

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: P566564

Luminaire Tested: **4SNX-51SL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566564
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-L940-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

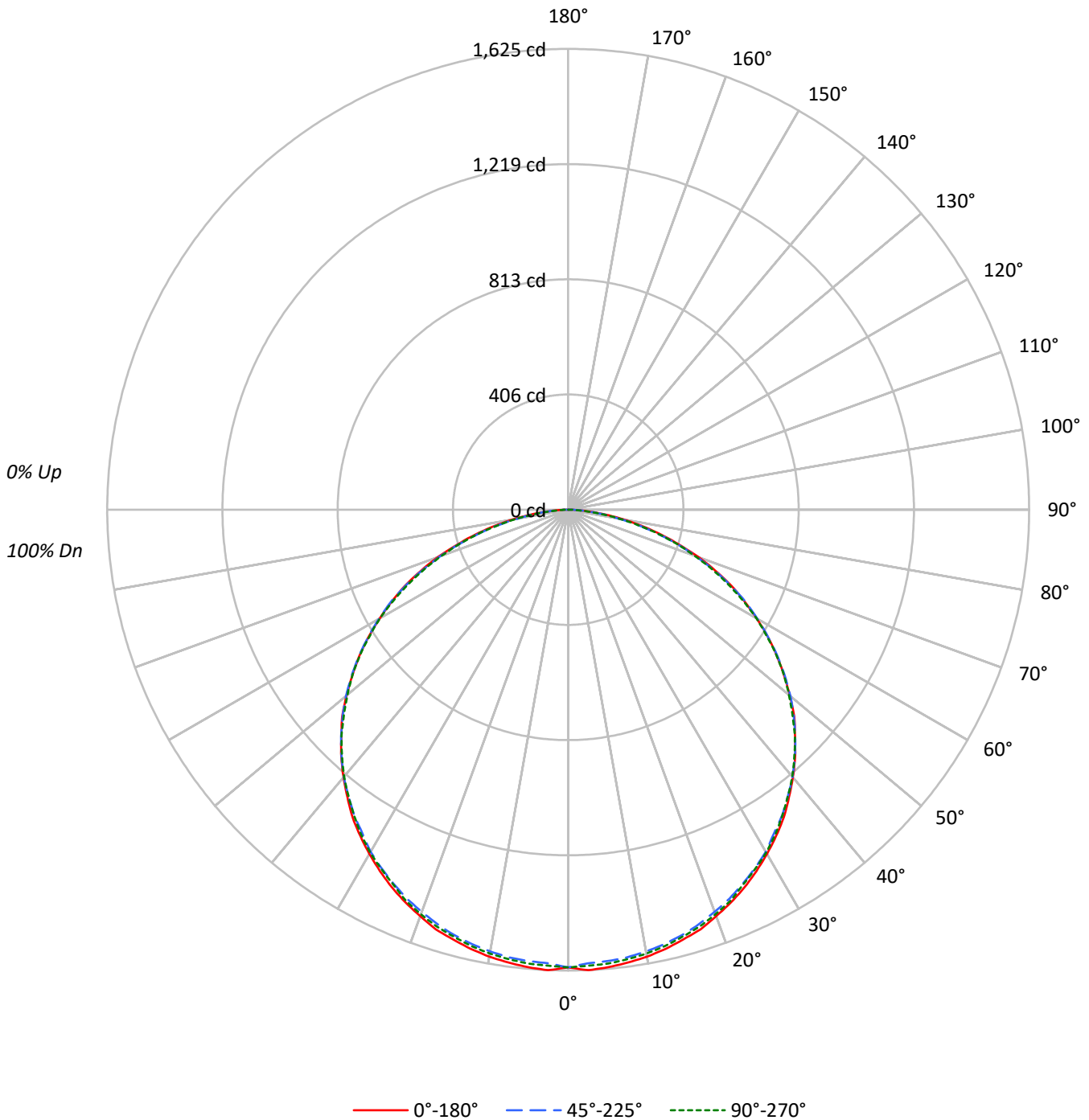
Lumens per Lamp: N/A
Luminaire Lumens: 4825.0 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	17370	17370	17370
5°	17499	17264	17358
10°	17496	17289	17368
15°	17481	17304	17368
20°	17471	17287	17387
25°	17460	17286	17321
30°	17423	17315	17351
35°	17410	17277	17295
40°	17313	17292	17272
45°	17209	17230	17209
50°	17084	17133	17010
55°	16858	16912	16830
60°	16527	16589	16495
65°	16188	16079	15857
70°	15390	15072	14889
75°	14061	13579	13641
80°	12143	11244	11517
85°	9139	8781	7892



