

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: P567067

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567067
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-HI
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, HI LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

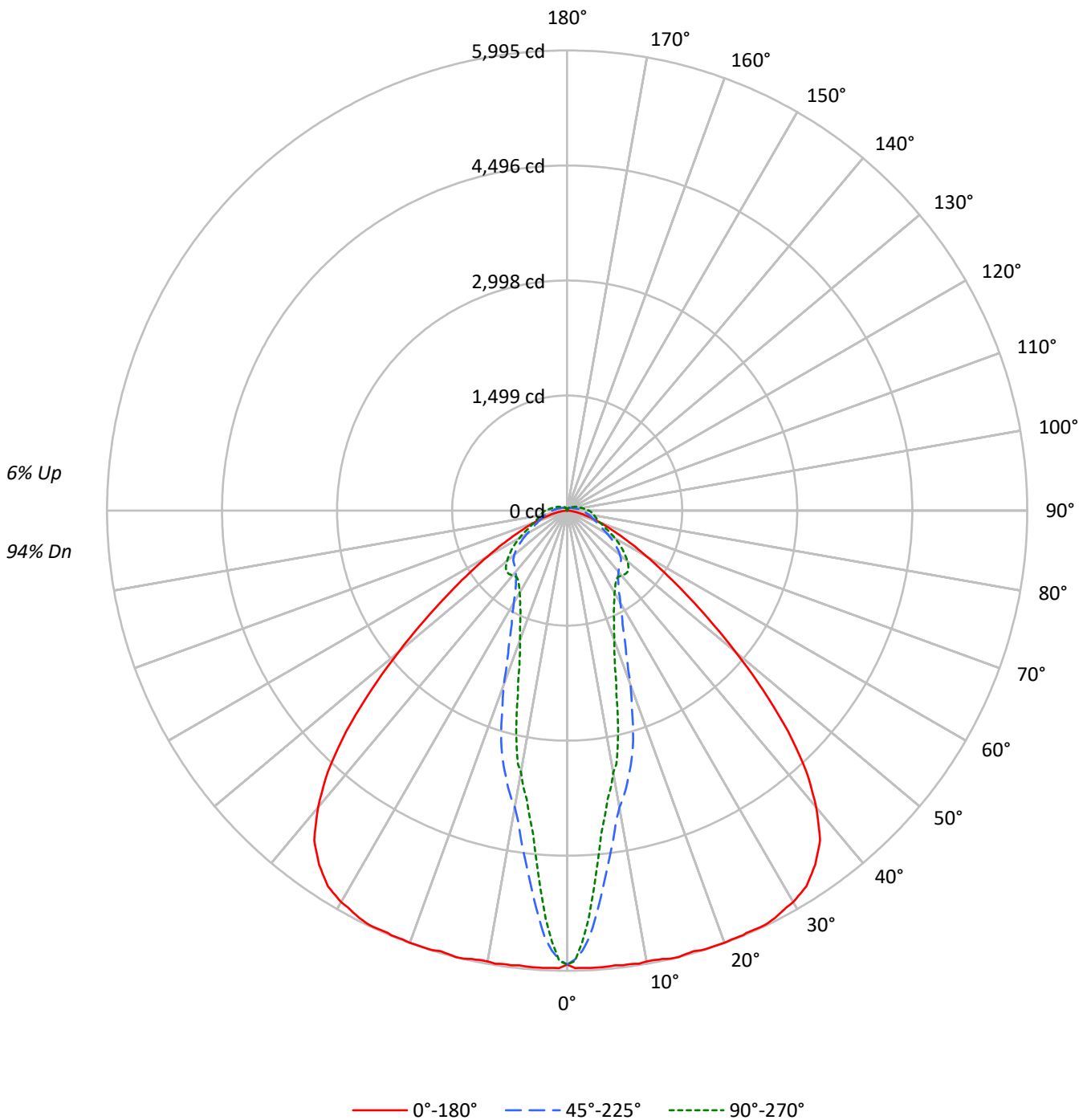
Lumens per Lamp: N/A
Luminaire Lumens: 7289.0 lumens
Efficiency: N/A
Efficacy: 149.1 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 48.9
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	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°	63649	63649	63649
5°	64223	52278	46794
10°	64727	39466	33866
15°	65907	32259	23450
20°	67607	23343	16562
25°	69718	16724	13029
30°	71497	13361	11096
35°	71921	11301	9938
40°	68566	10274	9963
45°	59501	9926	10235
50°	45648	9440	9551
55°	33081	8256	8475
60°	24000	6890	7166
65°	17468	5825	5873
70°	12868	5146	5065
75°	9142	4764	4722
80°	5992	4461	4649
85°	2811	4253	4656



