

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: P565898

Luminaire Tested: **2SNX-SL3-LW-UNV-CC93-CD-3500K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565898
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-SL3-LW-UNV-CC93-CD-3500K-LOW
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, LOW LUMEN SETTING, AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

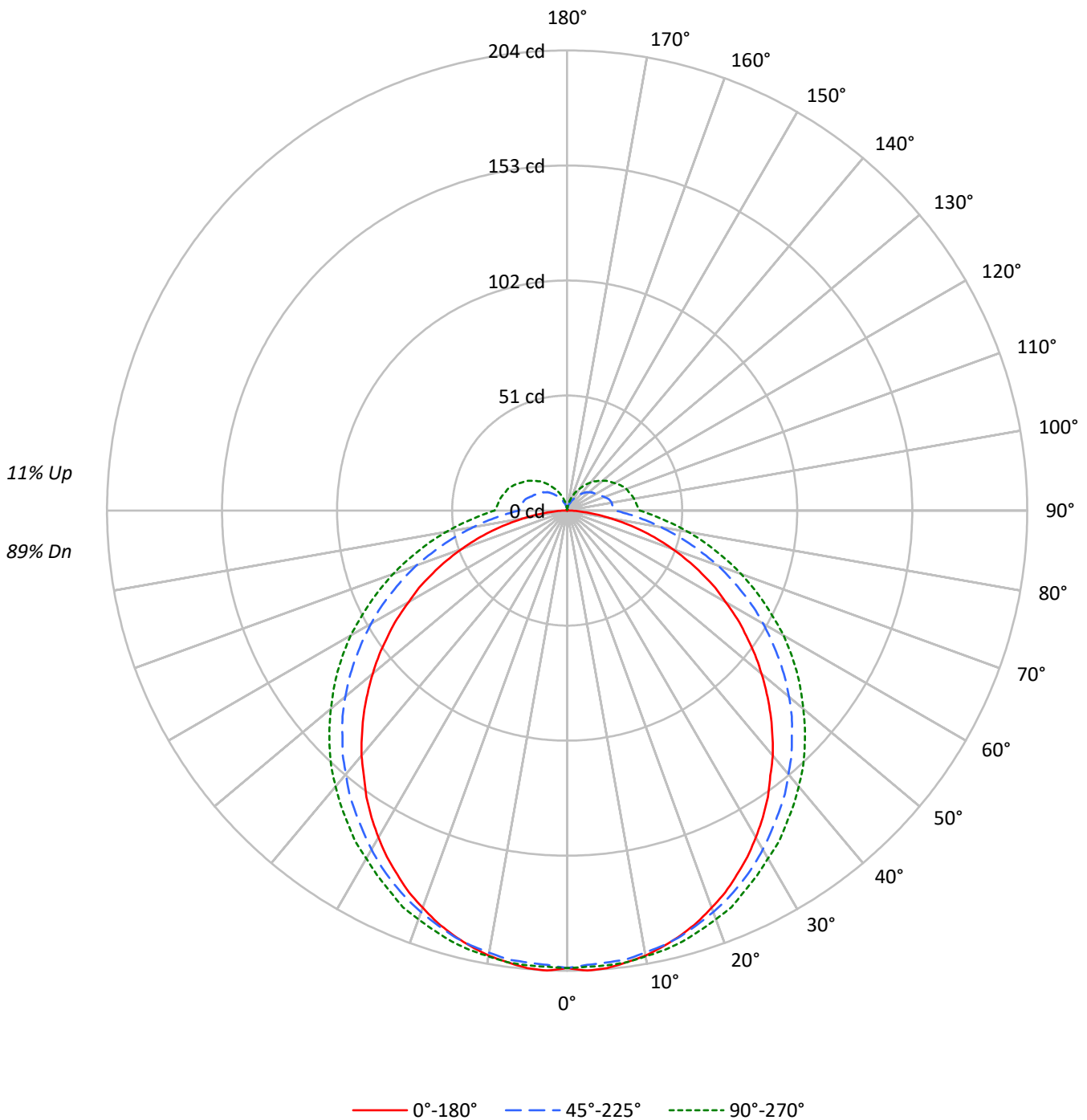
Lumens per Lamp: N/A
Luminaire Lumens: 722.0 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 6.93
Input Voltage (V): NR
Input Current (A_{in}): 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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4366	4366	4366
5°	4368	4153	4133
10°	4315	3978	3926
15°	4249	3811	3740
20°	4165	3637	3554
25°	4072	3472	3372
30°	3968	3302	3197
35°	3851	3133	3035
40°	3725	2968	2878
45°	3583	2803	2720
50°	3427	2635	2551
55°	3253	2447	2388
60°	3051	2253	2214
65°	2839	2043	2017
70°	2551	1821	1823
75°	2176	1563	1614
80°	1616	1305	1411
85°	949	1067	1198



