

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: P566148

Luminaire Tested: **4SNX-22SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-22SL-LC-UNV-L940-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

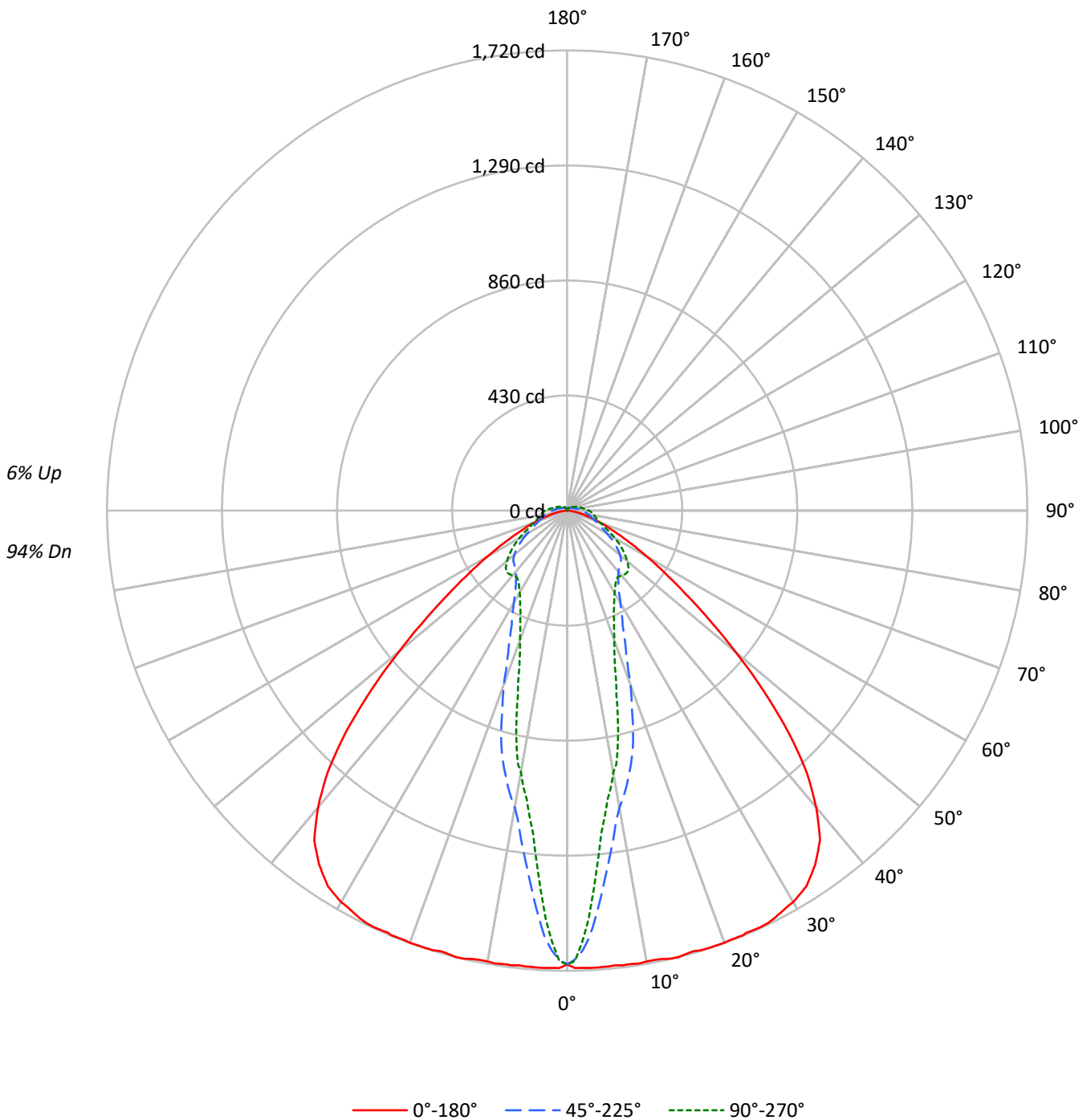
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2091.0 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18259	18259	18259
5°	18423	14997	13424
10°	18568	11321	9716
15°	18907	9254	6727
20°	19394	6697	4751
25°	20000	4798	3738
30°	20511	3833	3183
35°	20633	3242	2851
40°	19670	2947	2858
45°	17069	2848	2936
50°	13095	2709	2740
55°	9490	2369	2431
60°	6885	1977	2055
65°	5010	1671	1685
70°	3691	1475	1453
75°	2624	1367	1354
80°	1720	1280	1334
85°	803	1219	1335



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	6.4
10°-20°	289.7	13.9
20°-30°	331.6	15.9
30°-40°	332.2	15.9
40°-50°	314.5	15.0
50°-60°	241.2	11.5
60°-70°	155.4	7.4
70°-80°	99.1	4.7
80°-90°	65.8	3.1
90°-100°	44.3	2.1
100°-110°	29.2	1.4
110°-120°	20.3	1.0
120°-130°	14.1	0.7
130°-140°	9.8	0.5
140°-150°	6.0	0.3
150°-160°	3.0	0.1
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	754.7	36.1
0°-40°	1086.9	52.0
0°-60°	1642.5	78.5
0°-90°	1962.9	93.9
90°-120°	93.7	4.5
90°-150°	123.7	5.9
90°-180°	128.0	6.1
0°-180°	2091.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1696	1696	1696	1696	1696	
5°	1711	1617	1449	1351	1315	163
15°	1716	1236	942	774	712	487
25°	1717	874	498	433	413	791
35°	1616	486	333	322	318	1003
45°	1168	308	281	311	322	888
55°	536	220	216	243	253	493
65°	214	138	136	155	161	220
75°	73	75	94	108	114	80
85°	10	34	66	87	93	13
90°	0	24	56	77	80	0
95°	0	17	46	63	66	0
