

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: P567069

Luminaire Tested: **4SNX-SL3-LC-UNV-CC83-CD-4000K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567069
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-4000K-MED
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, MED LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

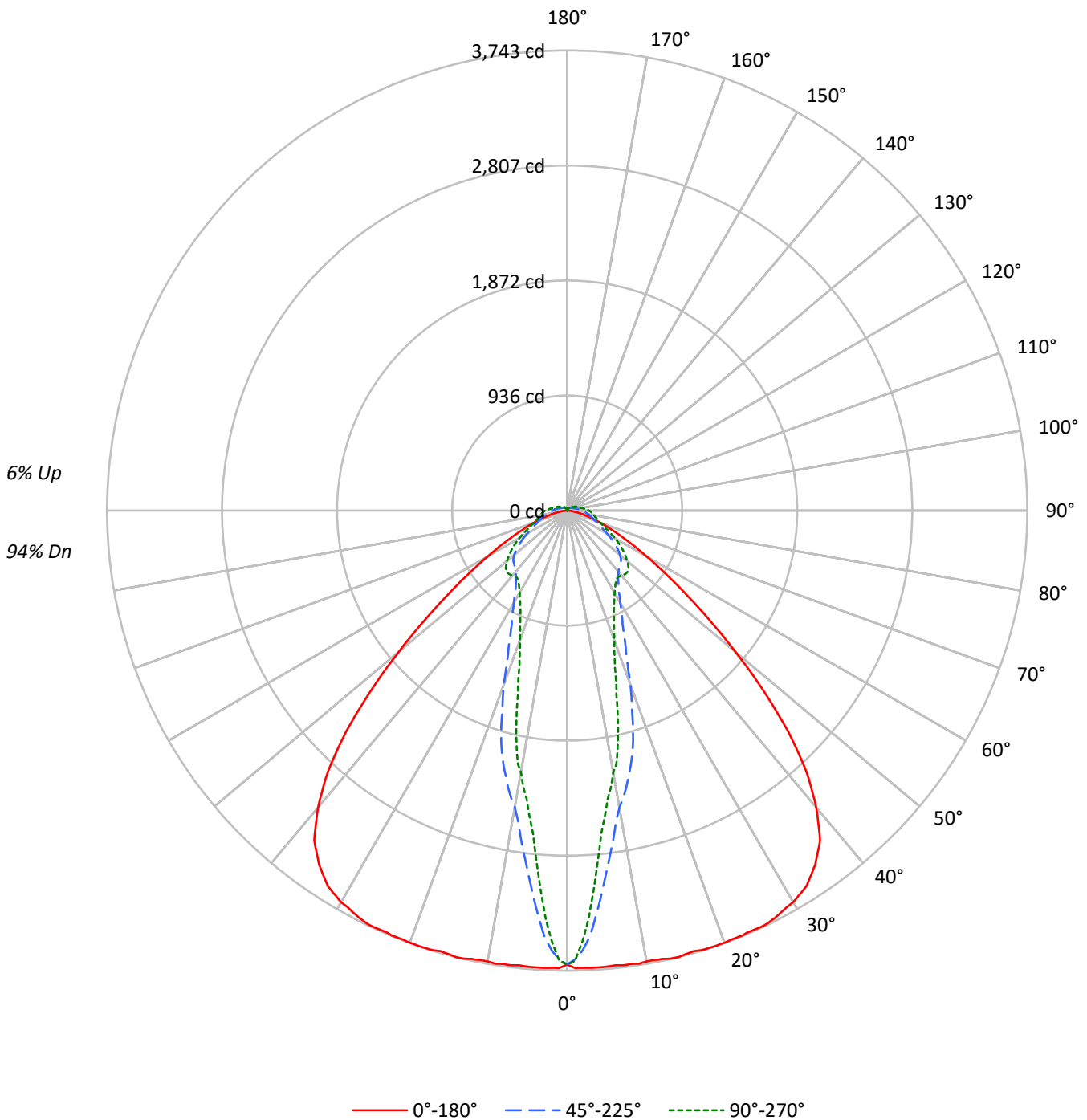
Lumens per Lamp: N/A
Luminaire Lumens: 4551.0 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 32.274
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°	39740	39740	39740
5°	40098	32640	29217
10°	40413	24641	21145
15°	41151	20142	14642
20°	42212	14574	10341
25°	43529	10441	8135
30°	44640	8342	6928
35°	44906	7056	6205
40°	42810	6415	6221
45°	37151	6198	6391
50°	28501	5894	5963
55°	20654	5154	5291
60°	14985	4302	4474
65°	10907	3637	3667
70°	8034	3213	3162
75°	5708	2974	2947
80°	3740	2786	2903
85°	1757	2656	2907



