

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: P217967

Luminaire Tested: **4SNLED-LD5-52SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217967  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-52SL-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4949.0 lumens  
Efficiency: N/A  
Efficacy: 127.9 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

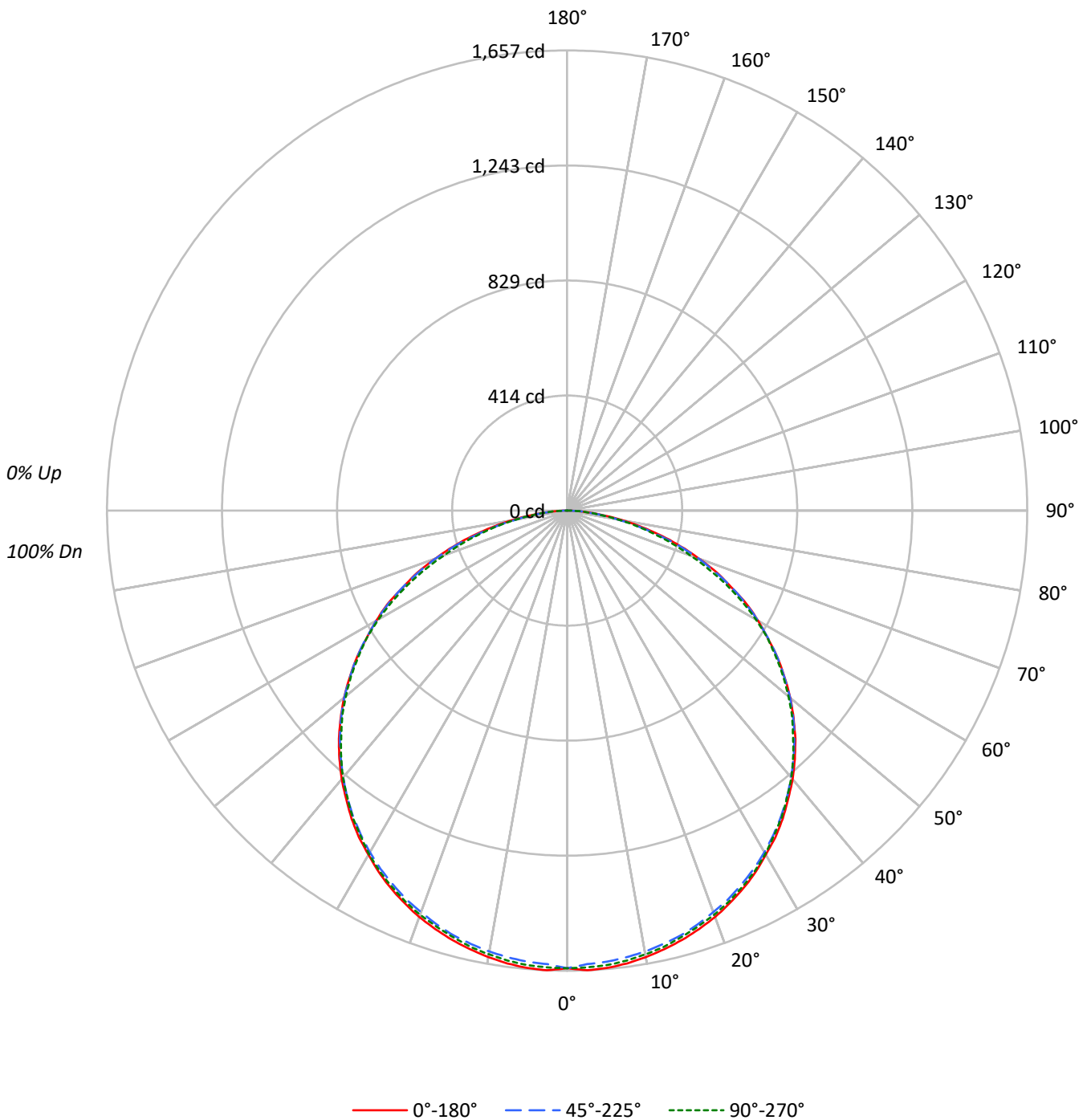
Input Watts (W): 38.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23					23			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	26559	26559	26559
5°	26647	24786	24439
10°	26521	23348	22570
15°	26401	22057	20919
20°	26308	20807	19474
25°	26177	19660	18118
30°	25997	18545	16838
35°	25874	17437	15585
40°	25670	16309	14369
45°	25421	15182	13105
50°	25055	13983	11902
55°	24548	12676	10614
60°	23869	11246	9267
65°	22820	9663	7679
70°	21340	7814	5939
75°	19085	5628	4256
80°	15284	3344	2643
85°	9424	1445	1069



