

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: P566125

Luminaire Tested: **4SNX-20SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566125
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: 4SNX-20SL-SLW-UNV-L950-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

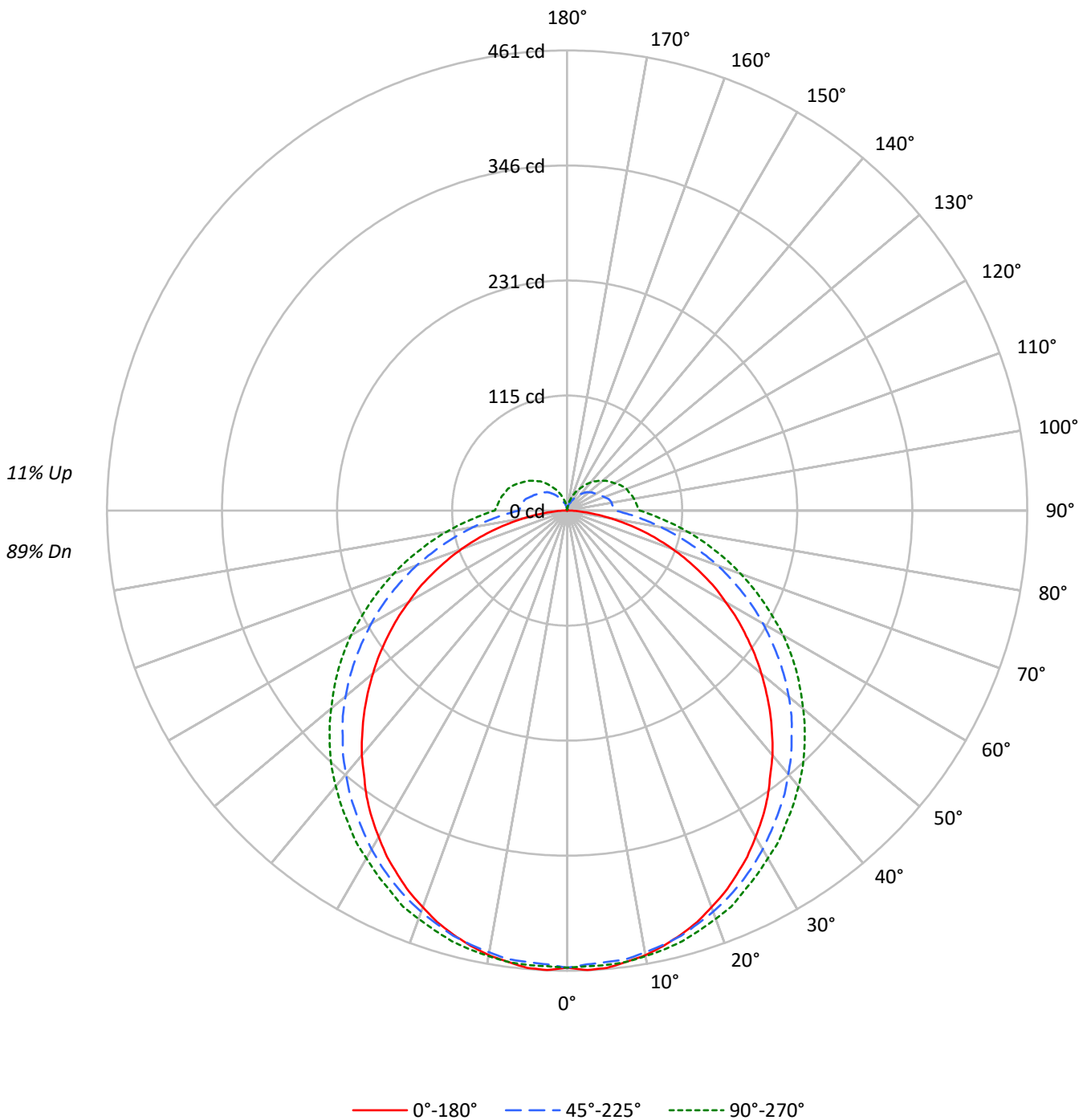
Lumens per Lamp: N/A
Luminaire Lumens: 1630.0 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 12.1
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	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°	4929	4929	4929
5°	4959	4802	4797
10°	4925	4705	4680
15°	4875	4605	4569
20°	4808	4491	4448
25°	4731	4379	4321
30°	4638	4257	4195
35°	4536	4129	4076
40°	4419	4004	3963
45°	4293	3876	3841
50°	4151	3741	3704
55°	3992	3580	3570
60°	3805	3407	3420
65°	3614	3211	3230
70°	3344	2997	3045
75°	2988	2725	2840
80°	2407	2449	2638
85°	1697	2210	2432



