

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: P567852

Luminaire Tested: **8SNX-52SL-LW-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567852  
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-52SL-LW-UNV-L840-CD  
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

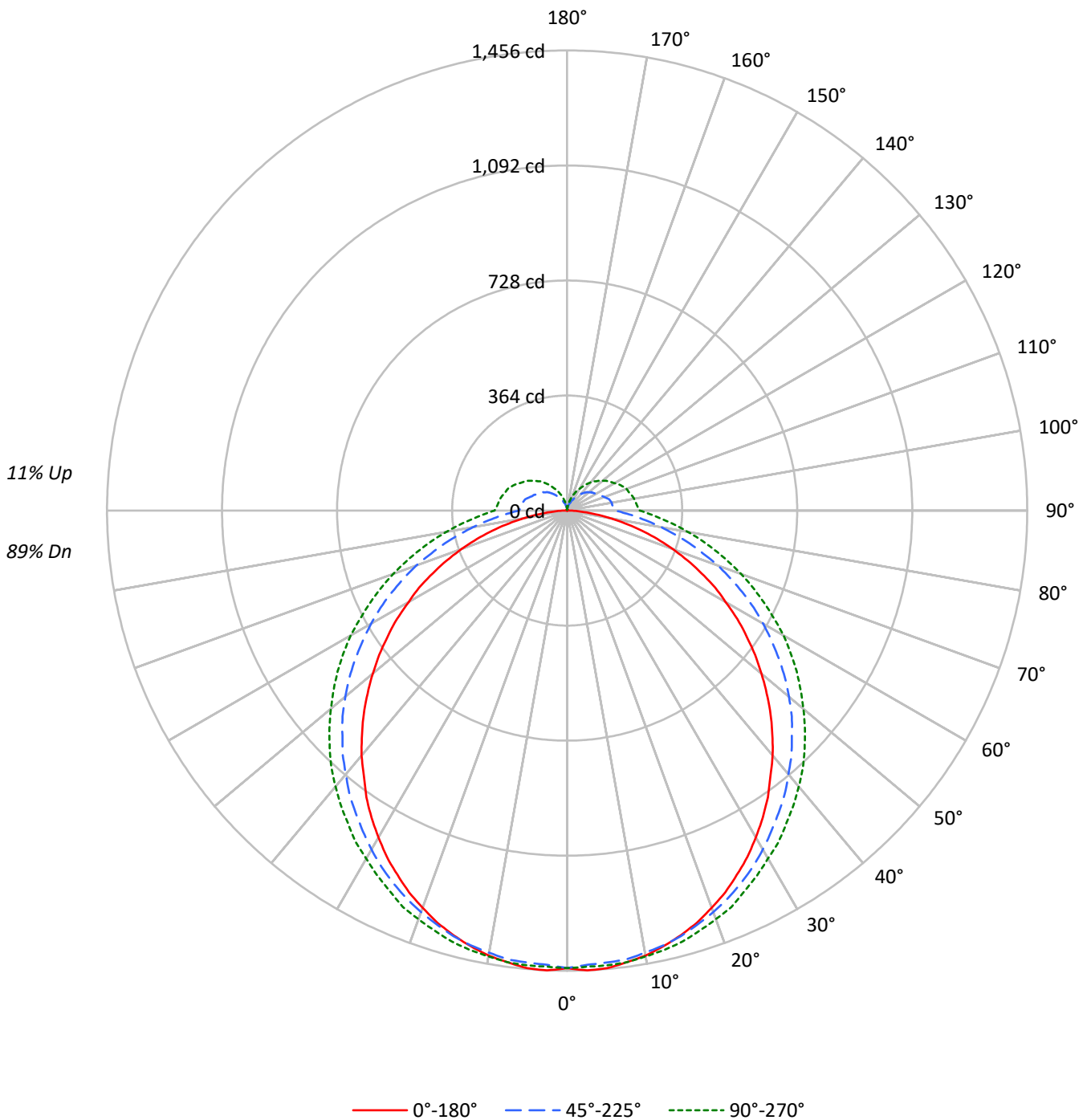
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5153.0 lumens  
Efficiency: N/A  
Efficacy: 157.1 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): 32.8  
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°	7790	7790	7790
5°	7838	7439	7374
10°	7784	7151	7006
15°	7706	6871	6674
20°	7600	6579	6341
25°	7477	6299	6016
30°	7331	6010	5705
35°	7171	5720	5414
40°	6986	5436	5137
45°	6787	5151	4852
50°	6559	4857	4553
55°	6309	4529	4261
60°	6015	4186	3951
65°	5712	3814	3598
70°	5287	3418	3251
75°	4721	2955	2882
80°	3806	2486	2515
85°	2678	2052	2138



