

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: P218205

Luminaire Tested: **4SNLED-LD5-46SL-LN-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218205
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-LD5-46SL-LN-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4662.0 lumens
Efficiency: N/A
Efficacy: 134.7 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

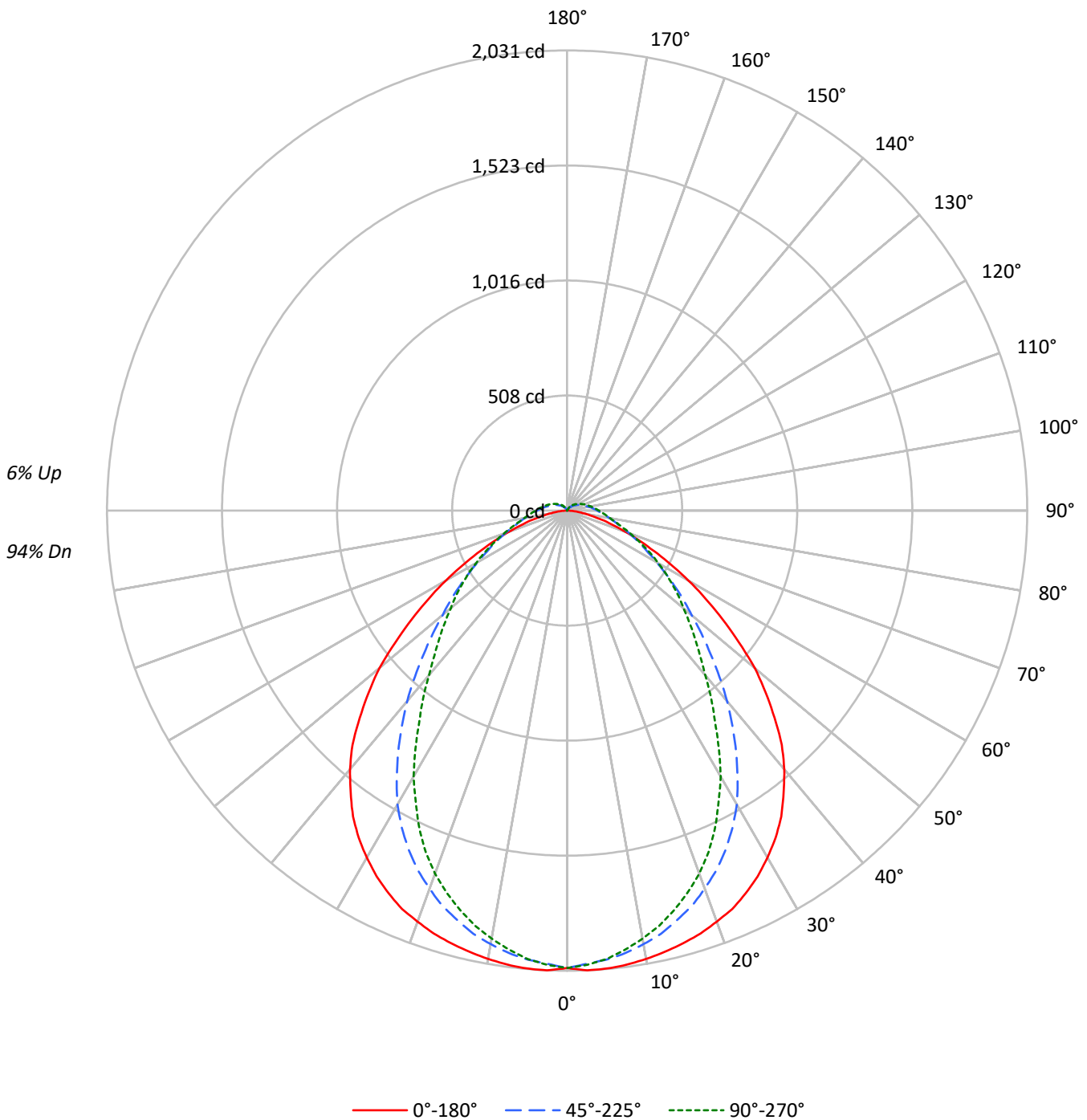
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	32533	32533	32533
5°	32697	30232	29556
10°	32635	28136	26683
15°	32619	26075	24011
20°	32610	24013	21430
25°	32513	21875	18734
30°	32131	19560	15993
35°	31499	16862	13157
40°	30299	14272	10844
45°	28315	11732	9096
50°	25807	9574	7669
55°	22207	7902	6536
60°	18603	6470	5476
65°	14785	5373	4526
70°	11521	4515	3736
75°	8732	3834	3102
80°	6085	3389	2665
85°	3692	3085	2411



