

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: P567162

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567162
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-102SL-LC-UNV-L830-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

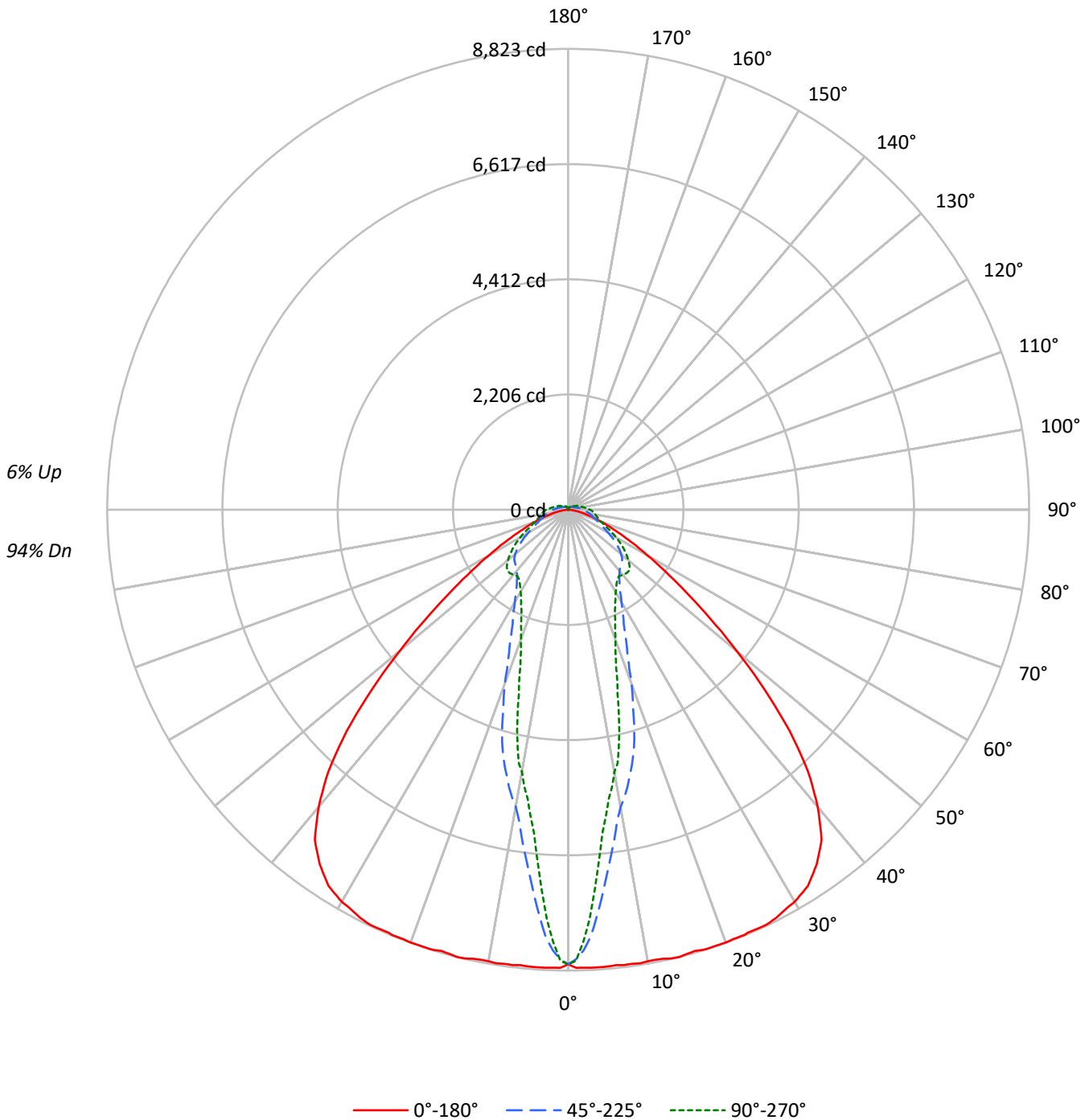
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10727.1 lumens
Efficiency: N/A
Efficacy: 153.2 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): 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

TEST NUMBER: P567162
CATALOG NUMBER: 8SNX-102SL-LC-UNV-L830-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567162