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.5	2.7
10°-20°	395.2	7.7
20°-30°	600.9	11.7
30°-40°	729.4	14.2
40°-50°	770.8	15.0
50°-60°	721.3	14.0
60°-70°	591.8	11.5
70°-80°	407.0	7.9
80°-90°	222.9	4.3
90°-100°	143.5	2.8
100°-110°	128.8	2.5
110°-120°	106.6	2.1
120°-130°	82.1	1.6
130°-140°	57.7	1.1
140°-150°	34.8	0.7
150°-160°	16.6	0.3
160°-170°	5.5	0.1
170°-180°	0.7	0.0
0°-30°	1133.6	22.0
0°-40°	1863.0	36.2
0°-60°	3355.0	65.1
0°-90°	4576.7	88.8
90°-120°	379.0	7.4
90°-150°	553.5	10.7
90°-180°	576.0	11.2
0°-180°	5153.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1448	1448	1448	1448	1448	
5°	1454	1450	1436	1448	1444	138
15°	1391	1397	1394	1412	1412	392
25°	1271	1286	1301	1328	1328	586
35°	1107	1134	1167	1200	1209	692
45°	910	952	1006	1050	1062	702
55°	692	749	818	868	886	620
65°	469	531	612	668	686	464
75°	245	310	400	463	484	258
85°	54	128	218	278	298	62
90°	0	72	152	209	230	4
95°	0	69	146	200	221	0
105°	0	57	137	188	206	2
115°	3	51	116	167	188	3
125°	3	42	98	143	161	3
135°	3	33	81	116	131	2
145°	3	24	57	90	98	2
155°	3	15	36	57	66	1
165°	3	9	18	27	33	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1447.5	1447.5	1447.5	1447.5	1447.5
2.5°	1456.4	1453.5	1438.5	1450.5	1444.5
5°	1453.5	1450.5	1435.6	1447.5	1444.5
7.5°	1441.5	1441.5	1432.6	1444.5	1441.5
10°	1429.6	1429.6	1420.6	1435.6	1432.6
12.5°	1411.7	1414.7	1408.7	1426.6	1423.6
15°	1390.8	1396.8	1393.8	1411.7	1411.7
17.5°	1366.9	1372.9	1372.9	1393.8	1393.8
20°	1337.1	1346.0	1352.0	1375.9	1375.9
22.5°	1307.2	1319.2	1328.1	1349.0	1358.0
25°	1271.4	1286.3	1301.2	1328.1	1328.1
27.5°	1235.6	1253.5	1271.4	1298.3	1301.2
30°	1193.8	1214.7	1238.6	1265.4	1271.4
32.5°	1152.0	1178.9	1202.8	1235.6	1244.5
35°	1107.3	1134.1	1166.9	1199.8	1208.7
37.5°	1056.5	1089.3	1131.1	1166.9	1175.9
40°	1011.8	1047.6	1089.3	1131.1	1140.1
42.5°	961.0	999.8	1050.5	1089.3	1104.3
45°	910.3	952.1	1005.8	1050.5	1062.5
47.5°	856.6	904.3	964.0	1005.8	1020.7
50°	802.8	853.6	916.2	964.0	975.9
52.5°	749.1	802.8	868.5	916.2	931.2
55°	692.4	749.1	817.8	868.5	886.4
57.5°	638.7	695.4	767.0	820.7	838.6
60°	579.0	644.7	716.3	770.0	790.9
62.5°	528.3	587.9	665.5	719.3	737.2
65°	468.6	531.2	611.8	668.5	686.4
67.5°	411.9	477.5	558.1	617.8	635.7
70°	355.2	420.8	507.4	564.1	585.0
72.5°	298.5	367.1	450.7	513.3	534.2
75°	244.7	310.4	399.9	462.6	483.5
77.5°	188.0	259.7	349.2	411.9	435.7
80°	137.3	211.9	301.4	364.1	388.0
82.5°	92.5	167.1	256.7	319.3	343.2
85°	53.7	128.3	217.9	277.6	298.5
87.5°	26.9	98.5	182.1	241.7	262.6
90°	0.0	71.6	152.2	208.9	229.8
92.5°	0.0	68.6	149.2	202.9	223.8
95°	0.0	68.6	146.2	200.0	220.9
97.5°	0.0	65.7	143.3	200.0	217.9
100°	0.0	62.7	143.3	197.0	214.9
102.5°	0.0	59.7	140.3	194.0	211.9
105°	0.0	56.7	137.3	188.0	205.9
107.5°	3.0	56.7	131.3	185.0	202.9
110°	3.0	53.7	125.3	182.1	200.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	50.7	119.4	176.1	194.0
115°	3.0	50.7	116.4	167.1	188.0
117.5°	3.0	47.8	110.4	161.2	182.1
120°	3.0	47.8	107.4	155.2	173.1
122.5°	3.0	44.8	101.5	149.2	167.1
125°	3.0	41.8	98.5	143.3	161.2
127.5°	3.0	38.8	95.5	137.3	155.2
130°	3.0	35.8	89.5	131.3	146.2
132.5°	3.0	35.8	86.6	122.4	140.3
135°	3.0	32.8	80.6	116.4	131.3
137.5°	3.0	29.8	74.6	110.4	125.3
140°	3.0	26.9	68.6	104.5	116.4
142.5°	3.0	26.9	62.7	95.5	107.4
145°	3.0	23.9	56.7	89.5	98.5
147.5°	3.0	20.9	50.7	80.6	89.5
150°	3.0	20.9	44.8	71.6	80.6
152.5°	3.0	17.9	38.8	65.7	74.6
155°	3.0	14.9	35.8	56.7	65.7
157.5°	3.0	14.9	29.8	47.8	56.7
160°	3.0	11.9	26.9	38.8	47.8
162.5°	3.0	11.9	23.9	32.8	41.8
165°	3.0	9.0	17.9	26.9	32.8
167.5°	3.0	9.0	14.9	20.9	26.9
170°	3.0	6.0	11.9	14.9	20.9
172.5°	3.0	6.0	9.0	9.0	9.0
175°	3.0	3.0	6.0	6.0	3.0
177.5°	3.0	3.0	3.0	3.0	3.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)