

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: P565838

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565838
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-CC83-CD-4000K-LOW
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, LOW LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

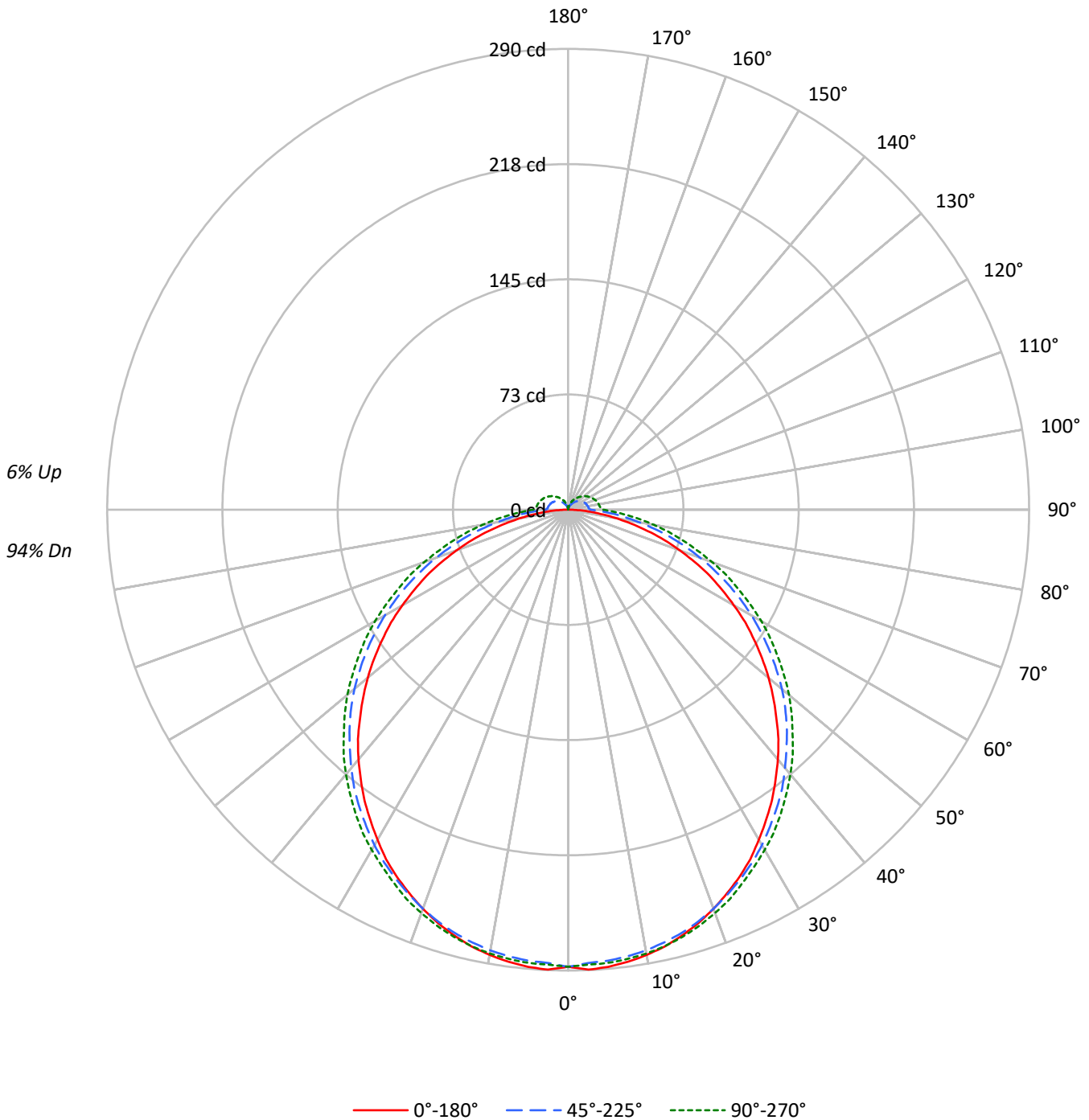
Lumens per Lamp: N/A
Luminaire Lumens: 914.0 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Direct

Input Watts (W): 6.6
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

TEST NUMBER: P565838

CATALOG NUMBER: 2SNX-SL3-FDL-UNV-CC83-CD-4000K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P565838

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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°	6191	6191	6191
5°	6230	6086	6098
10°	6196	6015	6022
15°	6146	5936	5935
20°	6075	5840	5834
25°	5996	5736	5715
30°	5893	5630	5606
35°	5787	5505	5488
40°	5668	5366	5360
45°	5523	5231	5209
50°	5379	5076	5069
55°	5205	4882	4878
60°	5003	4664	4688
65°	4788	4403	4428
70°	4435	4078	4158
75°	3998	3695	3836
80°	3359	3184	3473
85°	2514	2730	3052



