

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: P567178

Luminaire Tested: **8SNX-102SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-102SL-LW-UNV-L830-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

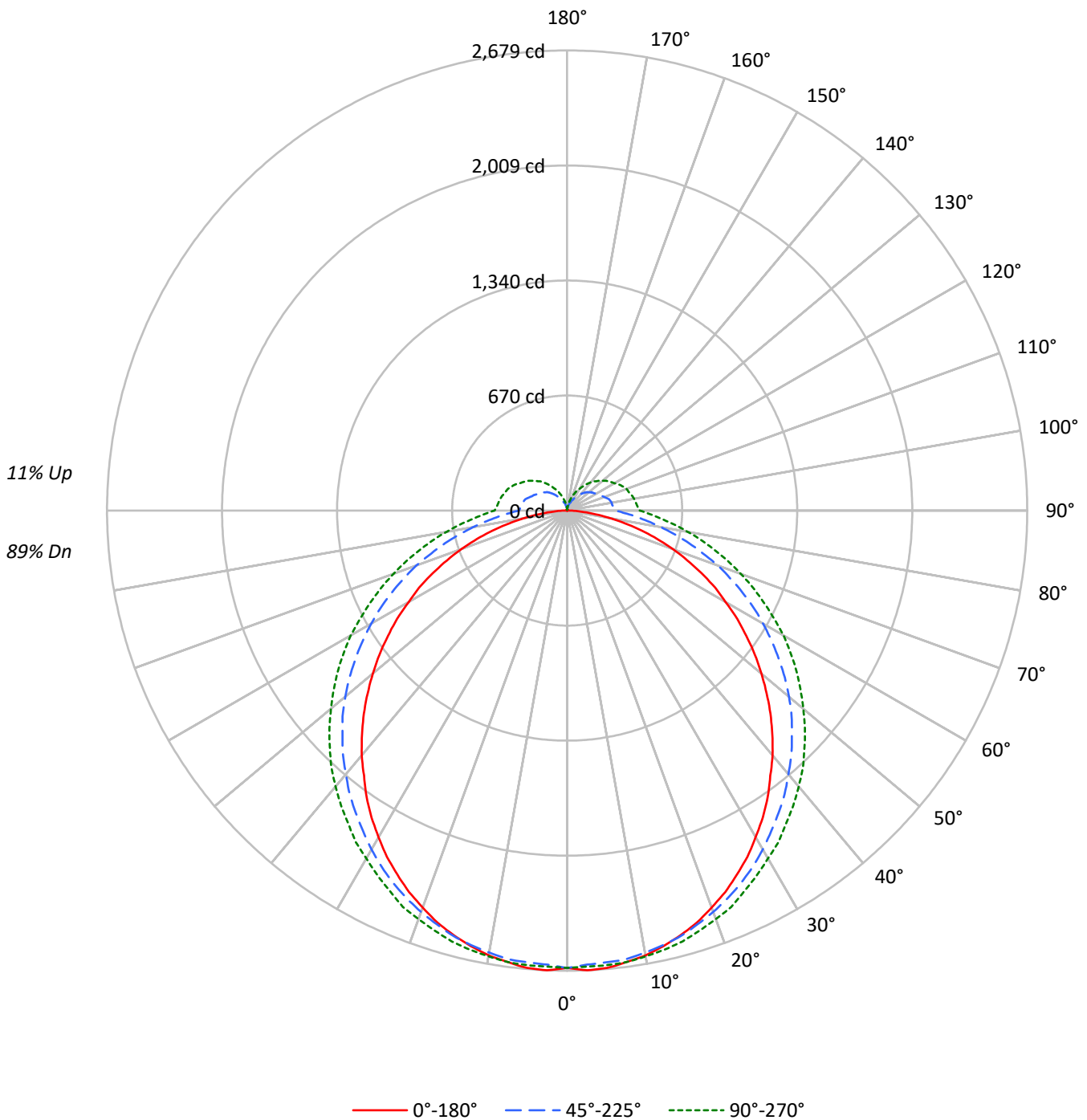
Lumens per Lamp: N/A
Luminaire Lumens: 9478.0 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 70
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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14329	14329	14329
5°	14417	13683	13563
10°	14318	13153	12885
15°	14174	12638	12275
20°	13979	12101	11663
25°	13753	11586	11066
30°	13484	11055	10494
35°	13188	10521	9958
40°	12849	9999	9448
45°	12483	9475	8925
50°	12065	8934	8376
55°	11605	8330	7837
60°	11064	7699	7267
65°	10505	7016	6618
70°	9722	6287	5979
75°	8684	5435	5302
80°	6999	4573	4626
85°	4928	3774	3932



