

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: P218201

Luminaire Tested: **4SNLED-LD5-41SL-LN-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-41SL-LN-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4219.0 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

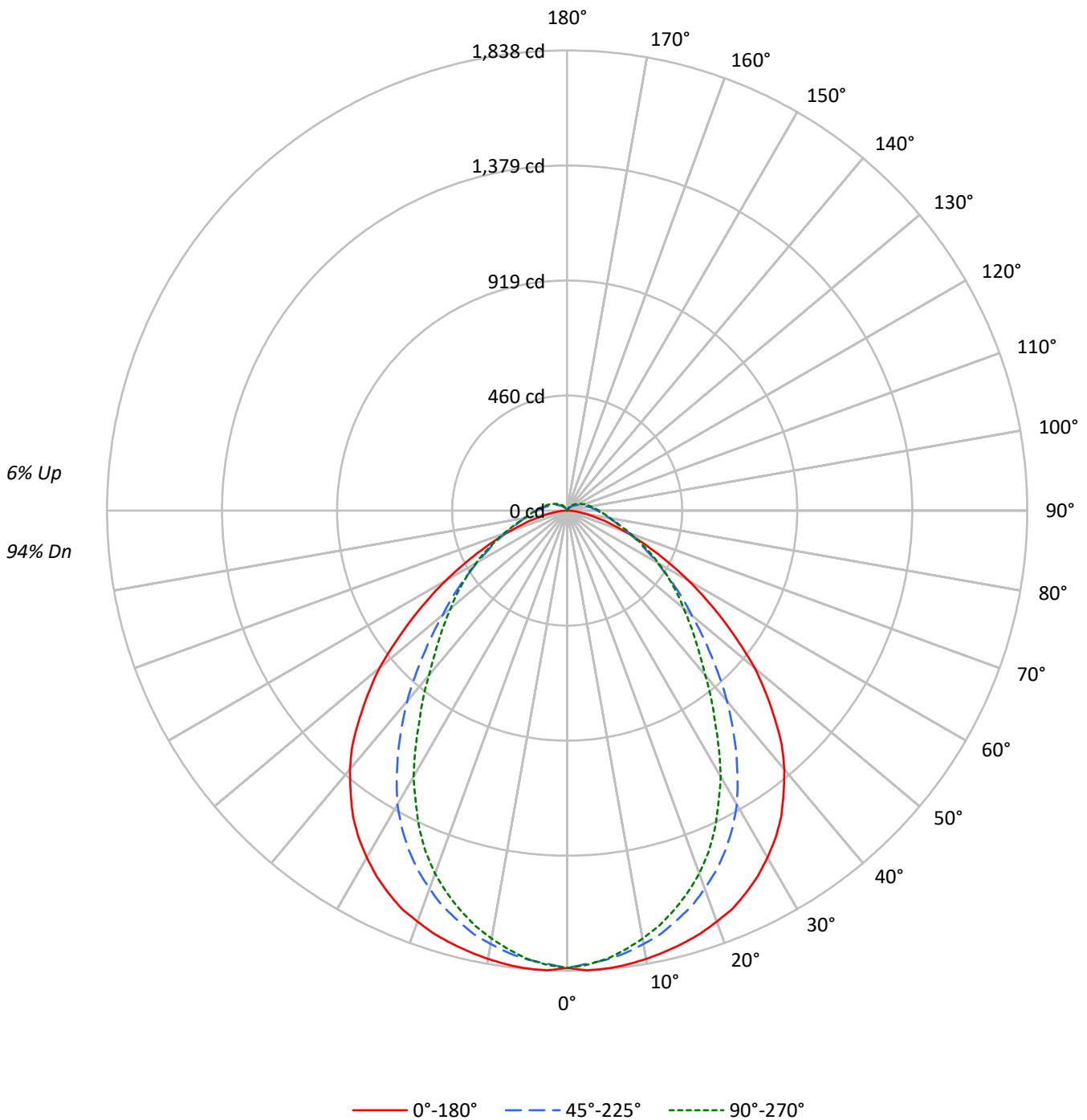
Input Watts (W): 30.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29441	29441	29441
5°	29590	27360	26748
10°	29534	25461	24147
15°	29521	23598	21728
20°	29510	21732	19394
25°	29423	19796	16952
30°	29077	17701	14474
35°	28506	15260	11908
40°	27420	12916	9813
45°	25624	10617	8231
50°	23355	8665	6940
55°	20096	7152	5915
60°	16833	5854	4956
65°	13379	4863	4097
70°	10427	4087	3382
75°	7902	3469	2808
80°	5507	3068	2412
85°	3342	2793	2182



