

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: P567792

Luminaire Tested: **8SNX-44SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567792
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: 8SNX-44SL-LC-UNV-L940-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

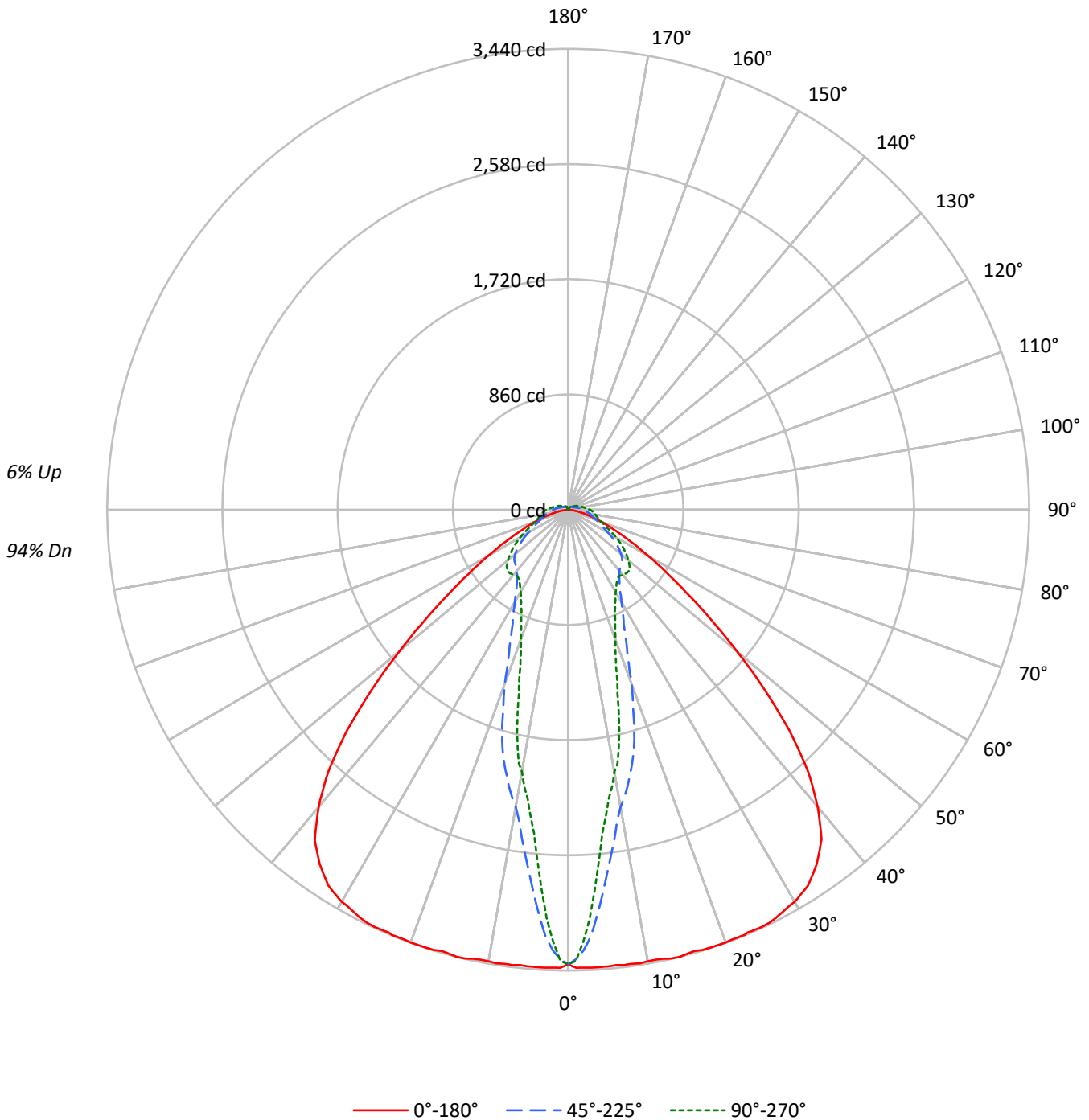
Lumens per Lamp: N/A
Luminaire Lumens: 4182.0 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 27.6
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°	18259	18259	18259
5°	18457	15016	13424
10°	18636	11349	9715
15°	19012	9286	6727
20°	19540	6727	4751
25°	20193	4824	3738
30°	20754	3858	3183
35°	20929	3267	2851
40°	20008	2973	2858
45°	17418	2876	2936
50°	13413	2738	2740
55°	9764	2397	2431
60°	7125	2004	2056
65°	5225	1697	1685
70°	3892	1502	1453
75°	2811	1394	1354
80°	1901	1308	1333
85°	963	1252	1336



