

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: P566392

Luminaire Tested: **4SNX-41SL-LN-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-41SL-LN-UNV-L840-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

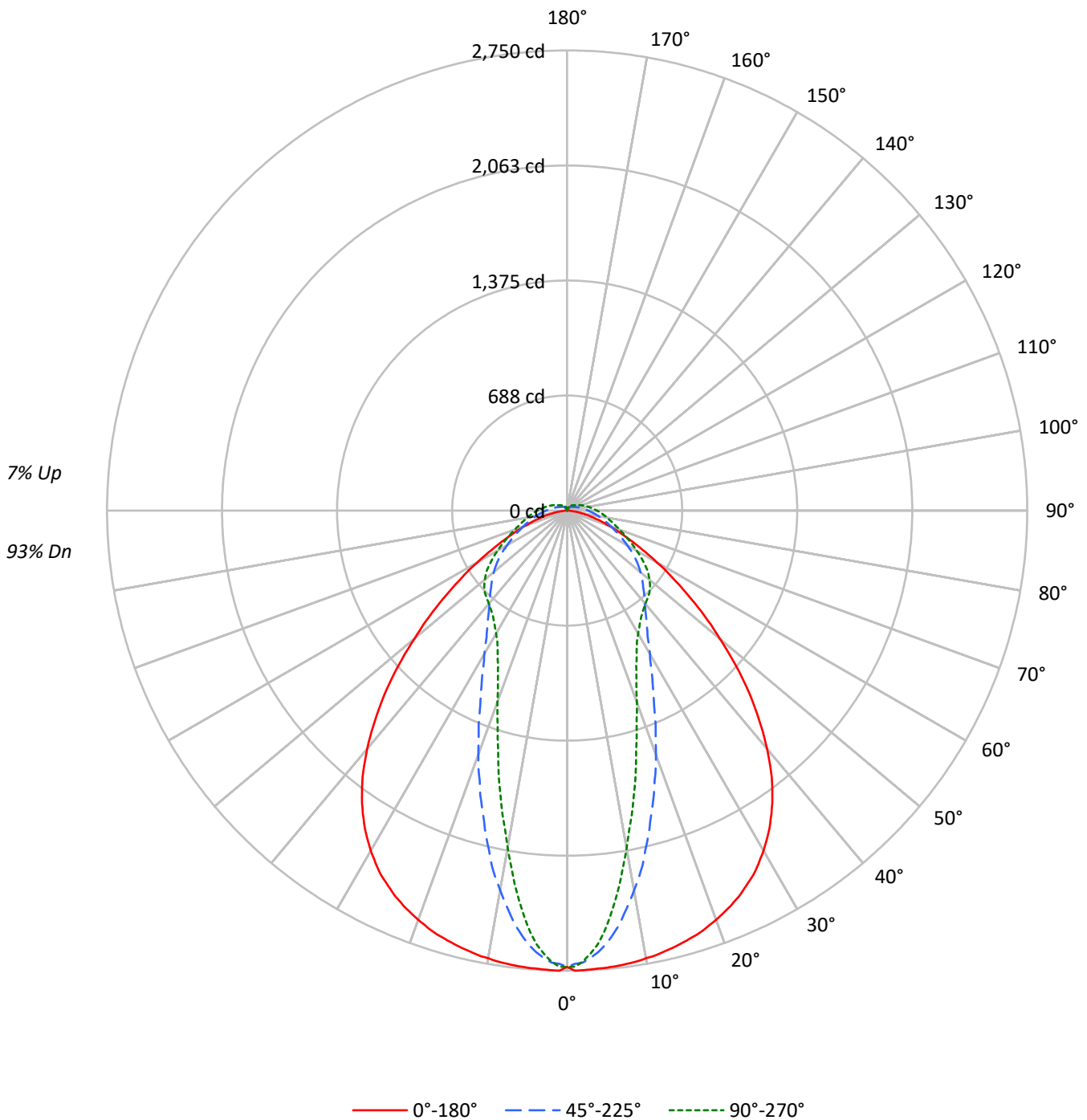
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4348.0 lumens
Efficiency: N/A
Efficacy: 165.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 26.3
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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29360	29360	29360
5°	29512	26985	25824
10°	29471	23137	20036
15°	29457	18874	15017
20°	29363	15035	11238
25°	29097	11782	8919
30°	28487	9535	7608
35°	27290	8070	6920
40°	25244	7124	6550
45°	22445	6517	6348
50°	19013	5998	5996
55°	15620	5435	5477
60°	12491	4780	4804
65°	9696	4197	4180
70°	7528	3713	3698
75°	5823	3337	3369
80°	4111	3052	3131
85°	2284	2846	3003



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.5	5.6
10°-20°	566.2	13.0
20°-30°	672.1	15.5
30°-40°	676.2	15.6
40°-50°	628.5	14.5
50°-60°	517.6	11.9
60°-70°	364.7	8.4
70°-80°	238.3	5.5
80°-90°	152.1	3.5
90°-100°	99.8	2.3
100°-110°	67.7	1.6
110°-120°	46.4	1.1
120°-130°	32.1	0.7
130°-140°	21.6	0.5
140°-150°	13.3	0.3
150°-160°	6.9	0.2
160°-170°	2.5	0.1
170°-180°	0.4	0.0
0°-30°	1479.8	34.0
0°-40°	2156.0	49.6
0°-60°	3302.1	75.9
0°-90°	4057.2	93.3
90°-120°	213.9	4.9
90°-150°	281.0	6.5
90°-180°	291.0	6.7
0°-180°	4348.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2728	2728	2728	2728	2728	
5°	2741	2705	2607	2557	2529	261
15°	2673	2388	1921	1679	1588	755
25°	2498	1846	1224	1028	984	1149
35°	2137	1249	830	777	772	1329
45°	1536	823	643	677	695	1179
55°	882	540	497	552	570	796
65°	415	326	342	385	399	421
75°	162	169	230	271	283	175
