202.6	234.3	244.9
77.5°	95.2	131.5	176.9	208.6	220.7
80°	69.5	107.3	152.7	184.4	196.5
82.5°	46.9	84.7	130.0	161.7	173.8
85°	27.2	65.0	110.4	140.6	151.2
87.5°	13.6	49.9	92.2	122.4	133.0
90°	0.0	36.3	77.1	105.8	116.4
92.5°	0.0	34.8	75.6	102.8	113.4
95°	0.0	34.8	74.1	101.3	111.9
97.5°	0.0	33.3	72.6	101.3	110.4
100°	0.0	31.7	72.6	99.8	108.8
102.5°	0.0	30.2	71.0	98.3	107.3
105°	0.0	28.7	69.5	95.2	104.3
107.5°	1.5	28.7	66.5	93.7	102.8
110°	1.5	27.2	63.5	92.2	101.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	25.7	60.5	89.2	98.3
115°	1.5	25.7	59.0	84.7	95.2
117.5°	1.5	24.2	55.9	81.6	92.2
120°	1.5	24.2	54.4	78.6	87.7
122.5°	1.5	22.7	51.4	75.6	84.7
125°	1.5	21.2	49.9	72.6	81.6
127.5°	1.5	19.7	48.4	69.5	78.6
130°	1.5	18.1	45.3	66.5	74.1
132.5°	1.5	18.1	43.8	62.0	71.0
135°	1.5	16.6	40.8	59.0	66.5
137.5°	1.5	15.1	37.8	55.9	63.5
140°	1.5	13.6	34.8	52.9	59.0
142.5°	1.5	13.6	31.7	48.4	54.4
145°	1.5	12.1	28.7	45.3	49.9
147.5°	1.5	10.6	25.7	40.8	45.3
150°	1.5	10.6	22.7	36.3	40.8
152.5°	1.5	9.1	19.7	33.3	37.8
155°	1.5	7.6	18.1	28.7	33.3
157.5°	1.5	7.6	15.1	24.2	28.7
160°	1.5	6.0	13.6	19.7	24.2
162.5°	1.5	6.0	12.1	16.6	21.2
165°	1.5	4.5	9.1	13.6	16.6
167.5°	1.5	4.5	7.6	10.6	13.6
170°	1.5	3.0	6.0	7.6	10.6
172.5°	1.5	3.0	4.5	4.5	4.5
175°	1.5	1.5	3.0	3.0	1.5
177.5°	1.5	1.5	1.5	1.5	1.5
180°	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)