

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: P567072

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567072  
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-MED  
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, MED LUMEN SETTING, AND LC LENS  
Light Source: -  
Ballast/Driver: -

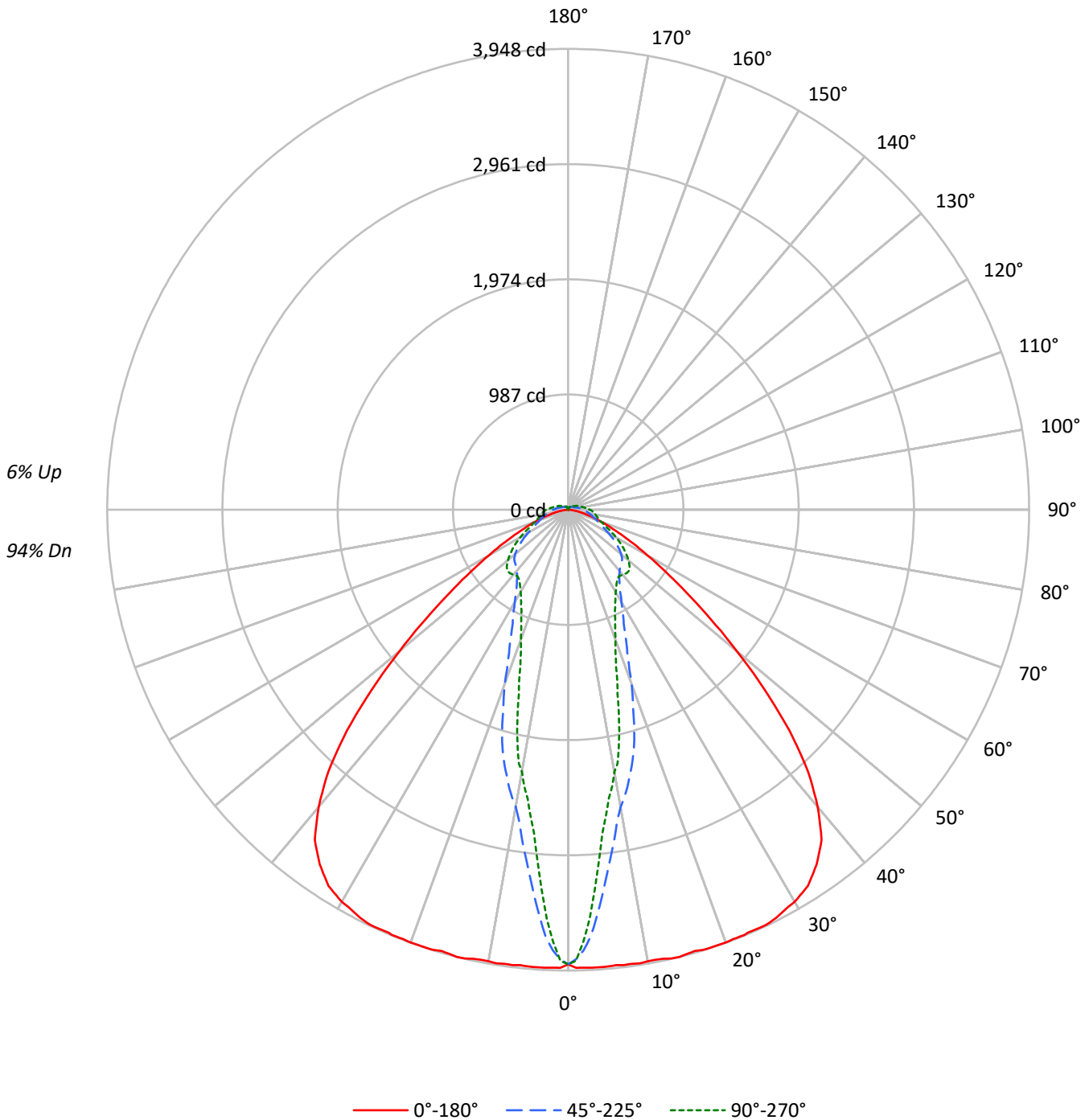
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4800.1 lumens  
Efficiency: N/A  
Efficacy: 142.3 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): 33.726  
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	50	30	10	0		
RCR																										
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94					94			
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80					80			
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69					69			
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60					60			
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53					53			
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47					47			
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42					42			
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38					38			
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35					35			
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32					32			
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30					30			

