

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: P566622

Luminaire Tested: **4SNX-60SL-LC-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-60SL-LC-UNV-L830-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

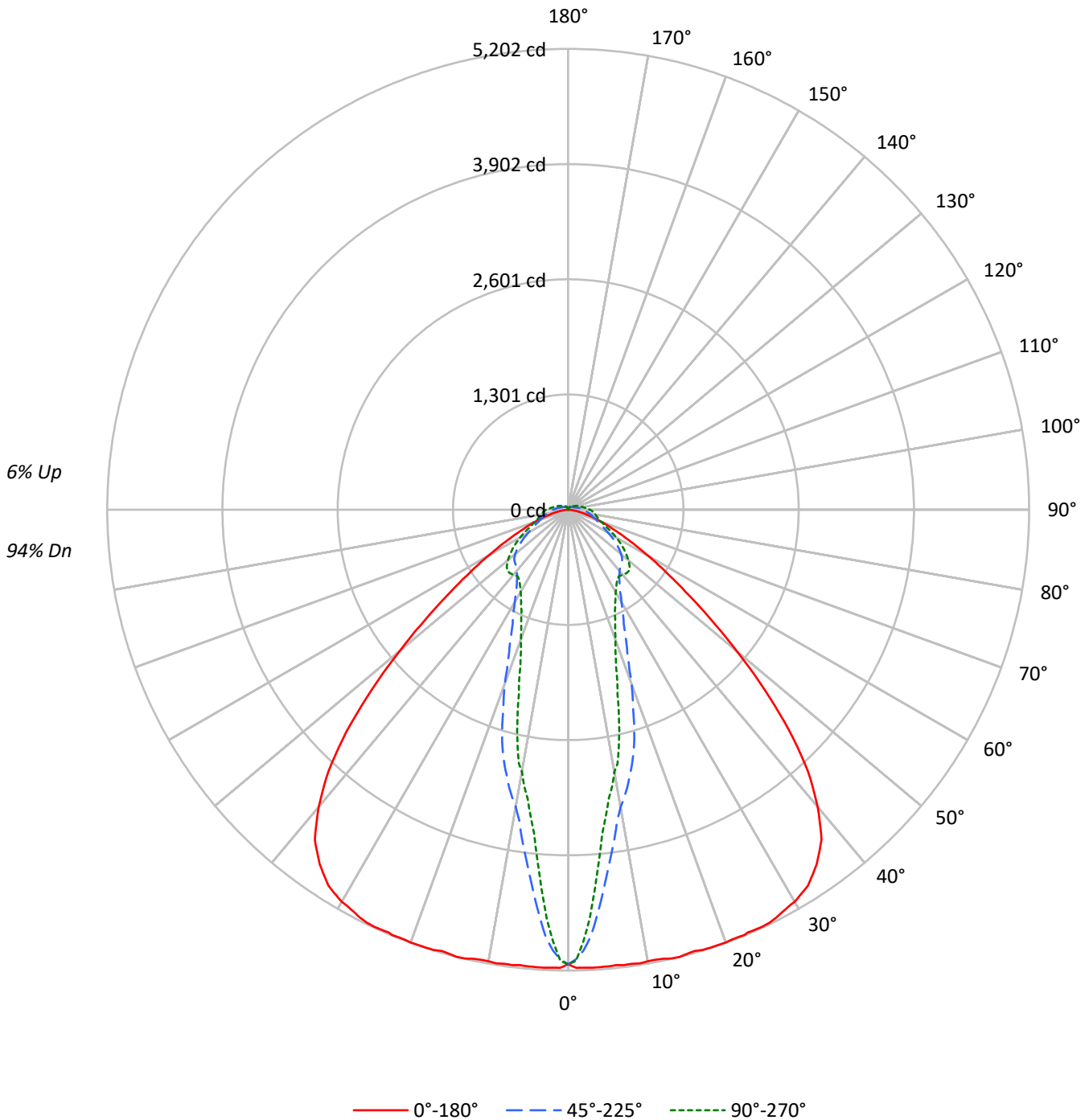
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6324.0 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 42
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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	55222	55222	55222
5°	55720	45357	40599
10°	56158	34241	29383
15°	57182	27989	20346
20°	58657	20253	14370
25°	60487	14509	11304
30°	62032	11592	9627
35°	62400	9805	8622
40°	59489	8914	8644
45°	51624	8612	8880
50°	39604	8191	8286
55°	28701	7163	7353
60°	20824	5977	6217
65°	15155	5054	5096
70°	11166	4465	4395
75°	7933	4134	4096
80°	5199	3870	4034
85°	2443	3689	4040