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.2	3.2
10°-20°	449.7	9.1
20°-30°	688.9	13.9
30°-40°	843.3	17.0
40°-50°	892.4	18.0
50°-60°	825.3	16.7
60°-70°	640.9	12.9
70°-80°	361.0	7.3
80°-90°	91.3	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°	1294.8	26.2
0°-40°	2138.1	43.2
0°-60°	3855.8	77.9
0°-90°	4949.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4949.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1648	1648	1648	1648	1648	
5°	1653	1646	1631	1646	1643	157
15°	1600	1595	1583	1597	1590	452
25°	1501	1496	1486	1498	1494	692
35°	1354	1349	1344	1347	1347	847
45°	1162	1160	1157	1155	1150	896
55°	926	929	926	922	917	826
65°	652	657	654	645	633	647
75°	354	354	339	330	324	373
85°	75	75	74	74	72	94
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1648.2	1648.2	1648.2	1648.2	1648.2
2.5°	1656.8	1649.9	1634.5	1649.9	1646.5
5°	1653.4	1646.5	1631.1	1646.5	1643.1
7.5°	1644.8	1639.7	1622.6	1638.0	1634.5
10°	1632.8	1627.7	1612.3	1627.7	1622.6
12.5°	1617.4	1612.3	1598.6	1612.3	1608.9
15°	1600.3	1595.2	1583.2	1596.9	1590.0
17.5°	1579.8	1576.3	1562.6	1576.3	1569.5
20°	1557.5	1550.7	1538.7	1552.4	1549.0
22.5°	1530.1	1526.7	1514.7	1526.7	1523.3
25°	1501.0	1495.9	1485.6	1497.6	1494.2
27.5°	1468.5	1465.1	1454.8	1463.4	1463.4
30°	1430.9	1429.1	1420.6	1429.1	1427.4
32.5°	1394.9	1391.5	1382.9	1389.8	1386.4
35°	1353.8	1348.7	1343.6	1347.0	1347.0
37.5°	1307.6	1305.9	1300.8	1305.9	1300.8
40°	1263.1	1259.7	1254.6	1256.3	1256.3
42.5°	1213.5	1211.8	1206.6	1206.6	1204.9
45°	1162.1	1160.4	1157.0	1155.3	1150.2
47.5°	1105.7	1104.0	1104.0	1102.2	1098.8
50°	1049.2	1049.2	1047.5	1042.3	1040.6
52.5°	987.6	991.0	985.9	982.4	980.7
55°	925.9	929.4	925.9	922.5	917.4
57.5°	857.5	864.3	859.2	857.5	855.8
60°	794.2	797.6	794.2	789.0	785.6
62.5°	729.1	729.1	724.0	720.6	710.3
65°	652.1	657.2	653.8	645.3	633.3
67.5°	583.6	580.2	576.8	566.5	552.8
70°	504.9	506.6	501.5	486.1	472.4
72.5°	429.6	433.0	422.8	402.2	398.8
75°	354.3	354.3	338.9	330.3	323.5
77.5°	277.3	279.0	258.4	256.7	255.0
80°	203.7	207.1	186.6	191.7	190.0
82.5°	138.6	135.2	126.7	126.7	124.9
85°	75.3	75.3	73.6	73.6	71.9
87.5°	29.1	30.8	34.2	37.7	35.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)