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

	0°	45°	90°
0°	41915	41915	41915
5°	42292	34427	30815
10°	42624	25989	22302
15°	43402	21244	15443
20°	44522	15372	10907
25°	45910	11012	8581
30°	47082	8798	7307
35°	47362	7442	6545
40°	45153	6765	6561
45°	39183	6537	6740
50°	30061	6216	6289
55°	21784	5436	5581
60°	15806	4537	4719
65°	11503	3836	3868
70°	8474	3388	3335
75°	6021	3138	3108
80°	3946	2937	3061
85°	1849	2801	3066



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	306.2	6.4
10°-20°	665.0	13.9
20°-30°	761.2	15.9
30°-40°	762.5	15.9
40°-50°	721.9	15.0
50°-60°	553.6	11.5
60°-70°	356.8	7.4
70°-80°	227.6	4.7
80°-90°	151.1	3.1
90°-100°	101.6	2.1
100°-110°	66.9	1.4
110°-120°	46.6	1.0
120°-130°	32.5	0.7
130°-140°	22.6	0.5
140°-150°	13.8	0.3
150°-160°	7.0	0.1
160°-170°	2.7	0.1
170°-180°	0.5	0.0
0°-30°	1732.4	36.1
0°-40°	2495.0	52.0
0°-60°	3770.4	78.5
0°-90°	4505.9	93.9
90°-120°	215.1	4.5
90°-150°	283.9	5.9
90°-180°	294.0	6.1
0°-180°	4800.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3894	3894	3894	3894	3894	
5°	3928	3712	3326	3102	3018	375
15°	3938	2836	2162	1776	1633	1117
25°	3941	2007	1144	994	947	1817
35°	3710	1117	765	740	731	2302
45°	2681	706	644	713	738	2039
55°	1230	504	497	558	580	1131
65°	492	317	312	357	369	506
75°	167	172	216	248	261	184
85°	22	79	152	199	214	30
90°	0	54	128	177	184	1
95°	0	39	106	145	152	0
105°	0	30	69	98	106	2
115°	2	25	52	71	76	2
125°	2	22	44	52	54	2
135°	2	17	34	42	44	2
145°	2	12	25	32	34	2
155°	2	7	15	22	25	1
165°	5	5	10	12	15	1
175°	5	5	5	5	2	0
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3894.0	3894.0	3894.0	3894.0	3894.0
1°	3926.0	3903.8	3852.2	3866.9	3864.5
2°	3926.0	3879.2	3778.4	3748.9	3704.6
3°	3928.4	3837.4	3665.2	3569.3	3507.8
4°	3928.4	3775.9	3498.0	3338.1	3259.3
5°	3928.4	3712.0	3325.8	3101.9	3018.3
6°	3923.5	3635.7	3151.1	2915.0	2789.5
7°	3930.9	3552.1	2993.7	2740.3	2641.9
8°	3928.4	3453.7	2848.5	2607.5	2499.2
9°	3935.8	3357.7	2691.1	2482.0	2400.8
10°	3928.4	3269.2	2587.8	2363.9	2280.3
11°	3928.4	3183.1	2514.0	2287.7	2216.4
12°	3933.4	3084.7	2432.8	2179.5	2081.1
13°	3945.7	2983.8	2339.3	2061.4	1945.8
14°	3948.1	2907.6	2253.3	1911.3	1790.8
15°	3938.3	2836.2	2162.2	1776.0	1633.4
16°	3933.4	2762.4	2054.0	1648.1	1520.2
17°	3943.2	2676.4	1931.0	1517.7	1399.7
18°	3945.7	2597.6	1800.6	1419.4	1316.0
19°	3945.7	2536.1	1694.9	1328.3	1239.8
20°	3945.7	2477.1	1586.6	1259.5	1183.2
