

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: P217962

Luminaire Tested: **4SNLED-LD5-44SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217962
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-LD5-44SL-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4809.0 lumens
Efficiency: N/A
Efficacy: 157.2 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

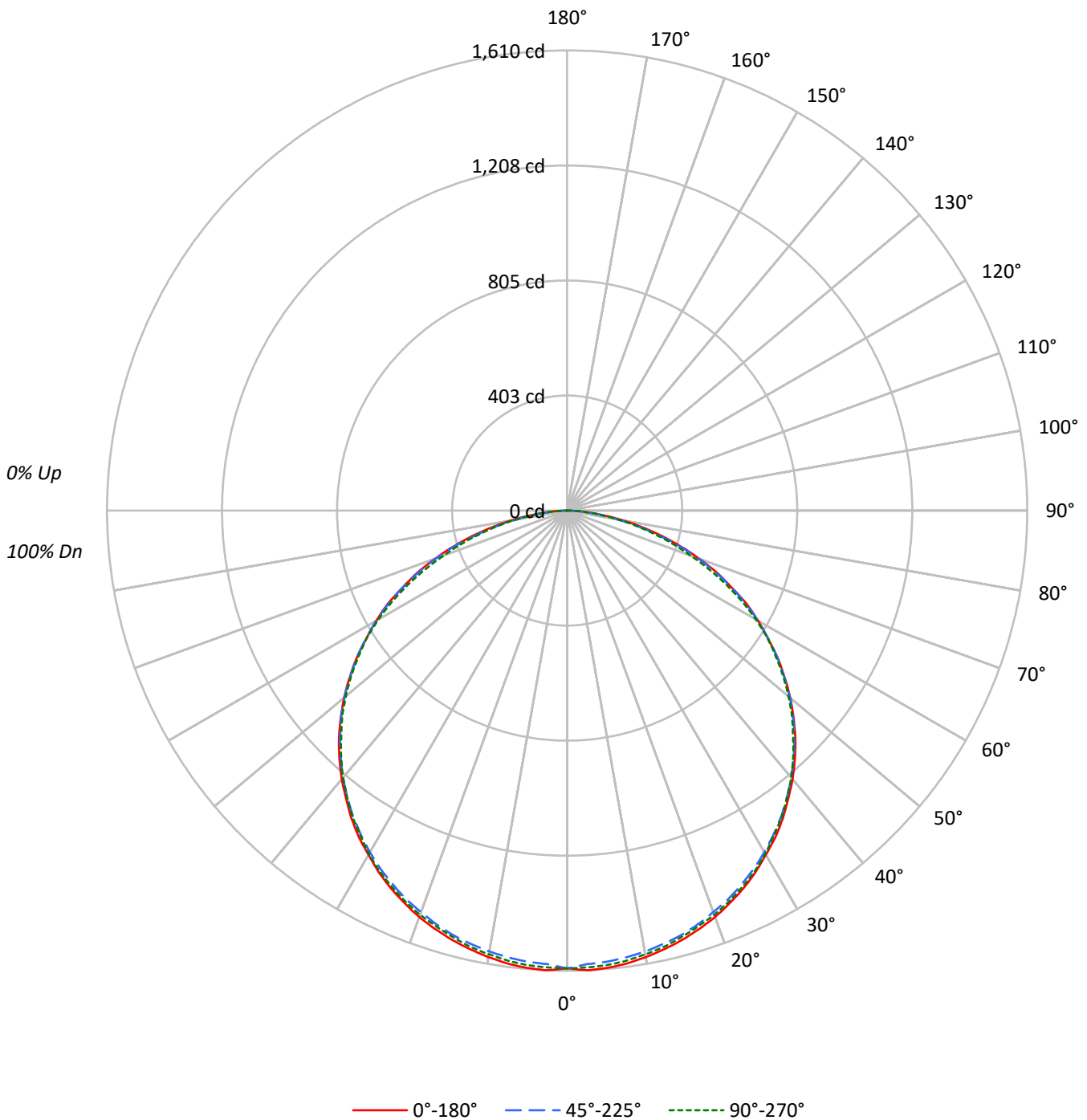
Input Watts (W): 30.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	25808	25808	25808
5°	25892	24085	23748
10°	25771	22688	21931
15°	25654	21433	20328
20°	25565	20219	18922
25°	25438	19104	17605
30°	25261	18020	16362
35°	25142	16943	15144
40°	24944	15848	13962
45°	24703	14753	12734
50°	24346	13587	11566
55°	23856	12319	10313
60°	23193	10928	9005
65°	22176	9390	7462
70°	20735	7592	5771
75°	18546	5468	4135
80°	14848	3249	2568
85°	9162	1403	1040



