

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: P566576

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566576
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-57SL-LC-UNV-L840-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

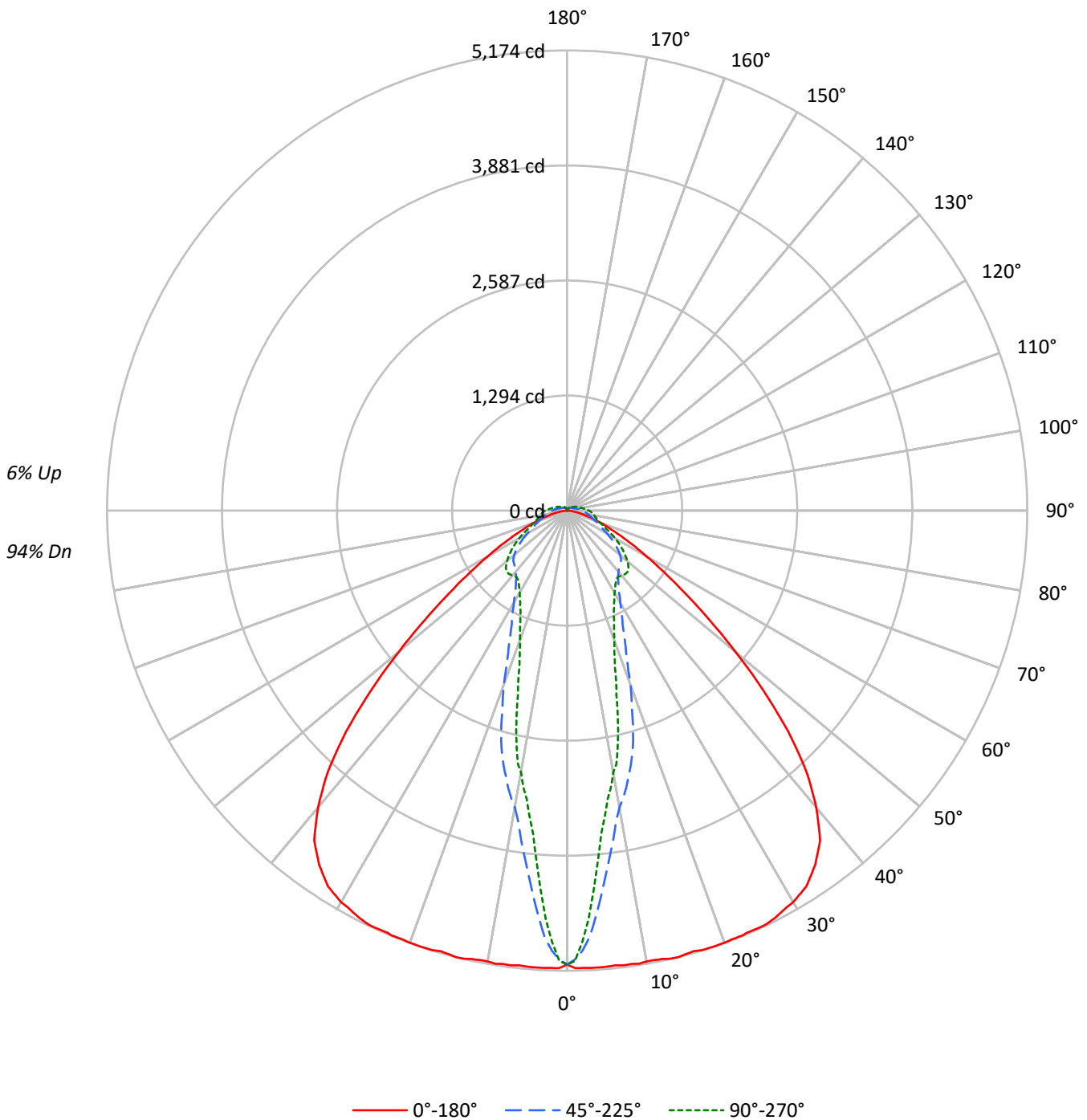
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6291.0 lumens
Efficiency: N/A
Efficacy: 158.5 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): 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	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°	54935	54935	54935
5°	55430	45120	40387
10°	55865	34062	29229
15°	56884	27843	20240
20°	58351	20147	14294
25°	60171	14434	11245
30°	61708	11532	9577
35°	62074	9755	8578
40°	59178	8867	8599
45°	51354	8567	8834
50°	39399	8148	8244
55°	28552	7124	7315
60°	20715	5946	6184
65°	15076	5027	5069
70°	11106	4441	4371
75°	7889	4112	4074
80°	5174	3851	4013
85°	2426	3671	4019