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.3	6.4
10°-20°	630.5	13.9
20°-30°	721.7	15.9
30°-40°	723.0	15.9
40°-50°	684.4	15.0
50°-60°	524.9	11.5
60°-70°	338.3	7.4
70°-80°	215.8	4.7
80°-90°	143.3	3.1
90°-100°	96.3	2.1
100°-110°	63.5	1.4
110°-120°	44.1	1.0
120°-130°	30.8	0.7
130°-140°	21.4	0.5
140°-150°	13.1	0.3
150°-160°	6.6	0.1
160°-170°	2.6	0.1
170°-180°	0.5	0.0
0°-30°	1642.5	36.1
0°-40°	2365.5	52.0
0°-60°	3574.8	78.6
0°-90°	4272.2	93.9
90°-120°	203.9	4.5
90°-150°	269.1	5.9
90°-180°	279.0	6.1
0°-180°	4551.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3692	3692	3692	3692	3692	
5°	3725	3519	3153	2941	2862	356
15°	3734	2689	2050	1684	1549	1059
25°	3736	1903	1084	942	898	1722
35°	3517	1059	725	702	693	2182
45°	2542	669	611	676	700	1933
55°	1166	478	471	529	550	1072
65°	466	301	296	338	350	480
75°	159	163	205	236	247	174
85°	21	75	145	189	203	29
90°	0	51	121	168	175	1
95°	0	37	100	138	145	0
105°	0	28	65	93	100	2
115°	2	23	49	68	72	2
125°	2	21	42	49	51	2
135°	2	16	33	40	42	2
145°	2	12	23	30	33	1
155°	2	7	14	21	23	1
165°	5	5	9	12	14	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°	3692.0	3692.0	3692.0	3692.0	3692.0
1°	3722.3	3701.3	3652.3	3666.3	3664.0
2°	3722.3	3678.0	3582.4	3554.4	3512.4
3°	3724.6	3638.3	3475.1	3384.1	3325.8
4°	3724.6	3580.0	3316.5	3164.9	3090.3
5°	3724.6	3519.4	3153.2	2941.0	2861.7
6°	3720.0	3447.1	2987.6	2763.7	2644.8
7°	3727.0	3367.8	2838.4	2598.2	2504.9
8°	3724.6	3274.5	2700.8	2472.2	2369.6
9°	3731.6	3183.6	2551.5	2353.3	2276.3
10°	3724.6	3099.6	2453.6	2241.3	2162.0
11°	3724.6	3018.0	2383.6	2169.0	2101.4
12°	3729.3	2924.7	2306.6	2066.4	1973.1
13°	3741.0	2829.1	2218.0	1954.4	1844.8
14°	3743.3	2756.7	2136.4	1812.2	1697.9
15°	3734.0	2689.1	2050.1	1683.9	1548.6
16°	3729.3	2619.1	1947.5	1562.6	1441.3
17°	3738.6	2537.5	1830.8	1439.0	1327.1
18°	3741.0	2462.9	1707.2	1345.7	1247.8
19°	3741.0	2404.6	1606.9	1259.4	1175.5
20°	3741.0	2348.6	1504.3	1194.1	1121.8
21°	3736.3	2278.6	1387.7	1126.5	1065.8
22.5°	3738.6	2148.0	1254.8	1047.2	998.2
23°	3731.6	2115.4	1222.1	1026.2	974.9
24°	3734.0	2022.1	1152.1	984.2	935.2
25°	3736.3	1903.1	1084.5	942.2	897.9
26°	3731.6	1807.5	1028.5	902.6	872.3
