

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: P566167

Luminaire Tested: **4SNX-22SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566167
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-SLW-UNV-L835-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

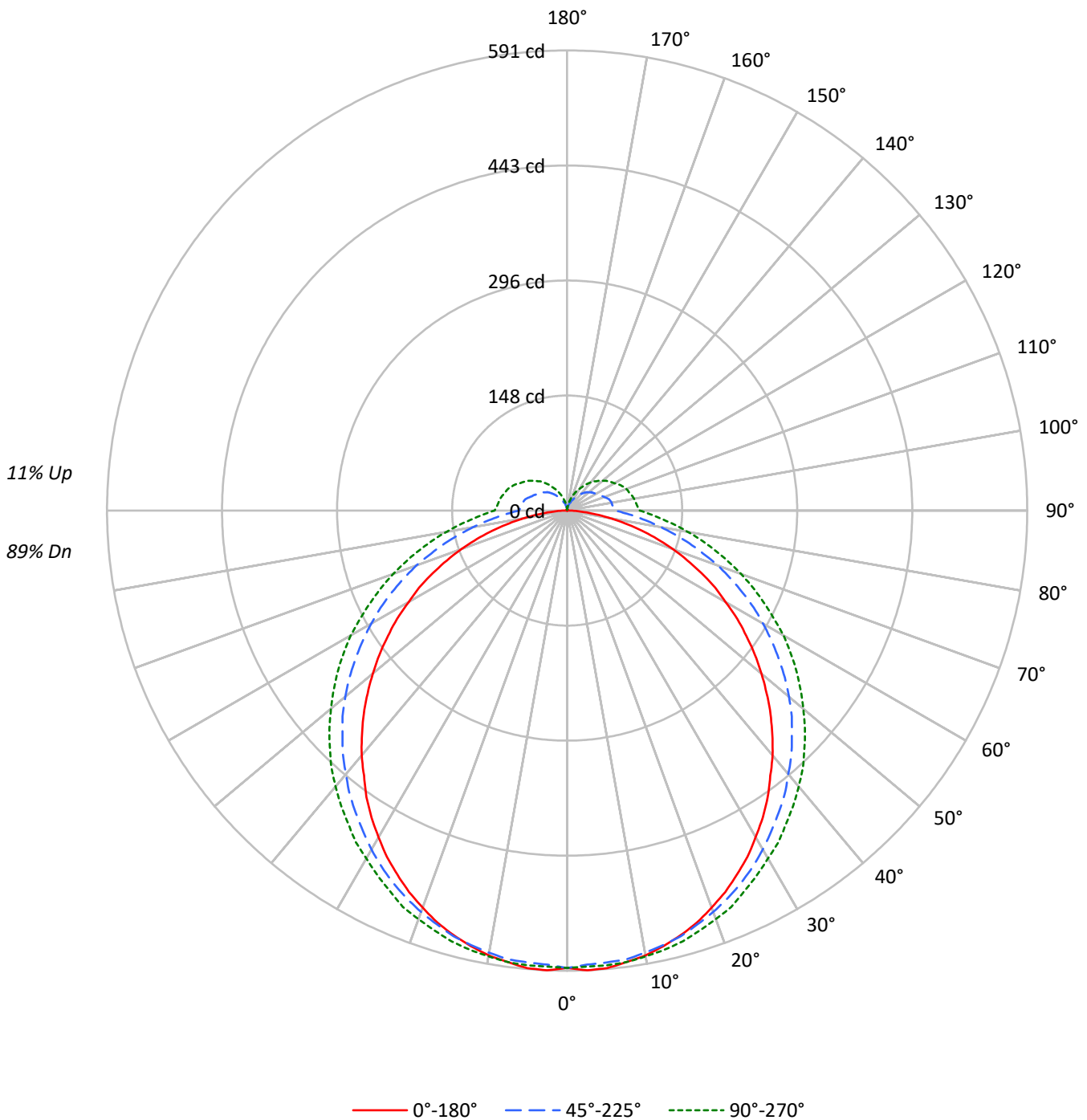
Lumens per Lamp: N/A
Luminaire Lumens: 2091.0 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 13.8
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°	6323	6323	6323
5°	6361	6160	6155
10°	6317	6036	6002
15°	6255	5908	5862
20°	6169	5761	5706
25°	6068	5617	5542
30°	5949	5461	5381
35°	5819	5297	5230
40°	5671	5136	5084
45°	5509	4972	4927
50°	5324	4799	4751
55°	5122	4591	4579
60°	4881	4370	4386
65°	4635	4120	4143
70°	4290	3845	3907
75°	3833	3496	3644
80°	3089	3140	3384
85°	2176	2835	3119