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.4	6.4
10°-20°	871.6	13.9
20°-30°	997.6	15.9
30°-40°	999.4	15.9
40°-50°	946.1	15.0
50°-60°	725.6	11.5
60°-70°	467.7	7.4
70°-80°	298.2	4.7
80°-90°	198.0	3.1
90°-100°	133.1	2.1
100°-110°	87.7	1.4
110°-120°	61.0	1.0
120°-130°	42.6	0.7
130°-140°	29.6	0.5
140°-150°	18.1	0.3
150°-160°	9.2	0.1
160°-170°	3.5	0.1
170°-180°	0.7	0.0
0°-30°	2270.5	36.1
0°-40°	3270.0	52.0
0°-60°	4941.6	78.6
0°-90°	5905.5	93.9
90°-120°	281.9	4.5
90°-150°	372.1	5.9
90°-180°	385.0	6.1
0°-180°	6291.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5104	5104	5104	5104	5104	
5°	5149	4865	4359	4065	3956	492
15°	5162	3717	2834	2328	2141	1464
25°	5165	2631	1499	1302	1241	2381
35°	4862	1464	1003	970	958	3016
45°	3514	925	845	935	967	2672
55°	1612	661	651	732	761	1482
65°	645	416	409	468	484	663
75°	219	226	284	326	342	241
85°	29	103	200	261	280	40
90°	0	71	168	232	242	1
95°	0	52	139	190	200	0
105°	0	39	90	129	139	2
115°	3	32	68	94	100	3
125°	3	29	58	68	71	3
135°	3	23	45	55	58	2
145°	3	16	32	42	45	2
155°	3	10	19	29	32	2
165°	6	6	13	16	19	2
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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CATALOG NUMBER: 4SNX-57SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5103.6	5103.6	5103.6	5103.6	5103.6
1°	5145.5	5116.5	5048.8	5068.1	5064.9
2°	5145.5	5084.2	4952.0	4913.3	4855.3
3°	5148.7	5029.4	4803.7	4678.0	4597.4
4°	5148.7	4948.8	4584.5	4374.9	4271.8
5°	5148.7	4865.0	4358.8	4065.4	3955.8
6°	5142.3	4765.0	4129.9	3820.4	3656.0
7°	5151.9	4655.4	3923.6	3591.5	3462.6
8°	5148.7	4526.5	3733.4	3417.4	3275.6
9°	5158.4	4400.7	3527.0	3253.0	3146.6
10°	5148.7	4284.7	3391.6	3098.2	2988.6
11°	5148.7	4171.8	3294.9	2998.3	2904.8
12°	5155.1	4042.9	3188.5	2856.4	2727.5
13°	5171.3	3910.7	3066.0	2701.7	2550.2
14°	5174.5	3810.7	2953.2	2505.0	2347.1
15°	5161.6	3717.3	2833.9	2327.7	2140.7
16°	5155.1	3620.5	2692.0	2160.1	1992.4
17°	5168.0	3507.7	2530.8	1989.2	1834.4
18°	5171.3	3404.5	2360.0	1860.2	1724.8
19°	5171.3	3323.9	2221.3	1741.0	1624.9
20°	5171.3	3246.6	2079.5	1650.7	1550.7
21°	5164.8	3149.8	1918.3	1557.2	1473.4
22.5°	5168.0	2969.3	1734.5	1447.6	1379.9
23°	5158.4	2924.2	1689.4	1418.6	1347.6
24°	5161.6	2795.2	1592.6	1360.5	1292.8
25°	5164.8	2630.8	1499.2	1302.5	1241.2
