

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: P566612

Luminaire Tested: **4SNX-57SL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566612
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-57SL-UNV-L940-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

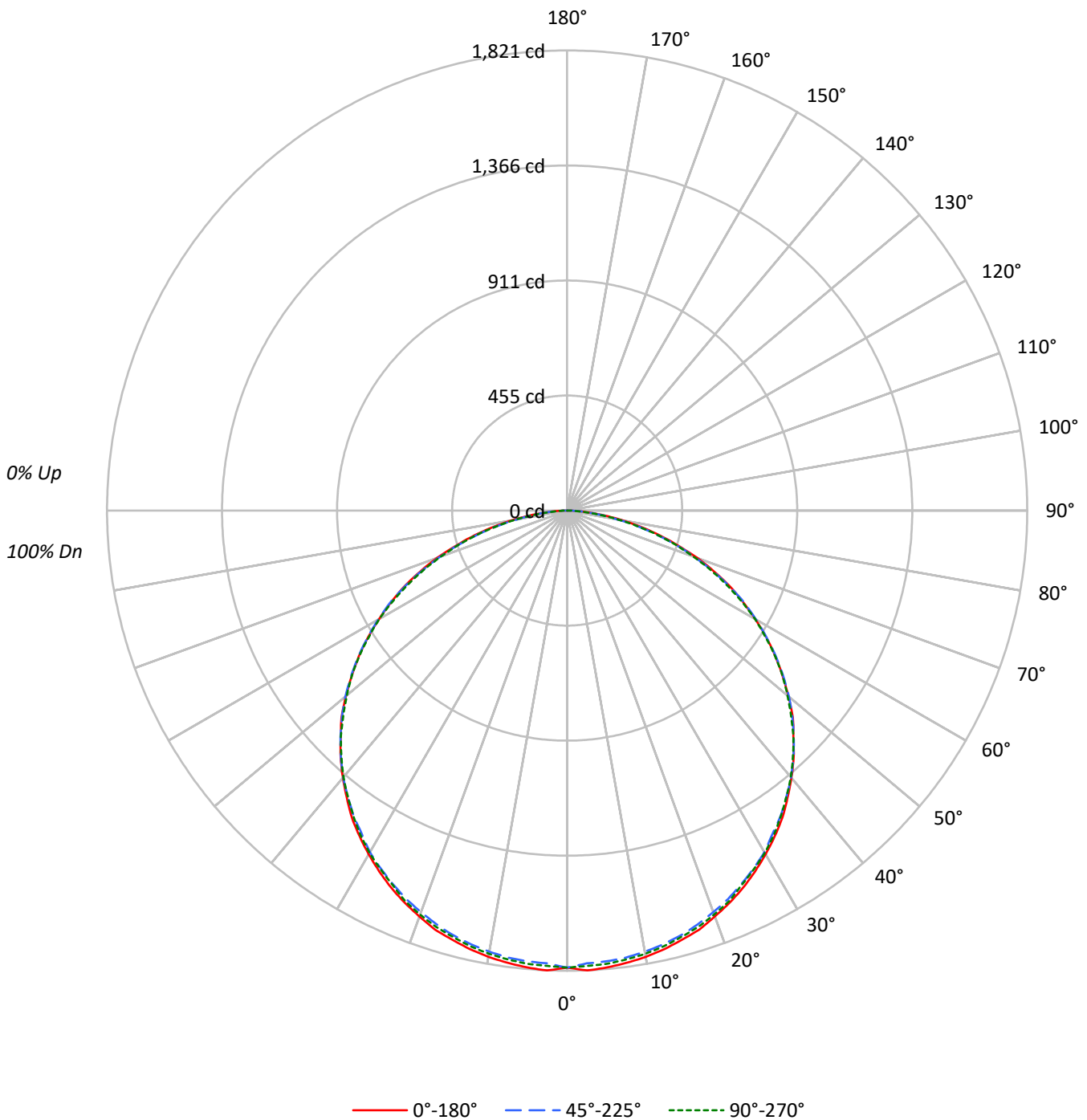
Lumens per Lamp: N/A
Luminaire Lumens: 5407.0 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 39.7
Input Voltage (V): NR
Input Current (Ain): 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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19465	19465	19465
5°	19610	19346	19451
10°	19605	19374	19463
15°	19590	19391	19463
20°	19578	19373	19484
25°	19566	19372	19411
30°	19525	19404	19444
35°	19509	19361	19382
40°	19401	19377	19354
45°	19284	19310	19284
50°	19144	19199	19063
55°	18890	18952	18860
60°	18520	18589	18484
65°	18142	18017	17770
70°	17246	16891	16686
75°	15758	15217	15284
80°	13606	12602	12906
85°	10238	9843	8843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.5	3.2
10°-20°	494.3	9.1
20°-30°	756.3	14.0
30°-40°	924.8	17.1
40°-50°	978.2	18.1
50°-60°	901.3	16.7
60°-70°	694.5	12.8
70°-80°	389.2	7.2
80°-90°	96.7	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°	1422.2	26.3
0°-40°	2347.0	43.4
0°-60°	4226.6	78.2
0°-90°	5407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5407.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1808	1808	1808	1808	1808	
5°	1815	1808	1790	1808	1800	173
15°	1758	1755	1740	1755	1747	497
25°	1647	1644	1631	1644	1634	759
35°	1485	1482	1473	1478	1475	928
45°	1267	1272	1268	1267	1267	979
