

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: P566752

Luminaire Tested: **4SNX-67SL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566752
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-67SL-UNV-L840-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

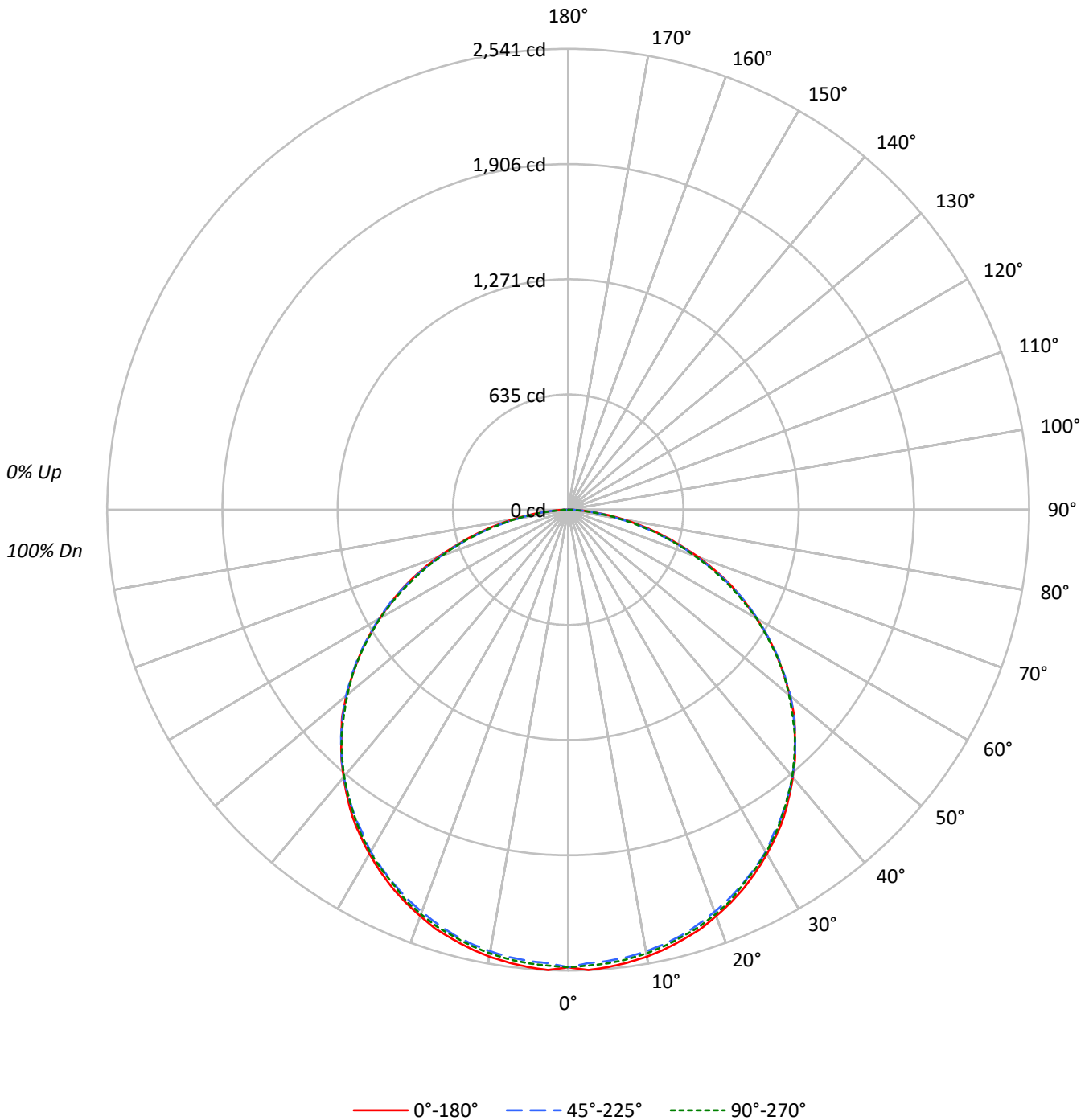
Lumens per Lamp: N/A
Luminaire Lumens: 7543.0 lumens
Efficiency: N/A
Efficacy: 157.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 47.9
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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27155	27155	27155
5°	27356	26989	27136
10°	27350	27028	27152
15°	27329	27051	27151
20°	27313	27026	27182
25°	27295	27025	27079
30°	27238	27069	27127
35°	27218	27009	27039
40°	27064	27032	27001
45°	26903	26938	26903
50°	26708	26783	26594
55°	26354	26438	26310
60°	25836	25935	25788
65°	25309	25136	24790
70°	24060	23563	23276
75°	21984	21227	21322
80°	18987	17579	18001
85°	14289	13733	12326