105°	0	13	30	43	46	1
115°	1	11	22	31	33	1
125°	1	10	19	22	24	1
135°	1	8	15	18	19	1
145°	1	5	11	14	15	1
155°	1	3	6	10	11	1
165°	2	2	4	5	6	1
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1696.3	1696.3	1696.3	1696.3	1696.3
1°	1710.3	1700.6	1678.1	1684.5	1683.5
2°	1710.3	1689.9	1646.0	1633.1	1613.8
3°	1711.3	1671.7	1596.7	1554.9	1528.1
4°	1711.3	1644.9	1523.8	1454.1	1419.9
5°	1711.3	1617.0	1448.8	1351.3	1314.8
6°	1709.2	1583.8	1372.7	1269.8	1215.2
7°	1712.4	1547.4	1304.1	1193.7	1150.9
8°	1711.3	1504.5	1240.9	1135.9	1088.7
9°	1714.5	1462.7	1172.3	1081.2	1045.9
10°	1711.3	1424.1	1127.3	1029.8	993.4
11°	1711.3	1386.6	1095.2	996.6	965.5
12°	1713.5	1343.8	1059.8	949.4	906.6
13°	1718.8	1299.8	1019.1	898.0	847.6
14°	1719.9	1266.6	981.6	832.6	780.1
15°	1715.6	1235.5	941.9	773.7	711.5
16°	1713.5	1203.4	894.8	718.0	662.2
17°	1717.8	1165.9	841.2	661.2	609.7
18°	1718.8	1131.6	784.4	618.3	573.3
19°	1718.8	1104.8	738.3	578.7	540.1
20°	1718.8	1079.1	691.2	548.7	515.4
21°	1716.7	1046.9	637.6	517.6	489.7
22.5°	1717.8	986.9	576.5	481.1	458.6
23°	1714.5	971.9	561.5	471.5	447.9
24°	1715.6	929.1	529.4	452.2	429.7
25°	1716.7	874.4	498.3	432.9	412.6
26°	1714.5	830.5	472.6	414.7	400.8
27°	1709.2	795.1	454.4	399.7	386.8
28°	1701.7	748.0	435.1	386.8	375.1
29°	1694.2	694.4	415.8	372.9	364.3
30°	1689.9	651.5	397.6	362.2	354.7
32.5°	1664.2	566.9	360.1	340.8	334.3
35°	1616.0	486.5	333.3	322.5	318.3
37.5°	1552.7	424.3	312.9	310.8	311.8
40°	1448.8	375.1	297.9	307.5	317.2
42.5°	1324.5	336.5	287.2	310.8	321.5
45°	1168.0	307.5	280.8	310.8	321.5
47.5°	994.4	284.0	273.3	300.0	310.8
50°	820.8	262.5	258.3	284.0	293.6
