

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: P566559

Luminaire Tested: **4SNX-51SL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566559
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-L835-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

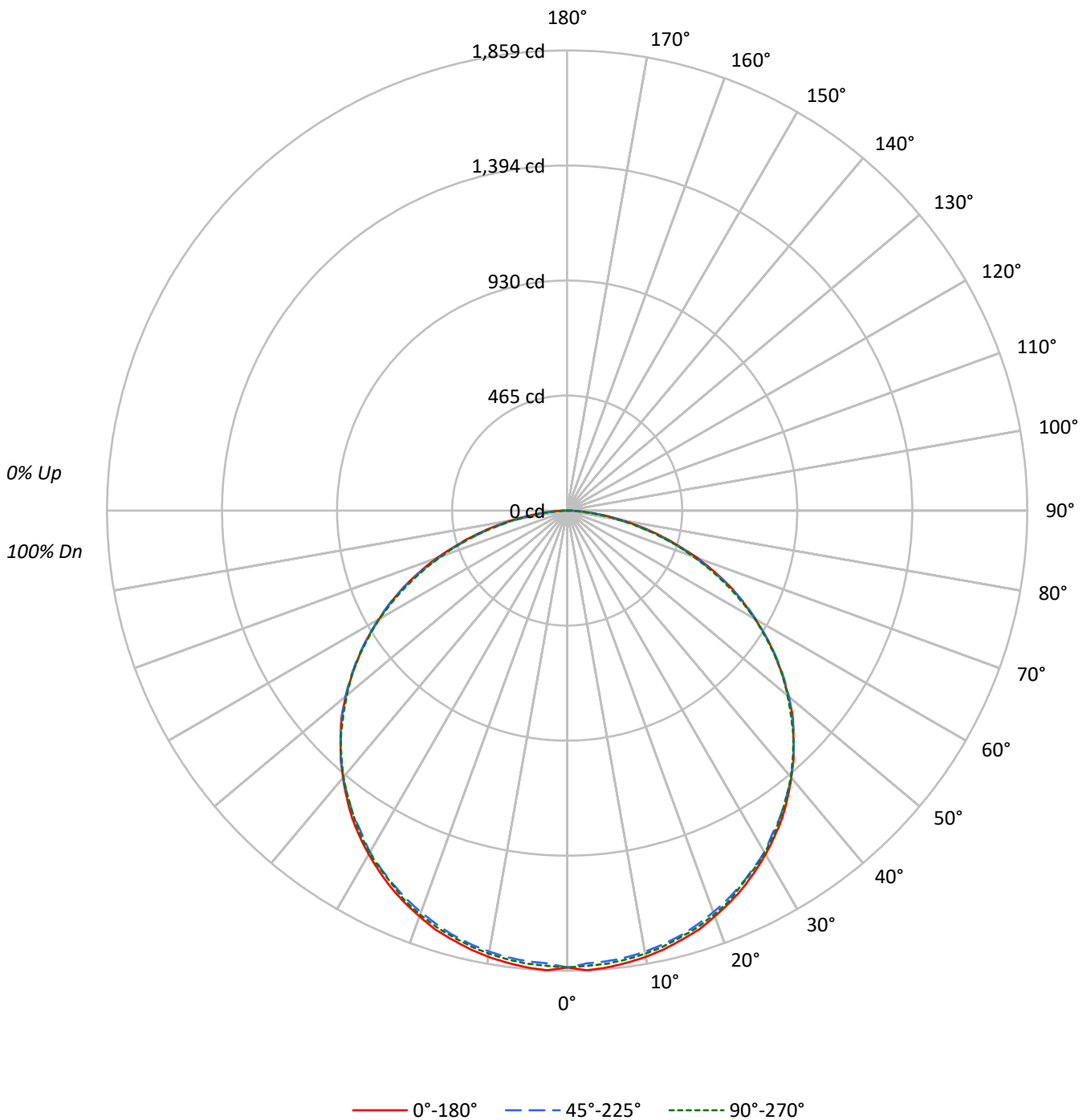
Lumens per Lamp: N/A
Luminaire Lumens: 5519.0 lumens
Efficiency: N/A
Efficacy: 157.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	19868	19868	19868
5°	20016	19747	19854
10°	20012	19776	19866
15°	19996	19792	19866
20°	19984	19774	19889
25°	19971	19773	19813
30°	19930	19806	19847
35°	19914	19762	19783
40°	19802	19779	19755
45°	19684	19709	19684
50°	19541	19596	19457
55°	19282	19344	19250
60°	18904	18975	18867
65°	18516	18392	18137
70°	17605	17240	17029
75°	16086	15533	15600
80°	13891	12862	13172
85°	10461	10041	9016