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.8	6.4
10°-20°	579.4	13.9
20°-30°	663.2	15.9
30°-40°	664.4	15.9
40°-50°	628.9	15.0
50°-60°	482.3	11.5
60°-70°	310.9	7.4
70°-80°	198.3	4.7
80°-90°	131.6	3.1
90°-100°	88.5	2.1
100°-110°	58.3	1.4
110°-120°	40.6	1.0
120°-130°	28.3	0.7
130°-140°	19.6	0.5
140°-150°	12.0	0.3
150°-160°	6.1	0.1
160°-170°	2.3	0.1
170°-180°	0.5	0.0
0°-30°	1509.4	36.1
0°-40°	2173.7	52.0
0°-60°	3285.0	78.6
0°-90°	3925.8	93.9
90°-120°	187.4	4.5
90°-150°	247.3	5.9
90°-180°	256.0	6.1
0°-180°	4182.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3393	3393	3393	3393	3393	
5°	3423	3234	2898	2702	2630	327
15°	3431	2471	1884	1547	1423	973
25°	3433	1749	997	866	825	1583
35°	3232	973	666	645	636	2005
45°	2336	615	562	622	643	1776
55°	1072	439	433	486	506	985
65°	429	276	272	311	322	441
75°	146	150	189	216	227	160
85°	19	69	133	174	186	26
90°	0	47	111	154	161	1
95°	0	34	92	126	133	0
105°	0	26	60	86	92	1
115°	2	21	45	62	66	2
125°	2	19	39	45	47	2
135°	2	15	30	36	39	2
145°	2	11	21	28	30	1
155°	2	6	13	19	21	1
165°	4	4	9	11	13	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3392.6	3392.6	3392.6	3392.6	3392.6
1°	3420.5	3401.2	3356.2	3369.1	3366.9
2°	3420.5	3379.8	3291.9	3266.2	3227.6
3°	3422.6	3343.3	3193.3	3109.7	3056.2
4°	3422.6	3289.8	3047.6	2908.3	2839.7
5°	3422.6	3234.0	2897.6	2702.5	2629.7
6°	3418.4	3167.6	2745.4	2539.7	2430.4
7°	3424.8	3094.7	2608.2	2387.5	2301.8
8°	3422.6	3009.0	2481.8	2271.8	2177.5
9°	3429.1	2925.4	2344.6	2162.5	2091.7
10°	3422.6	2848.3	2254.6	2059.6	1986.7
11°	3422.6	2773.3	2190.3	1993.1	1931.0
12°	3426.9	2687.5	2119.6	1898.9	1813.1
13°	3437.6	2599.7	2038.2	1796.0	1695.2
14°	3439.8	2533.2	1963.1	1665.2	1560.2
15°	3431.2	2471.1	1883.8	1547.4	1423.1
16°	3426.9	2406.8	1789.5	1435.9	1324.5
17°	3435.5	2331.8	1682.4	1322.3	1219.5
18°	3437.6	2263.2	1568.8	1236.6	1146.6
19°	3437.6	2209.6	1476.6	1157.3	1080.2
20°	3437.6	2158.2	1382.3	1097.3	1030.9
21°	3433.4	2093.9	1275.2	1035.2	979.4
22.5°	3435.5	1973.9	1153.0	962.3	917.3
23°	3429.1	1943.9	1123.0	943.0	895.8
24°	3431.2	1858.1	1058.7	904.4	859.4
25°	3433.4	1748.8	996.6	865.8	825.1
26°	3429.1	1661.0	945.1	829.4	801.5