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.3	3.2
10°-20°	689.6	9.1
20°-30°	1055.1	14.0
30°-40°	1290.1	17.1
40°-50°	1364.7	18.1
50°-60°	1257.4	16.7
60°-70°	968.9	12.8
70°-80°	542.9	7.2
80°-90°	134.9	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1984.1	26.3
0°-40°	3274.2	43.4
0°-60°	5896.2	78.2
0°-90°	7543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7543.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2523	2523	2523	2523	2523	
5°	2532	2523	2498	2523	2511	241
15°	2452	2448	2428	2448	2436	693
25°	2298	2294	2276	2294	2280	1059
35°	2071	2067	2055	2062	2058	1294
45°	1767	1774	1770	1767	1767	1365
55°	1404	1416	1409	1409	1402	1254
65°	994	994	987	962	973	977
75°	529	522	510	492	513	560
85°	116	109	111	111	100	143
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2522.8	2522.8	2522.8	2522.8	2522.8
2.5°	2540.9	2529.6	2502.3	2527.3	2515.9
5°	2531.8	2522.8	2497.8	2522.8	2511.4
7.5°	2518.2	2511.4	2488.7	2511.4	2500.1
10°	2502.3	2495.5	2472.8	2495.5	2484.2
12.5°	2479.6	2475.1	2452.4	2475.1	2463.8
15°	2452.4	2447.9	2427.5	2447.9	2436.5
17.5°	2425.2	2416.1	2395.7	2418.4	2409.3
20°	2384.4	2379.8	2359.4	2379.8	2373.0
22.5°	2343.5	2339.0	2320.8	2339.0	2334.5
25°	2298.2	2293.6	2275.5	2293.6	2280.0
27.5°	2246.0	2248.2	2227.8	2239.2	2232.4
30°	2191.5	2191.5	2177.9	2182.5	2182.5
32.5°	2132.5	2132.5	2112.1	2125.7	2123.5
35°	2071.3	2066.7	2055.4	2062.2	2057.7
37.5°	1998.7	1996.4	1989.6	1994.2	1989.6
40°	1926.1	1928.4	1923.8	1921.6	1921.6
42.5°	1851.2	1855.8	1849.0	1846.7	1844.4
45°	1767.3	1774.1	1769.6	1767.3	1767.3
47.5°	1690.2	1692.4	1685.6	1683.3	1676.5
50°	1594.9	1603.9	1599.4	1594.9	1588.1
52.5°	1499.6	1513.2	1504.1	1499.6	1499.6
55°	1404.3	1415.6	1408.8	1408.8	1402.0
57.5°	1304.5	1315.8	1306.7	1306.7	1297.7
60°	1200.1	1211.5	1204.7	1197.9	1197.9
62.5°	1095.8	1104.8	1102.6	1091.2	1084.4
65°	993.7	993.7	986.9	961.9	973.3
67.5°	878.0	875.7	866.6	841.7	857.6
70°	764.5	764.5	748.7	719.2	739.6
72.5°	642.0	648.8	628.4	608.0	628.4
75°	528.6	521.8	510.4	492.3	512.7
77.5°	419.7	408.4	394.7	385.7	397.0
80°	306.3	299.5	283.6	283.6	290.4
82.5°	208.7	201.9	190.6	192.8	183.8
85°	115.7	108.9	111.2	111.2	99.8
87.5°	47.6	47.6	47.6	43.1	38.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)