

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: P566608

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566608  
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-L840-CD  
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

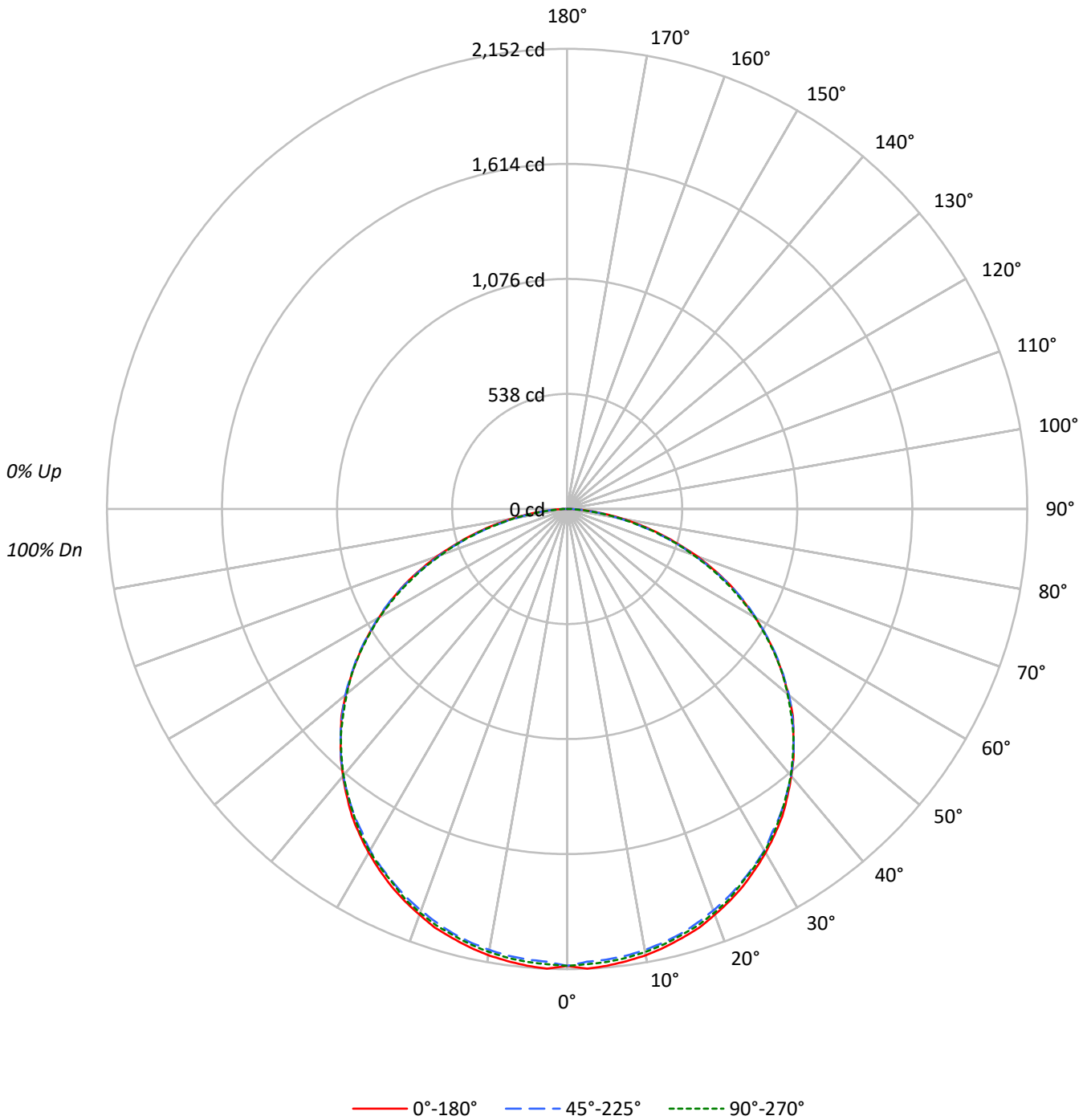
Lumens per Lamp: N/A  
Luminaire Lumens: 6388.0 lumens  
Efficiency: N/A  
Efficacy: 160.9 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