27°	3418.4	1590.2	908.7	799.4	773.7
28°	3403.4	1495.9	870.1	773.7	750.1
29°	3388.4	1388.8	831.6	745.8	728.7
30°	3379.8	1303.0	795.1	724.4	709.4
32.5°	3328.3	1133.7	720.1	681.5	668.7
35°	3231.9	973.0	666.5	645.1	636.5
37.5°	3105.5	848.7	625.8	621.5	623.7
40°	2897.6	750.1	595.8	615.1	634.4
42.5°	2649.0	673.0	574.4	621.5	643.0
45°	2336.1	615.1	561.5	621.5	643.0
47.5°	1988.9	567.9	546.5	600.1	621.5
50°	1641.7	525.1	516.5	567.9	587.2
52.5°	1335.2	484.4	477.9	527.2	546.5
55°	1071.6	439.4	432.9	486.5	505.8
57.5°	859.4	396.5	390.1	439.4	458.6
60°	685.8	353.6	342.9	392.2	411.5
62.5°	546.5	312.9	306.5	349.3	366.5
65°	428.6	276.5	272.2	310.8	321.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	338.6	242.2	244.3	276.5	289.3
70°	261.5	210.0	222.9	252.9	261.5
72.5°	197.2	177.9	205.7	231.5	242.2
75°	145.7	150.0	188.6	216.5	227.2
77.5°	100.7	124.3	173.6	203.6	214.3
80°	68.6	100.7	158.6	192.9	205.7
82.5°	40.7	83.6	145.7	182.2	197.2
85°	19.3	68.6	132.9	173.6	186.5
87.5°	6.4	55.7	120.0	165.0	175.7
90°	0.0	47.1	111.4	154.3	160.7
92.5°	0.0	40.7	100.7	141.4	145.7
95°	0.0	34.3	92.2	126.4	132.9
97.5°	0.0	32.1	85.7	113.6	122.2
100°	0.0	30.0	77.2	102.9	111.4
102.5°	0.0	25.7	68.6	92.2	100.7
105°	0.0	25.7	60.0	85.7	92.2
107.5°	2.1	23.6	55.7	77.2	85.7
110°	2.1	23.6	49.3	72.9	79.3
112.5°	2.1	23.6	47.1	66.4	75.0
115°	2.1	21.4	45.0	62.2	66.4
117.5°	2.1	21.4	42.9	55.7	60.0
120°	2.1	19.3	40.7	51.4	53.6
122.5°	2.1	19.3	38.6	47.1	49.3
125°	2.1	19.3	38.6	45.0	47.1
127.5°	2.1	17.1	36.4	42.9	42.9
130°	2.1	17.1	34.3	40.7	40.7
132.5°	2.1	15.0	32.1	38.6	40.7
135°	2.1	15.0	30.0	36.4	38.6
137.5°	2.1	12.9	27.9	34.3	36.4
140°	2.1	12.9	25.7	32.1	34.3
142.5°	2.1	10.7	23.6	30.0	32.1
145°	2.1	10.7	21.4	27.9	30.0
147.5°	2.1	10.7	19.3	25.7	27.9
150°	2.1	8.6	17.1	23.6	25.7
152.5°	2.1	8.6	15.0	21.4	23.6
155°	2.1	6.4	12.9	19.3	21.4
157.5°	2.1	6.4	12.9	17.1	19.3
160°	4.3	6.4	10.7	15.0	17.1
162.5°	2.1	4.3	10.7	12.9	15.0
165°	4.3	4.3	8.6	10.7	12.9
167.5°	4.3	4.3	6.4	8.6	10.7
170°	4.3	4.3	6.4	6.4	8.6
172.5°	4.3	4.3	4.3	6.4	4.3
175°	4.3	4.3	4.3	4.3	2.1
177.5°	4.3	4.3	4.3	4.3	2.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.3	4.3	4.3	4.3	4.3

(END OF REPORT)