

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: P567186

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567186
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-SLW-UNV-L830-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

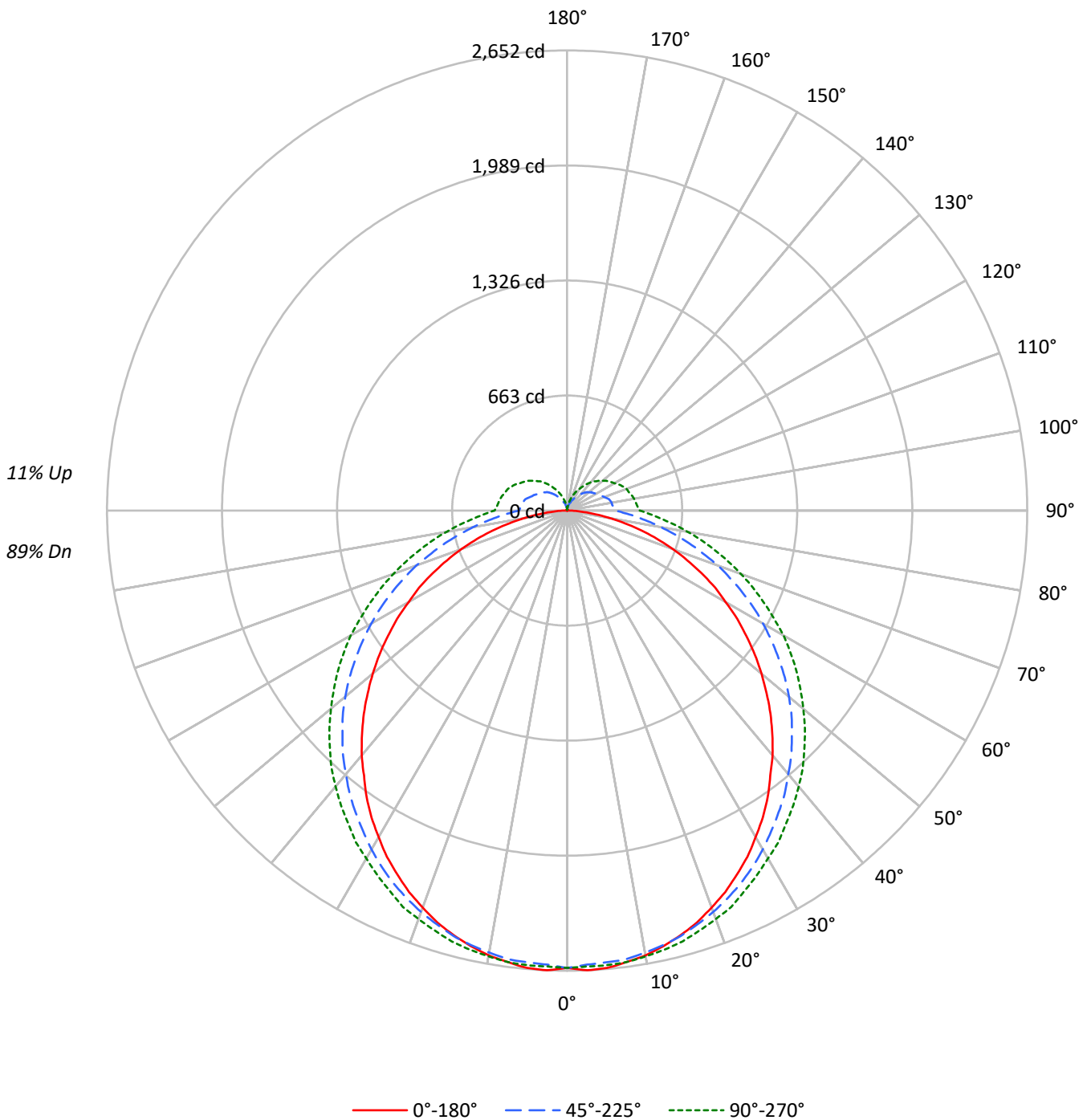
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9382.0 lumens
Efficiency: N/A
Efficacy: 134.0 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: 0.08')
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	77	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°	14184	14184	14184
5°	14284	13828	13808
10°	14198	13556	13466
15°	14070	13278	13151
20°	13890	12956	12800
25°	13680	12642	12434
30°	13427	12296	12072
35°	13150	11936	11732
40°	12830	11582	11406
45°	12485	11221	11054
50°	12089	10840	10660
55°	11657	10381	10273
60°	11147	9890	9841
65°	10628	9337	9297
70°	9893	8730	8764
75°	8921	7954	8175
80°	7318	7168	7594
85°	5399	6503	6998