27°	3720.0	1730.5	988.9	869.9	842.0
28°	3703.7	1627.9	946.9	842.0	816.3
29°	3687.3	1511.3	904.9	811.6	793.0
30°	3678.0	1418.0	865.3	788.3	772.0
32.5°	3622.0	1233.8	783.6	741.7	727.7
35°	3517.1	1058.9	725.3	702.0	692.7
37.5°	3379.5	923.6	681.0	676.4	678.7
40°	3153.2	816.3	648.4	669.4	690.4
42.5°	2882.7	732.3	625.0	676.4	699.7
45°	2542.2	669.4	611.1	676.4	699.7
47.5°	2164.4	618.1	594.7	653.0	676.4
50°	1786.5	571.4	562.1	618.1	639.0
52.5°	1453.0	527.1	520.1	573.7	594.7
55°	1166.1	478.1	471.1	529.4	550.4
57.5°	935.2	431.5	424.5	478.1	499.1
60°	746.3	384.8	373.2	426.8	447.8
62.5°	594.7	340.5	333.5	380.2	398.8
65°	466.5	300.9	296.2	338.2	349.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	368.5	263.5	265.9	300.9	314.9
70°	284.5	228.6	242.6	275.2	284.5
72.5°	214.6	193.6	223.9	251.9	263.5
75°	158.6	163.3	205.2	235.6	247.2
77.5°	109.6	135.3	188.9	221.6	233.2
80°	74.6	109.6	172.6	209.9	223.9
82.5°	44.3	91.0	158.6	198.2	214.6
85°	21.0	74.6	144.6	188.9	202.9
87.5°	7.0	60.6	130.6	179.6	191.2
90°	0.0	51.3	121.3	167.9	174.9
92.5°	0.0	44.3	109.6	153.9	158.6
95°	0.0	37.3	100.3	137.6	144.6
97.5°	0.0	35.0	93.3	123.6	132.9
100°	0.0	32.7	84.0	111.9	121.3
102.5°	0.0	28.0	74.6	100.3	109.6
105°	0.0	28.0	65.3	93.3	100.3
107.5°	2.3	25.7	60.6	84.0	93.3
110°	2.3	25.7	53.6	79.3	86.3
112.5°	2.3	25.7	51.3	72.3	81.6
115°	2.3	23.3	49.0	67.6	72.3
117.5°	2.3	23.3	46.6	60.6	65.3
120°	2.3	21.0	44.3	56.0	58.3
122.5°	2.3	21.0	42.0	51.3	53.6
125°	2.3	21.0	42.0	49.0	51.3
127.5°	2.3	18.7	39.6	46.6	46.6
130°	2.3	18.7	37.3	44.3	44.3
132.5°	2.3	16.3	35.0	42.0	44.3
135°	2.3	16.3	32.7	39.6	42.0
137.5°	2.3	14.0	30.3	37.3	39.6
140°	2.3	14.0	28.0	35.0	37.3
142.5°	2.3	11.7	25.7	32.7	35.0
145°	2.3	11.7	23.3	30.3	32.7
147.5°	2.3	11.7	21.0	28.0	30.3
150°	2.3	9.3	18.7	25.7	28.0
152.5°	2.3	9.3	16.3	23.3	25.7
155°	2.3	7.0	14.0	21.0	23.3
157.5°	2.3	7.0	14.0	18.7	21.0
160°	4.7	7.0	11.7	16.3	18.7
162.5°	2.3	4.7	11.7	14.0	16.3
165°	4.7	4.7	9.3	11.7	14.0
167.5°	4.7	4.7	7.0	9.3	11.7
170°	4.7	4.7	7.0	7.0	9.3
172.5°	4.7	4.7	4.7	7.0	4.7
175°	4.7	4.7	4.7	4.7	2.3
177.5°	4.7	4.7	4.7	4.7	2.3



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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)