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.5	6.4
10°-20°	876.1	13.9
20°-30°	1002.9	15.9
30°-40°	1004.7	15.9
40°-50°	951.0	15.0
50°-60°	729.4	11.5
60°-70°	470.1	7.4
70°-80°	299.8	4.7
80°-90°	199.1	3.1
90°-100°	133.8	2.1
100°-110°	88.2	1.4
110°-120°	61.3	1.0
120°-130°	42.8	0.7
130°-140°	29.7	0.5
140°-150°	18.2	0.3
150°-160°	9.2	0.1
160°-170°	3.6	0.1
170°-180°	0.7	0.0
0°-30°	2282.5	36.1
0°-40°	3287.1	52.0
0°-60°	4967.5	78.6
0°-90°	5936.5	93.9
90°-120°	283.3	4.5
90°-150°	374.0	5.9
90°-180°	387.0	6.1
0°-180°	6324.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5130	5130	5130	5130	5130	
5°	5176	4890	4382	4087	3977	494
15°	5189	3737	2849	2340	2152	1472
25°	5192	2645	1507	1309	1248	2393
35°	4887	1471	1008	976	962	3032
45°	3533	930	849	940	972	2686
55°	1620	664	655	736	765	1490
65°	648	418	412	470	486	667
75°	220	227	285	327	344	242
85°	29	104	201	262	282	40
90°	0	71	168	233	243	1
95°	0	52	139	191	201	0
105°	0	39	91	130	139	2
115°	3	32	68	94	100	3
125°	3	29	58	68	71	3
135°	3	23	45	55	58	2
145°	3	16	32	42	45	2
155°	3	10	19	29	32	2
165°	6	6	13	16	19	2
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5130.3	5130.3	5130.3	5130.3	5130.3
1°	5172.5	5143.3	5075.2	5094.7	5091.4
2°	5172.5	5110.9	4978.0	4939.1	4880.8
3°	5175.7	5055.8	4828.9	4702.5	4621.5
4°	5175.7	4974.8	4608.6	4397.9	4294.2
5°	5175.7	4890.5	4381.7	4086.8	3976.6
6°	5169.2	4790.0	4151.6	3840.5	3675.2
7°	5178.9	4679.9	3944.2	3610.4	3480.7
8°	5175.7	4550.2	3753.0	3435.3	3292.7
9°	5185.4	4423.8	3545.5	3270.1	3163.1
10°	5175.7	4307.1	3409.4	3114.5	3004.3
11°	5175.7	4193.7	3312.2	3014.0	2920.0
12°	5182.2	4064.1	3205.2	2871.4	2741.8
13°	5198.4	3931.2	3082.1	2715.9	2563.5
14°	5201.6	3830.7	2968.7	2518.2	2359.4
15°	5188.7	3736.8	2848.7	2339.9	2152.0
16°	5182.2	3639.5	2706.1	2171.4	2002.9
17°	5195.2	3526.1	2544.1	1999.6	1844.1
18°	5198.4	3422.4	2372.3	1870.0	1733.9
19°	5198.4	3341.4	2233.0	1750.1	1633.4
20°	5198.4	3263.6	2090.4	1659.3	1558.9
21°	5191.9	3166.4	1928.3	1565.4	1481.1
22.5°	5195.2	2984.9	1743.6	1455.2	1387.1
23°	5185.4	2939.5	1698.2	1426.0	1354.7
24°	5188.7	2809.9	1601.0	1367.7	1299.6
25°	5191.9	2644.6	1507.0	1309.3	1247.7
26°	5185.4	2511.7	1429.2	1254.2	1212.1