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.3	2.7
10°-20°	719.5	7.7
20°-30°	1094.0	11.7
30°-40°	1328.0	14.2
40°-50°	1403.3	15.0
50°-60°	1313.2	14.0
60°-70°	1077.5	11.5
70°-80°	741.1	7.9
80°-90°	405.8	4.3
90°-100°	261.3	2.8
100°-110°	234.5	2.5
110°-120°	194.1	2.1
120°-130°	149.5	1.6
130°-140°	105.0	1.1
140°-150°	63.3	0.7
150°-160°	30.3	0.3
160°-170°	9.9	0.1
170°-180°	1.2	0.0
0°-30°	2063.8	22.0
0°-40°	3391.9	36.2
0°-60°	6108.4	65.1
0°-90°	8332.8	88.8
90°-120°	690.0	7.4
90°-150°	1007.7	10.7
90°-180°	1049.0	11.2
0°-180°	9382.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2635	2635	2635	2635	2635	
5°	2646	2641	2614	2635	2630	251
15°	2532	2543	2538	2570	2570	714
25°	2315	2342	2369	2418	2418	1067
35°	2016	2065	2125	2184	2201	1259
45°	1657	1733	1831	1913	1934	1277
55°	1261	1364	1489	1581	1614	1128
65°	853	967	1114	1217	1250	845
75°	446	565	728	842	880	469
85°	98	234	397	505	543	113
90°	0	130	277	380	418	7
95°	0	125	266	364	402	0
105°	0	103	250	342	375	4
115°	5	92	212	304	342	5
125°	5	76	179	261	293	5
135°	5	60	147	212	239	4
145°	5	44	103	163	179	3
155°	5	27	65	103	120	2
165°	5	16	33	49	60	2
175°	5	5	11	11	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2635.4	2635.4	2635.4	2635.4	2635.4
2.5°	2651.7	2646.3	2619.1	2640.9	2630.0
5°	2646.3	2640.9	2613.7	2635.4	2630.0
7.5°	2624.6	2624.6	2608.3	2630.0	2624.6
10°	2602.8	2602.8	2586.5	2613.7	2608.3
12.5°	2570.2	2575.7	2564.8	2597.4	2592.0
15°	2532.2	2543.1	2537.6	2570.2	2570.2
17.5°	2488.7	2499.6	2499.6	2537.6	2537.6
20°	2434.4	2450.7	2461.5	2505.0	2505.0
22.5°	2380.0	2401.8	2418.1	2456.1	2472.4
25°	2314.8	2342.0	2369.2	2418.1	2418.1
27.5°	2249.6	2282.2	2314.8	2363.7	2369.2
30°	2173.5	2211.6	2255.1	2304.0	2314.8
32.5°	2097.5	2146.4	2189.8	2249.6	2265.9
35°	2016.0	2064.9	2124.6	2184.4	2200.7
37.5°	1923.6	1983.4	2059.4	2124.6	2140.9
40°	1842.1	1907.3	1983.4	2059.4	2075.7
42.5°	1749.7	1820.3	1912.7	1983.4	2010.5
45°	1657.3	1733.4	1831.2	1912.7	1934.5
47.5°	1559.5	1646.5	1755.1	1831.2	1858.4
50°	1461.7	1554.1	1668.2	1755.1	1776.9
52.5°	1363.9	1461.7	1581.3	1668.2	1695.4
55°	1260.7	1363.9	1488.9	1581.3	1613.9
57.5°	1162.8	1266.1	1396.5	1494.3	1526.9
60°	1054.2	1173.7	1304.1	1401.9	1440.0
62.5°	961.8	1070.5	1211.8	1309.6	1342.2
65°	853.1	967.2	1113.9	1217.2	1249.8
67.5°	749.9	869.4	1016.1	1124.8	1157.4
70°	646.6	766.2	923.8	1027.0	1065.0
72.5°	543.4	668.4	820.5	934.6	972.7
75°	445.6	565.1	728.1	842.2	880.3
77.5°	342.3	472.7	635.8	749.9	793.3
80°	250.0	385.8	548.8	662.9	706.4
82.5°	168.4	304.3	467.3	581.4	624.9
85°	97.8	233.7	396.7	505.3	543.4
87.5°	48.9	179.3	331.5	440.1	478.2
90°	0.0	130.4	277.1	380.4	418.4
92.5°	0.0	125.0	271.7	369.5	407.5
95°	0.0	125.0	266.3	364.1	402.1
97.5°	0.0	119.5	260.8	364.1	396.7
100°	0.0	114.1	260.8	358.6	391.2
102.5°	0.0	108.7	255.4	353.2	385.8
105°	0.0	103.2	250.0	342.3	374.9
107.5°	5.4	103.2	239.1	336.9	369.5
110°	5.4	97.8	228.2	331.5	364.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.4	92.4	217.4	320.6	353.2
115°	5.4	92.4	211.9	304.3	342.3
117.5°	5.4	86.9	201.1	293.4	331.5
120°	5.4	86.9	195.6	282.6	315.2
122.5°	5.4	81.5	184.8	271.7	304.3
125°	5.4	76.1	179.3	260.8	293.4
127.5°	5.4	70.6	173.9	250.0	282.6
130°	5.4	65.2	163.0	239.1	266.3
132.5°	5.4	65.2	157.6	222.8	255.4
135°	5.4	59.8	146.7	211.9	239.1
137.5°	5.4	54.3	135.8	201.1	228.2
140°	5.4	48.9	125.0	190.2	211.9
142.5°	5.4	48.9	114.1	173.9	195.6
145°	5.4	43.5	103.2	163.0	179.3
147.5°	5.4	38.0	92.4	146.7	163.0
150°	5.4	38.0	81.5	130.4	146.7
152.5°	5.4	32.6	70.6	119.5	135.8
155°	5.4	27.2	65.2	103.2	119.5
157.5°	5.4	27.2	54.3	86.9	103.2
160°	5.4	21.7	48.9	70.6	86.9
162.5°	5.4	21.7	43.5	59.8	76.1
165°	5.4	16.3	32.6	48.9	59.8
167.5°	5.4	16.3	27.2	38.0	48.9
170°	5.4	10.9	21.7	27.2	38.0
172.5°	5.4	10.9	16.3	16.3	16.3
175°	5.4	5.4	10.9	10.9	5.4
177.5°	5.4	5.4	5.4	5.4	5.4
180°	5.4	5.4	5.4	5.4	5.4

(END OF REPORT)