

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: P566613

Luminaire Tested: **4SNX-57SL-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566613  
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-L950-CD  
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

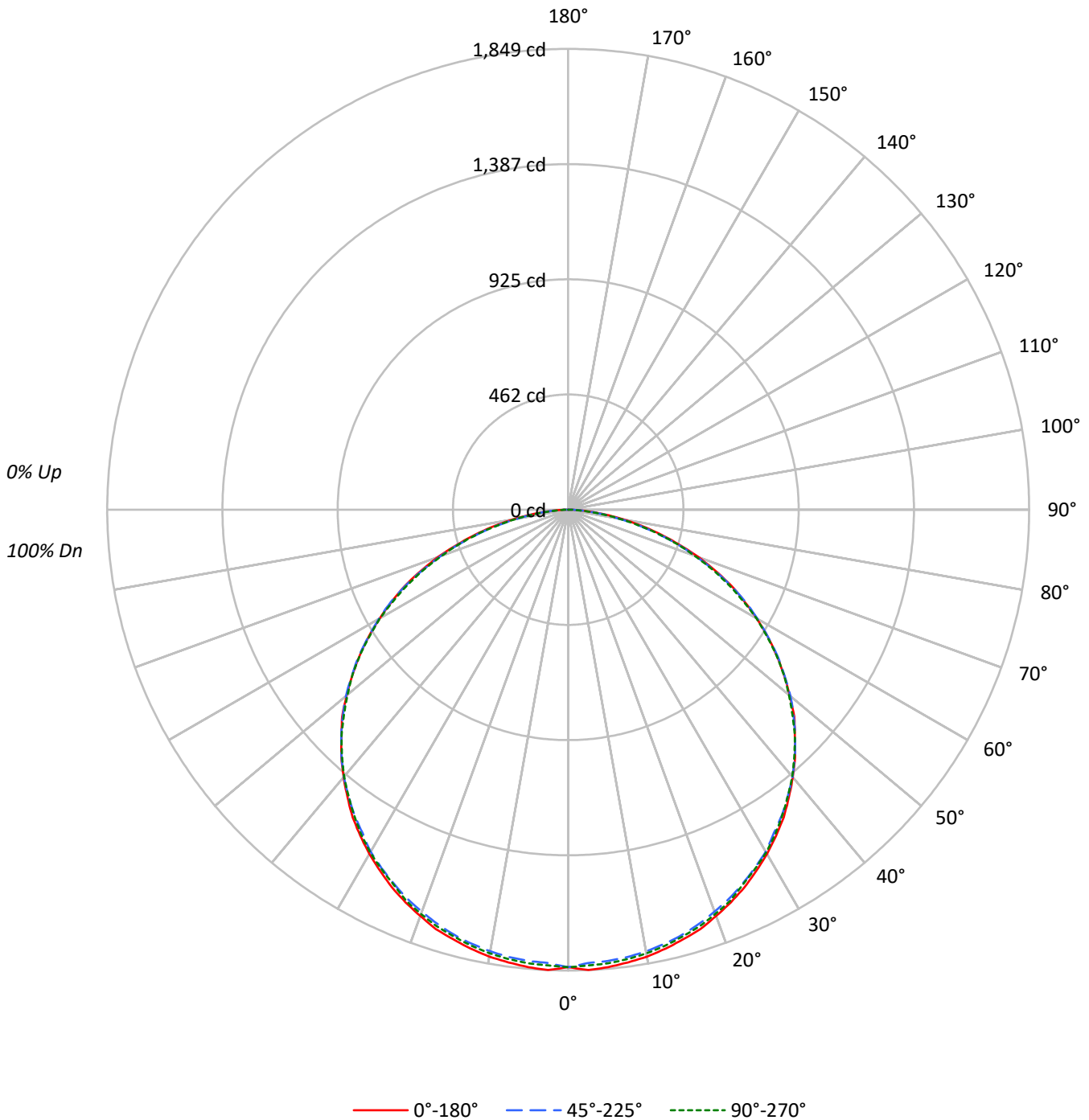
Lumens per Lamp: N/A  
Luminaire Lumens: 5488.0 lumens  
Efficiency: N/A  
Efficacy: 138.2 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 39.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	19757	19757	19757
5°	19904	19636	19743
10°	19899	19664	19755
15°	19884	19681	19754
20°	19872	19663	19777
25°	19858	19662	19701
30°	19818	19695	19736
35°	19802	19650	19672
40°	19691	19668	19645
45°	19573	19599	19573
50°	19432	19487	19348
55°	19174	19235	19144
60°	18798	18869	18762
65°	18415	18287	18035
70°	17504	17143	16935
75°	15995	15446	15513
80°	13811	12788	13098
85°	10399	9991	8966



