

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: P566185

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-26SL-FDL-UNV-L850-CD
Description: 4FT 2600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

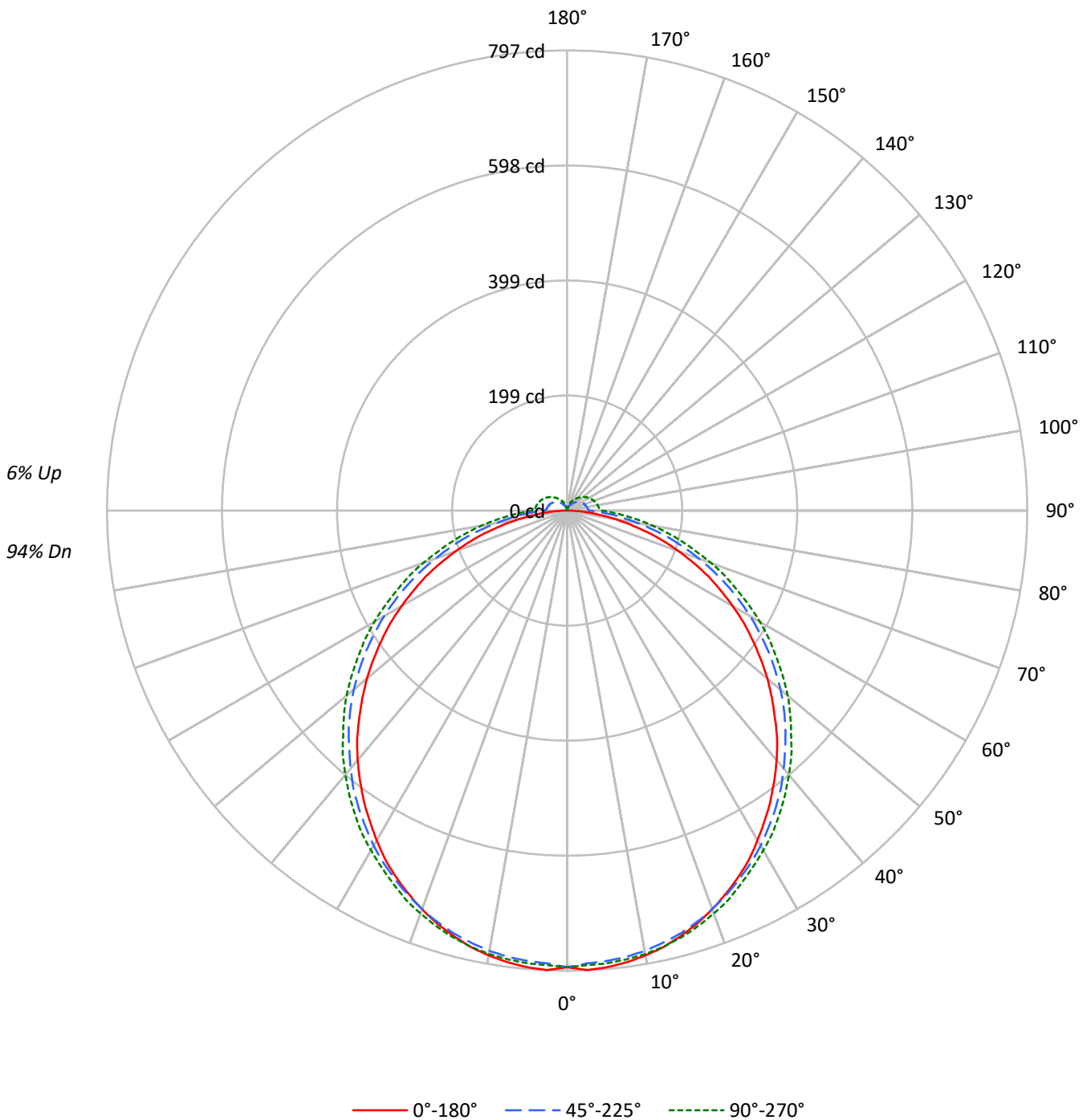
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2513.0 lumens
Efficiency: N/A
Efficacy: 153.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8512	8512	8512
5°	8570	8371	8383
10°	8535	8280	8279
15°	8471	8176	8160
20°	8384	8049	8021
25°	8284	7910	7856
30°	8148	7768	7704
35°	8011	7603	7546
40°	7860	7418	7368
45°	7670	7236	7159
50°	7486	7029	6970
55°	7258	6772	6704
60°	7002	6478	6445
65°	6729	6130	6087
70°	6263	5690	5716
75°	5701	5173	5272
80°	4870	4484	4780
85°	3830	3886	4200



