

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: P567175

Luminaire Tested: **8SNX-102SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567175  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-102SL-LN-UNV-L935-CD  
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

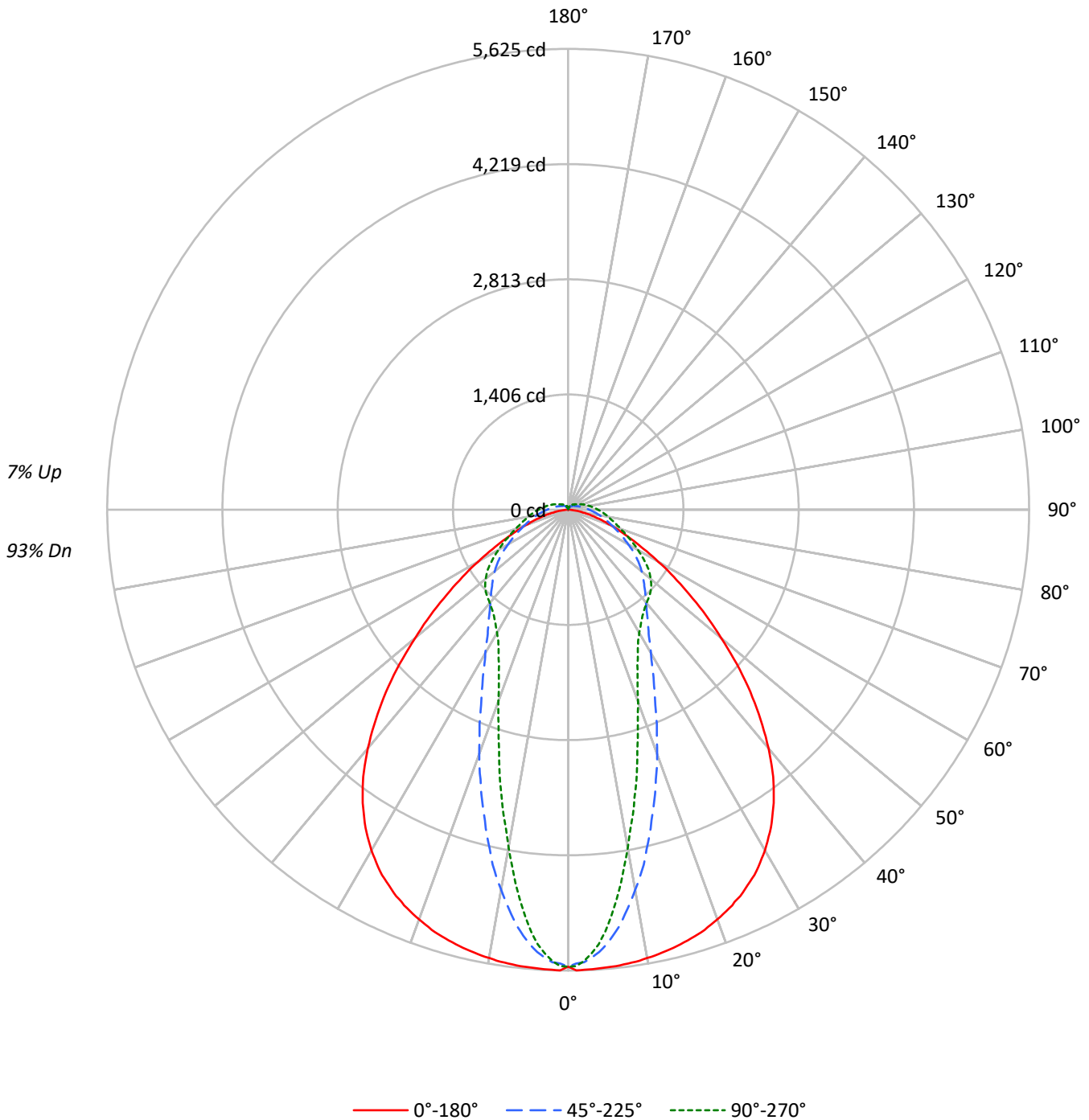
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8892.0 lumens  
Efficiency: N/A  
Efficacy: 127.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	30022	30022	30022
5°	30232	27627	26406
10°	30246	23715	20487
15°	30289	19366	15355
20°	30251	15444	11491
25°	30038	12114	9120
30°	29475	9814	7779
35°	28307	8315	7076
40°	26257	7348	6698
45°	23419	6731	6491
50°	19913	6201	6132
55°	16434	5626	5600
60°	13217	4956	4912
65°	10340	4358	4274
70°	8115	3862	3781
75°	6384	3478	3445
80°	4651	3191	3202
85°	2788	2985	3071



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	494.0	5.6
10°-20°	1157.9	13.0
20°-30°	1374.5	15.5
30°-40°	1382.9	15.6
40°-50°	1285.4	14.5
50°-60°	1058.5	11.9
60°-70°	745.8	8.4
70°-80°	487.3	5.5
80°-90°	311.1	3.5
90°-100°	204.0	2.3
100°-110°	138.5	1.6
110°-120°	94.9	1.1
120°-130°	65.7	0.7
130°-140°	44.2	0.5
140°-150°	27.2	0.3
150°-160°	14.1	0.2
160°-170°	5.1	0.1
170°-180°	0.9	0.0
0°-30°	3026.4	34.0
0°-40°	4409.2	49.6
0°-60°	6753.1	75.9
0°-90°	8297.3	93.3
90°-120°	437.5	4.9
90°-150°	574.6	6.5
90°-180°	595.0	6.7
0°-180°	8892.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5578	5578	5578	5578	5578	
5°	5606	5532	5331	5229	5173	534
15°	5466	4884	3928	3434	3248	1544
25°	5108	3775	2502	2102	2013	2350
35°	4371	2554	1696	1589	1580	2718
45°	3141	1682	1314	1384	1421	2411
55°	1804	1104	1016	1128	1165	1629
65°	848	666	699	788	816	860
75°	331	345	471	555	578	358
85°	56	158	317	410	429	70
90°	0	107	256	350	364	3
