

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: P566654

Luminaire Tested: **4SNX-60SL-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566654  
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-60SL-UNV-L830-CD  
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

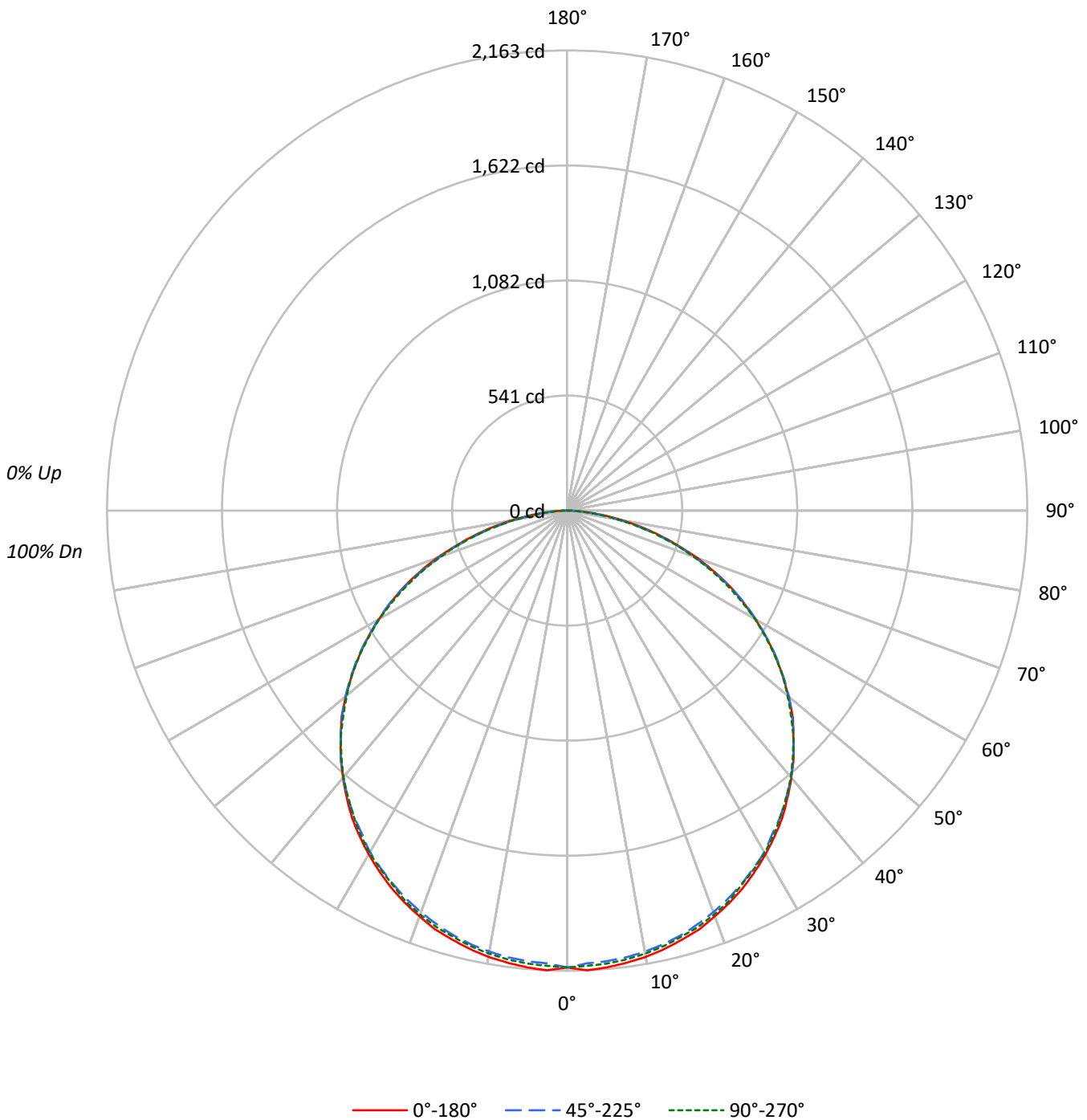
Lumens per Lamp: N/A  
Luminaire Lumens: 6421.0 lumens  
Efficiency: N/A  
Efficacy: 152.9 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 42  
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°	23116	23116	23116
5°	23287	22975	23099
10°	23282	23008	23114
15°	23263	23027	23113
20°	23250	23007	23139
25°	23234	23005	23051
30°	23186	23044	23091
35°	23169	22992	23017
40°	23039	23012	22984
45°	22901	22930	22901
50°	22734	22799	22637
55°	22433	22506	22398
60°	21993	22077	21952
65°	21545	21397	21102
70°	20482	20057	19815
75°	18715	18070	18153
80°	16160	14964	15323
85°	12165	11683	10498



