

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: P567070

Luminaire Tested: **4SNX-SL3-LC-UNV-CC83-CD-5000K-HI**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567070  
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: 4SNX-SL3-LC-UNV-CC83-CD-5000K-HI  
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, HI LUMEN SETTING, AND LC LENS  
Light Source: -  
Ballast/Driver: -

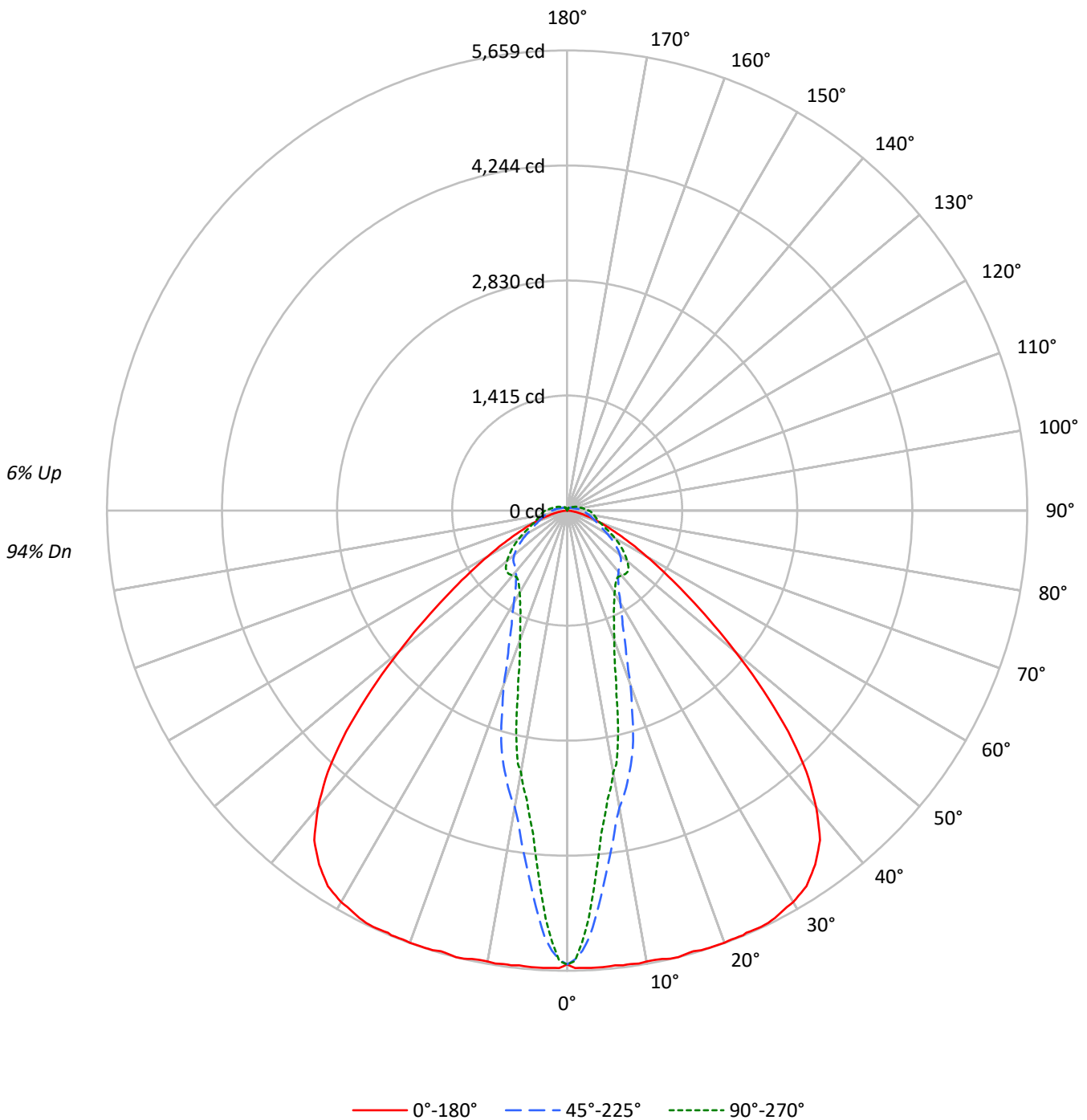
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6880.0 lumens  
Efficiency: N/A  
Efficacy: 134.6 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 51.1  
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°	60078	60078	60078
5°	60620	49344	44169
10°	61096	37251	31966
15°	62210	30450	22135
20°	63813	22034	15633
25°	65806	15785	12298
30°	67485	12611	10473
35°	67886	10667	9381
40°	64718	9697	9404
45°	56163	9370	9660
50°	43087	8910	9015
55°	31225	7792	7999
60°	22655	6503	6764
65°	16488	5499	5544
70°	12148	4857	4781
75°	8631	4498	4456
80°	5656	4211	4389
85°	2652	4014	4394



