

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: P567168

Luminaire Tested: **8SNX-102SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567168
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-L940-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

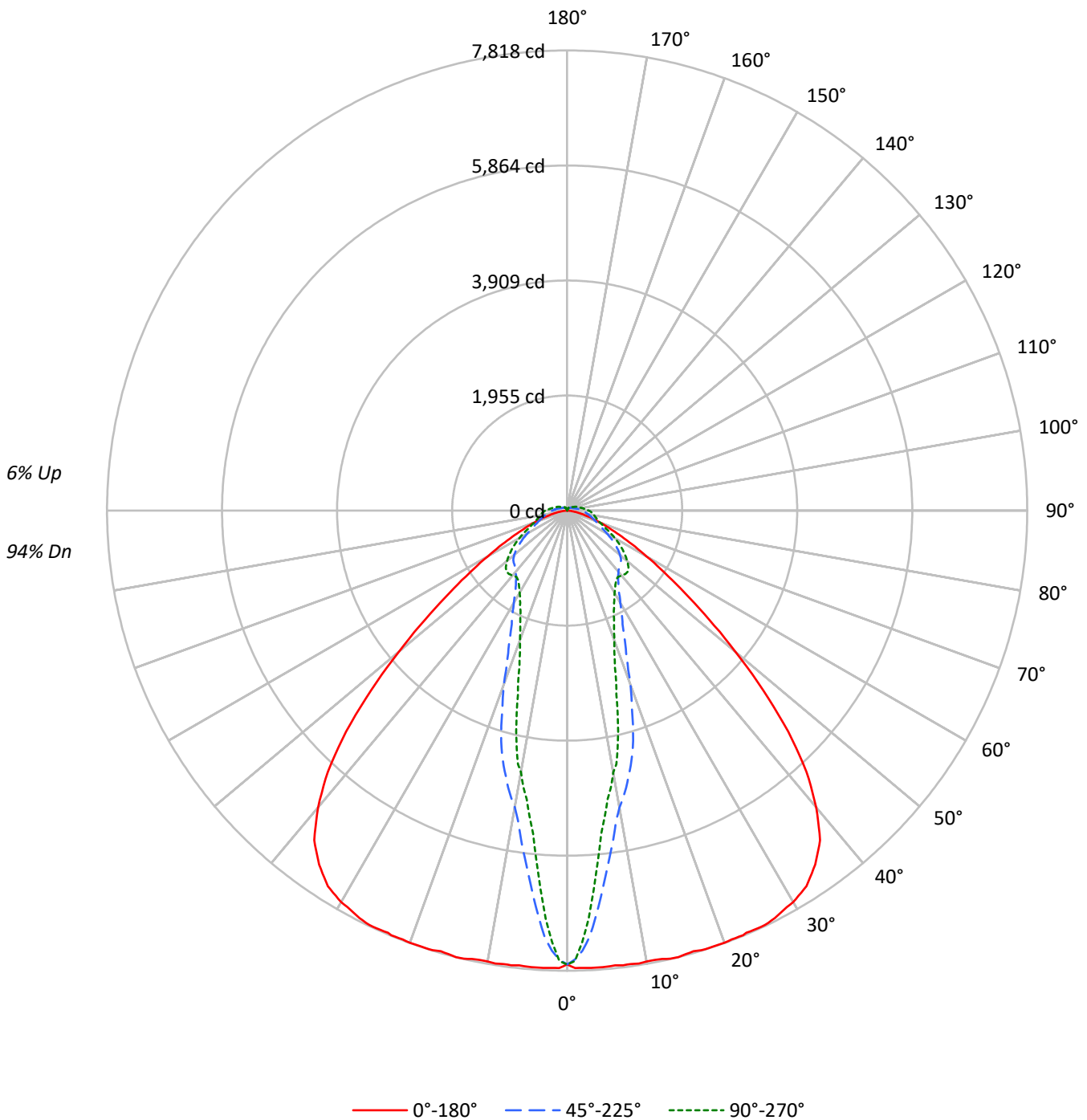
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9505.0 lumens
Efficiency: N/A
Efficacy: 135.8 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