52.5°	667.6	242.2	239.0	263.6	273.3
55°	535.8	219.7	216.5	243.3	252.9
57.5°	429.7	198.2	195.0	219.7	229.3
60°	342.9	176.8	171.5	196.1	205.7
62.5°	273.3	156.5	153.2	174.7	183.2
65°	214.3	138.2	136.1	155.4	160.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	169.3	121.1	122.2	138.2	144.7
70°	130.7	105.0	111.4	126.4	130.7
72.5°	98.6	88.9	102.9	115.7	121.1
75°	72.9	75.0	94.3	108.2	113.6
77.5°	50.4	62.2	86.8	101.8	107.2
80°	34.3	50.4	79.3	96.4	102.9
82.5°	20.4	41.8	72.9	91.1	98.6
85°	9.6	34.3	66.4	86.8	93.2
87.5°	3.2	27.9	60.0	82.5	87.9
90°	0.0	23.6	55.7	77.2	80.4
92.5°	0.0	20.4	50.4	70.7	72.9
95°	0.0	17.1	46.1	63.2	66.4
97.5°	0.0	16.1	42.9	56.8	61.1
100°	0.0	15.0	38.6	51.4	55.7
102.5°	0.0	12.9	34.3	46.1	50.4
105°	0.0	12.9	30.0	42.9	46.1
107.5°	1.1	11.8	27.9	38.6	42.9
110°	1.1	11.8	24.6	36.4	39.6
112.5°	1.1	11.8	23.6	33.2	37.5
115°	1.1	10.7	22.5	31.1	33.2
117.5°	1.1	10.7	21.4	27.9	30.0
120°	1.1	9.6	20.4	25.7	26.8
122.5°	1.1	9.6	19.3	23.6	24.6
125°	1.1	9.6	19.3	22.5	23.6
127.5°	1.1	8.6	18.2	21.4	21.4
130°	1.1	8.6	17.1	20.4	20.4
132.5°	1.1	7.5	16.1	19.3	20.4
135°	1.1	7.5	15.0	18.2	19.3
137.5°	1.1	6.4	13.9	17.1	18.2
140°	1.1	6.4	12.9	16.1	17.1
142.5°	1.1	5.4	11.8	15.0	16.1
145°	1.1	5.4	10.7	13.9	15.0
147.5°	1.1	5.4	9.6	12.9	13.9
150°	1.1	4.3	8.6	11.8	12.9
152.5°	1.1	4.3	7.5	10.7	11.8
155°	1.1	3.2	6.4	9.6	10.7
157.5°	1.1	3.2	6.4	8.6	9.6
160°	2.1	3.2	5.4	7.5	8.6
162.5°	1.1	2.1	5.4	6.4	7.5
165°	2.1	2.1	4.3	5.4	6.4
167.5°	2.1	2.1	3.2	4.3	5.4
170°	2.1	2.1	3.2	3.2	4.3
172.5°	2.1	2.1	2.1	3.2	2.1
175°	2.1	2.1	2.1	2.1	1.1
177.5°	2.1	2.1	2.1	2.1	1.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)