

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: P566182

Luminaire Tested: **4SNX-26SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566182
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-L830-CD
Description: 4FT 2600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

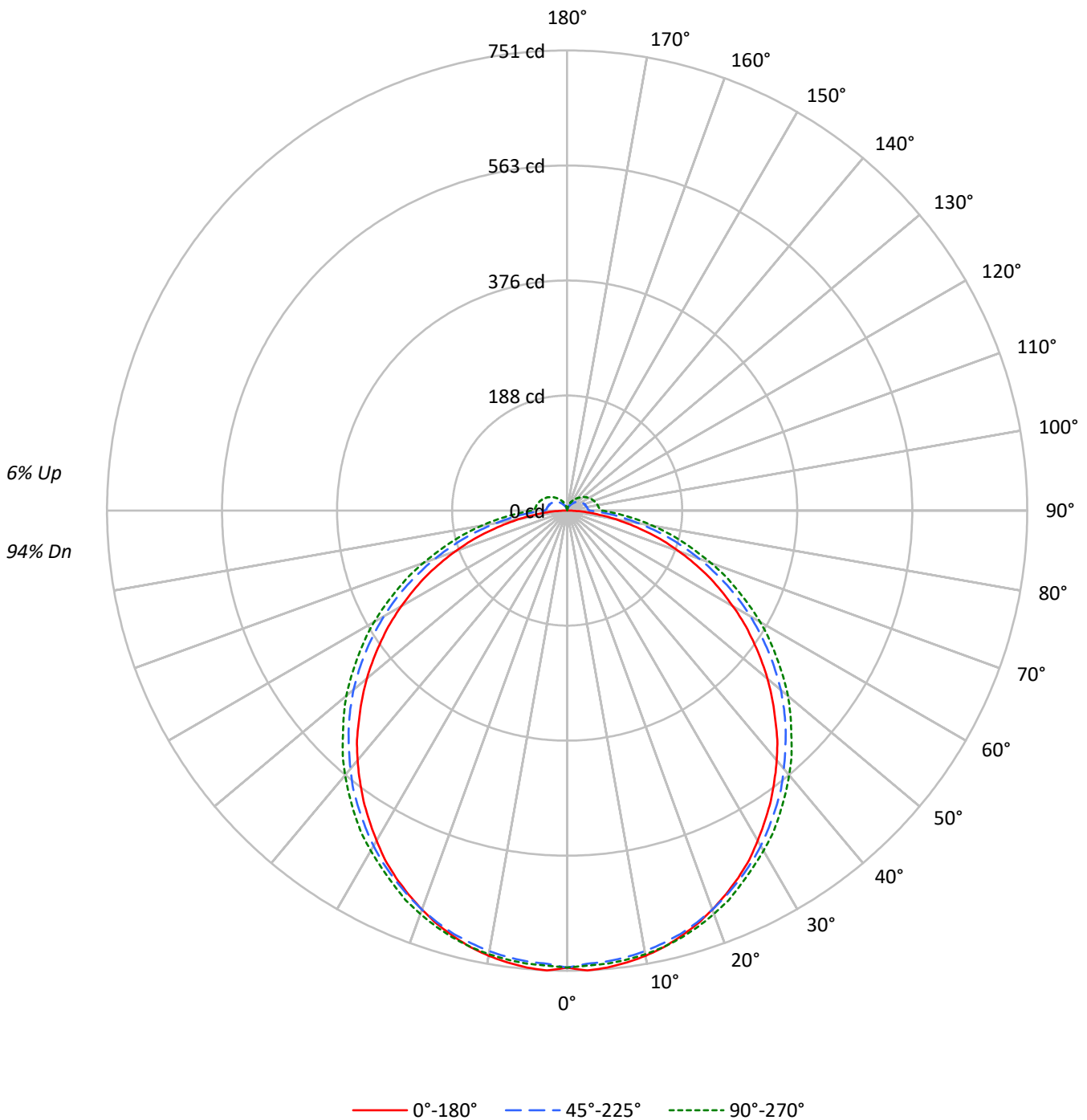
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2370.0 lumens
Efficiency: N/A
Efficacy: 144.5 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°	8028	8028	8028
5°	8082	7895	7906
10°	8049	7810	7807
15°	7989	7711	7696
20°	7907	7591	7565
25°	7813	7460	7409
30°	7685	7327	7267
35°	7556	7169	7117
40°	7413	6996	6948
45°	7233	6825	6752
50°	7059	6628	6573
55°	6845	6387	6324
60°	6604	6110	6079
65°	6348	5780	5742
70°	5908	5367	5390
75°	5376	4878	4972
80°	4595	4230	4506
85°	3609	3668	3962