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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°	41500	41500	41500
5°	41950	34128	30510
10°	42357	25794	22081
15°	43211	21107	15290
20°	44412	15289	10799
25°	45894	10965	8496
30°	47171	8770	7235
35°	47568	7425	6480
40°	45474	6758	6496
45°	39587	6536	6673
50°	30484	6223	6227
55°	22192	5450	5526
60°	16193	4554	4672
65°	11876	3857	3830
70°	8845	3413	3303
75°	6390	3168	3078
80°	4321	2974	3031
85°	2184	2844	3036



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	606.4	6.4
10°-20°	1316.8	13.9
20°-30°	1507.3	15.9
30°-40°	1510.0	15.9
40°-50°	1429.4	15.0
50°-60°	1096.2	11.5
60°-70°	706.6	7.4
70°-80°	450.6	4.7
80°-90°	299.2	3.1
90°-100°	201.1	2.1
100°-110°	132.5	1.4
110°-120°	92.2	1.0
120°-130°	64.3	0.7
130°-140°	44.7	0.5
140°-150°	27.3	0.3
150°-160°	13.9	0.1
160°-170°	5.3	0.1
170°-180°	1.0	0.0
0°-30°	3430.5	36.1
0°-40°	4940.5	52.0
0°-60°	7466.2	78.5
0°-90°	8922.6	93.9
90°-120°	425.9	4.5
90°-150°	562.2	5.9
90°-180°	582.0	6.1
0°-180°	9505.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7711	7711	7711	7711	7711	
5°	7779	7350	6586	6142	5977	743
15°	7799	5616	4282	3517	3234	2212
25°	7804	3975	2265	1968	1875	3597
35°	7346	2212	1515	1466	1447	4558
45°	5310	1398	1276	1413	1461	4037
55°	2436	999	984	1106	1150	2240
65°	974	628	619	706	731	1002
75°	331	341	429	492	516	364
85°	44	156	302	395	424	60
90°	0	107	253	351	365	2
95°	0	78	210	287	302	0
105°	0	58	136	195	210	3
115°	5	49	102	141	151	5
125°	5	44	88	102	107	4
135°	5	34	68	83	88	4
145°	5	24	49	63	68	3
155°	5	15	29	44	49	3
165°	10	10	20	24	29	2
175°	10	10	10	10	5	1
180°	10	10	10	10	10	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7710.9	7710.9	7710.9	7710.9	7710.9
1°	7774.2	7730.4	7628.1	7657.3	7652.5
2°	7774.2	7681.7	7482.0	7423.5	7335.8
3°	7779.1	7598.9	7257.9	7067.9	6946.2
4°	7779.1	7477.1	6926.7	6610.1	6454.2
5°	7779.1	7350.5	6585.7	6142.4	5976.8
6°	7769.4	7199.5	6239.9	5772.2	5523.8
7°	7784.0	7033.8	5928.1	5426.4	5231.5
8°	7779.1	6839.0	5640.7	5163.3	4949.0
9°	7793.7	6649.0	5329.0	4914.9	4754.2
10°	7779.1	6473.7	5124.4	4681.1	4515.5
11°	7779.1	6303.2	4978.2	4530.1	4388.8
12°	7788.9	6108.3	4817.5	4315.8	4120.9
13°	7813.2	5908.6	4632.4	4082.0	3853.0
14°	7818.1	5757.6	4461.9	3784.8	3546.1
15°	7798.6	5616.4	4281.7	3516.9	3234.4
16°	7788.9	5470.2	4067.4	3263.6	3010.3
17°	7808.3	5299.7	3823.8	3005.5	2771.6
18°	7813.2	5143.9	3565.6	2810.6	2606.0
19°	7813.2	5022.1	3356.2	2630.4	2455.0
20°	7813.2	4905.2	3141.8	2494.0	2343.0
