

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: P565845

Luminaire Tested: **2SNX-SL3-FDL-UNV-CC93-CD-3500K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-SL3-FDL-UNV-CC93-CD-3500K-MED
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, MED LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

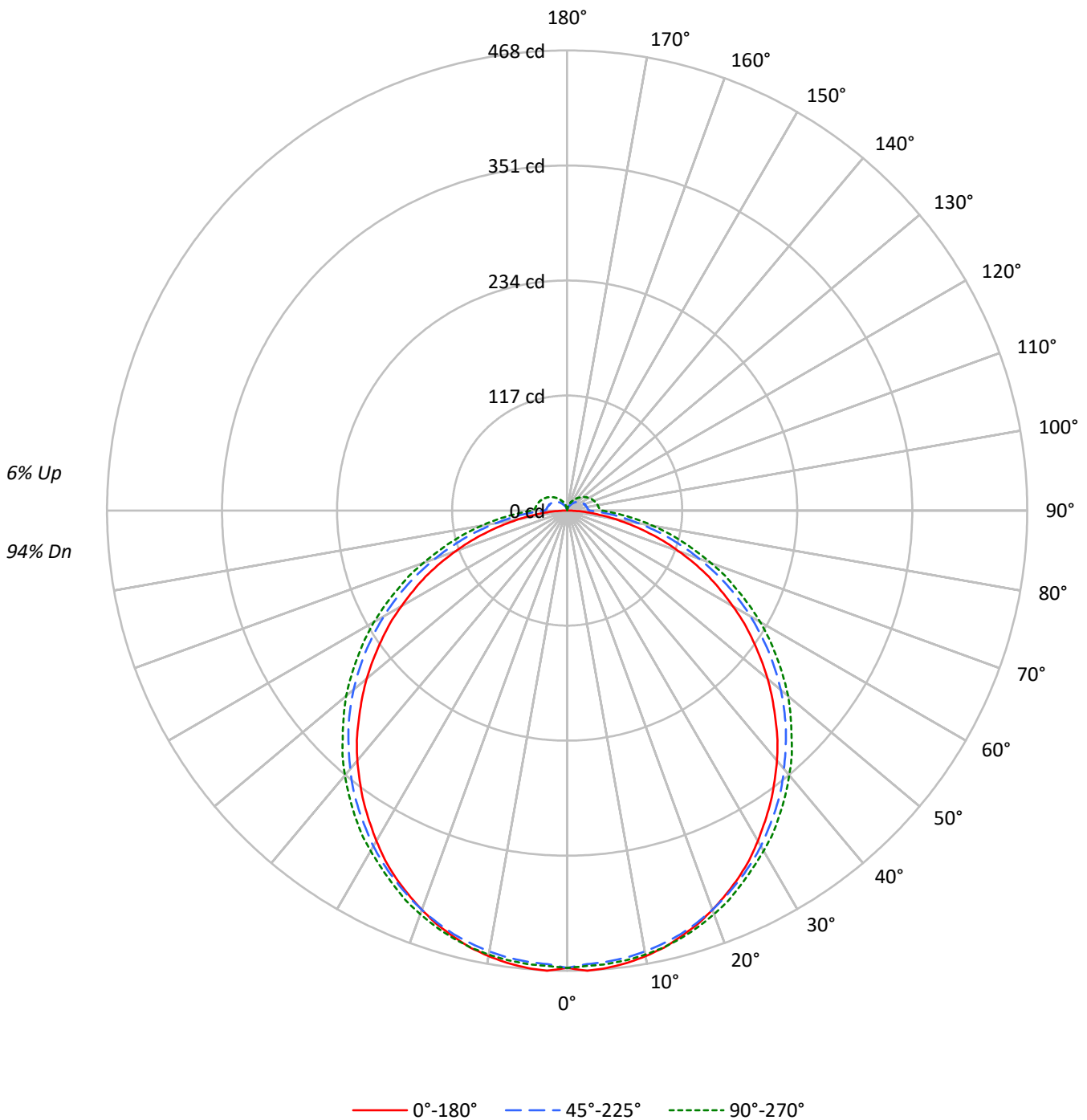
Lumens per Lamp: N/A
Luminaire Lumens: 1478.0 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Direct

Input Watts (W): 13.86
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10013	10013	10013
5°	10071	9839	9862
10°	10021	9728	9739
15°	9936	9599	9598
20°	9825	9443	9435
25°	9697	9275	9242
30°	9528	9102	9064
35°	9356	8900	8877
40°	9167	8677	8666
45°	8929	8457	8421
50°	8699	8205	8198
55°	8412	7896	7888
60°	8091	7542	7581
65°	7748	7119	7160
70°	7168	6593	6722
75°	6467	5971	6200
80°	5422	5152	5621
85°	4070	4419	4940