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.1	3.2
10°-20°	501.7	9.1
20°-30°	767.7	14.0
30°-40°	938.6	17.1
40°-50°	992.9	18.1
50°-60°	914.8	16.7
60°-70°	705.0	12.8
70°-80°	395.0	7.2
80°-90°	98.2	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°	1443.5	26.3
0°-40°	2382.2	43.4
0°-60°	4289.9	78.2
0°-90°	5488.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5488.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1836	1836	1836	1836	1836	
5°	1842	1836	1817	1836	1827	175
15°	1784	1781	1766	1781	1773	504
25°	1672	1669	1656	1669	1659	771
35°	1507	1504	1495	1500	1497	942
45°	1286	1291	1288	1286	1286	993
55°	1022	1030	1025	1025	1020	912
65°	723	723	718	700	708	711
75°	385	380	371	358	373	408
85°	84	79	81	81	73	104
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1835.5	1835.5	1835.5	1835.5	1835.5
2.5°	1848.7	1840.4	1820.6	1838.8	1830.5
5°	1842.1	1835.5	1817.3	1835.5	1827.2
7.5°	1832.2	1827.2	1810.7	1827.2	1819.0
10°	1820.6	1815.7	1799.1	1815.7	1807.4
12.5°	1804.1	1800.8	1784.3	1800.8	1792.5
15°	1784.3	1781.0	1766.1	1781.0	1772.7
17.5°	1764.5	1757.9	1743.0	1759.5	1752.9
20°	1734.8	1731.5	1716.6	1731.5	1726.5
22.5°	1705.1	1701.8	1688.6	1701.8	1698.5
25°	1672.0	1668.7	1655.5	1668.7	1658.8
27.5°	1634.1	1635.7	1620.9	1629.1	1624.2
30°	1594.5	1594.5	1584.6	1587.9	1587.9
32.5°	1551.6	1551.6	1536.7	1546.6	1545.0
35°	1507.0	1503.7	1495.4	1500.4	1497.1
37.5°	1454.2	1452.5	1447.6	1450.9	1447.6
40°	1401.4	1403.0	1399.7	1398.1	1398.1
42.5°	1346.9	1350.2	1345.2	1343.6	1341.9
45°	1285.8	1290.8	1287.5	1285.8	1285.8
47.5°	1229.7	1231.3	1226.4	1224.7	1219.8
50°	1160.4	1167.0	1163.7	1160.4	1155.4
52.5°	1091.0	1100.9	1094.3	1091.0	1091.0
55°	1021.7	1030.0	1025.0	1025.0	1020.1
57.5°	949.1	957.3	950.7	950.7	944.1
60°	873.2	881.4	876.5	871.5	871.5
62.5°	797.2	803.8	802.2	793.9	789.0
65°	723.0	723.0	718.0	699.9	708.1
67.5°	638.8	637.1	630.5	612.4	623.9
70°	556.2	556.2	544.7	523.2	538.1
72.5°	467.1	472.1	457.2	442.4	457.2
75°	384.6	379.6	371.4	358.2	373.0
77.5°	305.4	297.1	287.2	280.6	288.9
80°	222.8	217.9	206.3	206.3	211.3
82.5°	151.9	146.9	138.6	140.3	133.7
85°	84.2	79.2	80.9	80.9	72.6
87.5°	34.7	34.7	34.7	31.4	28.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)