95°	0	79	214	294	308	0
105°	0	56	144	205	224	0
115°	5	47	102	149	158	4
125°	5	37	84	107	116	4
135°	5	33	65	84	88	4
145°	5	23	47	65	70	3
155°	5	19	33	47	51	2
165°	5	9	19	23	28	1
175°	9	9	9	9	5	1
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5578.2	5578.2	5578.2	5578.2	5578.2
1°	5624.8	5601.5	5540.9	5582.9	5573.6
2°	5620.2	5596.9	5527.0	5545.6	5513.0
3°	5615.5	5582.9	5475.7	5471.0	5424.4
4°	5610.8	5559.6	5410.5	5354.5	5317.2
5°	5606.2	5531.6	5331.2	5228.7	5172.8
6°	5601.5	5499.0	5228.7	5074.9	4995.7
7°	5592.2	5447.7	5121.5	4911.8	4809.3
8°	5582.9	5401.1	4986.4	4734.7	4608.9
9°	5573.6	5340.5	4851.2	4543.7	4394.5
10°	5554.9	5280.0	4711.4	4347.9	4189.5
11°	5545.6	5210.1	4576.3	4161.5	3975.1
12°	5527.0	5135.5	4431.8	3965.8	3802.7
13°	5508.3	5056.3	4254.7	3798.0	3602.3
14°	5489.7	4972.4	4100.9	3611.6	3429.9
15°	5466.4	4883.9	3928.5	3434.5	3248.1
16°	5443.1	4781.3	3774.7	3252.8	3057.1
17°	5419.8	4683.5	3630.3	3085.0	2907.9
18°	5391.8	4585.6	3462.5	2921.9	2749.5
19°	5354.5	4473.8	3327.4	2772.8	2614.4
20°	5321.9	4371.2	3173.6	2633.0	2493.2
21°	5284.6	4245.4	3019.8	2502.5	2362.7
22.5°	5228.7	4068.3	2824.1	2339.4	2208.9
23°	5200.7	4017.1	2744.8	2278.8	2167.0
24°	5163.5	3881.9	2614.4	2185.6	2073.8
25°	5107.5	3774.7	2502.5	2101.7	2013.2
26°	5056.3	3644.2	2390.7	2027.2	1938.6
27°	5005.0	3518.4	2292.8	1947.9	1873.4
28°	4939.8	3387.9	2185.6	1882.7	1817.5
29°	4869.9	3266.8	2097.1	1826.8	1775.5
30°	4800.0	3131.6	2022.5	1775.5	1733.6
32.5°	4604.2	2833.4	1831.4	1677.7	1649.7
35°	4371.2	2553.8	1696.3	1589.1	1579.8
37.5°	4110.3	2297.5	1575.1	1519.2	1528.5
40°	3802.7	2064.5	1472.6	1468.0	1486.6
42.5°	3476.5	1864.1	1393.4	1426.0	1454.0
45°	3141.0	1682.3	1314.2	1384.1	1421.4
47.5°	2791.4	1523.9	1244.3	1332.8	1374.7
50°	2437.3	1370.1	1169.7	1272.2	1314.2