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.9	2.7
10°-20°	726.9	7.7
20°-30°	1105.2	11.7
30°-40°	1341.6	14.2
40°-50°	1417.7	15.0
50°-60°	1326.6	14.0
60°-70°	1088.5	11.5
70°-80°	748.7	7.9
80°-90°	410.0	4.3
90°-100°	264.0	2.8
100°-110°	236.9	2.5
110°-120°	196.1	2.1
120°-130°	151.0	1.6
130°-140°	106.1	1.1
140°-150°	63.9	0.7
150°-160°	30.6	0.3
160°-170°	10.1	0.1
170°-180°	1.2	0.0
0°-30°	2084.9	22.0
0°-40°	3426.6	36.2
0°-60°	6170.9	65.1
0°-90°	8418.1	88.8
90°-120°	697.0	7.4
90°-150°	1018.1	10.7
90°-180°	1060.0	11.2
0°-180°	9478.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2662	2662	2662	2662	2662	
5°	2673	2668	2640	2662	2657	254
15°	2558	2569	2564	2596	2596	721
25°	2338	2366	2393	2443	2443	1078
35°	2037	2086	2146	2207	2223	1272
45°	1674	1751	1850	1932	1954	1290
55°	1274	1378	1504	1597	1630	1140
65°	862	977	1125	1230	1263	853
75°	450	571	736	851	889	474
85°	99	236	401	510	549	114
90°	0	132	280	384	423	7
95°	0	126	269	368	406	0
105°	0	104	252	346	379	4
115°	6	93	214	307	346	5
125°	6	77	181	264	296	5
135°	6	60	148	214	242	4
145°	6	44	104	165	181	3
155°	6	27	66	104	121	3
165°	6	16	33	49	60	2
175°	6	6	11	11	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2662.4	2662.4	2662.4	2662.4	2662.4
2.5°	2678.9	2673.4	2645.9	2667.9	2656.9
5°	2673.4	2667.9	2640.4	2662.4	2656.9
7.5°	2651.4	2651.4	2634.9	2656.9	2651.4
10°	2629.5	2629.5	2613.0	2640.4	2634.9
12.5°	2596.5	2602.0	2591.0	2624.0	2618.5
15°	2558.1	2569.1	2563.6	2596.5	2596.5
17.5°	2514.2	2525.2	2525.2	2563.6	2563.6
20°	2459.3	2475.8	2486.7	2530.6	2530.6
22.5°	2404.4	2426.3	2442.8	2481.2	2497.7
25°	2338.5	2366.0	2393.4	2442.8	2442.8
27.5°	2272.6	2305.6	2338.5	2387.9	2393.4
30°	2195.8	2234.2	2278.1	2327.5	2338.5
32.5°	2118.9	2168.3	2212.3	2272.6	2289.1
35°	2036.6	2086.0	2146.4	2206.8	2223.2
37.5°	1943.3	2003.7	2080.5	2146.4	2162.9
40°	1860.9	1926.8	2003.7	2080.5	2097.0
42.5°	1767.6	1839.0	1932.3	2003.7	2031.1
45°	1674.3	1751.1	1850.0	1932.3	1954.3
47.5°	1575.5	1663.3	1773.1	1850.0	1877.4
50°	1476.7	1570.0	1685.3	1773.1	1795.1
52.5°	1377.9	1476.7	1597.4	1685.3	1712.7
55°	1273.6	1377.9	1504.1	1597.4	1630.4
57.5°	1174.7	1279.0	1410.8	1509.6	1542.5
60°	1065.0	1185.7	1317.5	1416.3	1454.7
62.5°	971.6	1081.4	1224.2	1323.0	1355.9
65°	861.8	977.1	1125.3	1229.6	1262.6
67.5°	757.5	878.3	1026.5	1136.3	1169.3
70°	653.2	774.0	933.2	1037.5	1075.9
72.5°	548.9	675.2	828.9	944.2	982.6
75°	450.1	570.9	735.6	850.9	889.3
77.5°	345.8	477.6	642.3	757.5	801.5
80°	252.5	389.8	554.4	669.7	713.6
82.5°	170.2	307.4	472.1	587.4	631.3
85°	98.8	236.0	400.7	510.5	548.9
87.5°	49.4	181.2	334.9	444.6	483.1
90°	0.0	131.7	280.0	384.3	422.7
92.5°	0.0	126.3	274.5	373.3	411.7
95°	0.0	126.3	269.0	367.8	406.2
97.5°	0.0	120.8	263.5	367.8	400.7
100°	0.0	115.3	263.5	362.3	395.2
102.5°	0.0	109.8	258.0	356.8	389.8
105°	0.0	104.3	252.5	345.8	378.8
107.5°	5.5	104.3	241.5	340.3	373.3
110°	5.5	98.8	230.6	334.9	367.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.5	93.3	219.6	323.9	356.8
115°	5.5	93.3	214.1	307.4	345.8
117.5°	5.5	87.8	203.1	296.4	334.9
120°	5.5	87.8	197.6	285.5	318.4
122.5°	5.5	82.3	186.6	274.5	307.4
125°	5.5	76.9	181.2	263.5	296.4
127.5°	5.5	71.4	175.7	252.5	285.5
130°	5.5	65.9	164.7	241.5	269.0
132.5°	5.5	65.9	159.2	225.1	258.0
135°	5.5	60.4	148.2	214.1	241.5
137.5°	5.5	54.9	137.2	203.1	230.6
140°	5.5	49.4	126.3	192.1	214.1
142.5°	5.5	49.4	115.3	175.7	197.6
145°	5.5	43.9	104.3	164.7	181.2
147.5°	5.5	38.4	93.3	148.2	164.7
150°	5.5	38.4	82.3	131.7	148.2
152.5°	5.5	32.9	71.4	120.8	137.2
155°	5.5	27.4	65.9	104.3	120.8
157.5°	5.5	27.4	54.9	87.8	104.3
160°	5.5	22.0	49.4	71.4	87.8
162.5°	5.5	22.0	43.9	60.4	76.9
165°	5.5	16.5	32.9	49.4	60.4
167.5°	5.5	16.5	27.4	38.4	49.4
170°	5.5	11.0	22.0	27.4	38.4
172.5°	5.5	11.0	16.5	16.5	16.5
175°	5.5	5.5	11.0	11.0	5.5
177.5°	5.5	5.5	5.5	5.5	5.5
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)