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.8	4.1
10°-20°	532.7	11.4
20°-30°	771.4	16.5
30°-40°	839.6	18.0
40°-50°	745.7	16.0
50°-60°	567.6	12.2
60°-70°	376.8	8.1
70°-80°	229.6	4.9
80°-90°	142.3	3.1
90°-100°	97.2	2.1
100°-110°	68.2	1.5
110°-120°	46.5	1.0
120°-130°	29.5	0.6
130°-140°	16.7	0.4
140°-150°	7.9	0.2
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1493.9	32.0
0°-40°	2333.5	50.1
0°-60°	3646.8	78.2
0°-90°	4395.5	94.3
90°-120°	211.8	4.5
90°-150°	265.9	5.7
90°-180°	266.0	5.7
0°-180°	4662.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2019	2019	2019	2019	2019	
5°	2029	2016	1990	1999	1987	193
15°	1977	1943	1872	1850	1825	559
25°	1864	1781	1653	1587	1545	858
35°	1648	1501	1299	1186	1137	1027
45°	1294	1100	894	818	798	997
55°	838	680	577	567	565	751
65°	422	364	364	378	373	426
75°	162	184	231	243	236	175
85°	30	93	157	167	162	35
90°	0	69	133	145	140	2
95°	0	54	113	125	123	0
105°	0	34	81	93	93	0
115°	0	22	59	71	69	0
125°	0	15	39	49	49	0
135°	0	10	27	34	34	0
145°	0	5	15	20	20	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2019.0	2019.0	2019.0	2019.0	2019.0
2.5°	2031.3	2021.5	2001.8	2014.1	2006.7
5°	2028.8	2016.5	1989.5	1999.3	1987.1
7.5°	2021.5	2006.7	1969.9	1974.8	1955.1
10°	2009.2	1989.5	1942.9	1937.9	1918.3
12.5°	1994.4	1969.9	1913.4	1896.2	1876.5
15°	1977.2	1942.9	1871.6	1849.5	1825.0
17.5°	1957.6	1910.9	1829.9	1795.5	1768.5
20°	1930.6	1874.1	1775.8	1734.1	1704.6
22.5°	1903.6	1829.9	1719.3	1662.8	1630.9
25°	1864.3	1780.7	1653.0	1586.7	1545.0
27.5°	1820.0	1724.3	1579.3	1493.4	1446.7
30°	1768.5	1657.9	1498.3	1397.6	1355.8
32.5°	1712.0	1584.3	1400.0	1292.0	1245.3
35°	1648.1	1500.7	1299.3	1186.3	1137.2
37.5°	1569.5	1409.9	1198.6	1083.2	1043.9
40°	1490.9	1314.1	1097.9	989.8	948.1
42.5°	1402.5	1208.5	994.8	896.5	867.0
45°	1294.4	1100.4	894.1	817.9	798.3
47.5°	1188.8	989.8	803.2	749.1	731.9
50°	1080.7	881.8	717.2	682.8	670.5
52.5°	955.5	776.2	646.0	623.9	619.0
55°	837.6	680.4	577.2	567.4	564.9
57.5°	724.6	589.5	513.3	520.7	515.8
60°	619.0	506.0	456.9	466.7	464.2
62.5°	515.8	429.8	405.3	424.9	420.0
65°	422.5	363.5	363.5	378.3	373.3
67.5°	341.4	309.5	324.2	339.0	334.0
70°	272.6	260.4	289.8	302.1	297.2
72.5°	211.2	218.6	255.4	270.2	262.8
75°	162.1	184.2	230.9	243.2	235.8
77.5°	115.4	154.7	208.8	218.6	211.2
80°	81.1	130.2	189.1	199.0	191.6
82.5°	51.6	110.5	171.9	181.8	176.8
85°	29.5	93.3	157.2	167.0	162.1
87.5°	14.7	81.1	142.5	154.7	149.8
90°	0.0	68.8	132.6	144.9	140.0
92.5°	0.0	61.4	122.8	135.1	130.2
95°	0.0	54.0	113.0	125.3	122.8
97.5°	0.0	49.1	105.6	117.9	113.0
100°	0.0	41.8	95.8	108.1	105.6
102.5°	0.0	39.3	88.4	100.7	98.2
105°	0.0	34.4	81.1	93.3	93.3
107.5°	0.0	31.9	76.1	88.4	86.0
110°	0.0	27.0	68.8	81.1	81.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.6	63.9	76.1	73.7
115°	0.0	22.1	58.9	71.2	68.8
117.5°	0.0	22.1	54.0	63.9	63.9
120°	0.0	19.6	49.1	58.9	58.9
122.5°	0.0	17.2	44.2	54.0	54.0
125°	0.0	14.7	39.3	49.1	49.1
127.5°	0.0	14.7	36.8	46.7	46.7
130°	0.0	12.3	31.9	41.8	41.8
132.5°	0.0	9.8	29.5	36.8	36.8
135°	0.0	9.8	27.0	34.4	34.4
137.5°	0.0	7.4	22.1	29.5	29.5
140°	0.0	7.4	19.6	27.0	27.0
142.5°	0.0	4.9	17.2	24.6	22.1
145°	0.0	4.9	14.7	19.6	19.6
147.5°	0.0	2.5	12.3	17.2	17.2
150°	0.0	2.5	9.8	14.7	12.3
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)