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	3.0
10°-20°	215.2	8.6
20°-30°	326.1	13.0
30°-40°	393.7	15.7
40°-50°	411.1	16.4
50°-60°	377.7	15.0
60°-70°	298.7	11.9
70°-80°	189.0	7.5
80°-90°	81.2	3.2
90°-100°	35.8	1.4
100°-110°	32.0	1.3
110°-120°	27.0	1.1
120°-130°	21.1	0.8
130°-140°	14.6	0.6
140°-150°	8.8	0.3
150°-160°	4.3	0.2
160°-170°	1.5	0.1
170°-180°	0.2	0.0
0°-30°	616.3	24.5
0°-40°	1010.0	40.2
0°-60°	1798.8	71.6
0°-90°	2367.8	94.2
90°-120°	94.8	3.8
90°-150°	139.2	5.5
90°-180°	145.0	5.8
0°-180°	2513.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	791	791	791	791	791	
5°	794	792	783	790	787	75
15°	762	762	758	766	765	215
25°	701	704	705	714	713	323
35°	614	621	629	639	641	384
45°	509	522	535	545	549	393
55°	392	408	425	439	442	351
65°	270	285	305	320	324	266
75°	142	159	182	198	206	151
85°	35	53	76	93	99	38
90°	2	19	39	55	60	3
95°	0	16	36	50	55	0
105°	0	15	33	47	52	0
115°	0	13	30	42	47	0
125°	1	12	25	36	40	1
135°	1	9	20	29	32	1
145°	1	7	14	22	24	1
155°	1	4	9	14	16	0
165°	1	3	5	7	9	0
175°	1	2	2	2	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	790.8	790.8	790.8	790.8	790.8
2.5°	796.6	793.9	785.0	791.2	788.1
5°	793.9	791.7	783.2	789.9	787.2
7.5°	789.0	787.2	779.7	786.8	784.1
10°	782.3	781.0	774.3	781.4	779.7
12.5°	773.9	773.4	766.8	774.8	773.4
15°	762.3	762.3	758.3	766.3	765.0
17.5°	749.9	750.3	747.2	755.6	754.7
20°	734.7	736.9	734.7	743.6	742.7
22.5°	718.3	721.4	720.5	729.4	729.8
25°	700.9	704.0	704.9	714.3	712.9
27.5°	681.8	686.7	688.4	696.9	696.5
30°	659.5	666.2	670.2	677.3	679.5
32.5°	636.8	644.8	649.7	659.5	662.2
35°	614.1	621.2	629.3	639.0	641.3
37.5°	589.2	597.2	607.9	617.2	619.9
40°	564.3	573.2	583.4	593.7	597.7
42.5°	538.5	547.8	558.9	571.0	575.0
45°	509.1	521.6	534.9	545.1	548.7
47.5°	481.1	494.9	509.1	520.2	524.2
50°	452.6	467.3	482.4	492.6	498.9
52.5°	422.8	438.8	453.9	466.8	470.8
55°	392.5	408.5	425.4	439.2	442.3
57.5°	363.1	378.7	395.6	408.5	414.8
60°	331.1	348.0	366.2	379.2	385.8
62.5°	299.9	316.4	336.0	349.8	355.1
65°	270.1	285.3	305.3	319.5	324.4
67.5°	237.2	254.5	273.7	290.2	296.4
70°	204.7	221.2	243.0	258.6	264.8
72.5°	174.4	190.5	212.3	227.8	233.6
75°	142.4	159.3	182.5	198.0	205.6
77.5°	111.7	130.4	152.6	169.6	178.0
80°	83.2	99.7	123.7	142.4	150.0
82.5°	56.5	74.3	99.2	116.6	125.0
85°	34.7	53.4	76.5	93.0	98.8
87.5°	16.5	34.3	55.6	71.6	78.8
90°	2.2	19.1	39.2	54.7	60.5
92.5°	0.4	16.5	36.0	50.7	56.1
95°	0.4	16.5	35.6	49.8	55.2
97.5°	0.4	16.0	35.2	49.4	54.3
100°	0.4	15.6	34.7	48.5	53.8
102.5°	0.4	15.6	33.8	47.6	52.5
105°	0.4	15.1	33.4	46.7	51.6
107.5°	0.4	14.7	32.5	45.8	50.7
110°	0.4	13.8	32.0	44.5	49.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	13.4	31.2	43.6	48.1
115°	0.4	12.9	30.3	42.3	46.7
117.5°	0.4	12.5	28.9	40.9	45.4
120°	0.9	12.5	28.0	39.6	43.6
122.5°	0.9	12.0	26.7	37.8	41.8
125°	0.9	11.6	25.4	36.5	40.5
127.5°	0.9	11.1	24.0	34.7	38.3
130°	0.9	10.2	23.1	32.9	36.5
132.5°	0.9	9.8	21.8	30.7	34.3
135°	0.9	8.9	20.5	28.9	32.5
137.5°	0.9	8.5	19.1	27.1	30.3
140°	0.9	8.0	17.4	25.4	28.5
142.5°	0.9	7.1	16.0	23.6	26.3
145°	0.9	6.7	14.2	21.8	24.0
147.5°	0.9	5.8	12.9	20.0	22.3
150°	0.9	5.3	11.6	18.2	20.5
152.5°	0.9	4.9	10.2	16.0	18.2
155°	0.9	4.5	9.3	13.8	16.5
157.5°	0.9	4.0	8.0	12.0	14.7
160°	1.3	3.6	7.1	10.2	12.5
162.5°	1.3	3.1	5.8	8.5	11.1
165°	1.3	3.1	4.9	6.7	9.3
167.5°	1.3	2.7	4.0	5.3	7.6
170°	1.3	2.2	3.6	4.0	5.8
172.5°	1.3	1.8	2.7	2.7	3.1
175°	1.3	1.8	2.2	2.2	1.3
177.5°	1.3	1.3	1.3	1.3	0.9
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)