

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: P566584

Luminaire Tested: **4SNX-57SL-LN-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566584
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-57SL-LN-UNV-L840-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

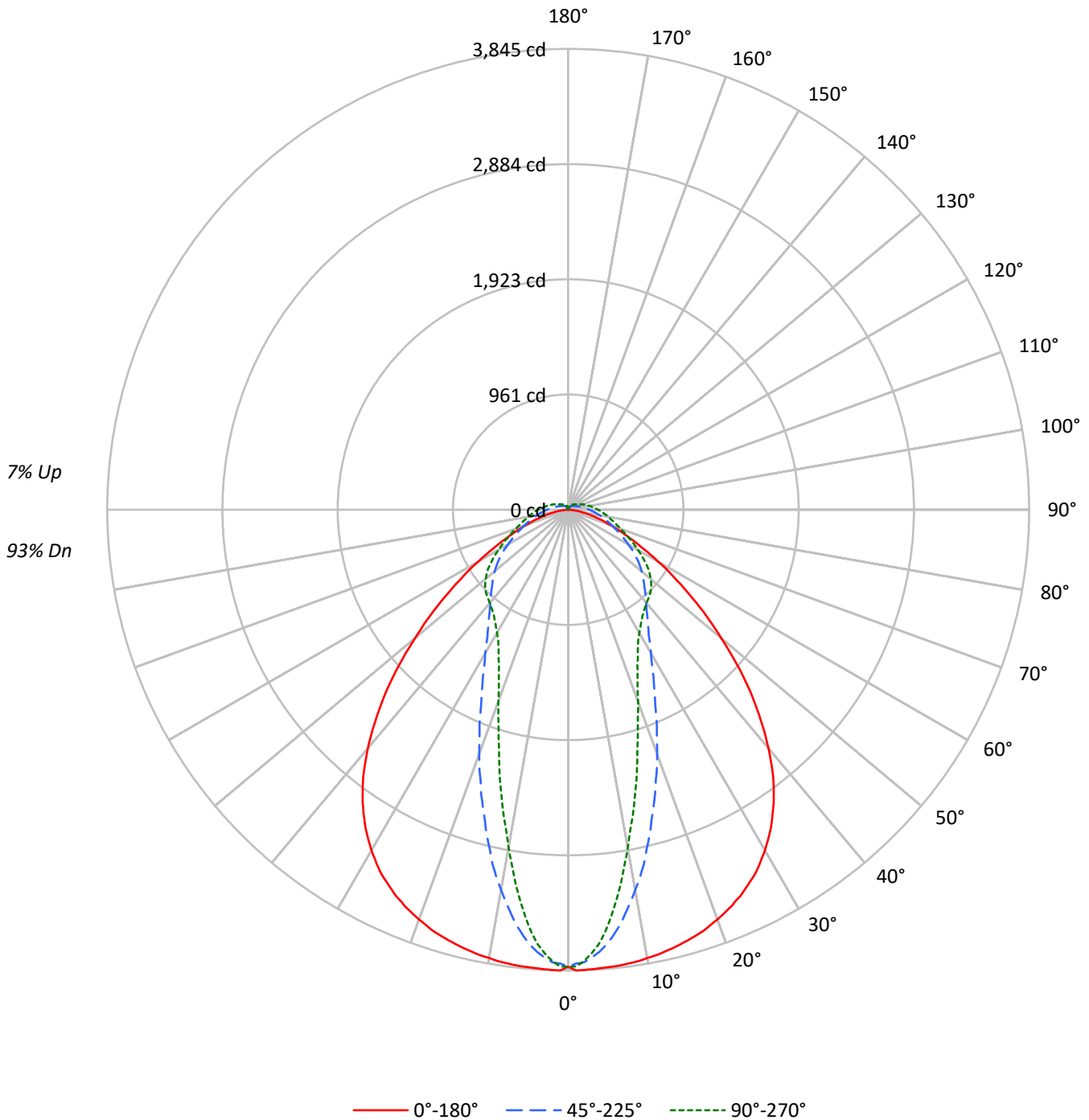
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6079.0 lumens
Efficiency: N/A
Efficacy: 153.1 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): 39.7
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°	41048	41048	41048
5°	41262	37728	36105
10°	41205	32348	28012
15°	41185	26387	20995
20°	41053	21020	15712
25°	40681	16471	12469
30°	39828	13331	10637
35°	38155	11282	9675
40°	35295	9960	9158
45°	31380	9112	8875
50°	26582	8386	8383
55°	21837	7598	7657
60°	17464	6684	6716
65°	13556	5868	5844
70°	10527	5191	5169
75°	8141	4664	4711
80°	5751	4267	4378
85°	3196	3978	4199



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.7	5.6
10°-20°	791.6	13.0
20°-30°	939.7	15.5
30°-40°	945.4	15.6
40°-50°	878.8	14.5
50°-60°	723.6	11.9
60°-70°	509.9	8.4
70°-80°	333.1	5.5
80°-90°	212.7	3.5
90°-100°	139.5	2.3
100°-110°	94.7	1.6
110°-120°	64.9	1.1
120°-130°	44.9	0.7
130°-140°	30.2	0.5
140°-150°	18.6	0.3
150°-160°	9.7	0.2
160°-170°	3.5	0.1
170°-180°	0.6	0.0
0°-30°	2069.0	34.0
0°-40°	3014.4	49.6
0°-60°	4616.8	75.9
0°-90°	5672.4	93.3
90°-120°	299.1	4.9
90°-150°	392.8	6.5
90°-180°	407.0	6.7
0°-180°	6079.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3814	3814	3814	3814	3814	
5°	3833	3782	3645	3575	3536	365
15°	3737	3339	2686	2348	2221	1055
25°	3492	2581	1711	1437	1376	1607
35°	2988	1746	1160	1086	1080	1858
45°	2147	1150	898	946	972	1648
55°	1233	755	694	771	796	1114
65°	580	456	478	538	558	588
