

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: P568206

Luminaire Tested: **8SNX-SL3-LN-UNV-CC83-CD-5000K-MED**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568206  
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-SL3-LN-UNV-CC83-CD-5000K-MED  
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, MED LUMEN SETTING, AND LN LENS  
Light Source: -  
Ballast/Driver: -

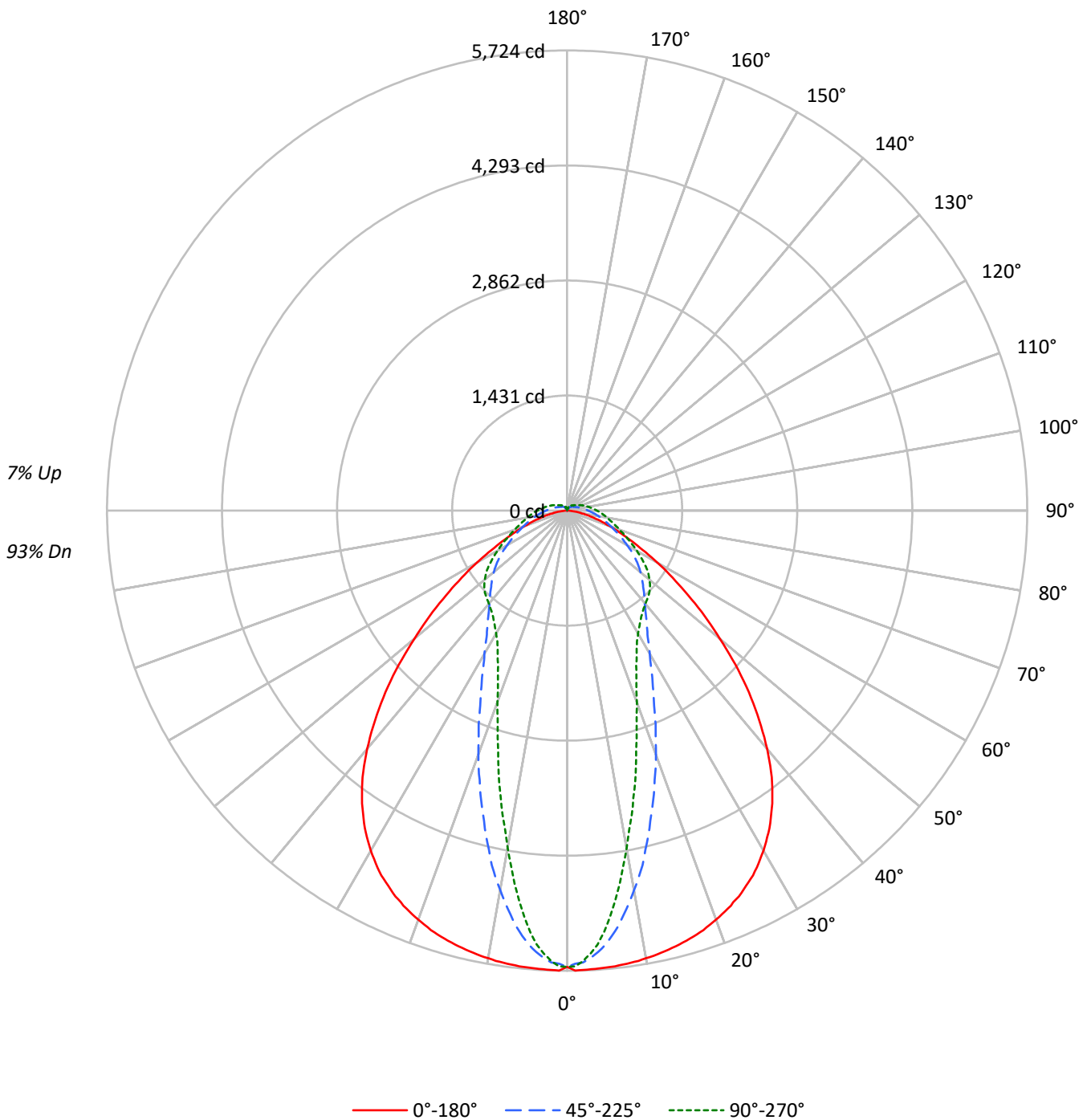
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9048.0 lumens  
Efficiency: N/A  
Efficacy: 134.1 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): 67.452  
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	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°	30549	30549	30549
5°	30763	28112	26869
10°	30777	24131	20847
15°	30820	19706	15624
20°	30782	15714	11693
25°	30565	12327	9280
30°	29992	9987	7916
35°	28803	8461	7200
40°	26718	7477	6815
45°	23830	6848	6605
50°	20262	6310	6239
55°	16722	5725	5698
60°	13449	5043	4998
65°	10520	4435	4349
70°	8258	3930	3847
75°	6496	3538	3505
80°	4732	3247	3258
85°	2838	3037	3125



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	502.7	5.6
10°-20°	1178.2	13.0
20°-30°	1398.6	15.5
30°-40°	1407.1	15.6
40°-50°	1308.0	14.5
50°-60°	1077.0	11.9
60°-70°	758.9	8.4
70°-80°	495.8	5.5
80°-90°	316.6	3.5
90°-100°	207.6	2.3
100°-110°	140.9	1.6
110°-120°	96.6	1.1
120°-130°	66.8	0.7
130°-140°	45.0	0.5
140°-150°	27.7	0.3
150°-160°	14.4	0.2
160°-170°	5.2	0.1
170°-180°	0.9	0.0
0°-30°	3079.5	34.0
0°-40°	4486.6	49.6
0°-60°	6871.6	75.9
0°-90°	8442.9	93.3
90°-120°	445.1	4.9
90°-150°	584.6	6.5
90°-180°	605.0	6.7
0°-180°	9048.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5676	5676	5676	5676	5676	
5°	5704	5629	5425	5320	5264	543
15°	5562	4970	3997	3495	3305	1571
25°	5197	3841	2546	2139	2048	2392
35°	4448	2599	1726	1617	1608	2766