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.8	4.1
10°-20°	482.1	11.4
20°-30°	698.1	16.5
30°-40°	759.8	18.0
40°-50°	674.8	16.0
50°-60°	513.6	12.2
60°-70°	341.0	8.1
70°-80°	207.8	4.9
80°-90°	128.8	3.1
90°-100°	87.9	2.1
100°-110°	61.7	1.5
110°-120°	42.0	1.0
120°-130°	26.7	0.6
130°-140°	15.2	0.4
140°-150°	7.1	0.2
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1352.0	32.0
0°-40°	2111.8	50.1
0°-60°	3300.2	78.2
0°-90°	3977.8	94.3
90°-120°	191.7	4.5
90°-150°	240.7	5.7
90°-180°	241.0	5.7
0°-180°	4219.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1827	1827	1827	1827	1827	
5°	1836	1825	1800	1809	1798	175
15°	1789	1758	1694	1674	1652	506
25°	1687	1612	1496	1436	1398	777
35°	1492	1358	1176	1074	1029	929
45°	1171	996	809	740	722	902
55°	758	616	522	514	511	680
65°	382	329	329	342	338	386
75°	147	167	209	220	213	159
85°	27	84	142	151	147	32
90°	0	62	120	131	127	2
95°	0	49	102	113	111	0
105°	0	31	73	84	84	0
115°	0	20	53	64	62	0
125°	0	13	36	44	44	0
135°	0	9	24	31	31	0
145°	0	4	13	18	18	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218201

CATALOG NUMBER: 4SNLED-LD5-41SL-LN-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1827.1	1827.1	1827.1	1827.1	1827.1
2.5°	1838.3	1829.4	1811.6	1822.7	1816.0
5°	1836.0	1824.9	1800.5	1809.4	1798.3
7.5°	1829.4	1816.0	1782.7	1787.1	1769.4
10°	1818.3	1800.5	1758.2	1753.8	1736.0
12.5°	1804.9	1782.7	1731.6	1716.0	1698.2
15°	1789.4	1758.2	1693.8	1673.8	1651.5
17.5°	1771.6	1729.3	1656.0	1624.9	1600.4
20°	1747.1	1696.0	1607.1	1569.3	1542.6
22.5°	1722.7	1656.0	1556.0	1504.8	1475.9
25°	1687.1	1611.5	1495.9	1435.9	1398.1
27.5°	1647.1	1560.4	1429.3	1351.5	1309.2
30°	1600.4	1500.4	1355.9	1264.8	1227.0
32.5°	1549.3	1433.7	1267.0	1169.2	1127.0
35°	1491.5	1358.1	1175.9	1073.6	1029.2
37.5°	1420.4	1275.9	1084.7	980.3	944.7
40°	1349.2	1189.2	993.6	895.8	858.0
42.5°	1269.2	1093.6	900.2	811.3	784.7
45°	1171.4	995.8	809.1	740.2	722.4
47.5°	1075.8	895.8	726.9	678.0	662.4
50°	978.0	798.0	649.1	617.9	606.8
52.5°	864.7	702.4	584.6	564.6	560.1
55°	758.0	615.7	522.4	513.5	511.2
57.5°	655.7	533.5	464.6	471.2	466.8
60°	560.1	457.9	413.4	422.3	420.1
62.5°	466.8	389.0	366.8	384.5	380.1
65°	382.3	329.0	329.0	342.3	337.9
67.5°	309.0	280.1	293.4	306.7	302.3
70°	246.7	235.6	262.3	273.4	269.0
72.5°	191.2	197.8	231.2	244.5	237.8
75°	146.7	166.7	208.9	220.1	213.4
77.5°	104.5	140.0	188.9	197.8	191.2
80°	73.4	117.8	171.2	180.0	173.4
82.5°	46.7	100.0	155.6	164.5	160.0
85°	26.7	84.5	142.3	151.2	146.7
87.5°	13.3	73.4	128.9	140.0	135.6
90°	0.0	62.2	120.0	131.1	126.7
92.5°	0.0	55.6	111.1	122.3	117.8
95°	0.0	48.9	102.2	113.4	111.1
97.5°	0.0	44.5	95.6	106.7	102.2
100°	0.0	37.8	86.7	97.8	95.6
102.5°	0.0	35.6	80.0	91.1	88.9
105°	0.0	31.1	73.4	84.5	84.5
107.5°	0.0	28.9	68.9	80.0	77.8
110°	0.0	24.5	62.2	73.4	73.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.2	57.8	68.9	66.7
115°	0.0	20.0	53.3	64.5	62.2
117.5°	0.0	20.0	48.9	57.8	57.8
120°	0.0	17.8	44.5	53.3	53.3
122.5°	0.0	15.6	40.0	48.9	48.9
125°	0.0	13.3	35.6	44.5	44.5
127.5°	0.0	13.3	33.3	42.2	42.2
130°	0.0	11.1	28.9	37.8	37.8
132.5°	0.0	8.9	26.7	33.3	33.3
135°	0.0	8.9	24.5	31.1	31.1
137.5°	0.0	6.7	20.0	26.7	26.7
140°	0.0	6.7	17.8	24.5	24.5
142.5°	0.0	4.4	15.6	22.2	20.0
145°	0.0	4.4	13.3	17.8	17.8
147.5°	0.0	2.2	11.1	15.6	15.6
150°	0.0	2.2	8.9	13.3	11.1
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)