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	3.0
10°-20°	203.0	8.6
20°-30°	307.6	13.0
30°-40°	371.3	15.7
40°-50°	387.7	16.4
50°-60°	356.2	15.0
60°-70°	281.7	11.9
70°-80°	178.3	7.5
80°-90°	76.6	3.2
90°-100°	33.7	1.4
100°-110°	30.2	1.3
110°-120°	25.5	1.1
120°-130°	19.9	0.8
130°-140°	13.8	0.6
140°-150°	8.3	0.3
150°-160°	4.0	0.2
160°-170°	1.4	0.1
170°-180°	0.2	0.0
0°-30°	581.3	24.5
0°-40°	952.6	40.2
0°-60°	1696.5	71.6
0°-90°	2233.1	94.2
90°-120°	89.4	3.8
90°-150°	131.3	5.5
90°-180°	137.0	5.8
0°-180°	2370.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	746	746	746	746	746	
5°	749	747	739	745	742	71
15°	719	719	715	723	722	203
25°	661	664	665	674	672	304
35°	579	586	593	603	605	362
45°	480	492	504	514	518	371
55°	370	385	401	414	417	331
65°	255	269	288	301	306	251
75°	134	150	172	187	194	142
85°	33	50	72	88	93	36
90°	2	18	37	52	57	3
95°	0	16	34	47	52	0
105°	0	14	32	44	49	0
115°	0	12	28	40	44	0
125°	1	11	24	34	38	1
135°	1	8	19	27	31	1
145°	1	6	13	21	23	1
155°	1	4	9	13	16	0
165°	1	3	5	6	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°	745.8	745.8	745.8	745.8	745.8
2.5°	751.3	748.7	740.3	746.2	743.3
5°	748.7	746.6	738.7	745.0	742.4
7.5°	744.1	742.4	735.3	742.0	739.5
10°	737.8	736.6	730.3	737.0	735.3
12.5°	729.8	729.4	723.1	730.7	729.4
15°	718.9	718.9	715.2	722.7	721.5
17.5°	707.2	707.6	704.7	712.6	711.8
20°	692.9	695.0	692.9	701.3	700.5
22.5°	677.4	680.3	679.5	687.9	688.3
25°	661.0	664.0	664.8	673.6	672.3
27.5°	643.0	647.6	649.3	657.2	656.8
30°	622.0	628.3	632.1	638.8	640.9
32.5°	600.6	608.1	612.8	622.0	624.5
35°	579.2	585.9	593.4	602.7	604.8
37.5°	555.7	563.2	573.3	582.1	584.6
40°	532.2	540.6	550.2	559.9	563.6
42.5°	507.8	516.6	527.1	538.5	542.2
45°	480.1	491.9	504.5	514.1	517.5
47.5°	453.7	466.7	480.1	490.6	494.4
50°	426.8	440.7	454.9	464.6	470.5
52.5°	398.7	413.8	428.1	440.3	444.0
55°	370.2	385.3	401.2	414.2	417.2
57.5°	342.5	357.2	373.1	385.3	391.2
60°	312.3	328.2	345.4	357.6	363.9
62.5°	282.9	298.4	316.9	329.9	334.9
65°	254.8	269.0	287.9	301.3	306.0
67.5°	223.7	240.1	258.1	273.6	279.5
70°	193.1	208.6	229.2	243.8	249.7
72.5°	164.5	179.6	200.2	214.9	220.3
75°	134.3	150.3	172.1	186.8	193.9
77.5°	105.3	123.0	144.0	159.9	167.9
80°	78.5	94.0	116.7	134.3	141.4
82.5°	53.3	70.1	93.6	110.0	117.9
85°	32.7	50.4	72.2	87.7	93.2
87.5°	15.5	32.3	52.5	67.6	74.3
90°	2.1	18.0	36.9	51.6	57.1
92.5°	0.4	15.5	34.0	47.8	52.9
95°	0.4	15.5	33.6	47.0	52.0
97.5°	0.4	15.1	33.2	46.6	51.2
100°	0.4	14.7	32.7	45.7	50.8
102.5°	0.4	14.7	31.9	44.9	49.5
105°	0.4	14.3	31.5	44.1	48.7
107.5°	0.4	13.8	30.6	43.2	47.8
110°	0.4	13.0	30.2	42.0	46.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	12.6	29.4	41.1	45.3
115°	0.4	12.2	28.5	39.9	44.1
117.5°	0.4	11.8	27.3	38.6	42.8
120°	0.8	11.8	26.4	37.4	41.1
122.5°	0.8	11.3	25.2	35.7	39.5
125°	0.8	10.9	23.9	34.4	38.2
127.5°	0.8	10.5	22.7	32.7	36.1
130°	0.8	9.7	21.8	31.1	34.4
132.5°	0.8	9.2	20.6	29.0	32.3
135°	0.8	8.4	19.3	27.3	30.6
137.5°	0.8	8.0	18.0	25.6	28.5
140°	0.8	7.6	16.4	23.9	26.9
142.5°	0.8	6.7	15.1	22.2	24.8
145°	0.8	6.3	13.4	20.6	22.7
147.5°	0.8	5.5	12.2	18.9	21.0
150°	0.8	5.0	10.9	17.2	19.3
152.5°	0.8	4.6	9.7	15.1	17.2
155°	0.8	4.2	8.8	13.0	15.5
157.5°	0.8	3.8	7.6	11.3	13.8
160°	1.3	3.4	6.7	9.7	11.8
162.5°	1.3	2.9	5.5	8.0	10.5
165°	1.3	2.9	4.6	6.3	8.8
167.5°	1.3	2.5	3.8	5.0	7.1
170°	1.3	2.1	3.4	3.8	5.5
172.5°	1.3	1.7	2.5	2.5	2.9
175°	1.3	1.7	2.1	2.1	1.3
177.5°	1.3	1.3	1.3	1.3	0.8
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)