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.0	6.4
10°-20°	1009.8	13.9
20°-30°	1155.9	15.9
30°-40°	1158.0	15.9
40°-50°	1096.2	15.0
50°-60°	840.7	11.5
60°-70°	541.9	7.4
70°-80°	345.6	4.7
80°-90°	229.5	3.1
90°-100°	154.2	2.1
100°-110°	101.6	1.4
110°-120°	70.7	1.0
120°-130°	49.3	0.7
130°-140°	34.2	0.5
140°-150°	21.0	0.3
150°-160°	10.6	0.1
160°-170°	4.1	0.1
170°-180°	0.8	0.0
0°-30°	2630.7	36.1
0°-40°	3788.7	52.0
0°-60°	5725.5	78.6
0°-90°	6842.4	93.9
90°-120°	326.6	4.5
90°-150°	431.1	5.9
90°-180°	447.0	6.1
0°-180°	7289.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5913	5913	5913	5913	5913	
5°	5966	5637	5050	4710	4583	570
15°	5980	4307	3283	2697	2480	1696
25°	5984	3048	1737	1509	1438	2759
35°	5633	1696	1162	1124	1109	3495
45°	4072	1072	979	1083	1121	3096
55°	1868	766	755	848	882	1717
65°	747	482	474	542	560	768
75°	254	262	329	377	396	279
85°	34	120	232	303	325	46
90°	0	82	194	269	280	2
95°	0	60	161	220	232	0
105°	0	45	105	149	161	2
115°	4	37	78	108	116	4
125°	4	34	67	78	82	3
135°	4	26	52	64	67	3
145°	4	19	37	49	52	2
155°	4	11	22	34	37	2
165°	8	8	15	19	22	2
175°	8	8	8	8	4	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5913.2	5913.2	5913.2	5913.2	5913.2
1°	5961.8	5928.1	5849.7	5872.1	5868.4
2°	5961.8	5890.8	5737.6	5692.8	5625.6
3°	5965.5	5827.3	5565.8	5420.1	5326.7
4°	5965.5	5733.9	5311.8	5069.0	4949.4
5°	5965.5	5636.8	5050.3	4710.4	4583.4
6°	5958.0	5521.0	4785.1	4426.5	4236.0
7°	5969.2	5394.0	4546.0	4161.3	4011.9
8°	5965.5	5244.5	4325.6	3959.6	3795.2
9°	5976.7	5098.9	4086.6	3769.1	3645.8
10°	5965.5	4964.4	3929.7	3589.8	3462.7
11°	5965.5	4833.7	3817.6	3474.0	3365.6
12°	5973.0	4684.2	3694.3	3309.6	3160.2
13°	5991.6	4531.1	3552.4	3130.3	2954.7
14°	5995.4	4415.3	3421.7	2902.4	2719.4
15°	5980.4	4307.0	3283.4	2697.0	2480.3
16°	5973.0	4194.9	3119.1	2502.7	2308.5
17°	5987.9	4064.2	2932.3	2304.8	2125.5
18°	5991.6	3944.6	2734.3	2155.3	1998.5
19°	5991.6	3851.2	2573.7	2017.1	1882.7
20°	5991.6	3761.6	2409.4	1912.5	1796.7
21°	5984.2	3649.5	2222.6	1804.2	1707.1
22.5°	5987.9	3440.3	2009.7	1677.2	1598.8
23°	5976.7	3388.0	1957.4	1643.6	1561.4
24°	5980.4	3238.6	1845.3	1576.4	1497.9
25°	5984.2	3048.1	1737.0	1509.1	1438.1
26°	5976.7	2895.0	1647.3	1445.6	1397.1