85°	27	78	155	200	210	34
90°	0	52	125	171	178	2
95°	0	39	105	144	150	0
105°	0	27	71	100	109	0
115°	2	23	50	73	78	2
125°	2	18	41	52	57	2
135°	2	16	32	41	43	2
145°	2	11	23	32	34	1
155°	2	9	16	23	25	1
165°	2	5	9	11	14	1
175°	5	5	5	5	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2727.6	2727.6	2727.6	2727.6	2727.6
1°	2750.4	2739.0	2709.4	2729.9	2725.4
2°	2748.1	2736.7	2702.6	2711.7	2695.7
3°	2745.9	2729.9	2677.5	2675.2	2652.4
4°	2743.6	2718.5	2645.6	2618.3	2600.0
5°	2741.3	2704.8	2606.9	2556.7	2529.4
6°	2739.0	2688.9	2556.7	2481.5	2442.8
7°	2734.5	2663.8	2504.3	2401.8	2351.6
8°	2729.9	2641.0	2438.2	2315.2	2253.7
9°	2725.4	2611.4	2372.1	2221.8	2148.8
10°	2716.2	2581.8	2303.8	2126.0	2048.6
11°	2711.7	2547.6	2237.7	2034.9	1943.8
12°	2702.6	2511.2	2167.1	1939.2	1859.4
13°	2693.4	2472.4	2080.5	1857.2	1761.5
14°	2684.3	2431.4	2005.3	1766.0	1677.1
15°	2672.9	2388.1	1921.0	1679.4	1588.3
16°	2661.5	2338.0	1845.8	1590.5	1494.8
17°	2650.2	2290.1	1775.1	1508.5	1421.9
18°	2636.5	2242.3	1693.1	1428.8	1344.4
19°	2618.3	2187.6	1627.0	1355.8	1278.4
20°	2602.3	2137.4	1551.8	1287.5	1219.1
21°	2584.1	2075.9	1476.6	1223.7	1155.3
22.5°	2556.7	1989.3	1380.9	1143.9	1080.1
23°	2543.1	1964.3	1342.2	1114.3	1059.6
24°	2524.8	1898.2	1278.4	1068.7	1014.0
25°	2497.5	1845.8	1223.7	1027.7	984.4
26°	2472.4	1782.0	1169.0	991.2	947.9
27°	2447.3	1720.4	1121.1	952.5	916.0
28°	2415.4	1656.6	1068.7	920.6	888.7
29°	2381.3	1597.4	1025.4	893.3	868.2
30°	2347.1	1531.3	989.0	868.2	847.7
32.5°	2251.4	1385.5	895.5	820.3	806.7
35°	2137.4	1248.7	829.5	777.0	772.5
37.5°	2009.8	1123.4	770.2	742.9	747.4
40°	1859.4	1009.5	720.1	717.8	726.9
42.5°	1699.9	911.5	681.3	697.3	711.0
45°	1535.9	822.6	642.6	676.8	695.0
47.5°	1365.0	745.1	608.4	651.7	672.2