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.3	2.7
10°-20°	55.4	7.7
20°-30°	84.2	11.7
30°-40°	102.2	14.2
40°-50°	108.0	15.0
50°-60°	101.1	14.0
60°-70°	82.9	11.5
70°-80°	57.0	7.9
80°-90°	31.2	4.3
90°-100°	20.1	2.8
100°-110°	18.0	2.5
110°-120°	14.9	2.1
120°-130°	11.5	1.6
130°-140°	8.1	1.1
140°-150°	4.9	0.7
150°-160°	2.3	0.3
160°-170°	0.8	0.1
170°-180°	0.1	0.0
0°-30°	158.8	22.0
0°-40°	261.0	36.2
0°-60°	470.1	65.1
0°-90°	641.3	88.8
90°-120°	53.1	7.4
90°-150°	77.5	10.7
90°-180°	81.0	11.2
0°-180°	722.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	203	203	203	203	203	
5°	204	203	201	203	202	19
15°	195	196	195	198	198	55
25°	178	180	182	186	186	82
35°	155	159	164	168	169	97
45°	128	133	141	147	149	98
55°	97	105	115	122	124	87
65°	66	74	86	94	96	65
75°	34	44	56	65	68	36
85°	8	18	30	39	42	9
90°	0	10	21	29	32	1
95°	0	10	20	28	31	0
105°	0	8	19	26	29	0
115°	0	7	16	23	26	0
125°	0	6	14	20	23	0
135°	0	5	11	16	18	0
145°	0	3	8	12	14	0
155°	0	2	5	8	9	0
165°	0	1	2	4	5	0
175°	0	0	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°	202.8	202.8	202.8	202.8	202.8
2.5°	204.1	203.6	201.6	203.2	202.4
5°	203.6	203.2	201.1	202.8	202.4
7.5°	202.0	202.0	200.7	202.4	202.0
10°	200.3	200.3	199.0	201.1	200.7
12.5°	197.8	198.2	197.4	199.9	199.5
15°	194.9	195.7	195.3	197.8	197.8
17.5°	191.5	192.4	192.4	195.3	195.3
20°	187.3	188.6	189.4	192.8	192.8
22.5°	183.2	184.8	186.1	189.0	190.3
25°	178.1	180.2	182.3	186.1	186.1
27.5°	173.1	175.6	178.1	181.9	182.3
30°	167.3	170.2	173.5	177.3	178.1
32.5°	161.4	165.2	168.5	173.1	174.4
35°	155.1	158.9	163.5	168.1	169.4
37.5°	148.0	152.6	158.5	163.5	164.8
40°	141.8	146.8	152.6	158.5	159.7
42.5°	134.7	140.1	147.2	152.6	154.7
45°	127.5	133.4	140.9	147.2	148.9
47.5°	120.0	126.7	135.1	140.9	143.0
50°	112.5	119.6	128.4	135.1	136.7
52.5°	105.0	112.5	121.7	128.4	130.5
55°	97.0	105.0	114.6	121.7	124.2
57.5°	89.5	97.4	107.5	115.0	117.5
60°	81.1	90.3	100.4	107.9	110.8
62.5°	74.0	82.4	93.3	100.8	103.3
65°	65.7	74.4	85.7	93.7	96.2
67.5°	57.7	66.9	78.2	86.6	89.1
70°	49.8	59.0	71.1	79.0	82.0
72.5°	41.8	51.4	63.1	71.9	74.9
75°	34.3	43.5	56.0	64.8	67.7
77.5°	26.3	36.4	48.9	57.7	61.1
80°	19.2	29.7	42.2	51.0	54.4
82.5°	13.0	23.4	36.0	44.7	48.1
85°	7.5	18.0	30.5	38.9	41.8
87.5°	3.8	13.8	25.5	33.9	36.8
90°	0.0	10.0	21.3	29.3	32.2
92.5°	0.0	9.6	20.9	28.4	31.4
95°	0.0	9.6	20.5	28.0	30.9
97.5°	0.0	9.2	20.1	28.0	30.5
100°	0.0	8.8	20.1	27.6	30.1
102.5°	0.0	8.4	19.7	27.2	29.7
105°	0.0	7.9	19.2	26.3	28.9
107.5°	0.4	7.9	18.4	25.9	28.4
110°	0.4	7.5	17.6	25.5	28.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	7.1	16.7	24.7	27.2
115°	0.4	7.1	16.3	23.4	26.3
117.5°	0.4	6.7	15.5	22.6	25.5
120°	0.4	6.7	15.1	21.7	24.3
122.5°	0.4	6.3	14.2	20.9	23.4
125°	0.4	5.9	13.8	20.1	22.6
127.5°	0.4	5.4	13.4	19.2	21.7
130°	0.4	5.0	12.5	18.4	20.5
132.5°	0.4	5.0	12.1	17.1	19.7
135°	0.4	4.6	11.3	16.3	18.4
137.5°	0.4	4.2	10.5	15.5	17.6
140°	0.4	3.8	9.6	14.6	16.3
142.5°	0.4	3.8	8.8	13.4	15.1
145°	0.4	3.3	7.9	12.5	13.8
147.5°	0.4	2.9	7.1	11.3	12.5
150°	0.4	2.9	6.3	10.0	11.3
152.5°	0.4	2.5	5.4	9.2	10.5
155°	0.4	2.1	5.0	7.9	9.2
157.5°	0.4	2.1	4.2	6.7	7.9
160°	0.4	1.7	3.8	5.4	6.7
162.5°	0.4	1.7	3.3	4.6	5.9
165°	0.4	1.3	2.5	3.8	4.6
167.5°	0.4	1.3	2.1	2.9	3.8
170°	0.4	0.8	1.7	2.1	2.9
172.5°	0.4	0.8	1.3	1.3	1.3
175°	0.4	0.4	0.8	0.8	0.4
177.5°	0.4	0.4	0.4	0.4	0.4
180°	0.4	0.4	0.4	0.4	0.4

(END OF REPORT)