55°	1007	1015	1010	1010	1005	899
65°	712	712	707	690	698	701
75°	379	374	366	353	368	402
85°	83	78	80	80	72	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1808.4	1808.4	1808.4	1808.4	1808.4
2.5°	1821.4	1813.2	1793.7	1811.6	1803.5
5°	1814.9	1808.4	1790.5	1808.4	1800.2
7.5°	1805.1	1800.2	1784.0	1800.2	1792.1
10°	1793.7	1788.9	1772.6	1788.9	1780.7
12.5°	1777.5	1774.2	1758.0	1774.2	1766.1
15°	1758.0	1754.7	1740.1	1754.7	1746.6
17.5°	1738.4	1731.9	1717.3	1733.6	1727.1
20°	1709.2	1705.9	1691.3	1705.9	1701.0
22.5°	1679.9	1676.6	1663.6	1676.6	1673.4
25°	1647.4	1644.1	1631.1	1644.1	1634.4
27.5°	1610.0	1611.6	1597.0	1605.1	1600.2
30°	1570.9	1570.9	1561.2	1564.4	1564.4
32.5°	1528.7	1528.7	1514.0	1523.8	1522.2
35°	1484.7	1481.5	1473.4	1478.2	1475.0
37.5°	1432.7	1431.1	1426.2	1429.5	1426.2
40°	1380.7	1382.3	1379.0	1377.4	1377.4
42.5°	1327.0	1330.3	1325.4	1323.8	1322.1
45°	1266.8	1271.7	1268.5	1266.8	1266.8
47.5°	1211.5	1213.2	1208.3	1206.7	1201.8
50°	1143.2	1149.7	1146.5	1143.2	1138.4
52.5°	1074.9	1084.7	1078.2	1074.9	1074.9
55°	1006.6	1014.8	1009.9	1009.9	1005.0
57.5°	935.1	943.2	936.7	936.7	930.2
60°	860.3	868.4	863.5	858.6	858.6
62.5°	785.5	792.0	790.3	782.2	777.3
65°	712.3	712.3	707.4	689.5	697.7
67.5°	629.4	627.7	621.2	603.3	614.7
70°	548.0	548.0	536.7	515.5	530.2
72.5°	460.2	465.1	450.5	435.8	450.5
75°	378.9	374.0	365.9	352.9	367.5
77.5°	300.9	292.7	283.0	276.5	284.6
80°	219.5	214.7	203.3	203.3	208.2
82.5°	149.6	144.7	136.6	138.2	131.7
85°	82.9	78.1	79.7	79.7	71.6
87.5°	34.2	34.2	34.2	30.9	27.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)