

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: P567794

Luminaire Tested: **8SNX-44SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-44SL-LN-UNV-L830-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

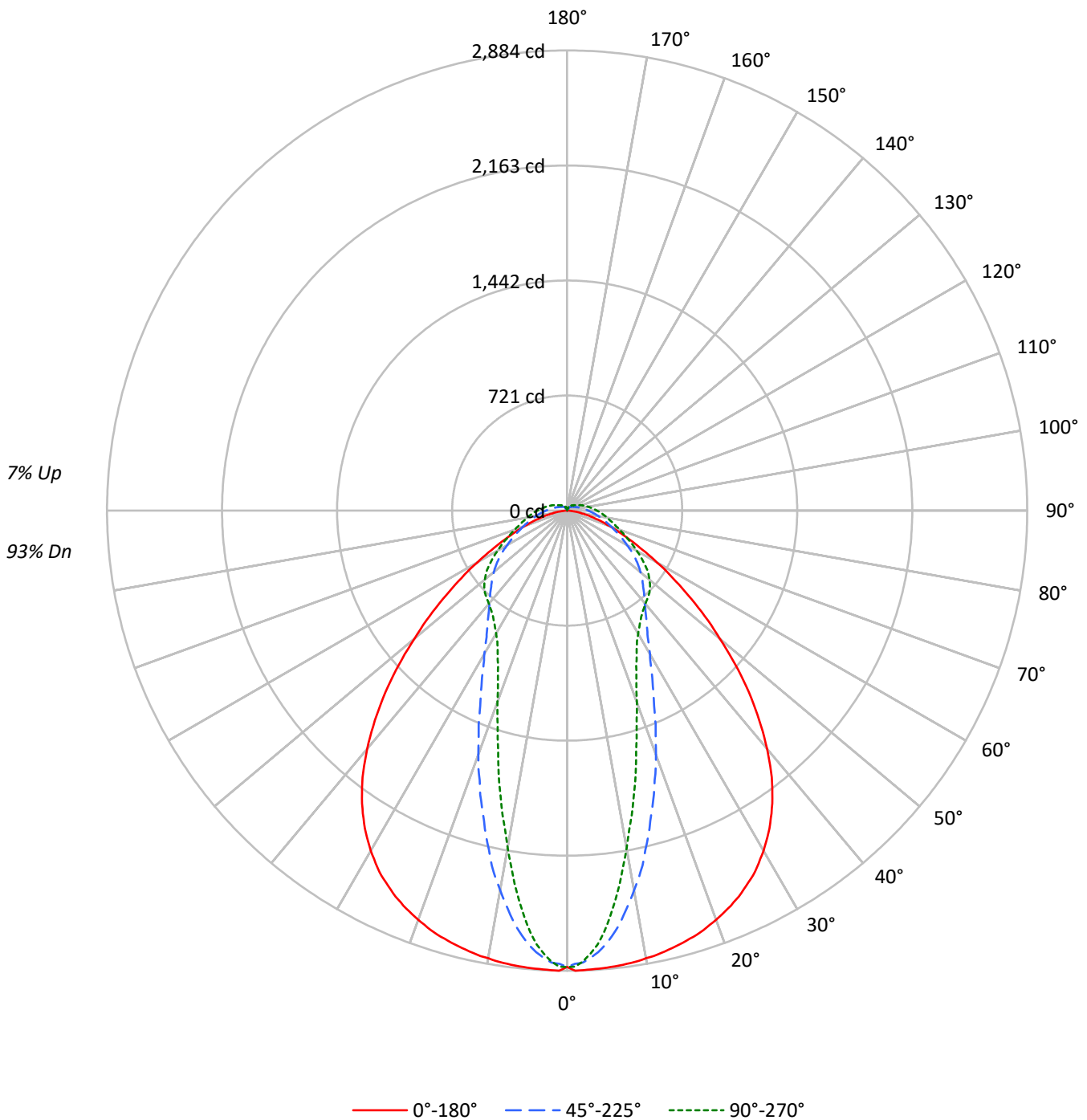
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4560.0 lumens
Efficiency: N/A
Efficacy: 165.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
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 (Ain): 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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15396	15396	15396
5°	15504	14168	13541
10°	15511	12161	10506
15°	15533	9931	7874
20°	15513	7920	5893
25°	15405	6212	4677
30°	15115	5033	3989
35°	14517	4264	3629
40°	13465	3769	3435
45°	12009	3451	3329
50°	10212	3180	3144
55°	8428	2885	2872
60°	6778	2541	2519
65°	5302	2235	2192
70°	4162	1980	1939
75°	3274	1784	1766
80°	2384	1637	1642
85°	1431	1530	1575



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.3	5.6
10°-20°	593.8	13.0
20°-30°	704.8	15.5
30°-40°	709.2	15.6
40°-50°	659.2	14.5
50°-60°	542.8	11.9
60°-70°	382.5	8.4
70°-80°	249.9	5.5
80°-90°	159.5	3.5
90°-100°	104.6	2.3
100°-110°	71.0	1.6
110°-120°	48.7	1.1
120°-130°	33.7	0.7
130°-140°	22.7	0.5
140°-150°	14.0	0.3
150°-160°	7.2	0.2
160°-170°	2.6	0.1
170°-180°	0.5	0.0
0°-30°	1552.0	34.0
0°-40°	2261.1	49.6
0°-60°	3463.1	75.9
0°-90°	4255.0	93.3
90°-120°	224.4	4.9
90°-150°	294.7	6.5
90°-180°	305.0	6.7
0°-180°	4560.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2861	2861	2861	2861	2861	
5°	2875	2837	2734	2681	2653	274
15°	2803	2504	2015	1761	1666	792
25°	2619	1936	1283	1078	1032	1205
35°	2242	1310	870	815	810	1394
45°	1611	863	674	710	729	1237
55°	925	566	521	578	598	835
65°	435	342	358	404	418	441