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	3.2
10°-20°	441.1	9.1
20°-30°	674.9	14.0
30°-40°	825.2	17.1
40°-50°	873.0	18.1
50°-60°	804.3	16.7
60°-70°	619.8	12.8
70°-80°	347.3	7.2
80°-90°	86.3	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°	1269.1	26.3
0°-40°	2094.4	43.4
0°-60°	3771.6	78.2
0°-90°	4825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4825.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1614	1614	1614	1614	1614	
5°	1620	1614	1598	1614	1606	154
15°	1569	1566	1553	1566	1559	443
25°	1470	1467	1456	1467	1458	678
35°	1325	1322	1315	1319	1316	828
45°	1130	1135	1132	1130	1130	873
55°	898	906	901	901	897	802
65°	636	636	631	615	623	625
75°	338	334	326	315	328	359
85°	74	70	71	71	64	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1613.7	1613.7	1613.7	1613.7	1613.7
2.5°	1625.3	1618.1	1600.7	1616.6	1609.4
5°	1619.5	1613.7	1597.8	1613.7	1606.5
7.5°	1610.8	1606.5	1591.9	1606.5	1599.2
10°	1600.7	1596.3	1581.8	1596.3	1589.0
12.5°	1586.1	1583.2	1568.7	1583.2	1576.0
15°	1568.7	1565.8	1552.8	1565.8	1558.6
17.5°	1551.3	1545.5	1532.5	1547.0	1541.2
20°	1525.2	1522.3	1509.2	1522.3	1517.9
22.5°	1499.1	1496.2	1484.6	1496.2	1493.3
25°	1470.1	1467.1	1455.5	1467.1	1458.4
27.5°	1436.7	1438.1	1425.1	1432.3	1428.0
30°	1401.8	1401.8	1393.1	1396.0	1396.0
32.5°	1364.1	1364.1	1351.1	1359.8	1358.3
35°	1324.9	1322.0	1314.8	1319.1	1316.2
37.5°	1278.5	1277.0	1272.7	1275.6	1272.7
40°	1232.1	1233.5	1230.6	1229.2	1229.2
42.5°	1184.2	1187.1	1182.7	1181.3	1179.8
45°	1130.5	1134.8	1131.9	1130.5	1130.5
47.5°	1081.1	1082.6	1078.2	1076.8	1072.4
50°	1020.2	1026.0	1023.1	1020.2	1015.8
52.5°	959.2	967.9	962.1	959.2	959.2
55°	898.3	905.5	901.2	901.2	896.8
57.5°	834.4	841.7	835.9	835.9	830.1
60°	767.7	774.9	770.6	766.2	766.2
62.5°	700.9	706.7	705.3	698.0	693.7
65°	635.6	635.6	631.3	615.3	622.6
67.5°	561.6	560.2	554.4	538.4	548.5
70°	489.0	489.0	478.9	460.0	473.1
72.5°	410.7	415.0	402.0	388.9	402.0
75°	338.1	333.8	326.5	314.9	328.0
77.5°	268.5	261.2	252.5	246.7	254.0
80°	195.9	191.6	181.4	181.4	185.8
82.5°	133.5	129.2	121.9	123.4	117.5
85°	74.0	69.7	71.1	71.1	63.9
87.5°	30.5	30.5	30.5	27.6	24.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)