CATALOG NUMBER: 8SNX-102SL-LC-UNV-L830-CD

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°	46835	46835	46835
5°	47343	38516	34433
10°	47803	29110	24920
15°	48766	23821	17256
20°	50122	17255	12187
25°	51794	12375	9588
30°	53235	9897	8165
35°	53683	8380	7313
40°	51320	7626	7331
45°	44677	7376	7531
50°	34403	7024	7028
55°	25046	6150	6236
60°	18275	5140	5273
65°	13403	4353	4322
70°	9983	3852	3727
75°	7212	3575	3474
80°	4876	3356	3421
85°	2469	3210	3426



TEST NUMBER: P567162

CATALOG NUMBER: 8SNX-102SL-LC-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	684.4	6.4
10°-20°	1486.1	13.9
20°-30°	1701.1	15.9
30°-40°	1704.1	15.9
40°-50°	1613.2	15.0
50°-60°	1237.2	11.5
60°-70°	797.5	7.4
70°-80°	508.5	4.7
80°-90°	337.7	3.1
90°-100°	227.0	2.1
100°-110°	149.6	1.4
110°-120°	104.0	1.0
120°-130°	72.6	0.7
130°-140°	50.4	0.5
140°-150°	30.9	0.3
150°-160°	15.7	0.1
160°-170°	6.0	0.1
170°-180°	1.2	0.0
0°-30°	3871.6	36.1
0°-40°	5575.7	52.0
0°-60°	8426.1	78.5
0°-90°	10069.8	93.9
90°-120°	480.6	4.5
90°-150°	634.5	5.9
90°-180°	657.0	6.1
0°-180°	10727.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8702	8702	8702	8702	8702	
5°	8779	8296	7432	6932	6745	838
15°	8801	6338	4832	3969	3650	2496
25°	8807	4486	2556	2221	2116	4060
35°	8290	2496	1710	1655	1633	5143
45°	5992	1578	1440	1594	1649	4556
55°	2749	1127	1110	1248	1297	2528
65°	1100	709	698	797	825	1131
75°	374	385	484	555	583	411
85°	50	176	341	445	478	68
90°	0	121	286	396	412	2
95°	0	88	236	324	341	0
105°	0	66	154	220	236	4
115°	6	55	115	159	170	5
125°	6	50	99	115	121	5
135°	6	38	77	94	99	4
145°	6	28	55	72	77	3
155°	6	16	33	50	55	3
165°	11	11	22	28	33	3
175°	11	11	11	11	6	1
180°	11	11	11	11	11	



TEST NUMBER: P567162

CATALOG NUMBER: 8SNX-102SL-LC-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8702.3	8702.3	8702.3	8702.3	8702.3
1°	8773.7	8724.3	8608.8	8641.8	8636.3
2°	8773.7	8669.3	8443.9	8377.9	8279.0
3°	8779.2	8575.8	8191.0	7976.6	7839.2
4°	8779.2	8438.4	7817.2	7459.9	7284.0
5°	8779.2	8295.5	7432.4	6932.1	6745.2
6°	8768.2	8125.0	7042.1	6514.3	6234.0
7°	8784.7	7938.1	6690.2	6124.0	5904.1
8°	8779.2	7718.2	6365.9	5827.2	5585.3
9°	8795.7	7503.8	6014.1	5546.8	5365.4
10°	8779.2	7305.9	5783.2	5282.9	5096.0
11°	8779.2	7113.5	5618.3	5112.5	4953.1
12°	8790.2	6893.6	5436.9	4870.6	4650.7
13°	8817.7	6668.3	5228.0	4606.8	4348.4
14°	8823.2	6497.8	5035.5	4271.4	4002.1
15°	8801.2	6338.4	4832.1	3969.1	3650.2
16°	8790.2	6173.5	4590.3	3683.2	3397.3
17°	8812.2	5981.1	4315.4	3391.8	3128.0
18°	8817.7	5805.2	4024.0	3172.0	2941.1
19°	8817.7	5667.7	3787.7	2968.6	2770.7
20°	8817.7	5535.8	3545.8	2814.6	2644.2
21°	8806.7	5370.9	3270.9	2655.2	2512.3
22.5°	8812.2	5063.0	2957.6	2468.3	2352.9
23°	8795.7	4986.1	2880.6	2418.8	2297.9
24°	8801.2	4766.2	2715.7	2319.9	2204.4
25°	8806.7	4485.8	2556.3	2220.9	2116.5
26°	8795.7	4260.4	2424.3	2127.5	2056.0
27°	8768.2	4079.0	2330.9	2050.5	1984.5
28°	8729.7	3837.1	2231.9	1984.5	1924.1
29°	8691.3	3562.3	2133.0	1913.1	1869.1
30°	8669.3	3342.4	2039.5	1858.1	1819.6
32.5°	8537.3	2908.1	1847.1	1748.1	1715.2
35°	8290.0	2495.8	1709.7	1654.7	1632.7
37.5°	7965.6	2176.9	1605.2	1594.2	1599.7
40°	7432.4	1924.1	1528.3	1577.7	1627.2
42.5°	6794.7	1726.2	1473.3	1594.2	1649.2
45°	5992.1	1577.7	1440.3	1594.2	1649.2
47.5°	5101.5	1456.8	1401.8	1539.3	1594.2
50°	4210.9	1346.8	1324.9	1456.8	1506.3
52.5°	3424.8	1242.4	1225.9	1352.3	1401.8
55°	2748.7	1127.0	1110.5	1247.9	1297.4
57.5°	2204.4	1017.0	1000.5	1127.0	1176.4
60°	1759.1	907.1	879.6	1006.0	1055.5
62.5°	1401.8	802.6	786.1	896.1	940.0
65°	1099.5	709.2	698.2	797.1	824.6