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	438.9	6.4
10°-20°	953.2	13.9
20°-30°	1091.0	15.9
30°-40°	1093.0	15.9
40°-50°	1034.6	15.0
50°-60°	793.5	11.5
60°-70°	511.5	7.4
70°-80°	326.2	4.7
80°-90°	216.6	3.1
90°-100°	145.6	2.1
100°-110°	95.9	1.4
110°-120°	66.7	1.0
120°-130°	46.5	0.7
130°-140°	32.3	0.5
140°-150°	19.8	0.3
150°-160°	10.0	0.1
160°-170°	3.9	0.1
170°-180°	0.7	0.0
0°-30°	2483.1	36.1
0°-40°	3576.1	52.0
0°-60°	5404.2	78.6
0°-90°	6458.4	93.9
90°-120°	308.2	4.5
90°-150°	406.9	5.9
90°-180°	422.0	6.1
0°-180°	6880.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5581	5581	5581	5581	5581	
5°	5631	5320	4767	4446	4326	538
15°	5645	4065	3099	2546	2341	1601
25°	5648	2877	1640	1424	1357	2604
35°	5317	1601	1096	1061	1047	3299
45°	3843	1012	924	1022	1058	2922
55°	1763	723	712	800	832	1621
65°	705	455	448	511	529	725
75°	240	247	310	356	374	264
85°	32	113	219	286	307	44
90°	0	78	183	254	264	1
95°	0	56	152	208	219	0
105°	0	42	99	141	152	2
115°	4	35	74	102	109	3
125°	4	32	64	74	78	3
135°	4	25	49	60	64	3
145°	4	18	35	46	49	2
155°	4	11	21	32	35	2
165°	7	7	14	18	21	2
175°	7	7	7	7	4	1
180°	7	7	7	7	7	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5581.4	5581.4	5581.4	5581.4	5581.4
1°	5627.2	5595.5	5521.5	5542.6	5539.1
2°	5627.2	5560.2	5415.7	5373.4	5309.9
3°	5630.8	5500.3	5253.5	5116.0	5027.8
4°	5630.8	5412.1	5013.7	4784.6	4671.7
5°	5630.8	5320.5	4766.9	4446.1	4326.2
6°	5623.7	5211.2	4516.6	4178.1	3998.3
7°	5634.3	5091.3	4290.9	3927.8	3786.7
8°	5630.8	4950.3	4082.9	3737.4	3582.2
9°	5641.3	4812.8	3857.3	3557.6	3441.2
10°	5630.8	4685.8	3709.2	3388.3	3268.4
11°	5630.8	4562.4	3603.4	3279.0	3176.8
12°	5637.8	4421.4	3487.0	3123.9	2982.9
13°	5655.4	4276.8	3353.1	2954.6	2788.9
14°	5659.0	4167.5	3229.7	2739.6	2566.8
15°	5644.9	4065.3	3099.2	2545.6	2341.2
16°	5637.8	3959.5	2944.1	2362.3	2179.0
17°	5651.9	3836.1	2767.8	2175.4	2006.2
18°	5655.4	3723.3	2580.9	2034.4	1886.3
19°	5655.4	3635.1	2429.3	1903.9	1777.0
20°	5655.4	3550.5	2274.2	1805.2	1695.9
21°	5648.4	3444.7	2097.9	1703.0	1611.3
22.5°	5651.9	3247.3	1896.9	1583.1	1509.1
23°	5641.3	3197.9	1847.5	1551.4	1473.8
24°	5644.9	3056.9	1741.8	1487.9	1413.9
25°	5648.4	2877.1	1639.5	1424.4	1357.4
26°	5641.3	2732.5	1554.9	1364.5	1318.7