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	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°	22997	22997	22997
5°	23167	22856	22981
10°	23163	22890	22994
15°	23144	22909	22995
20°	23131	22888	23021
25°	23116	22886	22933
30°	23068	22924	22973
35°	23049	22873	22898
40°	22920	22892	22866
45°	22783	22812	22783
50°	22618	22682	22521
55°	22319	22390	22283
60°	21881	21963	21838
65°	21433	21287	20992
70°	20378	19953	19711
75°	18619	17979	18058
80°	16079	14889	15243
85°	12103	11622	10436



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	202.7	3.2
10°-20°	584.0	9.1
20°-30°	893.6	14.0
30°-40°	1092.6	17.1
40°-50°	1155.7	18.1
50°-60°	1064.9	16.7
60°-70°	820.6	12.8
70°-80°	459.8	7.2
80°-90°	114.3	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°	1680.3	26.3
0°-40°	2772.8	43.4
0°-60°	4993.4	78.2
0°-90°	6388.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6388.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2136	2136	2136	2136	2136	
5°	2144	2136	2115	2136	2127	204
15°	2077	2073	2056	2073	2064	587
25°	1946	1942	1927	1942	1931	897
35°	1754	1750	1741	1746	1743	1096
45°	1497	1502	1499	1497	1497	1156
55°	1189	1199	1193	1193	1187	1062
65°	842	842	836	815	824	828
75°	448	442	432	417	434	475
85°	98	92	94	94	84	121
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2136.5	2136.5	2136.5	2136.5	2136.5
2.5°	2151.8	2142.2	2119.2	2140.3	2130.7
5°	2144.1	2136.5	2115.3	2136.5	2126.9
7.5°	2132.6	2126.9	2107.6	2126.9	2117.2
10°	2119.2	2113.4	2094.2	2113.4	2103.8
12.5°	2100.0	2096.1	2076.9	2096.1	2086.5
15°	2076.9	2073.1	2055.8	2073.1	2063.5
17.5°	2053.8	2046.2	2028.9	2048.1	2040.4
20°	2019.3	2015.4	1998.1	2015.4	2009.7
22.5°	1984.7	1980.8	1965.5	1980.8	1977.0
25°	1946.3	1942.4	1927.0	1942.4	1930.9
27.5°	1902.1	1904.0	1886.7	1896.3	1890.5
30°	1856.0	1856.0	1844.4	1848.3	1848.3
32.5°	1806.0	1806.0	1788.7	1800.2	1798.3
35°	1754.1	1750.3	1740.7	1746.4	1742.6
37.5°	1692.6	1690.7	1685.0	1688.8	1685.0
40°	1631.2	1633.1	1629.2	1627.3	1627.3
42.5°	1567.8	1571.6	1565.8	1563.9	1562.0
45°	1496.7	1502.4	1498.6	1496.7	1496.7
47.5°	1431.4	1433.3	1427.5	1425.6	1419.8
50°	1350.7	1358.3	1354.5	1350.7	1344.9
52.5°	1270.0	1281.5	1273.8	1270.0	1270.0
55°	1189.3	1198.9	1193.1	1193.1	1187.4
57.5°	1104.7	1114.3	1106.7	1106.7	1099.0
60°	1016.4	1026.0	1020.2	1014.4	1014.4
62.5°	928.0	935.7	933.7	924.1	918.4
65°	841.5	841.5	835.8	814.6	824.2
67.5°	743.5	741.6	733.9	712.8	726.2
70°	647.5	647.5	634.0	609.0	626.3
72.5°	543.7	549.5	532.2	514.9	532.2
75°	447.7	441.9	432.3	416.9	434.2
77.5°	355.4	345.8	334.3	326.6	336.2
80°	259.4	253.6	240.2	240.2	245.9
82.5°	176.8	171.0	161.4	163.3	155.6
85°	98.0	92.2	94.1	94.1	84.5
87.5°	40.3	40.3	40.3	36.5	32.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)