

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: P565895

Luminaire Tested: **2SNX-SL3-LW-UNV-CC83-CD-5000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565895
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-CC83-CD-5000K-LOW
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, LOW LUMEN SETTING, AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

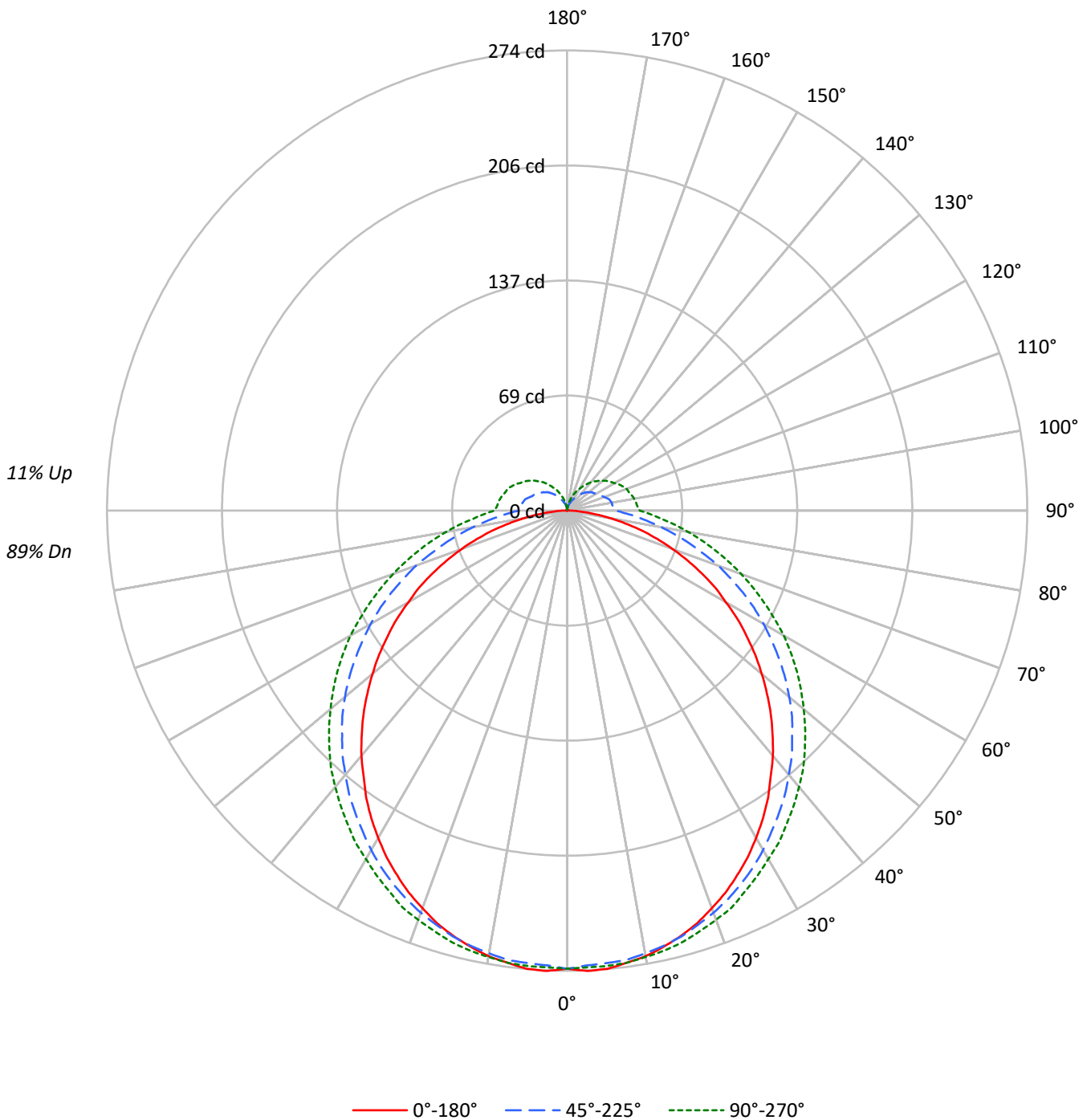
Lumens per Lamp: N/A
Luminaire Lumens: 971.0 lumens
Efficiency: N/A
Efficacy: 145.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 6.666
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°	5873	5873	5873
5°	5876	5586	5558
10°	5804	5351	5279
15°	5714	5124	5030
20°	5601	4893	4780
25°	5478	4670	4535
30°	5336	4442	4301
35°	5180	4214	4081
40°	5006	3993	3871
45°	4820	3770	3657
50°	4609	3544	3432
55°	4377	3291	3211
60°	4105	3030	2977
65°	3816	2748	2711
70°	3426	2449	2450
75°	2925	2105	2172
80°	2180	1757	1896
85°	1278	1438	1610