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.8	3.2
10°-20°	436.9	9.1
20°-30°	669.5	13.9
30°-40°	819.4	17.0
40°-50°	867.1	18.0
50°-60°	802.0	16.7
60°-70°	622.8	12.9
70°-80°	350.8	7.3
80°-90°	88.7	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°	1258.2	26.2
0°-40°	2077.6	43.2
0°-60°	3746.7	77.9
0°-90°	4809.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4809.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1602	1602	1602	1602	1602	
5°	1607	1600	1585	1600	1597	153
15°	1555	1550	1538	1552	1545	439
25°	1459	1454	1444	1455	1452	672
35°	1316	1310	1306	1309	1309	823
45°	1129	1128	1124	1123	1118	870
55°	900	903	900	896	891	803
65°	634	639	635	627	615	629
75°	344	344	329	321	314	363
85°	73	73	72	72	70	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1601.6	1601.6	1601.6	1601.6	1601.6
2.5°	1609.9	1603.3	1588.3	1603.3	1599.9
5°	1606.6	1599.9	1585.0	1599.9	1596.6
7.5°	1598.3	1593.3	1576.7	1591.6	1588.3
10°	1586.6	1581.6	1566.7	1581.6	1576.7
12.5°	1571.7	1566.7	1553.4	1566.7	1563.3
15°	1555.0	1550.0	1538.4	1551.7	1545.1
17.5°	1535.1	1531.7	1518.4	1531.7	1525.1
20°	1513.5	1506.8	1495.2	1508.5	1505.1
22.5°	1486.8	1483.5	1471.9	1483.5	1480.2
25°	1458.6	1453.6	1443.6	1455.2	1451.9
27.5°	1427.0	1423.6	1413.7	1422.0	1422.0
30°	1390.4	1388.7	1380.4	1388.7	1387.1
32.5°	1355.5	1352.1	1343.8	1350.5	1347.1
35°	1315.5	1310.5	1305.6	1308.9	1308.9
37.5°	1270.6	1269.0	1264.0	1269.0	1264.0
40°	1227.4	1224.1	1219.1	1220.7	1220.7
42.5°	1179.2	1177.5	1172.5	1172.5	1170.8
45°	1129.3	1127.6	1124.3	1122.6	1117.6
47.5°	1074.4	1072.7	1072.7	1071.1	1067.7
50°	1019.5	1019.5	1017.8	1012.8	1011.2
52.5°	959.6	963.0	958.0	954.6	953.0
55°	899.8	903.1	899.8	896.4	891.4
57.5°	833.2	839.9	834.9	833.2	831.6
60°	771.7	775.0	771.7	766.7	763.4
62.5°	708.5	708.5	703.5	700.2	690.2
65°	633.7	638.6	635.3	627.0	615.4
67.5°	567.1	563.8	560.5	550.5	537.2
70°	490.6	492.3	487.3	472.3	459.0
72.5°	417.4	420.8	410.8	390.8	387.5
75°	344.3	344.3	329.3	321.0	314.3
77.5°	269.4	271.1	251.1	249.5	247.8
80°	197.9	201.2	181.3	186.3	184.6
82.5°	134.7	131.4	123.1	123.1	121.4
85°	73.2	73.2	71.5	71.5	69.9
87.5°	28.3	29.9	33.3	36.6	34.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)