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.8	2.7
10°-20°	160.4	7.7
20°-30°	243.8	11.7
30°-40°	296.0	14.2
40°-50°	312.8	15.0
50°-60°	292.7	14.0
60°-70°	240.2	11.5
70°-80°	165.2	7.9
80°-90°	90.5	4.3
90°-100°	58.2	2.8
100°-110°	52.3	2.5
110°-120°	43.3	2.1
120°-130°	33.3	1.6
130°-140°	23.4	1.1
140°-150°	14.1	0.7
150°-160°	6.8	0.3
160°-170°	2.2	0.1
170°-180°	0.3	0.0
0°-30°	460.0	22.0
0°-40°	756.0	36.2
0°-60°	1361.4	65.1
0°-90°	1857.2	88.8
90°-120°	153.8	7.4
90°-150°	224.6	10.7
90°-180°	234.0	11.2
0°-180°	2091.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	587	587	587	587	587	
5°	590	589	582	587	586	56
15°	564	567	566	573	573	159
25°	516	522	528	539	539	238
35°	449	460	474	487	490	281
45°	369	386	408	426	431	285
55°	281	304	332	352	360	251
65°	190	216	248	271	278	188
75°	99	126	162	188	196	105
85°	22	52	88	113	121	25
90°	0	29	62	85	93	1
95°	0	28	59	81	90	0
105°	0	23	56	76	84	1
115°	1	21	47	68	76	1
125°	1	17	40	58	65	1
135°	1	13	33	47	53	1
145°	1	10	23	36	40	1
155°	1	6	14	23	27	1
165°	1	4	7	11	13	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°	587.4	587.4	587.4	587.4	587.4
2.5°	591.0	589.8	583.7	588.6	586.2
5°	589.8	588.6	582.5	587.4	586.2
7.5°	584.9	584.9	581.3	586.2	584.9
10°	580.1	580.1	576.5	582.5	581.3
12.5°	572.8	574.0	571.6	578.9	577.7
15°	564.4	566.8	565.6	572.8	572.8
17.5°	554.7	557.1	557.1	565.6	565.6
20°	542.6	546.2	548.6	558.3	558.3
22.5°	530.4	535.3	538.9	547.4	551.0
25°	515.9	522.0	528.0	538.9	538.9
27.5°	501.4	508.6	515.9	526.8	528.0
30°	484.4	492.9	502.6	513.5	515.9
32.5°	467.5	478.4	488.1	501.4	505.0
35°	449.3	460.2	473.5	486.8	490.5
37.5°	428.7	442.0	459.0	473.5	477.2
40°	410.6	425.1	442.0	459.0	462.6
42.5°	390.0	405.7	426.3	442.0	448.1
45°	369.4	386.3	408.1	426.3	431.1
47.5°	347.6	367.0	391.2	408.1	414.2
50°	325.8	346.4	371.8	391.2	396.0
52.5°	304.0	325.8	352.4	371.8	377.9
55°	281.0	304.0	331.8	352.4	359.7
57.5°	259.2	282.2	311.2	333.0	340.3
60°	234.9	261.6	290.7	312.5	320.9
62.5°	214.4	238.6	270.1	291.9	299.1
65°	190.1	215.6	248.3	271.3	278.5
67.5°	167.1	193.8	226.5	250.7	258.0
70°	144.1	170.8	205.9	228.9	237.4
72.5°	121.1	149.0	182.9	208.3	216.8
75°	99.3	126.0	162.3	187.7	196.2
77.5°	76.3	105.4	141.7	167.1	176.8
80°	55.7	86.0	122.3	147.7	157.4
82.5°	37.5	67.8	104.2	129.6	139.3
85°	21.8	52.1	88.4	112.6	121.1
87.5°	10.9	40.0	73.9	98.1	106.6
90°	0.0	29.1	61.8	84.8	93.3
92.5°	0.0	27.9	60.6	82.4	90.8
95°	0.0	27.9	59.3	81.1	89.6
97.5°	0.0	26.6	58.1	81.1	88.4
100°	0.0	25.4	58.1	79.9	87.2
102.5°	0.0	24.2	56.9	78.7	86.0
105°	0.0	23.0	55.7	76.3	83.6
107.5°	1.2	23.0	53.3	75.1	82.4
110°	1.2	21.8	50.9	73.9	81.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	20.6	48.4	71.5	78.7
115°	1.2	20.6	47.2	67.8	76.3
117.5°	1.2	19.4	44.8	65.4	73.9
120°	1.2	19.4	43.6	63.0	70.2
122.5°	1.2	18.2	41.2	60.6	67.8
125°	1.2	17.0	40.0	58.1	65.4
127.5°	1.2	15.7	38.8	55.7	63.0
130°	1.2	14.5	36.3	53.3	59.3
132.5°	1.2	14.5	35.1	49.7	56.9
135°	1.2	13.3	32.7	47.2	53.3
137.5°	1.2	12.1	30.3	44.8	50.9
140°	1.2	10.9	27.9	42.4	47.2
142.5°	1.2	10.9	25.4	38.8	43.6
145°	1.2	9.7	23.0	36.3	40.0
147.5°	1.2	8.5	20.6	32.7	36.3
150°	1.2	8.5	18.2	29.1	32.7
152.5°	1.2	7.3	15.7	26.6	30.3
155°	1.2	6.1	14.5	23.0	26.6
157.5°	1.2	6.1	12.1	19.4	23.0
160°	1.2	4.8	10.9	15.7	19.4
162.5°	1.2	4.8	9.7	13.3	17.0
165°	1.2	3.6	7.3	10.9	13.3
167.5°	1.2	3.6	6.1	8.5	10.9
170°	1.2	2.4	4.8	6.1	8.5
172.5°	1.2	2.4	3.6	3.6	3.6
175°	1.2	1.2	2.4	2.4	1.2
177.5°	1.2	1.2	1.2	1.2	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)