50°	1191.8	669.9	572.0	622.1	642.6
52.5°	1036.8	603.9	535.5	587.9	610.7
55°	881.9	540.1	496.8	551.5	569.7
57.5°	747.4	480.8	455.7	510.4	524.1
60°	622.1	423.8	414.7	464.9	480.8
62.5°	508.2	373.7	376.0	423.8	439.8
65°	414.7	325.9	341.8	385.1	398.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	337.3	280.3	307.6	353.2	364.6
70°	266.6	239.3	280.3	321.3	332.7
72.5°	211.9	202.8	252.9	296.2	305.3
75°	161.8	168.6	230.2	271.2	282.6
77.5°	116.2	141.3	207.4	250.7	259.8
80°	82.0	116.2	189.1	232.4	241.5
82.5°	52.4	95.7	170.9	216.5	225.6
85°	27.3	77.5	155.0	200.5	209.6
87.5°	11.4	63.8	139.0	184.6	193.7
90°	0.0	52.4	125.3	170.9	177.7
92.5°	0.0	45.6	113.9	157.2	164.1
95°	0.0	38.7	104.8	143.6	150.4
97.5°	0.0	36.5	93.4	132.2	139.0
100°	0.0	31.9	84.3	120.8	129.9
102.5°	0.0	29.6	77.5	109.4	118.5
105°	0.0	27.3	70.6	100.3	109.4
107.5°	0.0	25.1	66.1	93.4	100.3
110°	0.0	25.1	59.2	86.6	93.4
112.5°	2.3	22.8	54.7	77.5	84.3
115°	2.3	22.8	50.1	72.9	77.5
117.5°	2.3	22.8	47.9	66.1	70.6
120°	2.3	20.5	45.6	61.5	66.1
122.5°	2.3	20.5	43.3	57.0	59.2
125°	2.3	18.2	41.0	52.4	57.0
127.5°	2.3	18.2	38.7	50.1	52.4
130°	2.3	18.2	36.5	45.6	50.1
132.5°	2.3	16.0	34.2	43.3	45.6
135°	2.3	16.0	31.9	41.0	43.3
137.5°	2.3	13.7	29.6	38.7	41.0
140°	2.3	13.7	27.3	36.5	38.7
142.5°	2.3	11.4	25.1	34.2	36.5
145°	2.3	11.4	22.8	31.9	34.2
147.5°	2.3	11.4	20.5	29.6	31.9
150°	2.3	9.1	18.2	27.3	29.6
152.5°	2.3	9.1	16.0	25.1	27.3
155°	2.3	9.1	16.0	22.8	25.1
157.5°	2.3	6.8	13.7	18.2	22.8
160°	2.3	6.8	11.4	16.0	20.5
162.5°	2.3	6.8	11.4	13.7	16.0
165°	2.3	4.6	9.1	11.4	13.7
167.5°	2.3	4.6	6.8	9.1	11.4
170°	2.3	4.6	6.8	6.8	9.1
172.5°	2.3	4.6	4.6	4.6	4.6
175°	4.6	4.6	4.6	4.6	2.3
177.5°	4.6	4.6	4.6	2.3	2.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)