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.7	3.2
10°-20°	587.0	9.1
20°-30°	898.2	14.0
30°-40°	1098.2	17.1
40°-50°	1161.7	18.1
50°-60°	1070.4	16.7
60°-70°	824.8	12.8
70°-80°	462.1	7.2
80°-90°	114.9	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°	1688.9	26.3
0°-40°	2787.1	43.4
0°-60°	5019.2	78.2
0°-90°	6421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6421.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2148	2148	2148	2148	2148	
5°	2155	2148	2126	2148	2138	205
15°	2088	2084	2066	2084	2074	590
25°	1956	1952	1937	1952	1941	902
35°	1763	1759	1750	1756	1752	1102
45°	1504	1510	1506	1504	1504	1162
55°	1195	1205	1199	1199	1194	1067
65°	846	846	840	819	828	832
75°	450	444	434	419	436	477
85°	98	93	95	95	85	122
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2147.5	2147.5	2147.5	2147.5	2147.5
2.5°	2162.9	2153.3	2130.1	2151.4	2141.7
5°	2155.2	2147.5	2126.3	2147.5	2137.8
7.5°	2143.6	2137.8	2118.5	2137.8	2128.2
10°	2130.1	2124.3	2105.0	2124.3	2114.7
12.5°	2110.8	2106.9	2087.6	2106.9	2097.3
15°	2087.6	2083.8	2066.4	2083.8	2074.1
17.5°	2064.5	2056.7	2039.4	2058.7	2050.9
20°	2029.7	2025.8	2008.5	2025.8	2020.0
22.5°	1994.9	1991.1	1975.6	1991.1	1987.2
25°	1956.3	1952.4	1937.0	1952.4	1940.9
27.5°	1911.9	1913.8	1896.4	1906.1	1900.3
30°	1865.5	1865.5	1854.0	1857.8	1857.8
32.5°	1815.3	1815.3	1798.0	1809.5	1807.6
35°	1763.2	1759.3	1749.7	1755.5	1751.6
37.5°	1701.4	1699.5	1693.7	1697.5	1693.7
40°	1639.6	1641.5	1637.7	1635.7	1635.7
42.5°	1575.9	1579.7	1573.9	1572.0	1570.1
45°	1504.4	1510.2	1506.3	1504.4	1504.4
47.5°	1438.7	1440.7	1434.9	1433.0	1427.2
50°	1357.6	1365.4	1361.5	1357.6	1351.8
52.5°	1276.5	1288.1	1280.4	1276.5	1276.5
55°	1195.4	1205.1	1199.3	1199.3	1193.5
57.5°	1110.4	1120.1	1112.4	1112.4	1104.6
60°	1021.6	1031.3	1025.5	1019.7	1019.7
62.5°	932.8	940.5	938.6	928.9	923.1
65°	845.9	845.9	840.1	818.8	828.5
67.5°	747.4	745.4	737.7	716.5	730.0
70°	650.8	650.8	637.3	612.2	629.6
72.5°	546.5	552.3	534.9	517.6	534.9
75°	450.0	444.2	434.5	419.1	436.5
77.5°	357.3	347.6	336.0	328.3	338.0
80°	260.7	254.9	241.4	241.4	247.2
82.5°	177.7	171.9	162.2	164.2	156.4
85°	98.5	92.7	94.6	94.6	85.0
87.5°	40.6	40.6	40.6	36.7	32.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)