

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: P565907

Luminaire Tested: **2SNX-SL3-SLW-UNV-CC83-CD-3500K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565907
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-SLW-UNV-CC83-CD-3500K-LOW
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, LOW LUMEN SETTING, AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

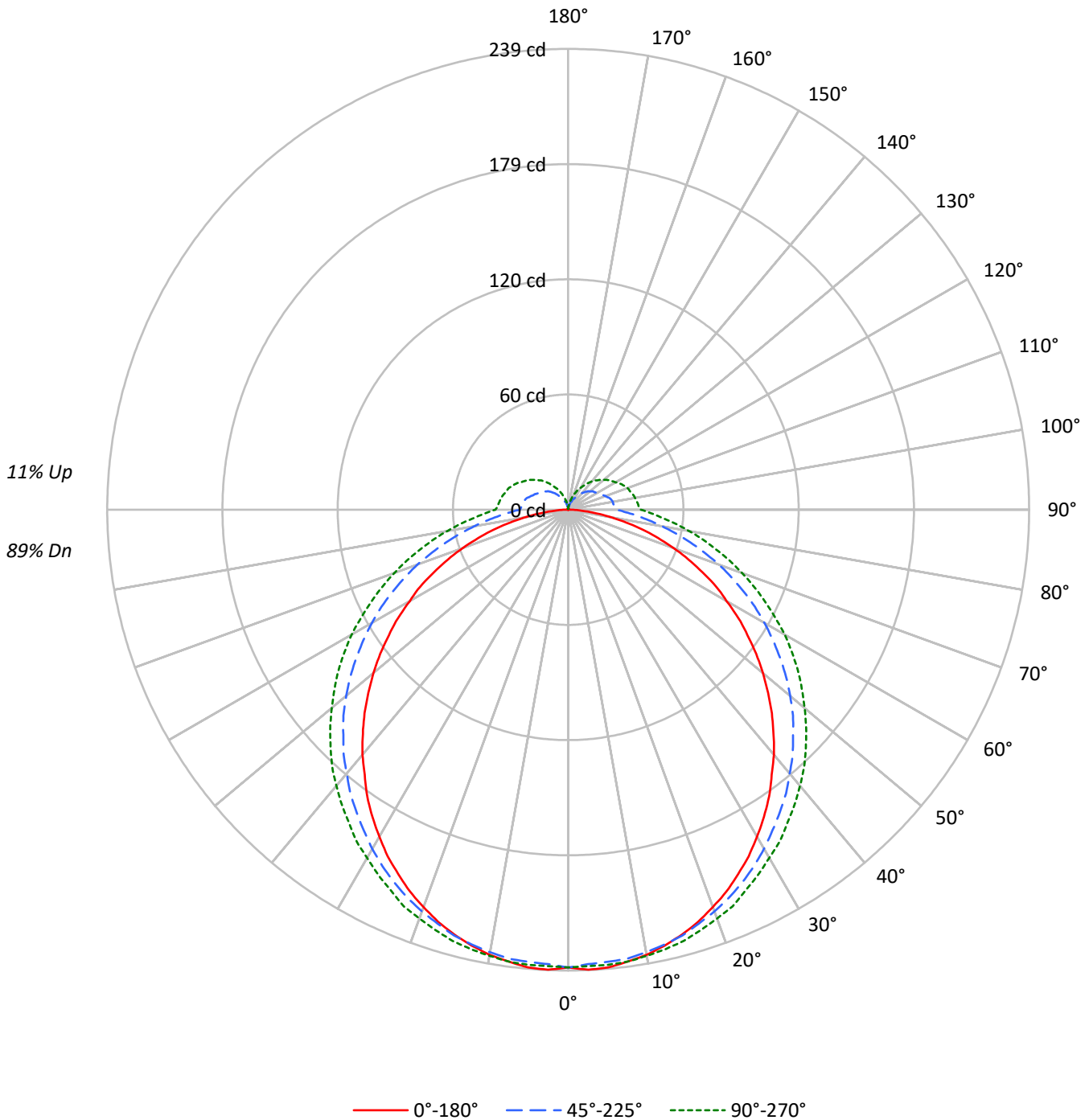
Lumens per Lamp: N/A
Luminaire Lumens: 845.0 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 6.93
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	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	76	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°	5111	5111	5111
5°	5131	4972	4975
10°	5087	4867	4851
15°	5028	4758	4738
20°	4949	4634	4611
25°	4859	4513	4480
30°	4753	4381	4349
35°	4638	4245	4226
40°	4505	4109	4110
45°	4364	3971	3982
50°	4203	3826	3839
55°	4022	3655	3702
60°	3812	3471	3546
65°	3592	3262	3350
70°	3288	3035	3157
75°	2888	2748	2946
80°	2258	2452	2735
85°	1474	2194	2519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	2.7
10°-20°	64.8	7.7
20°-30°	98.5	11.7
30°-40°	119.6	14.2
40°-50°	126.4	15.0
50°-60°	118.3	14.0
60°-70°	97.0	11.5
70°-80°	66.7	7.9
80°-90°	36.6	4.3
90°-100°	23.6	2.8
100°-110°	21.1	2.5
110°-120°	17.5	2.1
120°-130°	13.5	1.6
130°-140°	9.5	1.1
140°-150°	5.7	0.7
150°-160°	2.7	0.3
160°-170°	0.9	0.1
170°-180°	0.1	0.0
0°-30°	185.9	22.0
0°-40°	305.5	36.2
0°-60°	550.2	65.1
0°-90°	750.5	88.8
90°-120°	62.2	7.4
90°-150°	90.8	10.7
90°-180°	95.0	11.2
0°-180°	845.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	237	237	237	237	237	
5°	238	238	235	237	237	23
15°	228	229	229	232	232	64
25°	208	211	213	218	218	96
35°	182	186	191	197	198	113
45°	149	156	165	172	174	115
55°	114	123	134	142	145	102
65°	77	87	100	110	113	76
75°	40	51	66	76	79	42
85°	9	21	36	46	49	10
90°	0	12	25	34	38	1
95°	0	11	24	33	36	0
105°	0	9	22	31	34	0
115°	0	8	19	27	31	0
125°	0	7	16	24	26	0
135°	0	5	13	19	22	0
145°	0	4	9	15	16	0
155°	0	2	6	9	11	0
165°	0	2	3	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°	237.4	237.4	237.4	237.4	237.4
2.5°	238.8	238.3	235.9	237.9	236.9
5°	238.3	237.9	235.4	237.4	236.9
7.5°	236.4	236.4	234.9	236.9	236.4