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.1	3.2
10°-20°	504.6	9.1
20°-30°	772.0	14.0
30°-40°	943.9	17.1
40°-50°	998.5	18.1
50°-60°	920.0	16.7
60°-70°	708.9	12.8
70°-80°	397.2	7.2
80°-90°	98.7	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°	1451.7	26.3
0°-40°	2395.6	43.4
0°-60°	4314.1	78.2
0°-90°	5519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5519.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1846	1846	1846	1846	1846	
5°	1852	1846	1828	1846	1838	176
15°	1794	1791	1776	1791	1783	507
25°	1682	1678	1665	1678	1668	775
35°	1516	1512	1504	1509	1506	947
45°	1293	1298	1295	1293	1293	999
55°	1028	1036	1031	1031	1026	918
65°	727	727	722	704	712	715
75°	387	382	374	360	375	410
85°	85	80	81	81	73	105
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1845.8	1845.8	1845.8	1845.8	1845.8
2.5°	1859.1	1850.8	1830.9	1849.1	1840.8
5°	1852.5	1845.8	1827.6	1845.8	1837.5
7.5°	1842.5	1837.5	1820.9	1837.5	1829.2
10°	1830.9	1825.9	1809.3	1825.9	1817.6
12.5°	1814.3	1811.0	1794.4	1811.0	1802.7
15°	1794.4	1791.0	1776.1	1791.0	1782.7
17.5°	1774.4	1767.8	1752.9	1769.5	1762.8
20°	1744.6	1741.3	1726.3	1741.3	1736.3
22.5°	1714.7	1711.4	1698.1	1711.4	1708.1
25°	1681.5	1678.2	1664.9	1678.2	1668.2
27.5°	1643.3	1645.0	1630.0	1638.3	1633.4
30°	1603.5	1603.5	1593.5	1596.8	1596.8
32.5°	1560.3	1560.3	1545.4	1555.3	1553.7
35°	1515.5	1512.2	1503.9	1508.9	1505.5
37.5°	1462.4	1460.7	1455.7	1459.1	1455.7
40°	1409.3	1410.9	1407.6	1405.9	1405.9
42.5°	1354.5	1357.8	1352.8	1351.2	1349.5
45°	1293.1	1298.1	1294.7	1293.1	1293.1
47.5°	1236.6	1238.3	1233.3	1231.7	1226.7
50°	1166.9	1173.6	1170.2	1166.9	1161.9
52.5°	1097.2	1107.2	1100.5	1097.2	1097.2
55°	1027.5	1035.8	1030.8	1030.8	1025.8
57.5°	954.5	962.8	956.1	956.1	949.5
60°	878.1	886.4	881.4	876.4	876.4
62.5°	801.7	808.4	806.7	798.4	793.4
65°	727.0	727.0	722.1	703.8	712.1
67.5°	642.4	640.7	634.1	615.8	627.4
70°	559.4	559.4	547.8	526.2	541.1
72.5°	469.8	474.7	459.8	444.9	459.8
75°	386.8	381.8	373.5	360.2	375.1
77.5°	307.1	298.8	288.8	282.2	290.5
80°	224.1	219.1	207.5	207.5	212.5
82.5°	152.7	147.7	139.4	141.1	134.5
85°	84.7	79.7	81.3	81.3	73.0
87.5°	34.9	34.9	34.9	31.5	28.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)