

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: P565909

Luminaire Tested: **2SNX-SL3-SLW-UNV-CC83-CD-4000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565909
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-4000K-HI
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, HI LUMEN SETTING, AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

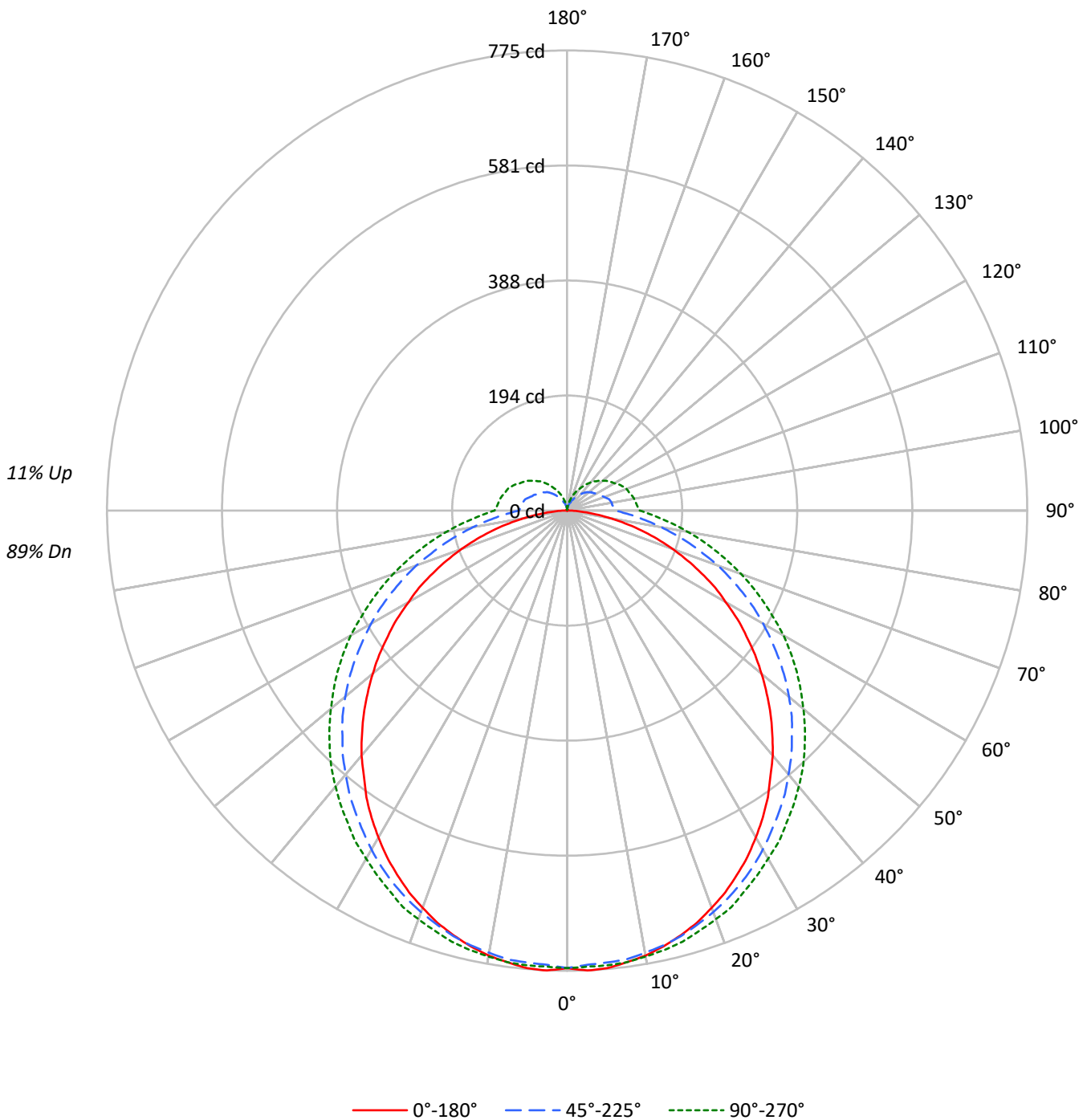
Lumens per Lamp: N/A
Luminaire Lumens: 2743.0 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 20
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°	16587	16587	16587
5°	16659	16141	16147
10°	16515	15795	15748
15°	16318	15442	15381
20°	16062	15042	14970
25°	15771	14650	14542
30°	15428	14221	14118
35°	15052	13778	13720
40°	14627	13340	13339
45°	14166	12895	12928
50°	13640	12423	12466
55°	13060	11863	12012
60°	12380	11264	11509
65°	11666	10592	10872
70°	10684	9852	10250
75°	9385	8918	9562
80°	7336	7966	8880
85°	4791	7130	8186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.2	2.7
10°-20°	210.4	7.7
20°-30°	319.9	11.7
30°-40°	388.3	14.2
40°-50°	410.3	15.0
50°-60°	383.9	14.0
60°-70°	315.0	11.5
70°-80°	216.7	7.9
80°-90°	118.7	4.3
90°-100°	76.4	2.8
100°-110°	68.6	2.5
110°-120°	56.7	2.1
120°-130°	43.7	1.6
130°-140°	30.7	1.1
140°-150°	18.5	0.7
150°-160°	8.9	0.3
160°-170°	2.9	0.1
170°-180°	0.3	0.0
0°-30°	603.4	22.0
0°-40°	991.7	36.2
0°-60°	1785.9	65.1
0°-90°	2436.3	88.8
90°-120°	201.7	7.4
90°-150°	294.6	10.7
90°-180°	307.0	11.2
0°-180°	2743.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	770	770	770	770	770	
5°	774	772	764	770	769	73
15°	740	744	742	752	752	209
25°	677	685	693	707	707	312
35°	589	604	621	639	643	368
45°	485	507	535	559	566	374
55°	369	399	435	462	472	330
65°	249	283	326	356	365	247
75°	130	165	213	246	257	137
85°	29	68	116	148	159	33
90°	0	38	81	111	122	2
95°	0	36	78	106	118	0
105°	0	30	73	100	110	1
115°	2	27	62	89	100	2
125°	2	22	52	76	86	1
135°	2	18	43	62	70	1
145°	2	13	30	48	52	1
155°	2	8	19	30	35	1
165°	2	5	10	14	18	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	770.5	770.5	770.5	770.5	770.5
2.5°	775.3	773.7	765.7	772.1	768.9
5°	773.7	772.1	764.2	770.5	768.9
7.5°	767.3	767.3	762.6	768.9	767.3
10°	761.0	761.0	756.2	764.2	762.6
12.5°	751.5	753.0	749.9	759.4	757.8
