

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: P566609

Luminaire Tested: **4SNX-57SL-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566609  
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-L850-CD  
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

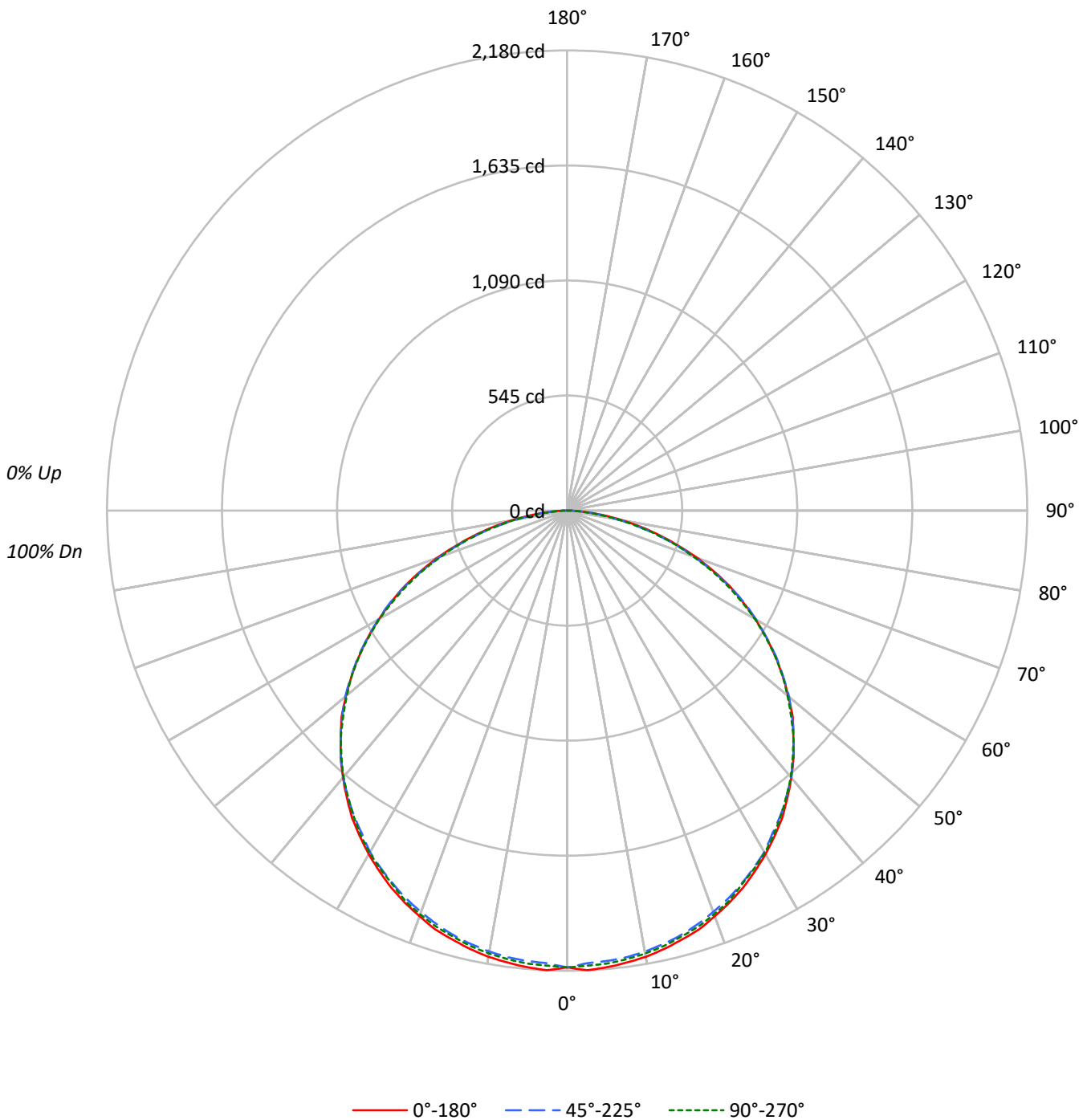
Lumens per Lamp: N/A  
Luminaire Lumens: 6470.0 lumens  
Efficiency: N/A  
Efficacy: 163.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