75°	170	177	241	284	296	183
85°	29	81	162	210	220	36
90°	0	55	131	179	186	2
95°	0	41	110	151	158	0
105°	0	29	74	105	115	0
115°	2	24	53	76	81	2
125°	2	19	43	55	60	2
135°	2	17	34	43	45	2
145°	2	12	24	34	36	2
155°	2	10	17	24	26	1
165°	2	5	10	12	14	1
175°	5	5	5	5	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 8SNX-44SL-LN-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2860.6	2860.6	2860.6	2860.6	2860.6
1°	2884.5	2872.6	2841.5	2863.0	2858.2
2°	2882.1	2870.2	2834.3	2843.9	2827.2
3°	2879.7	2863.0	2808.0	2805.7	2781.8
4°	2877.4	2851.1	2774.6	2745.9	2726.8
5°	2875.0	2836.7	2734.0	2681.4	2652.7
6°	2872.6	2820.0	2681.4	2602.5	2561.9
7°	2867.8	2793.7	2626.4	2518.9	2466.3
8°	2863.0	2769.8	2557.1	2428.1	2363.5
9°	2858.2	2738.7	2487.8	2330.1	2253.6
10°	2848.7	2707.7	2416.1	2229.7	2148.5
11°	2843.9	2671.8	2346.8	2134.1	2038.5
12°	2834.3	2633.6	2272.7	2033.7	1950.1
13°	2824.8	2593.0	2181.9	1947.7	1847.3
14°	2815.2	2549.9	2103.0	1852.1	1758.9
15°	2803.3	2504.5	2014.6	1761.3	1665.7
16°	2791.3	2452.0	1935.8	1668.1	1567.7
17°	2779.4	2401.8	1861.7	1582.1	1491.3
18°	2765.0	2351.6	1775.6	1498.4	1410.0
19°	2745.9	2294.2	1706.3	1421.9	1340.7
20°	2729.2	2241.7	1627.5	1350.3	1278.6
21°	2710.1	2177.1	1548.6	1283.3	1211.6
22.5°	2681.4	2086.3	1448.2	1199.7	1132.8
23°	2667.0	2060.0	1407.6	1168.6	1111.3
24°	2647.9	1990.7	1340.7	1120.8	1063.5
25°	2619.3	1935.8	1283.3	1077.8	1032.4
26°	2593.0	1868.8	1226.0	1039.6	994.2
27°	2566.7	1804.3	1175.8	998.9	960.7
28°	2533.2	1737.4	1120.8	965.5	932.0
29°	2497.4	1675.3	1075.4	936.8	910.5
30°	2461.5	1606.0	1037.2	910.5	889.0
32.5°	2361.2	1453.0	939.2	860.3	846.0
35°	2241.7	1309.6	869.9	814.9	810.2
37.5°	2107.8	1178.2	807.8	779.1	783.9
40°	1950.1	1058.7	755.2	752.8	762.4
42.5°	1782.8	955.9	714.6	731.3	745.6
45°	1610.7	862.7	673.9	709.8	728.9