27°	5169.2	2404.7	1374.1	1208.9	1170.0
28°	5146.5	2262.1	1315.8	1170.0	1134.3
29°	5123.9	2100.1	1257.5	1127.8	1101.9
30°	5110.9	1970.5	1202.4	1095.4	1072.7
32.5°	5033.1	1714.4	1088.9	1030.6	1011.2
35°	4887.3	1471.4	1007.9	975.5	962.5
37.5°	4696.1	1283.4	946.3	939.9	943.1
40°	4381.7	1134.3	901.0	930.1	959.3
42.5°	4005.7	1017.6	868.6	939.9	972.3
45°	3532.6	930.1	849.1	939.9	972.3
47.5°	3007.5	858.8	826.4	907.5	939.9
50°	2482.5	794.0	781.1	858.8	888.0
52.5°	2019.1	732.4	722.7	797.3	826.4
55°	1620.4	664.4	654.7	735.7	764.9
57.5°	1299.6	599.6	589.8	664.4	693.6
60°	1037.1	534.7	518.5	593.1	622.3
62.5°	826.4	473.2	463.4	528.3	554.2
65°	648.2	418.1	411.6	469.9	486.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	512.1	366.2	369.5	418.1	437.5
70°	395.4	317.6	337.1	382.4	395.4
72.5°	298.2	269.0	311.1	350.0	366.2
75°	220.4	226.9	285.2	327.3	343.5
77.5°	152.3	188.0	262.5	307.9	324.1
80°	103.7	152.3	239.8	291.7	311.1
82.5°	61.6	126.4	220.4	275.5	298.2
85°	29.2	103.7	200.9	262.5	282.0
87.5°	9.7	84.3	181.5	249.5	265.8
90°	0.0	71.3	168.5	233.3	243.1
92.5°	0.0	61.6	152.3	213.9	220.4
95°	0.0	51.9	139.4	191.2	200.9
97.5°	0.0	48.6	129.6	171.8	184.7
100°	0.0	45.4	116.7	155.6	168.5
102.5°	0.0	38.9	103.7	139.4	152.3
105°	0.0	38.9	90.7	129.6	139.4
107.5°	3.2	35.6	84.3	116.7	129.6
110°	3.2	35.6	74.5	110.2	119.9
112.5°	3.2	35.6	71.3	100.5	113.4
115°	3.2	32.4	68.1	94.0	100.5
117.5°	3.2	32.4	64.8	84.3	90.7
120°	3.2	29.2	61.6	77.8	81.0
122.5°	3.2	29.2	58.3	71.3	74.5
125°	3.2	29.2	58.3	68.1	71.3
127.5°	3.2	25.9	55.1	64.8	64.8
130°	3.2	25.9	51.9	61.6	61.6
132.5°	3.2	22.7	48.6	58.3	61.6
135°	3.2	22.7	45.4	55.1	58.3
137.5°	3.2	19.4	42.1	51.9	55.1
140°	3.2	19.4	38.9	48.6	51.9
142.5°	3.2	16.2	35.6	45.4	48.6
145°	3.2	16.2	32.4	42.1	45.4
147.5°	3.2	16.2	29.2	38.9	42.1
150°	3.2	13.0	25.9	35.6	38.9
152.5°	3.2	13.0	22.7	32.4	35.6
155°	3.2	9.7	19.4	29.2	32.4
157.5°	3.2	9.7	19.4	25.9	29.2
160°	6.5	9.7	16.2	22.7	25.9
162.5°	3.2	6.5	16.2	19.4	22.7
165°	6.5	6.5	13.0	16.2	19.4
167.5°	6.5	6.5	9.7	13.0	16.2
170°	6.5	6.5	9.7	9.7	13.0
172.5°	6.5	6.5	6.5	9.7	6.5
175°	6.5	6.5	6.5	6.5	3.2
177.5°	6.5	6.5	6.5	6.5	3.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.5	6.5	6.5	6.5	6.5

(END OF REPORT)