

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: P566160

Luminaire Tested: **4SNX-22SL-LW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566160
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-22SL-LW-UNV-L840-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

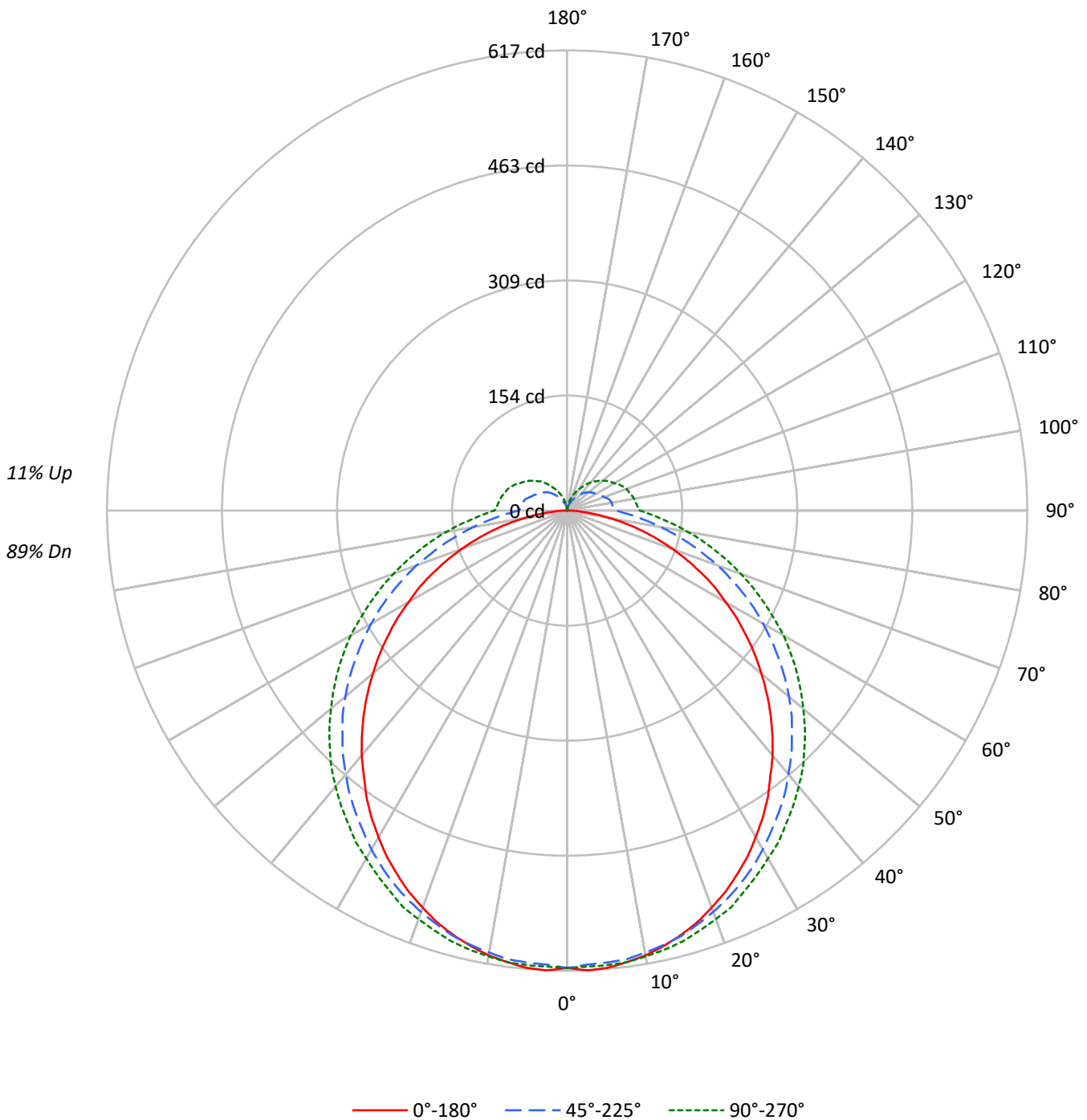
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2183.1 lumens
Efficiency: N/A
Efficacy: 158.2 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: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 13.8
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°	6600	6600	6600
5°	6628	6296	6247
10°	6571	6044	5936
15°	6493	5802	5654
20°	6391	5550	5373
25°	6275	5308	5097
30°	6138	5059	4834
35°	5989	4810	4588
40°	5819	4566	4352
45°	5635	4322	4111
50°	5426	4071	3858
55°	5195	3790	3610
60°	4925	3497	3348
65°	4641	3183	3048
70°	4250	2846	2754
75°	3732	2455	2442
80°	2918	2061	2132
85°	1907	1695	1811