TEST NUMBER: P567162

CATALOG NUMBER: 8SNX-102SL-LC-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	868.6	621.2	626.7	709.2	742.1
70°	670.7	538.7	571.7	648.7	670.7
72.5°	505.8	456.3	527.7	593.7	621.2
75°	373.8	384.8	483.8	555.2	582.7
77.5°	258.4	318.8	445.3	522.2	549.7
80°	175.9	258.4	406.8	494.8	527.7
82.5°	104.4	214.4	373.8	467.3	505.8
85°	49.5	175.9	340.8	445.3	478.3
87.5°	16.5	142.9	307.9	423.3	450.8
90°	0.0	120.9	285.9	395.8	412.3
92.5°	0.0	104.4	258.4	362.8	373.8
95°	0.0	88.0	236.4	324.3	340.8
97.5°	0.0	82.5	219.9	291.4	313.3
100°	0.0	77.0	197.9	263.9	285.9
102.5°	0.0	66.0	175.9	236.4	258.4
105°	0.0	66.0	153.9	219.9	236.4
107.5°	5.5	60.5	142.9	197.9	219.9
110°	5.5	60.5	126.4	186.9	203.4
112.5°	5.5	60.5	120.9	170.4	192.4
115°	5.5	55.0	115.4	159.4	170.4
117.5°	5.5	55.0	109.9	142.9	153.9
120°	5.5	49.5	104.4	131.9	137.4
122.5°	5.5	49.5	99.0	120.9	126.4
125°	5.5	49.5	99.0	115.4	120.9
127.5°	5.5	44.0	93.5	109.9	109.9
130°	5.5	44.0	88.0	104.4	104.4
132.5°	5.5	38.5	82.5	99.0	104.4
135°	5.5	38.5	77.0	93.5	99.0
137.5°	5.5	33.0	71.5	88.0	93.5
140°	5.5	33.0	66.0	82.5	88.0
142.5°	5.5	27.5	60.5	77.0	82.5
145°	5.5	27.5	55.0	71.5	77.0
147.5°	5.5	27.5	49.5	66.0	71.5
150°	5.5	22.0	44.0	60.5	66.0
152.5°	5.5	22.0	38.5	55.0	60.5
155°	5.5	16.5	33.0	49.5	55.0
157.5°	5.5	16.5	33.0	44.0	49.5
160°	11.0	16.5	27.5	38.5	44.0
162.5°	5.5	11.0	27.5	33.0	38.5
165°	11.0	11.0	22.0	27.5	33.0
167.5°	11.0	11.0	16.5	22.0	27.5
170°	11.0	11.0	16.5	16.5	22.0
172.5°	11.0	11.0	11.0	16.5	11.0
175°	11.0	11.0	11.0	11.0	5.5
177.5°	11.0	11.0	11.0	11.0	5.5



TEST NUMBER: P567162

CATALOG NUMBER: 8SNX-102SL-LC-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	11.0	11.0	11.0	11.0	11.0

(END OF REPORT)