

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: P565874

Luminaire Tested: **2SNX-SL3-LN-UNV-CC83-CD-4000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565874
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: 2SNX-SL3-LN-UNV-CC83-CD-4000K-LOW
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, LOW LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

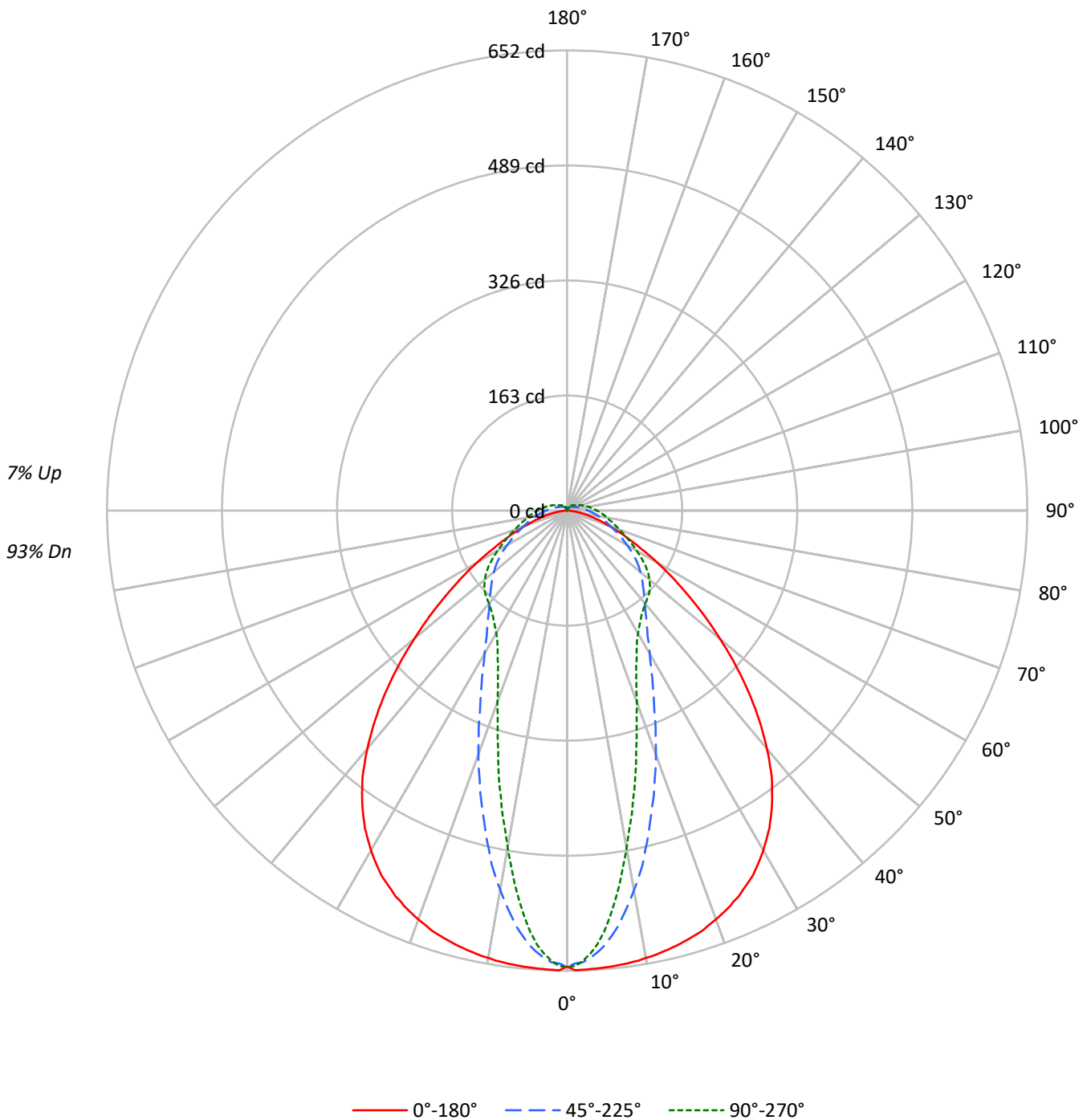
Lumens per Lamp: N/A
Luminaire Lumens: 1030.0 lumens
Efficiency: N/A
Efficacy: 156.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 6.6
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	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°	13909	13909	13909
5°	13932	12753	12235
10°	13863	10909	9493
15°	13804	8881	7114
20°	13708	7059	5324
25°	13527	5521	4226
30°	13187	4459	3604
35°	12572	3766	3279
40°	11570	3318	3103
45°	10224	3028	3007
50°	8600	2781	2841
55°	7007	2514	2596
60°	5546	2204	2276
65°	4244	1930	1981
70°	3237	1701	1752
75°	2430	1522	1595
80°	1633	1386	1483
85°	822	1284	1424



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	5.6
10°-20°	134.1	13.0
20°-30°	159.2	15.5
30°-40°	160.2	15.6
40°-50°	148.9	14.5
50°-60°	122.6	11.9
60°-70°	86.4	8.4
70°-80°	56.4	5.5
80°-90°	36.0	3.5
90°-100°	23.6	2.3
100°-110°	16.0	1.6
110°-120°	11.0	1.1
120°-130°	7.6	0.7
130°-140°	5.1	0.5
140°-150°	3.2	0.3
150°-160°	1.6	0.2
160°-170°	0.6	0.1
170°-180°	0.1	0.0
0°-30°	350.6	34.0
0°-40°	510.7	49.6
0°-60°	782.2	75.9
0°-90°	961.1	93.3
90°-120°	50.7	4.9
90°-150°	66.6	6.5
90°-180°	69.0	6.7
0°-180°	1030.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	646	646	646	646	646	
5°	649	641	618	606	599	62
15°	633	566	455	398	376	179