45°	3196	1712	1337	1408	1446	2454
55°	1835	1124	1034	1148	1186	1657
65°	863	678	711	801	830	876
75°	337	351	479	564	588	364
85°	57	161	322	417	436	72
90°	0	109	261	356	370	3
95°	0	81	218	299	313	0
105°	0	57	147	209	228	0
115°	5	47	104	152	161	4
125°	5	38	85	109	118	4
135°	5	33	66	85	90	4
145°	5	24	47	66	71	3
155°	5	19	33	47	52	2
165°	5	10	19	24	28	1
175°	10	10	10	10	5	1
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5676.1	5676.1	5676.1	5676.1	5676.1
1°	5723.5	5699.8	5638.1	5680.8	5671.3
2°	5718.8	5695.0	5623.9	5642.9	5609.7
3°	5714.0	5680.8	5571.8	5567.0	5519.6
4°	5709.3	5657.1	5505.4	5448.5	5410.5
5°	5704.5	5628.7	5424.8	5320.4	5263.5
6°	5699.8	5595.5	5320.4	5164.0	5083.3
7°	5690.3	5543.3	5211.4	4998.0	4893.7
8°	5680.8	5495.9	5073.9	4817.8	4689.8
9°	5671.3	5434.2	4936.3	4623.4	4471.6
10°	5652.4	5372.6	4794.1	4424.2	4263.0
11°	5642.9	5301.5	4656.6	4234.5	4044.9
12°	5623.9	5225.6	4509.6	4035.4	3869.4
13°	5605.0	5145.0	4329.4	3864.7	3665.5
14°	5586.0	5059.6	4172.9	3675.0	3490.1
15°	5562.3	4969.5	3997.4	3494.8	3305.1
16°	5538.6	4865.2	3841.0	3309.9	3110.7
17°	5514.9	4765.6	3694.0	3139.2	2959.0
18°	5486.4	4666.1	3523.2	2973.2	2797.7
19°	5448.5	4552.2	3385.7	2821.4	2660.2
20°	5415.3	4447.9	3229.2	2679.2	2536.9
21°	5377.3	4319.9	3072.8	2546.4	2404.2
22.5°	5320.4	4139.7	2873.6	2380.4	2247.7
23°	5292.0	4087.5	2793.0	2318.8	2205.0
24°	5254.1	3950.0	2660.2	2224.0	2110.2
25°	5197.1	3841.0	2546.4	2138.6	2048.5
26°	5145.0	3708.2	2432.6	2062.7	1972.6
27°	5092.8	3580.2	2333.0	1982.1	1906.3
28°	5026.4	3447.4	2224.0	1915.7	1849.3
29°	4955.3	3324.1	2133.9	1858.8	1806.7
30°	4884.2	3186.6	2058.0	1806.7	1764.0
32.5°	4685.0	2883.1	1863.6	1707.1	1678.6
35°	4447.9	2598.6	1726.1	1617.0	1607.5
37.5°	4182.4	2337.8	1602.8	1545.9	1555.4
40°	3869.4	2100.7	1498.4	1493.7	1512.7
42.5°	3537.5	1896.8	1417.8	1451.0	1479.5
45°	3196.1	1711.8	1337.2	1408.4	1446.3