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	2.7
10°-20°	167.4	7.7
20°-30°	254.6	11.7
30°-40°	309.0	14.2
40°-50°	326.5	15.0
50°-60°	305.6	14.0
60°-70°	250.7	11.5
70°-80°	172.4	7.9
80°-90°	94.4	4.3
90°-100°	60.8	2.8
100°-110°	54.6	2.5
110°-120°	45.2	2.1
120°-130°	34.8	1.6
130°-140°	24.4	1.1
140°-150°	14.7	0.7
150°-160°	7.0	0.3
160°-170°	2.3	0.1
170°-180°	0.3	0.0
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0°-30°	480.2	22.0
0°-40°	789.2	36.2
0°-60°	1421.3	65.1
0°-90°	1938.9	88.8
90°-120°	160.6	7.4
90°-150°	234.5	10.7
90°-180°	244.0	11.2
0°-180°	2183.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	613	613	613	613	613	
5°	616	614	608	613	612	58
15°	589	592	590	598	598	166
25°	539	545	551	563	563	248
35°	469	480	494	508	512	293
45°	386	403	426	445	450	297
55°	293	317	346	368	376	263
65°	198	225	259	283	291	197
75°	104	132	169	196	205	109
85°	23	54	92	118	126	26
90°	0	30	64	88	97	2
95°	0	29	62	85	94	0
105°	0	24	58	80	87	1
115°	1	22	49	71	80	1
125°	1	18	42	61	68	1
135°	1	14	34	49	56	1
145°	1	10	24	38	42	1
155°	1	6	15	24	28	1
165°	1	4	8	11	14	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°	613.2	613.2	613.2	613.2	613.2
2.5°	617.0	615.7	609.4	614.5	611.9
5°	615.7	614.5	608.2	613.2	611.9
7.5°	610.7	610.7	606.9	611.9	610.7
10°	605.6	605.6	601.8	608.2	606.9
12.5°	598.0	599.3	596.8	604.4	603.1
15°	589.2	591.7	590.5	598.0	598.0
17.5°	579.1	581.6	581.6	590.5	590.5
20°	566.4	570.2	572.8	582.9	582.9
22.5°	553.8	558.8	562.6	571.5	575.3
25°	538.6	544.9	551.3	562.6	562.6
27.5°	523.4	531.0	538.6	550.0	551.3
30°	505.7	514.6	524.7	536.1	538.6
32.5°	488.0	499.4	509.5	523.4	527.2
35°	469.1	480.5	494.4	508.3	512.1
37.5°	447.6	461.5	479.2	494.4	498.2
40°	428.6	443.8	461.5	479.2	483.0
42.5°	407.1	423.6	445.1	461.5	467.8
45°	385.6	403.3	426.1	445.1	450.1
47.5°	362.9	383.1	408.4	426.1	432.4
50°	340.1	361.6	388.2	408.4	413.4
52.5°	317.4	340.1	367.9	388.2	394.5
55°	293.3	317.4	346.4	367.9	375.5
57.5°	270.6	294.6	324.9	347.7	355.3
60°	245.3	273.1	303.4	326.2	335.1
62.5°	223.8	249.1	282.0	304.7	312.3
65°	198.5	225.1	259.2	283.2	290.8
67.5°	174.5	202.3	236.4	261.7	269.3
70°	150.5	178.3	214.9	239.0	247.8
72.5°	126.4	155.5	190.9	217.5	226.3
75°	103.7	131.5	169.4	196.0	204.8
77.5°	79.7	110.0	147.9	174.5	184.6
80°	58.2	89.8	127.7	154.3	164.4
82.5°	39.2	70.8	108.7	135.3	145.4
85°	22.8	54.4	92.3	117.6	126.4
87.5°	11.4	41.7	77.1	102.4	111.3
90°	0.0	30.3	64.5	88.5	97.4
92.5°	0.0	29.1	63.2	86.0	94.8
95°	0.0	29.1	62.0	84.7	93.6
97.5°	0.0	27.8	60.7	84.7	92.3
100°	0.0	26.6	60.7	83.4	91.0
102.5°	0.0	25.3	59.4	82.2	89.8
105°	0.0	24.0	58.2	79.7	87.2
107.5°	1.3	24.0	55.6	78.4	86.0
110°	1.3	22.8	53.1	77.1	84.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	21.5	50.6	74.6	82.2
115°	1.3	21.5	49.3	70.8	79.7
117.5°	1.3	20.2	46.8	68.3	77.1
120°	1.3	20.2	45.5	65.7	73.3
122.5°	1.3	19.0	43.0	63.2	70.8
125°	1.3	17.7	41.7	60.7	68.3
127.5°	1.3	16.4	40.5	58.2	65.7
130°	1.3	15.2	37.9	55.6	62.0
132.5°	1.3	15.2	36.7	51.8	59.4
135°	1.3	13.9	34.1	49.3	55.6
137.5°	1.3	12.6	31.6	46.8	53.1
140°	1.3	11.4	29.1	44.3	49.3
142.5°	1.3	11.4	26.6	40.5	45.5
145°	1.3	10.1	24.0	37.9	41.7
147.5°	1.3	8.9	21.5	34.1	37.9
150°	1.3	8.9	19.0	30.3	34.1
152.5°	1.3	7.6	16.4	27.8	31.6
155°	1.3	6.3	15.2	24.0	27.8
157.5°	1.3	6.3	12.6	20.2	24.0
160°	1.3	5.1	11.4	16.4	20.2
162.5°	1.3	5.1	10.1	13.9	17.7
165°	1.3	3.8	7.6	11.4	13.9
167.5°	1.3	3.8	6.3	8.9	11.4
170°	1.3	2.5	5.1	6.3	8.9
172.5°	1.3	2.5	3.8	3.8	3.8
175°	1.3	1.3	2.5	2.5	1.3
177.5°	1.3	1.3	1.3	1.3	1.3
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)