

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: P566561

Luminaire Tested: **4SNX-51SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566561
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-51SL-UNV-L850-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

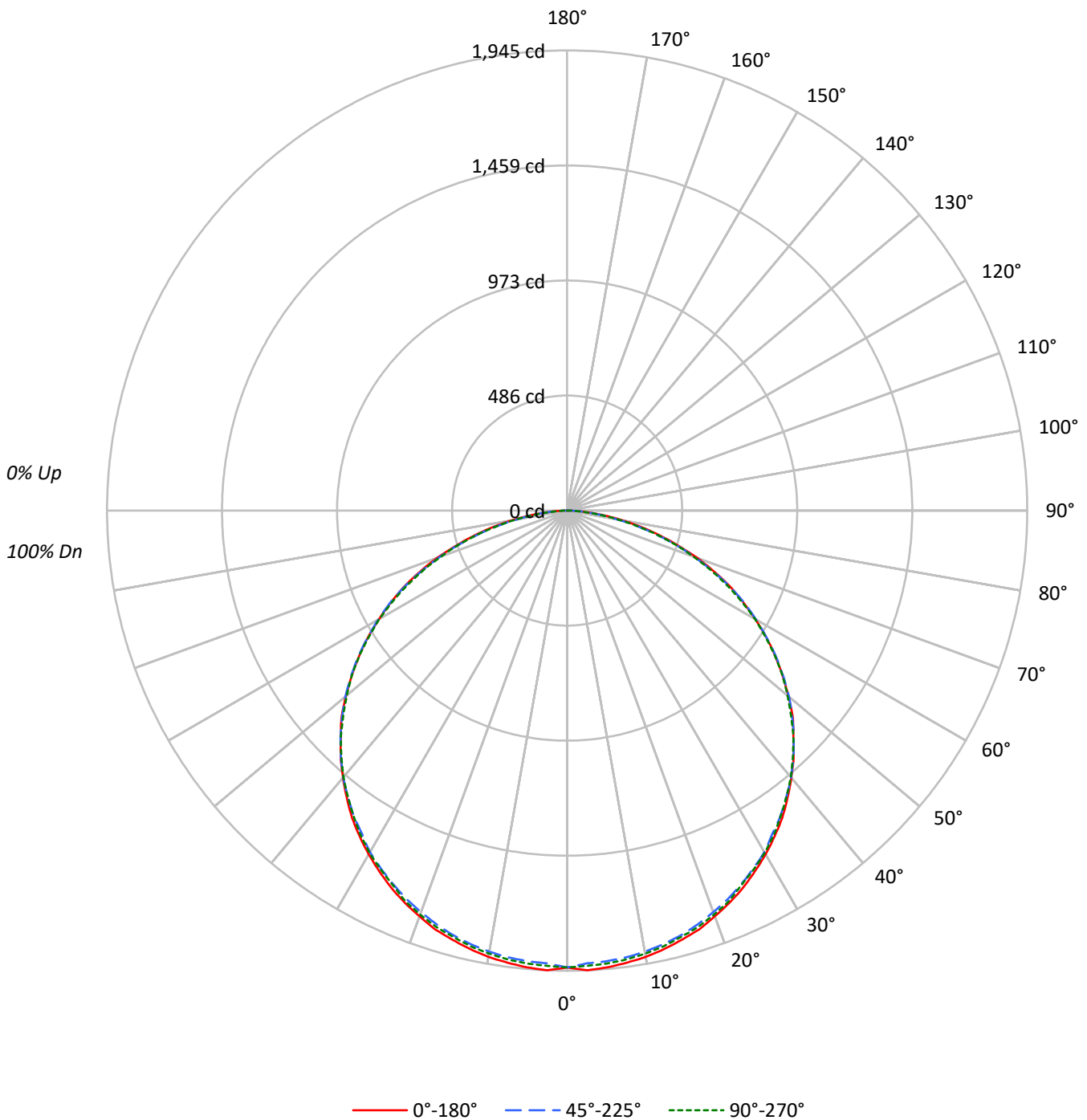
Lumens per Lamp: N/A
Luminaire Lumens: 5774.0 lumens
Efficiency: N/A
Efficacy: 165.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 35
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