25°	592	437	290	244	233	272
35°	506	296	196	184	183	315
45°	364	195	152	160	165	279
55°	209	128	118	131	135	189
65°	98	77	81	91	94	100
75°	38	40	54	64	67	41
85°	6	18	37	48	50	8
90°	0	12	30	40	42	0
95°	0	9	25	34	36	0
105°	0	6	17	24	26	0
115°	0	5	12	17	18	0
125°	0	4	10	12	14	0
135°	0	4	8	10	10	0
145°	0	3	5	8	8	0
155°	0	2	4	5	6	0
165°	0	1	2	3	3	0
175°	1	1	1	1	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	646.1	646.1	646.1	646.1	646.1
1°	651.5	648.8	641.8	646.7	645.6
2°	651.0	648.3	640.2	642.4	638.6
3°	650.5	646.7	634.3	633.7	628.3
4°	649.9	644.0	626.7	620.2	615.9
5°	649.4	640.8	617.5	605.7	599.2
6°	648.8	637.0	605.7	587.9	578.7
7°	647.8	631.0	593.2	569.0	557.1
8°	646.7	625.6	577.6	548.4	533.9
9°	645.6	618.6	561.9	526.3	509.0
10°	643.5	611.6	545.7	503.6	485.3
11°	642.4	603.5	530.1	482.0	460.5
12°	640.2	594.9	513.4	459.4	440.5
13°	638.1	585.7	492.8	439.9	417.3
14°	635.9	576.0	475.0	418.4	397.3
15°	633.2	565.7	455.1	397.8	376.2
16°	630.5	553.8	437.2	376.8	354.1
17°	627.8	542.5	420.5	357.4	336.8
18°	624.6	531.2	401.1	338.5	318.5
19°	620.2	518.2	385.4	321.2	302.8
20°	616.5	506.3	367.6	305.0	288.8
21°	612.1	491.8	349.8	289.9	273.7
22.5°	605.7	471.3	327.1	271.0	255.9
23°	602.4	465.3	317.9	264.0	251.0
24°	598.1	449.7	302.8	253.2	240.2
25°	591.6	437.2	289.9	243.5	233.2
26°	585.7	422.1	276.9	234.8	224.6
27°	579.8	407.6	265.6	225.6	217.0
28°	572.2	392.4	253.2	218.1	210.5
29°	564.1	378.4	242.9	211.6	205.7
30°	556.0	362.8	234.3	205.7	200.8
32.5°	533.3	328.2	212.1	194.3	191.1
35°	506.3	295.8	196.5	184.1	183.0
37.5°	476.1	266.1	182.5	176.0	177.1
40°	440.5	239.1	170.6	170.0	172.2
42.5°	402.7	215.9	161.4	165.2	168.4