75°	226	236	322	379	395	245
85°	38	108	217	280	293	48
90°	0	73	175	239	248	2
95°	0	54	147	201	210	0
105°	0	38	99	140	153	0
115°	3	32	70	102	108	3
125°	3	26	57	73	80	3
135°	3	22	45	57	60	2
145°	3	16	32	45	48	2
155°	3	13	22	32	35	1
165°	3	6	13	16	19	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3813.5	3813.5	3813.5	3813.5	3813.5
1°	3845.4	3829.5	3788.1	3816.7	3810.4
2°	3842.2	3826.3	3778.5	3791.2	3768.9
3°	3839.0	3816.7	3743.4	3740.3	3708.4
4°	3835.8	3800.8	3698.8	3660.6	3635.1
5°	3832.7	3781.7	3644.7	3574.6	3536.4
6°	3829.5	3759.4	3574.6	3469.5	3415.3
7°	3823.1	3724.3	3501.3	3358.0	3287.9
8°	3816.7	3692.5	3408.9	3236.9	3150.9
9°	3810.4	3651.1	3316.5	3106.3	3004.3
10°	3797.6	3609.6	3221.0	2972.5	2864.1
11°	3791.2	3561.9	3128.6	2845.0	2717.6
12°	3778.5	3510.9	3029.8	2711.2	2599.7
13°	3765.8	3456.7	2908.7	2596.5	2462.7
14°	3753.0	3399.4	2803.6	2469.1	2344.8
15°	3737.1	3338.8	2685.7	2348.0	2220.6
16°	3721.1	3268.7	2580.6	2223.8	2090.0
17°	3705.2	3201.8	2481.8	2109.1	1988.0
18°	3686.1	3134.9	2367.1	1997.6	1879.7
19°	3660.6	3058.5	2274.7	1895.6	1787.3
20°	3638.3	2988.4	2169.6	1800.0	1704.5
21°	3612.8	2902.4	2064.5	1710.8	1615.3
22.5°	3574.6	2781.3	1930.7	1599.3	1510.1
23°	3555.5	2746.3	1876.5	1557.9	1481.4
24°	3530.0	2653.9	1787.3	1494.2	1417.7
25°	3491.8	2580.6	1710.8	1436.8	1376.3
26°	3456.7	2491.4	1634.4	1385.9	1325.3
27°	3421.7	2405.4	1567.5	1331.7	1280.7
28°	3377.1	2316.2	1494.2	1287.1	1242.5
29°	3329.3	2233.3	1433.7	1248.9	1213.8
30°	3281.5	2140.9	1382.7	1213.8	1185.2
32.5°	3147.7	1937.0	1252.1	1146.9	1127.8
35°	2988.4	1745.9	1159.7	1086.4	1080.0
37.5°	2810.0	1570.7	1076.8	1038.6	1045.0
40°	2599.7	1411.4	1006.7	1003.6	1016.3
42.5°	2376.7	1274.4	952.6	974.9	994.0
45°	2147.3	1150.1	898.4	946.2	971.7
47.5°	1908.4	1041.8	850.6	911.2	939.8