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	2.7
10°-20°	74.5	7.7
20°-30°	113.2	11.7
30°-40°	137.4	14.2
40°-50°	145.2	15.0
50°-60°	135.9	14.0
60°-70°	111.5	11.5
70°-80°	76.7	7.9
80°-90°	42.0	4.3
90°-100°	27.1	2.8
100°-110°	24.3	2.5
110°-120°	20.1	2.1
120°-130°	15.5	1.6
130°-140°	10.9	1.1
140°-150°	6.6	0.7
150°-160°	3.1	0.3
160°-170°	1.0	0.1
170°-180°	0.1	0.0
0°-30°	213.6	22.0
0°-40°	351.0	36.2
0°-60°	632.2	65.1
0°-90°	862.4	88.8
90°-120°	71.4	7.4
90°-150°	104.3	10.7
90°-180°	109.0	11.2
0°-180°	971.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	273	273	273	273	273	
5°	274	273	270	273	272	26
15°	262	263	263	266	266	74
25°	240	242	245	250	250	110
35°	209	214	220	226	228	130
45°	172	179	190	198	200	132
55°	130	141	154	164	167	117
65°	88	100	115	126	129	87
75°	46	58	75	87	91	49
85°	10	24	41	52	56	12
90°	0	14	29	39	43	1
95°	0	13	28	38	42	0
105°	0	11	26	35	39	0
115°	1	10	22	32	35	1
125°	1	8	19	27	30	1
135°	1	6	15	22	25	0
145°	1	4	11	17	19	0
155°	1	3	7	11	12	0
165°	1	2	3	5	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°	272.8	272.8	272.8	272.8	272.8
2.5°	274.4	273.9	271.1	273.3	272.2
5°	273.9	273.3	270.5	272.8	272.2
7.5°	271.6	271.6	269.9	272.2	271.6
10°	269.4	269.4	267.7	270.5	269.9
12.5°	266.0	266.6	265.4	268.8	268.3
15°	262.1	263.2	262.6	266.0	266.0
17.5°	257.6	258.7	258.7	262.6	262.6
20°	251.9	253.6	254.8	259.3	259.3
22.5°	246.3	248.6	250.3	254.2	255.9
25°	239.6	242.4	245.2	250.3	250.3
27.5°	232.8	236.2	239.6	244.6	245.2
30°	225.0	228.9	233.4	238.5	239.6
32.5°	217.1	222.1	226.6	232.8	234.5
35°	208.6	213.7	219.9	226.1	227.8
37.5°	199.1	205.3	213.1	219.9	221.6
40°	190.6	197.4	205.3	213.1	214.8
42.5°	181.1	188.4	198.0	205.3	208.1
45°	171.5	179.4	189.5	198.0	200.2
47.5°	161.4	170.4	181.6	189.5	192.3
50°	151.3	160.8	172.7	181.6	183.9
52.5°	141.2	151.3	163.7	172.7	175.5
55°	130.5	141.2	154.1	163.7	167.0
57.5°	120.4	131.0	144.5	154.7	158.0
60°	109.1	121.5	135.0	145.1	149.0
62.5°	99.5	110.8	125.4	135.5	138.9
65°	88.3	100.1	115.3	126.0	129.3
67.5°	77.6	90.0	105.2	116.4	119.8
70°	66.9	79.3	95.6	106.3	110.2
72.5°	56.2	69.2	84.9	96.7	100.7
75°	46.1	58.5	75.4	87.2	91.1
77.5°	35.4	48.9	65.8	77.6	82.1
80°	25.9	39.9	56.8	68.6	73.1
82.5°	17.4	31.5	48.4	60.2	64.7
85°	10.1	24.2	41.1	52.3	56.2
87.5°	5.1	18.6	34.3	45.6	49.5
90°	0.0	13.5	28.7	39.4	43.3
92.5°	0.0	12.9	28.1	38.2	42.2
95°	0.0	12.9	27.6	37.7	41.6
97.5°	0.0	12.4	27.0	37.7	41.1
100°	0.0	11.8	27.0	37.1	40.5
102.5°	0.0	11.2	26.4	36.6	39.9
105°	0.0	10.7	25.9	35.4	38.8
107.5°	0.6	10.7	24.7	34.9	38.2
110°	0.6	10.1	23.6	34.3	37.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	9.6	22.5	33.2	36.6
115°	0.6	9.6	21.9	31.5	35.4
117.5°	0.6	9.0	20.8	30.4	34.3
120°	0.6	9.0	20.2	29.2	32.6
122.5°	0.6	8.4	19.1	28.1	31.5
125°	0.6	7.9	18.6	27.0	30.4
127.5°	0.6	7.3	18.0	25.9	29.2
130°	0.6	6.7	16.9	24.7	27.6
132.5°	0.6	6.7	16.3	23.1	26.4
135°	0.6	6.2	15.2	21.9	24.7
137.5°	0.6	5.6	14.1	20.8	23.6
140°	0.6	5.1	12.9	19.7	21.9
142.5°	0.6	5.1	11.8	18.0	20.2
145°	0.6	4.5	10.7	16.9	18.6
147.5°	0.6	3.9	9.6	15.2	16.9
150°	0.6	3.9	8.4	13.5	15.2
152.5°	0.6	3.4	7.3	12.4	14.1
155°	0.6	2.8	6.7	10.7	12.4
157.5°	0.6	2.8	5.6	9.0	10.7
160°	0.6	2.2	5.1	7.3	9.0
162.5°	0.6	2.2	4.5	6.2	7.9
165°	0.6	1.7	3.4	5.1	6.2
167.5°	0.6	1.7	2.8	3.9	5.1
170°	0.6	1.1	2.2	2.8	3.9
172.5°	0.6	1.1	1.7	1.7	1.7
175°	0.6	0.6	1.1	1.1	0.6
177.5°	0.6	0.6	0.6	0.6	0.6
180°	0.6	0.6	0.6	0.6	0.6

(END OF REPORT)