47.5°	2840.4	1550.6	1266.1	1356.2	1398.9
50°	2480.0	1394.1	1190.2	1294.5	1337.2
52.5°	2157.6	1256.6	1114.4	1223.4	1270.8
55°	1835.1	1123.8	1033.7	1147.5	1185.5
57.5°	1555.4	1000.5	948.4	1062.2	1090.6
60°	1294.5	882.0	863.0	967.4	1000.5
62.5°	1057.4	777.7	782.4	882.0	915.2
65°	863.0	678.1	711.3	801.4	829.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	701.8	583.3	640.2	735.0	758.7
70°	554.8	497.9	583.3	668.6	692.3
72.5°	441.0	422.0	526.4	616.4	635.4
75°	336.7	350.9	478.9	564.3	588.0
77.5°	241.8	294.0	431.5	521.6	540.6
80°	170.7	241.8	393.6	483.7	502.6
82.5°	109.1	199.2	355.6	450.5	469.5
85°	56.9	161.2	322.5	417.3	436.3
87.5°	23.7	132.8	289.3	384.1	403.1
90°	0.0	109.1	260.8	355.6	369.9
92.5°	0.0	94.8	237.1	327.2	341.4
95°	0.0	80.6	218.1	298.7	313.0
97.5°	0.0	75.9	194.4	275.0	289.3
100°	0.0	66.4	175.5	251.3	270.3
102.5°	0.0	61.6	161.2	227.6	246.6
105°	0.0	56.9	147.0	208.6	227.6
107.5°	0.0	52.2	137.5	194.4	208.6
110°	0.0	52.2	123.3	180.2	194.4
112.5°	4.7	47.4	113.8	161.2	175.5
115°	4.7	47.4	104.3	151.7	161.2
117.5°	4.7	47.4	99.6	137.5	147.0
120°	4.7	42.7	94.8	128.0	137.5
122.5°	4.7	42.7	90.1	118.5	123.3
125°	4.7	37.9	85.4	109.1	118.5
127.5°	4.7	37.9	80.6	104.3	109.1
130°	4.7	37.9	75.9	94.8	104.3
132.5°	4.7	33.2	71.1	90.1	94.8
135°	4.7	33.2	66.4	85.4	90.1
137.5°	4.7	28.5	61.6	80.6	85.4
140°	4.7	28.5	56.9	75.9	80.6
142.5°	4.7	23.7	52.2	71.1	75.9
145°	4.7	23.7	47.4	66.4	71.1
147.5°	4.7	23.7	42.7	61.6	66.4
150°	4.7	19.0	37.9	56.9	61.6
152.5°	4.7	19.0	33.2	52.2	56.9
155°	4.7	19.0	33.2	47.4	52.2
157.5°	4.7	14.2	28.5	37.9	47.4
160°	4.7	14.2	23.7	33.2	42.7
162.5°	4.7	14.2	23.7	28.5	33.2
165°	4.7	9.5	19.0	23.7	28.5
167.5°	4.7	9.5	14.2	19.0	23.7
170°	4.7	9.5	14.2	14.2	19.0
172.5°	4.7	9.5	9.5	9.5	9.5
175°	9.5	9.5	9.5	9.5	4.7
177.5°	9.5	9.5	9.5	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)