45°	363.8	194.9	152.2	160.3	164.6
47.5°	323.3	176.5	144.1	154.4	159.2
50°	282.3	158.7	135.5	147.4	152.2
52.5°	245.6	143.0	126.9	139.3	144.7
55°	208.9	127.9	117.7	130.6	135.0
57.5°	177.1	113.9	108.0	120.9	124.2
60°	147.4	100.4	98.2	110.1	113.9
62.5°	120.4	88.5	89.1	100.4	104.2
65°	98.2	77.2	81.0	91.2	94.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	79.9	66.4	72.9	83.7	86.4
70°	63.2	56.7	66.4	76.1	78.8
72.5°	50.2	48.0	59.9	70.2	72.3
75°	38.3	39.9	54.5	64.2	66.9
77.5°	27.5	33.5	49.1	59.4	61.5
80°	19.4	27.5	44.8	55.1	57.2
82.5°	12.4	22.7	40.5	51.3	53.4
85°	6.5	18.4	36.7	47.5	49.7
87.5°	2.7	15.1	32.9	43.7	45.9
90°	0.0	12.4	29.7	40.5	42.1
92.5°	0.0	10.8	27.0	37.2	38.9
95°	0.0	9.2	24.8	34.0	35.6
97.5°	0.0	8.6	22.1	31.3	32.9
100°	0.0	7.6	20.0	28.6	30.8
102.5°	0.0	7.0	18.4	25.9	28.1
105°	0.0	6.5	16.7	23.8	25.9
107.5°	0.0	5.9	15.7	22.1	23.8
110°	0.0	5.9	14.0	20.5	22.1
112.5°	0.5	5.4	13.0	18.4	20.0
115°	0.5	5.4	11.9	17.3	18.4
117.5°	0.5	5.4	11.3	15.7	16.7
120°	0.5	4.9	10.8	14.6	15.7
122.5°	0.5	4.9	10.3	13.5	14.0
125°	0.5	4.3	9.7	12.4	13.5
127.5°	0.5	4.3	9.2	11.9	12.4
130°	0.5	4.3	8.6	10.8	11.9
132.5°	0.5	3.8	8.1	10.3	10.8
135°	0.5	3.8	7.6	9.7	10.3
137.5°	0.5	3.2	7.0	9.2	9.7
140°	0.5	3.2	6.5	8.6	9.2
142.5°	0.5	2.7	5.9	8.1	8.6
145°	0.5	2.7	5.4	7.6	8.1
147.5°	0.5	2.7	4.9	7.0	7.6
150°	0.5	2.2	4.3	6.5	7.0
152.5°	0.5	2.2	3.8	5.9	6.5
155°	0.5	2.2	3.8	5.4	5.9
157.5°	0.5	1.6	3.2	4.3	5.4
160°	0.5	1.6	2.7	3.8	4.9
162.5°	0.5	1.6	2.7	3.2	3.8
165°	0.5	1.1	2.2	2.7	3.2
167.5°	0.5	1.1	1.6	2.2	2.7
170°	0.5	1.1	1.6	1.6	2.2
172.5°	0.5	1.1	1.1	1.1	1.1
175°	1.1	1.1	1.1	1.1	0.5
177.5°	1.1	1.1	1.1	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)