

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: P566606

Luminaire Tested: **4SNX-57SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566606
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-L830-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

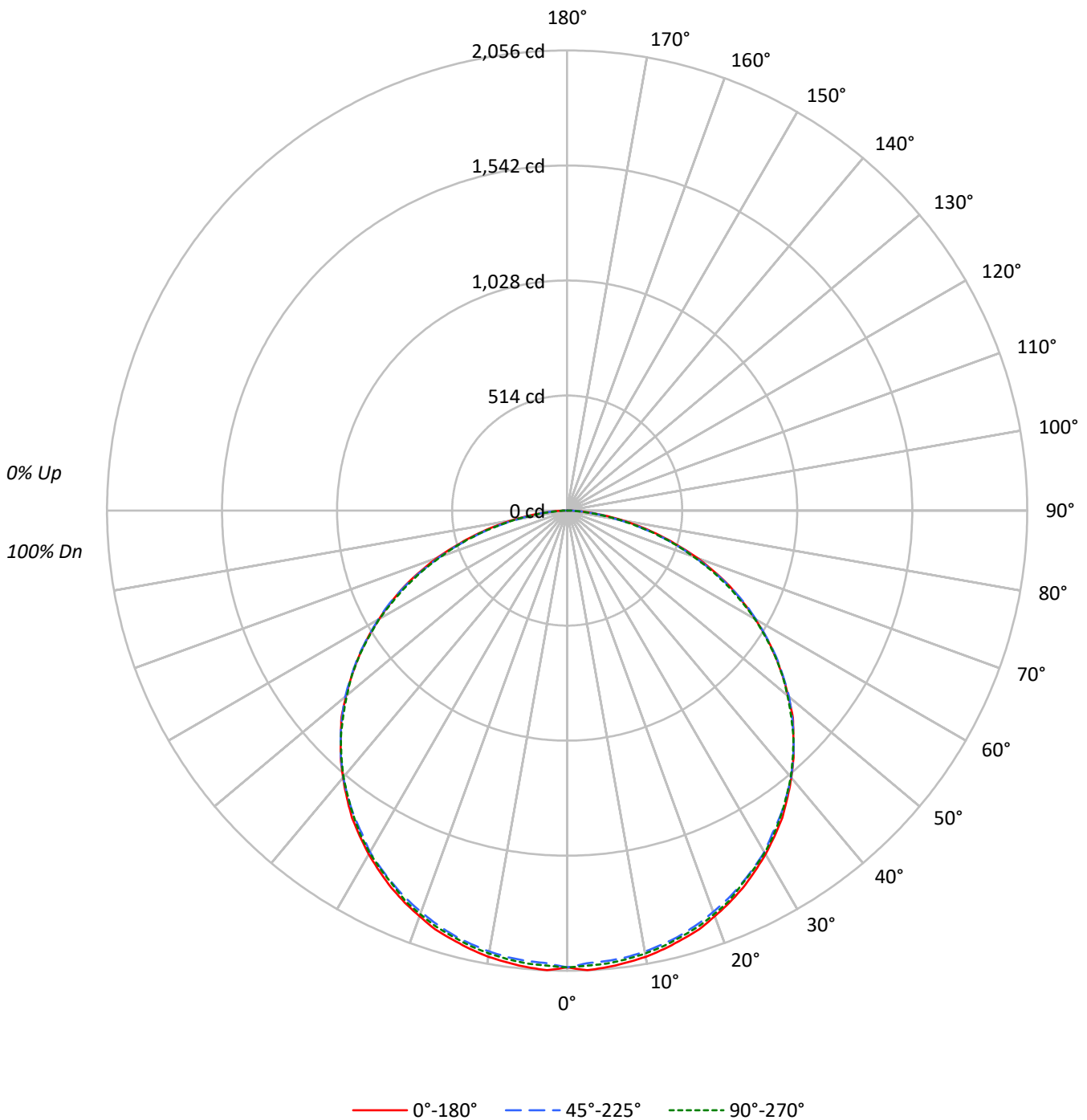
Lumens per Lamp: N/A
Luminaire Lumens: 6102.0 lumens
Efficiency: N/A
Efficacy: 153.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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°	21967	21967	21967
5°	22131	21833	21952
10°	22126	21864	21965
15°	22108	21883	21965
20°	22095	21864	21990
25°	22080	21863	21905
30°	22036	21898	21944
35°	22018	21848	21873
40°	21893	21868	21843
45°	21764	21791	21764
50°	21605	21667	21513
55°	21319	21388	21285
60°	20901	20979	20860
65°	20472	20332	20052
70°	19465	19059	18829
75°	17783	17172	17251
80°	15360	14220	14561
85°	11560	11103	9979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.6	3.2
10°-20°	557.9	9.1
20°-30°	853.6	14.0
30°-40°	1043.6	17.1
40°-50°	1104.0	18.1
50°-60°	1017.2	16.7
60°-70°	783.8	12.8
70°-80°	439.2	7.2
80°-90°	109.2	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°	1605.0	26.3
0°-40°	2648.7	43.4
0°-60°	4769.8	78.2
0°-90°	6102.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6102.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2041	2041	2041	2041	2041	
5°	2048	2041	2021	2041	2032	195
15°	1984	1980	1964	1980	1971	561
25°	1859	1855	1841	1855	1844	857
35°	1676	1672	1663	1668	1665	1047
45°	1430	1435	1432	1430	1430	1104
55°	1136	1145	1140	1140	1134	1014