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	3.0
10°-20°	126.6	8.6
20°-30°	191.8	13.0
30°-40°	231.6	15.7
40°-50°	241.8	16.4
50°-60°	222.1	15.0
60°-70°	175.7	11.9
70°-80°	111.2	7.5
80°-90°	47.8	3.2
90°-100°	21.0	1.4
100°-110°	18.8	1.3
110°-120°	15.9	1.1
120°-130°	12.4	0.8
130°-140°	8.6	0.6
140°-150°	5.1	0.3
150°-160°	2.5	0.2
160°-170°	0.9	0.1
170°-180°	0.1	0.0
0°-30°	362.5	24.5
0°-40°	594.0	40.2
0°-60°	1058.0	71.6
0°-90°	1392.6	94.2
90°-120°	55.8	3.8
90°-150°	81.9	5.5
90°-180°	85.0	5.8
0°-180°	1478.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	465	465	465	465	465	
5°	467	466	461	465	463	44
15°	448	448	446	451	450	126
25°	412	414	415	420	419	190
35°	361	365	370	376	377	226
45°	299	307	315	321	323	231
55°	231	240	250	258	260	207
65°	159	168	180	188	191	156
75°	84	94	107	116	121	89
85°	20	31	45	55	58	23
90°	1	11	23	32	36	2
95°	0	10	21	29	32	0
105°	0	9	20	28	30	0
115°	0	8	18	25	28	0
125°	0	7	15	22	24	0
135°	0	5	12	17	19	0
145°	0	4	8	13	14	0
155°	0	3	6	8	10	0
165°	1	2	3	4	6	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	465.1	465.1	465.1	465.1	465.1
2.5°	468.5	466.9	461.7	465.4	463.5
5°	466.9	465.6	460.6	464.6	463.0
7.5°	464.1	463.0	458.6	462.7	461.2
10°	460.1	459.3	455.4	459.6	458.6
12.5°	455.2	454.9	451.0	455.7	454.9
15°	448.3	448.3	446.0	450.7	449.9
17.5°	441.0	441.3	439.4	444.4	443.9
20°	432.1	433.4	432.1	437.4	436.8
22.5°	422.4	424.3	423.7	429.0	429.2
25°	412.2	414.1	414.6	420.1	419.3
27.5°	401.0	403.9	404.9	409.9	409.6
30°	387.9	391.8	394.2	398.4	399.7
32.5°	374.5	379.3	382.1	387.9	389.5
35°	361.2	365.4	370.1	375.8	377.2
37.5°	346.5	351.2	357.5	363.0	364.6
40°	331.9	337.1	343.1	349.2	351.5
42.5°	316.7	322.2	328.7	335.8	338.2
45°	299.4	306.8	314.6	320.6	322.7
47.5°	282.9	291.0	299.4	306.0	308.3
50°	266.2	274.8	283.7	289.7	293.4
52.5°	248.6	258.1	267.0	274.6	276.9
55°	230.8	240.3	250.2	258.3	260.2
57.5°	213.6	222.7	232.7	240.3	243.9
60°	194.7	204.7	215.4	223.0	226.9
62.5°	176.4	186.1	197.6	205.7	208.9
65°	158.9	167.8	179.5	187.9	190.8
67.5°	139.5	149.7	161.0	170.6	174.3
70°	120.4	130.1	142.9	152.1	155.7
72.5°	102.6	112.0	124.8	134.0	137.4
75°	83.8	93.7	107.3	116.5	120.9
77.5°	65.7	76.7	89.8	99.7	104.7
80°	48.9	58.6	72.8	83.8	88.2
82.5°	33.2	43.7	58.4	68.6	73.5
85°	20.4	31.4	45.0	54.7	58.1
87.5°	9.7	20.2	32.7	42.1	46.3
90°	1.3	11.3	23.0	32.2	35.6
92.5°	0.3	9.7	21.2	29.8	33.0
95°	0.3	9.7	20.9	29.3	32.5
97.5°	0.3	9.4	20.7	29.1	31.9
100°	0.3	9.2	20.4	28.5	31.7
102.5°	0.3	9.2	19.9	28.0	30.9
105°	0.3	8.9	19.6	27.5	30.4
107.5°	0.3	8.6	19.1	27.0	29.8
110°	0.3	8.1	18.8	26.2	29.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	7.9	18.3	25.6	28.3
115°	0.3	7.6	17.8	24.9	27.5
117.5°	0.3	7.3	17.0	24.1	26.7
120°	0.5	7.3	16.5	23.3	25.6
122.5°	0.5	7.1	15.7	22.2	24.6
125°	0.5	6.8	14.9	21.5	23.8
127.5°	0.5	6.5	14.1	20.4	22.5
130°	0.5	6.0	13.6	19.4	21.5
132.5°	0.5	5.8	12.8	18.1	20.2
135°	0.5	5.2	12.0	17.0	19.1
137.5°	0.5	5.0	11.3	16.0	17.8
140°	0.5	4.7	10.2	14.9	16.8
142.5°	0.5	4.2	9.4	13.9	15.4
145°	0.5	3.9	8.4	12.8	14.1
147.5°	0.5	3.4	7.6	11.8	13.1
150°	0.5	3.1	6.8	10.7	12.0
152.5°	0.5	2.9	6.0	9.4	10.7
155°	0.5	2.6	5.5	8.1	9.7
157.5°	0.5	2.4	4.7	7.1	8.6
160°	0.8	2.1	4.2	6.0	7.3
162.5°	0.8	1.8	3.4	5.0	6.5
165°	0.8	1.8	2.9	3.9	5.5
167.5°	0.8	1.6	2.4	3.1	4.4
170°	0.8	1.3	2.1	2.4	3.4
172.5°	0.8	1.0	1.6	1.6	1.8
175°	0.8	1.0	1.3	1.3	0.8
177.5°	0.8	0.8	0.8	0.8	0.5
180°	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)