10°	234.4	234.4	233.0	235.4	234.9
12.5°	231.5	232.0	231.0	233.9	233.4
15°	228.1	229.0	228.6	231.5	231.5
17.5°	224.1	225.1	225.1	228.6	228.6
20°	219.3	220.7	221.7	225.6	225.6
22.5°	214.4	216.3	217.8	221.2	222.7
25°	208.5	210.9	213.4	217.8	217.8
27.5°	202.6	205.6	208.5	212.9	213.4
30°	195.8	199.2	203.1	207.5	208.5
32.5°	188.9	193.3	197.2	202.6	204.1
35°	181.6	186.0	191.4	196.7	198.2
37.5°	173.3	178.6	185.5	191.4	192.8
40°	165.9	171.8	178.6	185.5	187.0
42.5°	157.6	164.0	172.3	178.6	181.1
45°	149.3	156.1	164.9	172.3	174.2
47.5°	140.5	148.3	158.1	164.9	167.4
50°	131.7	140.0	150.2	158.1	160.0
52.5°	122.8	131.7	142.4	150.2	152.7
55°	113.5	122.8	134.1	142.4	145.4
57.5°	104.7	114.0	125.8	134.6	137.5
60°	94.9	105.7	117.5	126.3	129.7
62.5°	86.6	96.4	109.1	117.9	120.9
65°	76.8	87.1	100.3	109.6	112.6
67.5°	67.5	78.3	91.5	101.3	104.2
70°	58.2	69.0	83.2	92.5	95.9
72.5°	48.9	60.2	73.9	84.2	87.6
75°	40.1	50.9	65.6	75.9	79.3
77.5°	30.8	42.6	57.3	67.5	71.5
80°	22.5	34.7	49.4	59.7	63.6
82.5°	15.2	27.4	42.1	52.4	56.3
85°	8.8	21.0	35.7	45.5	48.9
87.5°	4.4	16.2	29.9	39.6	43.1
90°	0.0	11.7	25.0	34.3	37.7
92.5°	0.0	11.3	24.5	33.3	36.7
95°	0.0	11.3	24.0	32.8	36.2
97.5°	0.0	10.8	23.5	32.8	35.7
100°	0.0	10.3	23.5	32.3	35.2
102.5°	0.0	9.8	23.0	31.8	34.7
105°	0.0	9.3	22.5	30.8	33.8
107.5°	0.5	9.3	21.5	30.3	33.3
110°	0.5	8.8	20.6	29.9	32.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	8.3	19.6	28.9	31.8
115°	0.5	8.3	19.1	27.4	30.8
117.5°	0.5	7.8	18.1	26.4	29.9
120°	0.5	7.8	17.6	25.4	28.4
122.5°	0.5	7.3	16.6	24.5	27.4
125°	0.5	6.9	16.2	23.5	26.4
127.5°	0.5	6.4	15.7	22.5	25.4
130°	0.5	5.9	14.7	21.5	24.0
132.5°	0.5	5.9	14.2	20.1	23.0
135°	0.5	5.4	13.2	19.1	21.5
137.5°	0.5	4.9	12.2	18.1	20.6
140°	0.5	4.4	11.3	17.1	19.1
142.5°	0.5	4.4	10.3	15.7	17.6
145°	0.5	3.9	9.3	14.7	16.2
147.5°	0.5	3.4	8.3	13.2	14.7
150°	0.5	3.4	7.3	11.7	13.2
152.5°	0.5	2.9	6.4	10.8	12.2
155°	0.5	2.4	5.9	9.3	10.8
157.5°	0.5	2.4	4.9	7.8	9.3
160°	0.5	2.0	4.4	6.4	7.8
162.5°	0.5	2.0	3.9	5.4	6.9
165°	0.5	1.5	2.9	4.4	5.4
167.5°	0.5	1.5	2.4	3.4	4.4
170°	0.5	1.0	2.0	2.4	3.4
172.5°	0.5	1.0	1.5	1.5	1.5
175°	0.5	0.5	1.0	1.0	0.5
177.5°	0.5	0.5	0.5	0.5	0.5
180°	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)