15°	740.3	743.5	741.9	751.5	751.5
17.5°	727.6	730.8	730.8	741.9	741.9
20°	711.7	716.5	719.7	732.4	732.4
22.5°	695.8	702.2	707.0	718.1	722.9
25°	676.8	684.7	692.7	707.0	707.0
27.5°	657.7	667.3	676.8	691.1	692.7
30°	635.5	646.6	659.3	673.6	676.8
32.5°	613.2	627.5	640.2	657.7	662.5
35°	589.4	603.7	621.2	638.7	643.4
37.5°	562.4	579.9	602.1	621.2	625.9
40°	538.6	557.6	579.9	602.1	606.9
42.5°	511.6	532.2	559.2	579.9	587.8
45°	484.6	506.8	535.4	559.2	565.6
47.5°	456.0	481.4	513.1	535.4	543.3
50°	427.4	454.4	487.7	513.1	519.5
52.5°	398.8	427.4	462.3	487.7	495.7
55°	368.6	398.8	435.3	462.3	471.8
57.5°	340.0	370.2	408.3	436.9	446.4
60°	308.2	343.2	381.3	409.9	421.0
62.5°	281.2	313.0	354.3	382.9	392.4
65°	249.4	282.8	325.7	355.9	365.4
67.5°	219.2	254.2	297.1	328.9	338.4
70°	189.1	224.0	270.1	300.3	311.4
72.5°	158.9	195.4	239.9	273.3	284.4
75°	130.3	165.2	212.9	246.2	257.4
77.5°	100.1	138.2	185.9	219.2	231.9
80°	73.1	112.8	160.5	193.8	206.5
82.5°	49.2	89.0	136.6	170.0	182.7
85°	28.6	68.3	116.0	147.7	158.9
87.5°	14.3	52.4	96.9	128.7	139.8
90°	0.0	38.1	81.0	111.2	122.3
92.5°	0.0	36.5	79.4	108.0	119.2
95°	0.0	36.5	77.8	106.4	117.6
97.5°	0.0	35.0	76.3	106.4	116.0
100°	0.0	33.4	76.3	104.9	114.4
102.5°	0.0	31.8	74.7	103.3	112.8
105°	0.0	30.2	73.1	100.1	109.6
107.5°	1.6	30.2	69.9	98.5	108.0
110°	1.6	28.6	66.7	96.9	106.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	27.0	63.5	93.7	103.3
115°	1.6	27.0	62.0	89.0	100.1
117.5°	1.6	25.4	58.8	85.8	96.9
120°	1.6	25.4	57.2	82.6	92.1
122.5°	1.6	23.8	54.0	79.4	89.0
125°	1.6	22.2	52.4	76.3	85.8
127.5°	1.6	20.7	50.8	73.1	82.6
130°	1.6	19.1	47.7	69.9	77.8
132.5°	1.6	19.1	46.1	65.1	74.7
135°	1.6	17.5	42.9	62.0	69.9
137.5°	1.6	15.9	39.7	58.8	66.7
140°	1.6	14.3	36.5	55.6	62.0
142.5°	1.6	14.3	33.4	50.8	57.2
145°	1.6	12.7	30.2	47.7	52.4
147.5°	1.6	11.1	27.0	42.9	47.7
150°	1.6	11.1	23.8	38.1	42.9
152.5°	1.6	9.5	20.7	35.0	39.7
155°	1.6	7.9	19.1	30.2	35.0
157.5°	1.6	7.9	15.9	25.4	30.2
160°	1.6	6.4	14.3	20.7	25.4
162.5°	1.6	6.4	12.7	17.5	22.2
165°	1.6	4.8	9.5	14.3	17.5
167.5°	1.6	4.8	7.9	11.1	14.3
170°	1.6	3.2	6.4	7.9	11.1
172.5°	1.6	3.2	4.8	4.8	4.8
175°	1.6	1.6	3.2	3.2	1.6
177.5°	1.6	1.6	1.6	1.6	1.6
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)