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.5	2.7
10°-20°	125.0	7.7
20°-30°	190.1	11.7
30°-40°	230.7	14.2
40°-50°	243.8	15.0
50°-60°	228.1	14.0
60°-70°	187.2	11.5
70°-80°	128.8	7.9
80°-90°	70.5	4.3
90°-100°	45.4	2.8
100°-110°	40.7	2.5
110°-120°	33.7	2.1
120°-130°	26.0	1.6
130°-140°	18.2	1.1
140°-150°	11.0	0.7
150°-160°	5.3	0.3
160°-170°	1.7	0.1
170°-180°	0.2	0.0
0°-30°	358.6	22.0
0°-40°	589.3	36.2
0°-60°	1061.2	65.1
0°-90°	1447.7	88.8
90°-120°	119.9	7.4
90°-150°	175.1	10.7
90°-180°	182.0	11.2
0°-180°	1630.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	458	458	458	458	458	
5°	460	459	454	458	457	44
15°	440	442	441	446	446	124
25°	402	407	412	420	420	185
35°	350	359	369	380	382	219
45°	288	301	318	332	336	222
55°	219	237	259	275	280	196
65°	148	168	194	212	217	147
75°	77	98	126	146	153	81
85°	17	41	69	88	94	20
90°	0	23	48	66	73	1
95°	0	22	46	63	70	0
105°	0	18	43	60	65	1
115°	1	16	37	53	60	1
125°	1	13	31	45	51	1
135°	1	10	26	37	42	1
145°	1	8	18	28	31	1
155°	1	5	11	18	21	0
165°	1	3	6	8	10	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	457.9	457.9	457.9	457.9	457.9
2.5°	460.7	459.8	455.0	458.8	456.9
5°	459.8	458.8	454.1	457.9	456.9
7.5°	456.0	456.0	453.2	456.9	456.0
10°	452.2	452.2	449.4	454.1	453.2
12.5°	446.5	447.5	445.6	451.3	450.3
15°	439.9	441.8	440.9	446.5	446.5
17.5°	432.4	434.3	434.3	440.9	440.9
20°	422.9	425.8	427.7	435.2	435.2
22.5°	413.5	417.3	420.1	426.7	429.5
25°	402.2	406.9	411.6	420.1	420.1
27.5°	390.8	396.5	402.2	410.7	411.6
30°	377.6	384.2	391.8	400.3	402.2
32.5°	364.4	372.9	380.5	390.8	393.7
35°	350.2	358.7	369.1	379.5	382.3
37.5°	334.2	344.6	357.8	369.1	372.0
40°	320.0	331.4	344.6	357.8	360.6
42.5°	304.0	316.3	332.3	344.6	349.3
45°	287.9	301.2	318.1	332.3	336.1
47.5°	270.9	286.1	304.9	318.1	322.9
50°	254.0	270.0	289.8	304.9	308.7
52.5°	237.0	254.0	274.7	289.8	294.5
55°	219.0	237.0	258.7	274.7	280.4
57.5°	202.0	220.0	242.6	259.6	265.3
60°	183.1	203.9	226.6	243.6	250.2
62.5°	167.1	186.0	210.5	227.5	233.2
65°	148.2	168.0	193.5	211.5	217.1
67.5°	130.3	151.1	176.5	195.4	201.1
70°	112.3	133.1	160.5	178.4	185.0
72.5°	94.4	116.1	142.6	162.4	169.0
75°	77.4	98.2	126.5	146.3	152.9
77.5°	59.5	82.1	110.5	130.3	137.8
80°	43.4	67.0	95.4	115.2	122.7
82.5°	29.3	52.9	81.2	101.0	108.6
85°	17.0	40.6	68.9	87.8	94.4
87.5°	8.5	31.2	57.6	76.5	83.1
90°	0.0	22.7	48.1	66.1	72.7
92.5°	0.0	21.7	47.2	64.2	70.8
95°	0.0	21.7	46.3	63.3	69.9
97.5°	0.0	20.8	45.3	63.3	68.9
100°	0.0	19.8	45.3	62.3	68.0
102.5°	0.0	18.9	44.4	61.4	67.0
105°	0.0	17.9	43.4	59.5	65.1
107.5°	0.9	17.9	41.5	58.5	64.2
110°	0.9	17.0	39.7	57.6	63.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	16.0	37.8	55.7	61.4
115°	0.9	16.0	36.8	52.9	59.5
117.5°	0.9	15.1	34.9	51.0	57.6
120°	0.9	15.1	34.0	49.1	54.8
122.5°	0.9	14.2	32.1	47.2	52.9
125°	0.9	13.2	31.2	45.3	51.0
127.5°	0.9	12.3	30.2	43.4	49.1
130°	0.9	11.3	28.3	41.5	46.3
132.5°	0.9	11.3	27.4	38.7	44.4
135°	0.9	10.4	25.5	36.8	41.5
137.5°	0.9	9.4	23.6	34.9	39.7
140°	0.9	8.5	21.7	33.0	36.8
142.5°	0.9	8.5	19.8	30.2	34.0
145°	0.9	7.6	17.9	28.3	31.2
147.5°	0.9	6.6	16.0	25.5	28.3
150°	0.9	6.6	14.2	22.7	25.5
152.5°	0.9	5.7	12.3	20.8	23.6
155°	0.9	4.7	11.3	17.9	20.8
157.5°	0.9	4.7	9.4	15.1	17.9
160°	0.9	3.8	8.5	12.3	15.1
162.5°	0.9	3.8	7.6	10.4	13.2
165°	0.9	2.8	5.7	8.5	10.4
167.5°	0.9	2.8	4.7	6.6	8.5
170°	0.9	1.9	3.8	4.7	6.6
172.5°	0.9	1.9	2.8	2.8	2.8
175°	0.9	0.9	1.9	1.9	0.9
177.5°	0.9	0.9	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)