21°	3940.7	2403.3	1463.6	1188.1	1124.2
22.5°	3943.2	2265.6	1323.4	1104.5	1052.8
23°	3935.8	2231.1	1289.0	1082.3	1028.2
24°	3938.3	2132.7	1215.2	1038.1	986.4
25°	3940.7	2007.3	1143.8	993.8	947.1
26°	3935.8	1906.4	1084.8	952.0	920.0
27°	3923.5	1825.2	1043.0	917.5	888.0
28°	3906.3	1717.0	998.7	888.0	861.0
29°	3889.1	1594.0	954.4	856.0	836.4
30°	3879.2	1495.6	912.6	831.4	814.2
32.5°	3820.2	1301.3	826.5	782.2	767.5
35°	3709.5	1116.8	765.0	740.4	730.6
37.5°	3564.4	974.1	718.3	713.4	715.8
40°	3325.8	861.0	683.8	706.0	728.1
42.5°	3040.4	772.4	659.2	713.4	738.0
45°	2681.3	706.0	644.5	713.4	738.0
47.5°	2282.8	651.9	627.3	688.8	713.4
50°	1884.3	602.7	592.8	651.9	674.0
52.5°	1532.5	555.9	548.6	605.1	627.3
55°	1229.9	504.3	496.9	558.4	580.5
57.5°	986.4	455.1	447.7	504.3	526.4
60°	787.2	405.9	393.6	450.2	472.3
62.5°	627.3	359.1	351.8	401.0	420.6
65°	492.0	317.3	312.4	356.7	369.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	388.7	278.0	280.4	317.3	332.1
70°	300.1	241.1	255.8	290.3	300.1
72.5°	226.3	204.2	236.1	265.7	278.0
75°	167.3	172.2	216.5	248.4	260.7
77.5°	115.6	142.7	199.3	233.7	246.0
80°	78.7	115.6	182.0	221.4	236.1
82.5°	46.7	95.9	167.3	209.1	226.3
85°	22.1	78.7	152.5	199.3	214.0
87.5°	7.4	64.0	137.8	189.4	201.7
90°	0.0	54.1	127.9	177.1	184.5
92.5°	0.0	46.7	115.6	162.4	167.3
95°	0.0	39.4	105.8	145.1	152.5
97.5°	0.0	36.9	98.4	130.4	140.2
100°	0.0	34.4	88.6	118.1	127.9
102.5°	0.0	29.5	78.7	105.8	115.6
105°	0.0	29.5	68.9	98.4	105.8
107.5°	2.5	27.1	64.0	88.6	98.4
110°	2.5	27.1	56.6	83.6	91.0
112.5°	2.5	27.1	54.1	76.3	86.1
115°	2.5	24.6	51.7	71.3	76.3
117.5°	2.5	24.6	49.2	64.0	68.9
120°	2.5	22.1	46.7	59.0	61.5
122.5°	2.5	22.1	44.3	54.1	56.6
125°	2.5	22.1	44.3	51.7	54.1
127.5°	2.5	19.7	41.8	49.2	49.2
130°	2.5	19.7	39.4	46.7	46.7
132.5°	2.5	17.2	36.9	44.3	46.7
135°	2.5	17.2	34.4	41.8	44.3
137.5°	2.5	14.8	32.0	39.4	41.8
140°	2.5	14.8	29.5	36.9	39.4
142.5°	2.5	12.3	27.1	34.4	36.9
145°	2.5	12.3	24.6	32.0	34.4
147.5°	2.5	12.3	22.1	29.5	32.0
150°	2.5	9.8	19.7	27.1	29.5
152.5°	2.5	9.8	17.2	24.6	27.1
155°	2.5	7.4	14.8	22.1	24.6
157.5°	2.5	7.4	14.8	19.7	22.1
160°	4.9	7.4	12.3	17.2	19.7
162.5°	2.5	4.9	12.3	14.8	17.2
165°	4.9	4.9	9.8	12.3	14.8
167.5°	4.9	4.9	7.4	9.8	12.3
170°	4.9	4.9	7.4	7.4	9.8
172.5°	4.9	4.9	4.9	7.4	4.9
175°	4.9	4.9	4.9	4.9	2.5
177.5°	4.9	4.9	4.9	4.9	2.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)