21°	7803.5	4759.0	2898.3	2352.7	2226.1
22.5°	7808.3	4486.3	2620.6	2187.1	2084.8
23°	7793.7	4418.1	2552.4	2143.3	2036.1
24°	7798.6	4223.2	2406.3	2055.6	1953.3
25°	7803.5	3974.8	2265.1	1967.9	1875.4
26°	7793.7	3775.1	2148.1	1885.1	1821.8
27°	7769.4	3614.3	2065.3	1816.9	1758.5
28°	7735.3	3400.0	1977.7	1758.5	1704.9
29°	7701.2	3156.5	1890.0	1695.1	1656.2
30°	7681.7	2961.6	1807.2	1646.4	1612.3
32.5°	7564.8	2576.8	1636.7	1549.0	1519.8
35°	7345.6	2211.5	1514.9	1466.2	1446.7
37.5°	7058.2	1928.9	1422.4	1412.6	1417.5
40°	6585.7	1704.9	1354.2	1398.0	1441.8
42.5°	6020.7	1529.5	1305.4	1412.6	1461.3
45°	5309.5	1398.0	1276.2	1412.6	1461.3
47.5°	4520.4	1290.8	1242.1	1363.9	1412.6
50°	3731.2	1193.4	1173.9	1290.8	1334.7
52.5°	3034.7	1100.9	1086.3	1198.3	1242.1
55°	2435.5	998.6	984.0	1105.7	1149.6
57.5°	1953.3	901.1	886.5	998.6	1042.4
60°	1558.7	803.7	779.4	891.4	935.2
62.5°	1242.1	711.2	696.6	794.0	833.0
65°	974.2	628.4	618.6	706.3	730.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	769.6	550.4	555.3	628.4	657.6
70°	594.3	477.4	506.6	574.8	594.3
72.5°	448.1	404.3	467.6	526.1	550.4
75°	331.2	341.0	428.7	492.0	516.3
77.5°	228.9	282.5	394.6	462.8	487.1
80°	155.9	228.9	360.5	438.4	467.6
82.5°	92.6	190.0	331.2	414.0	448.1
85°	43.8	155.9	302.0	394.6	423.8
87.5°	14.6	126.6	272.8	375.1	399.4
90°	0.0	107.2	253.3	350.7	365.3
92.5°	0.0	92.6	228.9	321.5	331.2
95°	0.0	77.9	209.5	287.4	302.0
97.5°	0.0	73.1	194.8	258.2	277.7
100°	0.0	68.2	175.4	233.8	253.3
102.5°	0.0	58.5	155.9	209.5	228.9
105°	0.0	58.5	136.4	194.8	209.5
107.5°	4.9	53.6	126.6	175.4	194.8
110°	4.9	53.6	112.0	165.6	180.2
112.5°	4.9	53.6	107.2	151.0	170.5
115°	4.9	48.7	102.3	141.3	151.0
117.5°	4.9	48.7	97.4	126.6	136.4
120°	4.9	43.8	92.6	116.9	121.8
122.5°	4.9	43.8	87.7	107.2	112.0
125°	4.9	43.8	87.7	102.3	107.2
127.5°	4.9	39.0	82.8	97.4	97.4
130°	4.9	39.0	77.9	92.6	92.6
132.5°	4.9	34.1	73.1	87.7	92.6
135°	4.9	34.1	68.2	82.8	87.7
137.5°	4.9	29.2	63.3	77.9	82.8
140°	4.9	29.2	58.5	73.1	77.9
142.5°	4.9	24.4	53.6	68.2	73.1
145°	4.9	24.4	48.7	63.3	68.2
147.5°	4.9	24.4	43.8	58.5	63.3
150°	4.9	19.5	39.0	53.6	58.5
152.5°	4.9	19.5	34.1	48.7	53.6
155°	4.9	14.6	29.2	43.8	48.7
157.5°	4.9	14.6	29.2	39.0	43.8
160°	9.7	14.6	24.4	34.1	39.0
162.5°	4.9	9.7	24.4	29.2	34.1
165°	9.7	9.7	19.5	24.4	29.2
167.5°	9.7	9.7	14.6	19.5	24.4
170°	9.7	9.7	14.6	14.6	19.5
172.5°	9.7	9.7	9.7	14.6	9.7
175°	9.7	9.7	9.7	9.7	4.9
177.5°	9.7	9.7	9.7	9.7	4.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	9.7	9.7	9.7	9.7	9.7

(END OF REPORT)