27°	5958.0	2771.7	1583.8	1393.3	1348.5
28°	5931.9	2607.3	1516.6	1348.5	1307.4
29°	5905.7	2420.6	1449.3	1299.9	1270.0
30°	5890.8	2271.1	1385.8	1262.6	1236.4
32.5°	5801.1	1976.0	1255.1	1187.9	1165.5
35°	5633.0	1695.9	1161.7	1124.4	1109.4
37.5°	5412.6	1479.2	1090.7	1083.3	1087.0
40°	5050.3	1307.4	1038.5	1072.1	1105.7
42.5°	4617.0	1172.9	1001.1	1083.3	1120.6
45°	4071.6	1072.1	978.7	1083.3	1120.6
47.5°	3466.5	989.9	952.5	1045.9	1083.3
50°	2861.3	915.2	900.2	989.9	1023.5
52.5°	2327.2	844.2	833.0	918.9	952.5
55°	1867.7	765.8	754.6	847.9	881.6
57.5°	1497.9	691.1	679.8	765.8	799.4
60°	1195.3	616.3	597.7	683.6	717.2
62.5°	952.5	545.4	534.2	608.9	638.8
65°	747.1	481.9	474.4	541.6	560.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	590.2	422.1	425.8	481.9	504.3
70°	455.7	366.1	388.5	440.8	455.7
72.5°	343.7	310.0	358.6	403.4	422.1
75°	254.0	261.5	328.7	377.3	396.0
77.5°	175.6	216.7	302.6	354.9	373.5
80°	119.5	175.6	276.4	336.2	358.6
82.5°	71.0	145.7	254.0	317.5	343.7
85°	33.6	119.5	231.6	302.6	325.0
87.5°	11.2	97.1	209.2	287.6	306.3
90°	0.0	82.2	194.2	269.0	280.2
92.5°	0.0	71.0	175.6	246.5	254.0
95°	0.0	59.8	160.6	220.4	231.6
97.5°	0.0	56.0	149.4	198.0	212.9
100°	0.0	52.3	134.5	179.3	194.2
102.5°	0.0	44.8	119.5	160.6	175.6
105°	0.0	44.8	104.6	149.4	160.6
107.5°	3.7	41.1	97.1	134.5	149.4
110°	3.7	41.1	85.9	127.0	138.2
112.5°	3.7	41.1	82.2	115.8	130.7
115°	3.7	37.4	78.4	108.3	115.8
117.5°	3.7	37.4	74.7	97.1	104.6
120°	3.7	33.6	71.0	89.7	93.4
122.5°	3.7	33.6	67.2	82.2	85.9
125°	3.7	33.6	67.2	78.4	82.2
127.5°	3.7	29.9	63.5	74.7	74.7
130°	3.7	29.9	59.8	71.0	71.0
132.5°	3.7	26.1	56.0	67.2	71.0
135°	3.7	26.1	52.3	63.5	67.2
137.5°	3.7	22.4	48.6	59.8	63.5
140°	3.7	22.4	44.8	56.0	59.8
142.5°	3.7	18.7	41.1	52.3	56.0
145°	3.7	18.7	37.4	48.6	52.3
147.5°	3.7	18.7	33.6	44.8	48.6
150°	3.7	14.9	29.9	41.1	44.8
152.5°	3.7	14.9	26.1	37.4	41.1
155°	3.7	11.2	22.4	33.6	37.4
157.5°	3.7	11.2	22.4	29.9	33.6
160°	7.5	11.2	18.7	26.1	29.9
162.5°	3.7	7.5	18.7	22.4	26.1
165°	7.5	7.5	14.9	18.7	22.4
167.5°	7.5	7.5	11.2	14.9	18.7
170°	7.5	7.5	11.2	11.2	14.9
172.5°	7.5	7.5	7.5	11.2	7.5
175°	7.5	7.5	7.5	7.5	3.7
177.5°	7.5	7.5	7.5	7.5	3.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.5	7.5	7.5	7.5	7.5

(END OF REPORT)