TEST NUMBER: P566561

CATALOG NUMBER: 4SNX-51SL-UNV-L850-CD

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°	20786	20786	20786
5°	20941	20659	20772
10°	20936	20689	20784
15°	20920	20707	20784
20°	20907	20688	20807
25°	20893	20687	20728
30°	20851	20721	20764
35°	20834	20675	20697
40°	20717	20692	20668
45°	20593	20620	20593
50°	20443	20502	20356
55°	20174	20238	20140
60°	19778	19851	19739
65°	19372	19240	18975
70°	18417	18036	17816
75°	16827	16249	16324
80°	14530	13457	13780
85°	10942	10510	9436



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.2	3.2
10°-20°	527.9	9.1
20°-30°	807.7	14.0
30°-40°	987.5	17.1
40°-50°	1044.6	18.1
50°-60°	962.5	16.7
60°-70°	741.7	12.8
70°-80°	415.6	7.2
80°-90°	103.3	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°	1518.7	26.3
0°-40°	2506.3	43.4
0°-60°	4513.4	78.2
0°-90°	5774.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5774.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1931	1931	1931	1931	1931	
5°	1938	1931	1912	1931	1922	184
15°	1877	1874	1858	1874	1865	530
25°	1759	1756	1742	1756	1745	811
35°	1586	1582	1573	1579	1575	991
45°	1353	1358	1355	1353	1353	1045
55°	1075	1084	1078	1078	1073	960
65°	761	761	755	736	745	748
75°	405	399	391	377	392	429
85°	89	83	85	85	76	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1931.1	1931.1	1931.1	1931.1	1931.1
2.5°	1945.0	1936.3	1915.5	1934.6	1925.9
5°	1938.1	1931.1	1912.0	1931.1	1922.4
7.5°	1927.6	1922.4	1905.1	1922.4	1913.7
10°	1915.5	1910.3	1892.9	1910.3	1901.6
12.5°	1898.1	1894.6	1877.3	1894.6	1886.0
15°	1877.3	1873.8	1858.2	1873.8	1865.1
17.5°	1856.4	1849.5	1833.9	1851.2	1844.3
20°	1825.2	1821.7	1806.1	1821.7	1816.5
22.5°	1793.9	1790.4	1776.6	1790.4	1787.0
25°	1759.2	1755.7	1741.8	1755.7	1745.3
27.5°	1719.2	1721.0	1705.4	1714.0	1708.8
30°	1677.6	1677.6	1667.1	1670.6	1670.6
32.5°	1632.4	1632.4	1616.8	1627.2	1625.5
35°	1585.5	1582.1	1573.4	1578.6	1575.1
37.5°	1530.0	1528.2	1523.0	1526.5	1523.0
40°	1474.4	1476.1	1472.6	1470.9	1470.9
42.5°	1417.1	1420.5	1415.3	1413.6	1411.9
45°	1352.8	1358.0	1354.6	1352.8	1352.8
47.5°	1293.8	1295.5	1290.3	1288.6	1283.4
50°	1220.8	1227.8	1224.3	1220.8	1215.6
52.5°	1147.9	1158.3	1151.4	1147.9	1147.9
55°	1075.0	1083.6	1078.4	1078.4	1073.2
57.5°	998.6	1007.2	1000.3	1000.3	993.3
60°	918.7	927.3	922.1	916.9	916.9
62.5°	838.8	845.7	844.0	835.3	830.1
65°	760.6	760.6	755.4	736.3	745.0
67.5°	672.1	670.3	663.4	644.3	656.4
70°	585.2	585.2	573.1	550.5	566.1
72.5°	491.5	496.7	481.0	465.4	481.0
75°	404.6	399.4	390.7	376.8	392.5
77.5°	321.3	312.6	302.2	295.2	303.9
80°	234.4	229.2	217.1	217.1	222.3
82.5°	159.8	154.6	145.9	147.6	140.7
85°	88.6	83.4	85.1	85.1	76.4
87.5°	36.5	36.5	36.5	33.0	29.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)