65°	804	804	798	778	787	791
75°	428	422	413	398	415	453
85°	94	88	90	90	81	116
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2040.8	2040.8	2040.8	2040.8	2040.8
2.5°	2055.5	2046.3	2024.3	2044.5	2035.3
5°	2048.2	2040.8	2020.6	2040.8	2031.6
7.5°	2037.1	2031.6	2013.3	2031.6	2022.5
10°	2024.3	2018.8	2000.4	2018.8	2009.6
12.5°	2005.9	2002.3	1983.9	2002.3	1993.1
15°	1983.9	1980.2	1963.7	1980.2	1971.1
17.5°	1961.9	1954.6	1938.0	1956.4	1949.0
20°	1928.9	1925.2	1908.7	1925.2	1919.7
22.5°	1895.8	1892.2	1877.5	1892.2	1888.5
25°	1859.1	1855.4	1840.8	1855.4	1844.4
27.5°	1816.9	1818.7	1802.2	1811.4	1805.9
30°	1772.9	1772.9	1761.8	1765.5	1765.5
32.5°	1725.1	1725.1	1708.6	1719.6	1717.8
35°	1675.6	1671.9	1662.7	1668.3	1664.6
37.5°	1616.9	1615.0	1609.5	1613.2	1609.5
40°	1558.1	1560.0	1556.3	1554.5	1554.5
42.5°	1497.6	1501.2	1495.7	1493.9	1492.1
45°	1429.7	1435.2	1431.5	1429.7	1429.7
47.5°	1367.3	1369.1	1363.6	1361.8	1356.3
50°	1290.2	1297.5	1293.9	1290.2	1284.7
52.5°	1213.1	1224.1	1216.8	1213.1	1213.1
55°	1136.0	1145.2	1139.7	1139.7	1134.2
57.5°	1055.3	1064.5	1057.1	1057.1	1049.8
60°	970.9	980.0	974.5	969.0	969.0
62.5°	886.4	893.8	891.9	882.8	877.3
65°	803.8	803.8	798.3	778.2	787.3
67.5°	710.2	708.4	701.1	680.9	693.7
70°	618.5	618.5	605.6	581.8	598.3
72.5°	519.4	524.9	508.4	491.8	508.4
75°	427.6	422.1	412.9	398.3	414.8
77.5°	339.5	330.3	319.3	312.0	321.2
80°	247.8	242.3	229.4	229.4	234.9
82.5°	168.8	163.3	154.2	156.0	148.7
85°	93.6	88.1	89.9	89.9	80.8
87.5°	38.5	38.5	38.5	34.9	31.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)