47.5°	1431.5	781.5	638.1	683.5	705.0
50°	1249.9	702.6	599.8	652.4	673.9
52.5°	1087.4	633.3	561.6	616.6	640.5
55°	924.9	566.4	521.0	578.3	597.5
57.5°	783.9	504.3	478.0	535.3	549.7
60°	652.4	444.5	434.9	487.5	504.3
62.5°	532.9	391.9	394.3	444.5	461.2
65°	434.9	341.7	358.5	403.9	418.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	353.7	293.9	322.6	370.4	382.4
70°	279.6	250.9	293.9	337.0	348.9
72.5°	222.3	212.7	265.3	310.7	320.2
75°	169.7	176.8	241.4	284.4	296.3
77.5°	121.9	148.2	217.5	262.9	272.4
80°	86.0	121.9	198.4	243.8	253.3
82.5°	55.0	100.4	179.2	227.0	236.6
85°	28.7	81.3	162.5	210.3	219.9
87.5°	11.9	66.9	145.8	193.6	203.1
90°	0.0	55.0	131.4	179.2	186.4
92.5°	0.0	47.8	119.5	164.9	172.1
95°	0.0	40.6	109.9	150.6	157.7
97.5°	0.0	38.2	98.0	138.6	145.8
100°	0.0	33.5	88.4	126.7	136.2
102.5°	0.0	31.1	81.3	114.7	124.3
105°	0.0	28.7	74.1	105.2	114.7
107.5°	0.0	26.3	69.3	98.0	105.2
110°	0.0	26.3	62.1	90.8	98.0
112.5°	2.4	23.9	57.4	81.3	88.4
115°	2.4	23.9	52.6	76.5	81.3
117.5°	2.4	23.9	50.2	69.3	74.1
120°	2.4	21.5	47.8	64.5	69.3
122.5°	2.4	21.5	45.4	59.7	62.1
125°	2.4	19.1	43.0	55.0	59.7
127.5°	2.4	19.1	40.6	52.6	55.0
130°	2.4	19.1	38.2	47.8	52.6
132.5°	2.4	16.7	35.8	45.4	47.8
135°	2.4	16.7	33.5	43.0	45.4
137.5°	2.4	14.3	31.1	40.6	43.0
140°	2.4	14.3	28.7	38.2	40.6
142.5°	2.4	11.9	26.3	35.8	38.2
145°	2.4	11.9	23.9	33.5	35.8
147.5°	2.4	11.9	21.5	31.1	33.5
150°	2.4	9.6	19.1	28.7	31.1
152.5°	2.4	9.6	16.7	26.3	28.7
155°	2.4	9.6	16.7	23.9	26.3
157.5°	2.4	7.2	14.3	19.1	23.9
160°	2.4	7.2	11.9	16.7	21.5
162.5°	2.4	7.2	11.9	14.3	16.7
165°	2.4	4.8	9.6	11.9	14.3
167.5°	2.4	4.8	7.2	9.6	11.9
170°	2.4	4.8	7.2	7.2	9.6
172.5°	2.4	4.8	4.8	4.8	4.8
175°	4.8	4.8	4.8	4.8	2.4
177.5°	4.8	4.8	4.8	2.4	2.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)