27°	5623.7	2616.2	1495.0	1315.1	1272.8
28°	5599.0	2461.0	1431.5	1272.8	1234.0
29°	5574.3	2284.7	1368.0	1227.0	1198.8
30°	5560.2	2143.7	1308.1	1191.7	1167.0
32.5°	5475.6	1865.2	1184.7	1121.2	1100.1
35°	5317.0	1600.7	1096.5	1061.3	1047.2
37.5°	5108.9	1396.2	1029.5	1022.5	1026.0
40°	4766.9	1234.0	980.2	1011.9	1043.6
42.5°	4357.9	1107.1	944.9	1022.5	1057.7
45°	3843.2	1011.9	923.8	1022.5	1057.7
47.5°	3272.0	934.3	899.1	987.2	1022.5
50°	2700.8	863.8	849.7	934.3	966.1
52.5°	2196.6	796.8	786.3	867.4	899.1
55°	1762.9	722.8	712.2	800.4	832.1
57.5°	1413.9	652.3	641.7	722.8	754.5
60°	1128.3	581.8	564.1	645.2	677.0
62.5°	899.1	514.8	504.2	574.7	602.9
65°	705.2	454.8	447.8	511.2	528.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	557.1	398.4	401.9	454.8	476.0
70°	430.2	345.5	366.7	416.0	430.2
72.5°	324.4	292.6	338.5	380.8	398.4
75°	239.8	246.8	310.3	356.1	373.7
77.5°	165.7	204.5	285.6	335.0	352.6
80°	112.8	165.7	260.9	317.3	338.5
82.5°	67.0	137.5	239.8	299.7	324.4
85°	31.7	112.8	218.6	285.6	306.7
87.5°	10.6	91.7	197.4	271.5	289.1
90°	0.0	77.6	183.3	253.9	264.4
92.5°	0.0	67.0	165.7	232.7	239.8
95°	0.0	56.4	151.6	208.0	218.6
97.5°	0.0	52.9	141.0	186.9	201.0
100°	0.0	49.4	126.9	169.2	183.3
102.5°	0.0	42.3	112.8	151.6	165.7
105°	0.0	42.3	98.7	141.0	151.6
107.5°	3.5	38.8	91.7	126.9	141.0
110°	3.5	38.8	81.1	119.9	130.5
112.5°	3.5	38.8	77.6	109.3	123.4
115°	3.5	35.3	74.0	102.2	109.3
117.5°	3.5	35.3	70.5	91.7	98.7
120°	3.5	31.7	67.0	84.6	88.1
122.5°	3.5	31.7	63.5	77.6	81.1
125°	3.5	31.7	63.5	74.0	77.6
127.5°	3.5	28.2	59.9	70.5	70.5
130°	3.5	28.2	56.4	67.0	67.0
132.5°	3.5	24.7	52.9	63.5	67.0
135°	3.5	24.7	49.4	59.9	63.5
137.5°	3.5	21.2	45.8	56.4	59.9
140°	3.5	21.2	42.3	52.9	56.4
142.5°	3.5	17.6	38.8	49.4	52.9
145°	3.5	17.6	35.3	45.8	49.4
147.5°	3.5	17.6	31.7	42.3	45.8
150°	3.5	14.1	28.2	38.8	42.3
152.5°	3.5	14.1	24.7	35.3	38.8
155°	3.5	10.6	21.2	31.7	35.3
157.5°	3.5	10.6	21.2	28.2	31.7
160°	7.1	10.6	17.6	24.7	28.2
162.5°	3.5	7.1	17.6	21.2	24.7
165°	7.1	7.1	14.1	17.6	21.2
167.5°	7.1	7.1	10.6	14.1	17.6
170°	7.1	7.1	10.6	10.6	14.1
172.5°	7.1	7.1	7.1	10.6	7.1
175°	7.1	7.1	7.1	7.1	3.5
177.5°	7.1	7.1	7.1	7.1	3.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	7.1	7.1	7.1	7.1	7.1

(END OF REPORT)