50°	1666.2	936.7	799.7	869.8	898.4
52.5°	1449.6	844.3	748.7	822.0	853.8
55°	1232.9	755.1	694.5	771.0	796.5
57.5°	1045.0	672.2	637.2	713.6	732.8
60°	869.8	592.6	579.8	649.9	672.2
62.5°	710.5	522.5	525.7	592.6	614.9
65°	579.8	455.6	477.9	538.4	557.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	471.5	391.9	430.1	493.8	509.7
70°	372.8	334.5	391.9	449.2	465.1
72.5°	296.3	283.5	353.6	414.2	426.9
75°	226.2	235.8	321.8	379.1	395.1
77.5°	162.5	197.5	289.9	350.5	363.2
80°	114.7	162.5	264.4	325.0	337.7
82.5°	73.3	133.8	238.9	302.7	315.4
85°	38.2	108.3	216.6	280.4	293.1
87.5°	15.9	89.2	194.3	258.1	270.8
90°	0.0	73.3	175.2	238.9	248.5
92.5°	0.0	63.7	159.3	219.8	229.4
95°	0.0	54.2	146.6	200.7	210.3
97.5°	0.0	51.0	130.6	184.8	194.3
100°	0.0	44.6	117.9	168.9	181.6
102.5°	0.0	41.4	108.3	152.9	165.7
105°	0.0	38.2	98.8	140.2	152.9
107.5°	0.0	35.0	92.4	130.6	140.2
110°	0.0	35.0	82.8	121.1	130.6
112.5°	3.2	31.9	76.5	108.3	117.9
115°	3.2	31.9	70.1	101.9	108.3
117.5°	3.2	31.9	66.9	92.4	98.8
120°	3.2	28.7	63.7	86.0	92.4
122.5°	3.2	28.7	60.5	79.6	82.8
125°	3.2	25.5	57.3	73.3	79.6
127.5°	3.2	25.5	54.2	70.1	73.3
130°	3.2	25.5	51.0	63.7	70.1
132.5°	3.2	22.3	47.8	60.5	63.7
135°	3.2	22.3	44.6	57.3	60.5
137.5°	3.2	19.1	41.4	54.2	57.3
140°	3.2	19.1	38.2	51.0	54.2
142.5°	3.2	15.9	35.0	47.8	51.0
145°	3.2	15.9	31.9	44.6	47.8
147.5°	3.2	15.9	28.7	41.4	44.6
150°	3.2	12.7	25.5	38.2	41.4
152.5°	3.2	12.7	22.3	35.0	38.2
155°	3.2	12.7	22.3	31.9	35.0
157.5°	3.2	9.6	19.1	25.5	31.9
160°	3.2	9.6	15.9	22.3	28.7
162.5°	3.2	9.6	15.9	19.1	22.3
165°	3.2	6.4	12.7	15.9	19.1
167.5°	3.2	6.4	9.6	12.7	15.9
170°	3.2	6.4	9.6	9.6	12.7
172.5°	3.2	6.4	6.4	6.4	6.4
175°	6.4	6.4	6.4	6.4	3.2
177.5°	6.4	6.4	6.4	3.2	3.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)