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°	23292	23292	23292
5°	23465	23150	23276
10°	23460	23184	23290
15°	23442	23203	23289
20°	23427	23182	23316
25°	23411	23181	23227
30°	23364	23219	23267
35°	23345	23166	23193
40°	23214	23187	23159
45°	23076	23105	23076
50°	22908	22973	22811
55°	22604	22677	22568
60°	22161	22245	22120
65°	21708	21560	21262
70°	20639	20211	19966
75°	18856	18207	18291
80°	16284	15075	15441
85°	12251	11782	10572



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.3	3.2
10°-20°	591.5	9.1
20°-30°	905.0	14.0
30°-40°	1106.6	17.1
40°-50°	1170.6	18.1
50°-60°	1078.5	16.7
60°-70°	831.1	12.8
70°-80°	465.7	7.2
80°-90°	115.8	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°	1701.8	26.3
0°-40°	2808.4	43.4
0°-60°	5057.5	78.2
0°-90°	6470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6470.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2164	2164	2164	2164	2164	
5°	2172	2164	2142	2164	2154	206
15°	2104	2100	2082	2100	2090	594
25°	1971	1967	1952	1967	1956	908
35°	1777	1773	1763	1769	1765	1110
45°	1516	1522	1518	1516	1516	1171
55°	1204	1214	1208	1208	1203	1076
65°	852	852	846	825	835	838
75°	453	448	438	422	440	481
85°	99	93	95	95	86	123
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2163.9	2163.9	2163.9	2163.9	2163.9
2.5°	2179.5	2169.7	2146.4	2167.8	2158.0
5°	2171.7	2163.9	2142.5	2163.9	2154.2
7.5°	2160.0	2154.2	2134.7	2154.2	2144.4
10°	2146.4	2140.5	2121.1	2140.5	2130.8
12.5°	2126.9	2123.0	2103.6	2123.0	2113.3
15°	2103.6	2099.7	2082.2	2099.7	2089.9
17.5°	2080.2	2072.4	2054.9	2074.4	2066.6
20°	2045.2	2041.3	2023.8	2041.3	2035.5
22.5°	2010.2	2006.3	1990.7	2006.3	2002.4
25°	1971.2	1967.3	1951.8	1967.3	1955.7
27.5°	1926.5	1928.4	1910.9	1920.6	1914.8
30°	1879.8	1879.8	1868.1	1872.0	1872.0
32.5°	1829.2	1829.2	1811.7	1823.3	1821.4
35°	1776.6	1772.8	1763.0	1768.9	1765.0
37.5°	1714.4	1712.4	1706.6	1710.5	1706.6
40°	1652.1	1654.1	1650.2	1648.2	1648.2
42.5°	1587.9	1591.8	1585.9	1584.0	1582.1
45°	1515.9	1521.7	1517.8	1515.9	1515.9
47.5°	1449.7	1451.7	1445.8	1443.9	1438.1
50°	1368.0	1375.8	1371.9	1368.0	1362.2
52.5°	1286.3	1297.9	1290.2	1286.3	1286.3
55°	1204.5	1214.3	1208.4	1208.4	1202.6
57.5°	1118.9	1128.6	1120.9	1120.9	1113.1
60°	1029.4	1039.1	1033.3	1027.5	1027.5
62.5°	939.9	947.7	945.7	936.0	930.2
65°	852.3	852.3	846.5	825.1	834.8
67.5°	753.1	751.1	743.3	721.9	735.6
70°	655.8	655.8	642.2	616.9	634.4
72.5°	550.7	556.5	539.0	521.5	539.0
75°	453.4	447.6	437.8	422.3	439.8
77.5°	360.0	350.3	338.6	330.8	340.5
80°	262.7	256.9	243.2	243.2	249.1
82.5°	179.0	173.2	163.5	165.4	157.6
85°	99.2	93.4	95.4	95.4	85.6
87.5°	40.9	40.9	40.9	37.0	33.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)