52.5°	2120.4	1234.9	1095.1	1202.3	1248.9
55°	1803.5	1104.5	1015.9	1127.8	1165.0
57.5°	1528.5	983.3	932.0	1043.9	1071.8
60°	1272.2	866.8	848.2	950.7	983.3
62.5°	1039.2	764.3	768.9	866.8	899.4
65°	848.2	666.4	699.0	787.6	815.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	689.7	573.2	629.1	722.3	745.6
70°	545.2	489.3	573.2	657.1	680.4
72.5°	433.4	414.8	517.3	605.8	624.5
75°	330.9	344.9	470.7	554.6	577.9
77.5°	237.7	288.9	424.1	512.6	531.3
80°	167.8	237.7	386.8	475.3	494.0
82.5°	107.2	195.7	349.5	442.7	461.4
85°	55.9	158.4	316.9	410.1	428.7
87.5°	23.3	130.5	284.3	377.5	396.1
90°	0.0	107.2	256.3	349.5	363.5
92.5°	0.0	93.2	233.0	321.6	335.5
95°	0.0	79.2	214.4	293.6	307.6
97.5°	0.0	74.6	191.1	270.3	284.3
100°	0.0	65.2	172.4	247.0	265.6
102.5°	0.0	60.6	158.4	223.7	242.3
105°	0.0	55.9	144.5	205.0	223.7
107.5°	0.0	51.3	135.1	191.1	205.0
110°	0.0	51.3	121.2	177.1	191.1
112.5°	4.7	46.6	111.8	158.4	172.4
115°	4.7	46.6	102.5	149.1	158.4
117.5°	4.7	46.6	97.9	135.1	144.5
120°	4.7	41.9	93.2	125.8	135.1
122.5°	4.7	41.9	88.5	116.5	121.2
125°	4.7	37.3	83.9	107.2	116.5
127.5°	4.7	37.3	79.2	102.5	107.2
130°	4.7	37.3	74.6	93.2	102.5
132.5°	4.7	32.6	69.9	88.5	93.2
135°	4.7	32.6	65.2	83.9	88.5
137.5°	4.7	28.0	60.6	79.2	83.9
140°	4.7	28.0	55.9	74.6	79.2
142.5°	4.7	23.3	51.3	69.9	74.6
145°	4.7	23.3	46.6	65.2	69.9
147.5°	4.7	23.3	41.9	60.6	65.2
150°	4.7	18.6	37.3	55.9	60.6
152.5°	4.7	18.6	32.6	51.3	55.9
155°	4.7	18.6	32.6	46.6	51.3
157.5°	4.7	14.0	28.0	37.3	46.6
160°	4.7	14.0	23.3	32.6	41.9
162.5°	4.7	14.0	23.3	28.0	32.6
165°	4.7	9.3	18.6	23.3	28.0
167.5°	4.7	9.3	14.0	18.6	23.3
170°	4.7	9.3	14.0	14.0	18.6
172.5°	4.7	9.3	9.3	9.3	9.3
175°	9.3	9.3	9.3	9.3	4.7
177.5°	9.3	9.3	9.3	4.7	4.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)