TEST NUMBER: P565838

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	3.0
10°-20°	78.3	8.6
20°-30°	118.6	13.0
30°-40°	143.2	15.7
40°-50°	149.5	16.4
50°-60°	137.4	15.0
60°-70°	108.6	11.9
70°-80°	68.7	7.5
80°-90°	29.5	3.2
90°-100°	13.0	1.4
100°-110°	11.6	1.3
110°-120°	9.8	1.1
120°-130°	7.7	0.8
130°-140°	5.3	0.6
140°-150°	3.2	0.3
150°-160°	1.5	0.2
160°-170°	0.5	0.1
170°-180°	0.1	0.0
0°-30°	224.2	24.5
0°-40°	367.4	40.2
0°-60°	654.3	71.6
0°-90°	861.2	94.2
90°-120°	34.5	3.8
90°-150°	50.6	5.5
90°-180°	53.0	5.8
0°-180°	914.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	288	288	288	288	288	
5°	289	288	285	287	286	27
15°	277	277	276	279	278	78
25°	255	256	256	260	259	117
35°	223	226	229	232	233	140
45°	185	190	195	198	200	143
55°	143	149	155	160	161	128
65°	98	104	111	116	118	97
75°	52	58	66	72	75	55
85°	13	19	28	34	36	14
90°	1	7	14	20	22	1
95°	0	6	13	18	20	0
105°	0	6	12	17	19	0
115°	0	5	11	15	17	0
125°	0	4	9	13	15	0
135°	0	3	7	10	12	0
145°	0	2	5	8	9	0
155°	0	2	3	5	6	0
165°	0	1	2	2	3	0
175°	0	1	1	1	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P565838

CATALOG NUMBER: 2SNX-SL3-FDL-UNV-CC83-CD-4000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	287.6	287.6	287.6	287.6	287.6
2.5°	289.7	288.8	285.5	287.8	286.6
5°	288.8	287.9	284.9	287.3	286.3
7.5°	287.0	286.3	283.6	286.2	285.2
10°	284.5	284.1	281.6	284.2	283.6
12.5°	281.5	281.3	278.9	281.8	281.3
15°	277.3	277.3	275.8	278.7	278.2
17.5°	272.7	272.9	271.8	274.8	274.5
20°	267.2	268.0	267.2	270.5	270.1
22.5°	261.2	262.4	262.0	265.3	265.4
25°	254.9	256.1	256.4	259.8	259.3
27.5°	248.0	249.7	250.4	253.5	253.3
30°	239.9	242.3	243.8	246.3	247.2
32.5°	231.6	234.5	236.3	239.9	240.8
35°	223.4	226.0	228.9	232.4	233.2
37.5°	214.3	217.2	221.1	224.5	225.5
40°	205.2	208.5	212.2	215.9	217.4
42.5°	195.8	199.2	203.3	207.7	209.1
45°	185.2	189.7	194.6	198.3	199.6
47.5°	175.0	180.0	185.2	189.2	190.7
50°	164.6	169.9	175.5	179.2	181.4
52.5°	153.8	159.6	165.1	169.8	171.2
55°	142.8	148.6	154.7	159.8	160.9
57.5°	132.1	137.7	143.9	148.6	150.9
60°	120.4	126.6	133.2	137.9	140.3
62.5°	109.1	115.1	122.2	127.2	129.2
65°	98.2	103.7	111.0	116.2	118.0
67.5°	86.3	92.6	99.5	105.5	107.8
70°	74.5	80.4	88.4	94.0	96.3
72.5°	63.4	69.3	77.2	82.9	85.0
75°	51.8	57.9	66.4	72.0	74.8
77.5°	40.6	47.4	55.5	61.7	64.7
80°	30.3	36.3	45.0	51.8	54.5
82.5°	20.6	27.0	36.1	42.4	45.5
85°	12.6	19.4	27.8	33.8	35.9
87.5°	6.0	12.5	20.2	26.1	28.6
90°	0.8	7.0	14.2	19.9	22.0
92.5°	0.2	6.0	13.1	18.5	20.4
95°	0.2	6.0	12.9	18.1	20.1
97.5°	0.2	5.8	12.8	18.0	19.7
100°	0.2	5.7	12.6	17.6	19.6
102.5°	0.2	5.7	12.3	17.3	19.1
105°	0.2	5.5	12.1	17.0	18.8
107.5°	0.2	5.3	11.8	16.7	18.5
110°	0.2	5.0	11.7	16.2	18.0



TEST NUMBER: P565838

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.2	4.9	11.3	15.9	17.5
115°	0.2	4.7	11.0	15.4	17.0
117.5°	0.2	4.5	10.5	14.9	16.5
120°	0.3	4.5	10.2	14.4	15.9
122.5°	0.3	4.4	9.7	13.8	15.2
125°	0.3	4.2	9.2	13.3	14.7
127.5°	0.3	4.0	8.7	12.6	13.9
130°	0.3	3.7	8.4	12.0	13.3
132.5°	0.3	3.6	7.9	11.2	12.5
135°	0.3	3.2	7.4	10.5	11.8
137.5°	0.3	3.1	7.0	9.9	11.0
140°	0.3	2.9	6.3	9.2	10.4
142.5°	0.3	2.6	5.8	8.6	9.5
145°	0.3	2.4	5.2	7.9	8.7
147.5°	0.3	2.1	4.7	7.3	8.1
150°	0.3	1.9	4.2	6.6	7.4
152.5°	0.3	1.8	3.7	5.8	6.6
155°	0.3	1.6	3.4	5.0	6.0
157.5°	0.3	1.5	2.9	4.4	5.3
160°	0.5	1.3	2.6	3.7	4.5
162.5°	0.5	1.1	2.1	3.1	4.0
165°	0.5	1.1	1.8	2.4	3.4
167.5°	0.5	1.0	1.5	1.9	2.8
170°	0.5	0.8	1.3	1.5	2.1
172.5°	0.5	0.6	1.0	1.0	1.1
175°	0.5	0.6	0.8	0.8	0.5
177.5°	0.5	0.5	0.5	0.5	0.3
180°	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)