26°	5158.4	2498.6	1421.8	1247.7	1205.8
27°	5142.3	2392.2	1367.0	1202.5	1163.9
28°	5119.7	2250.3	1308.9	1163.9	1128.4
29°	5097.1	2089.1	1250.9	1121.9	1096.2
30°	5084.2	1960.2	1196.1	1089.7	1067.1
32.5°	5006.8	1705.5	1083.3	1025.2	1005.9
35°	4861.8	1463.7	1002.7	970.4	957.5
37.5°	4671.6	1276.7	941.4	935.0	938.2
40°	4358.8	1128.4	896.3	925.3	954.3
42.5°	3984.8	1012.3	864.0	935.0	967.2
45°	3514.1	925.3	844.7	935.0	967.2
47.5°	2991.9	854.4	822.1	902.7	935.0
50°	2469.6	789.9	777.0	854.4	883.4
52.5°	2008.5	728.6	718.9	793.1	822.1
55°	1612.0	660.9	651.2	731.8	760.9
57.5°	1292.8	596.4	586.8	660.9	689.9
60°	1031.7	532.0	515.8	590.0	619.0
62.5°	822.1	470.7	461.0	525.5	551.3
65°	644.8	415.9	409.4	467.5	483.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	509.4	364.3	367.5	415.9	435.2
70°	393.3	316.0	335.3	380.4	393.3
72.5°	296.6	267.6	309.5	348.2	364.3
75°	219.2	225.7	283.7	325.6	341.7
77.5°	151.5	187.0	261.1	306.3	322.4
80°	103.2	151.5	238.6	290.2	309.5
82.5°	61.3	125.7	219.2	274.0	296.6
85°	29.0	103.2	199.9	261.1	280.5
87.5°	9.7	83.8	180.5	248.2	264.4
90°	0.0	70.9	167.6	232.1	241.8
92.5°	0.0	61.3	151.5	212.8	219.2
95°	0.0	51.6	138.6	190.2	199.9
97.5°	0.0	48.4	129.0	170.9	183.8
100°	0.0	45.1	116.1	154.8	167.6
102.5°	0.0	38.7	103.2	138.6	151.5
105°	0.0	38.7	90.3	129.0	138.6
107.5°	3.2	35.5	83.8	116.1	129.0
110°	3.2	35.5	74.2	109.6	119.3
112.5°	3.2	35.5	70.9	99.9	112.8
115°	3.2	32.2	67.7	93.5	99.9
117.5°	3.2	32.2	64.5	83.8	90.3
120°	3.2	29.0	61.3	77.4	80.6
122.5°	3.2	29.0	58.0	70.9	74.2
125°	3.2	29.0	58.0	67.7	70.9
127.5°	3.2	25.8	54.8	64.5	64.5
130°	3.2	25.8	51.6	61.3	61.3
132.5°	3.2	22.6	48.4	58.0	61.3
135°	3.2	22.6	45.1	54.8	58.0
137.5°	3.2	19.3	41.9	51.6	54.8
140°	3.2	19.3	38.7	48.4	51.6
142.5°	3.2	16.1	35.5	45.1	48.4
145°	3.2	16.1	32.2	41.9	45.1
147.5°	3.2	16.1	29.0	38.7	41.9
150°	3.2	12.9	25.8	35.5	38.7
152.5°	3.2	12.9	22.6	32.2	35.5
155°	3.2	9.7	19.3	29.0	32.2
157.5°	3.2	9.7	19.3	25.8	29.0
160°	6.4	9.7	16.1	22.6	25.8
162.5°	3.2	6.4	16.1	19.3	22.6
165°	6.4	6.4	12.9	16.1	19.3
167.5°	6.4	6.4	9.7	12.9	16.1
170°	6.4	6.4	9.7	9.7	12.9
172.5°	6.4	6.4	6.4	9.7	6.4
175°	6.4	6.4	6.4	6.4	3.2
177.5°	6.4	6.4	6.4	6.4	3.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.4	6.4	6.4	6.4	6.4

(END OF REPORT)