

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: P218183

Luminaire Tested: **4SNLED-LD5-26SL-LN-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218183
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-LD5-26SL-LN-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2583.0 lumens
Efficiency: N/A
Efficacy: 133.8 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

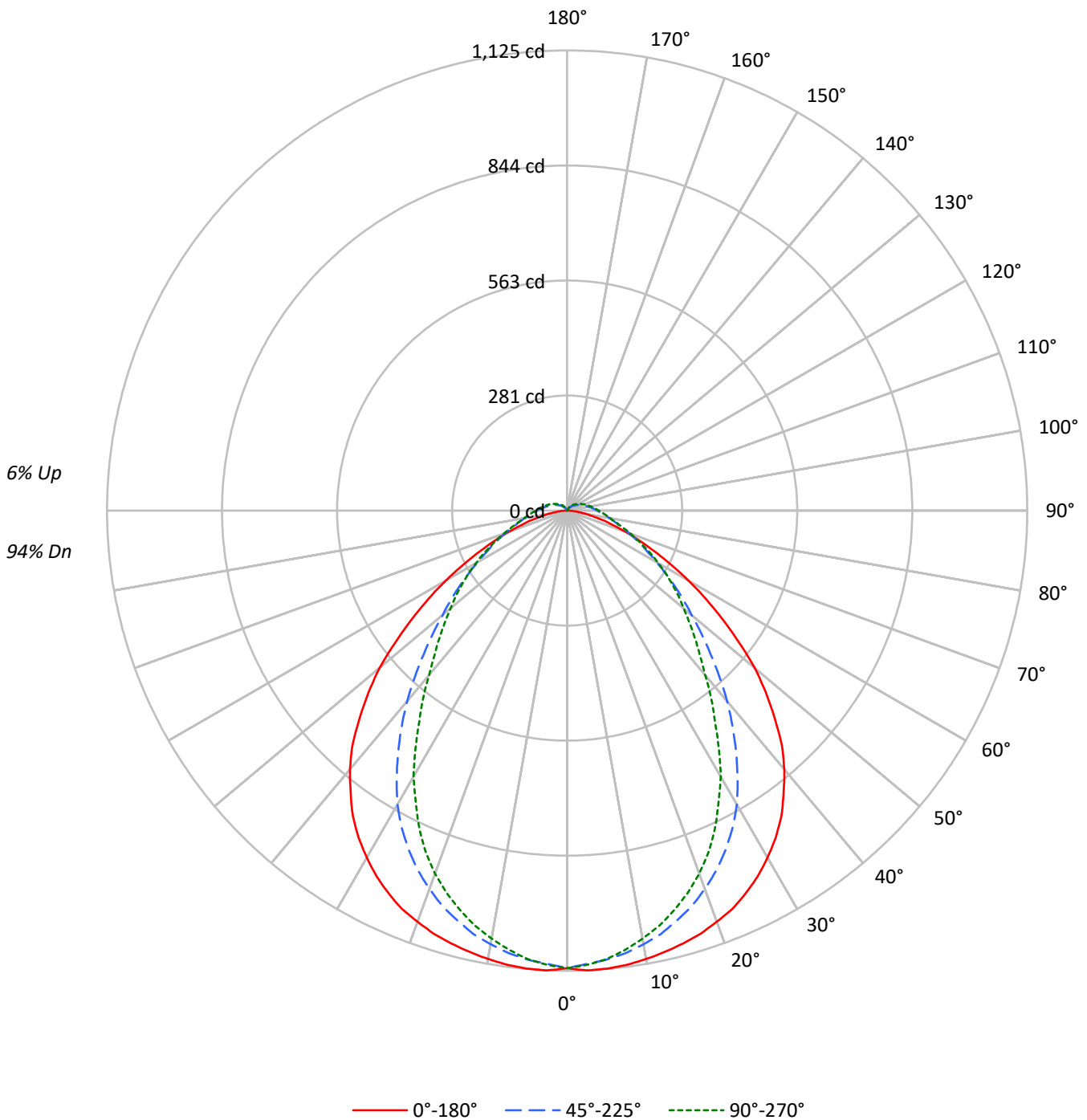
Input Watts (W): 19.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	18025	18025	18025
5°	18116	16750	16375
10°	18081	15588	14783
15°	18073	14448	13303
20°	18067	13305	11873
25°	18014	12121	10379
30°	17801	10837	8861
35°	17452	9342	7290
40°	16787	7908	6008
45°	15689	6501	5040
50°	14299	5305	4249
55°	12304	4378	3621
60°	10306	3584	3034
65°	8192	2977	2509
70°	6386	2502	2071
75°	4837	2124	1718
80°	3369	1878	1476
85°	2040	1710	1336



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	4.1
10°-20°	295.1	11.4
20°-30°	427.4	16.5
30°-40°	465.2	18.0
40°-50°	413.1	16.0
50°-60°	314.5	12.2
60°-70°	208.8	8.1
70°-80°	127.2	4.9
80°-90°	78.8	3.1
90°-100°	53.8	2.1
100°-110°	37.8	1.5
110°-120°	25.7	1.0
120°-130°	16.3	0.6
130°-140°	9.3	0.4
140°-150°	4.4	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	827.7	32.0
0°-40°	1292.9	50.1
0°-60°	2020.5	78.2
0°-90°	2435.3	94.3
90°-120°	117.4	4.5
90°-150°	147.3	5.7
90°-180°	148.0	5.7
0°-180°	2583.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1119	1119	1119	1119	1119	
5°	1124	1117	1102	1108	1101	107
15°	1096	1076	1037	1025	1011	310
25°	1033	987	916	879	856	476
35°	913	832	720	657	630	569
45°	717	610	495	453	442	552
55°	464	377	320	314	313	416
65°	234	201	201	210	207	236
75°	90	102	128	135	131	97
85°	16	52	87	92	90	19
90°	0	38	74	80	78	1
95°	0	30	63	69	68	0
105°	0	19	45	52	52	0
115°	0	12	33	40	38	0
125°	0	8	22	27	27	0
135°	0	5	15	19	19	0
145°	0	3	8	11	11	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°	1118.6	1118.6	1118.6	1118.6	1118.6
2.5°	1125.4	1120.0	1109.1	1115.9	1111.8
5°	1124.1	1117.3	1102.3	1107.7	1100.9
7.5°	1120.0	1111.8	1091.4	1094.1	1083.3
10°	1113.2	1102.3	1076.4	1073.7	1062.8
12.5°	1105.0	1091.4	1060.1	1050.6	1039.7
15°	1095.5	1076.4	1037.0	1024.7	1011.1
17.5°	1084.6	1058.8	1013.8	994.8	979.8
20°	1069.6	1038.3	983.9	960.8	944.4
22.5°	1054.7	1013.8	952.6	921.3	903.6
25°	1032.9	986.6	915.9	879.1	856.0
27.5°	1008.4	955.3	875.0	827.4	801.6
30°	979.8	918.6	830.1	774.3	751.2
32.5°	948.5	877.8	775.7	715.8	690.0
35°	913.1	831.5	719.9	657.3	630.1
37.5°	869.6	781.1	664.1	600.1	578.4
40°	826.0	728.1	608.3	548.4	525.3
42.5°	777.1	669.5	551.2	496.7	480.4
45°	717.2	609.7	495.4	453.2	442.3
47.5°	658.7	548.4	445.0	415.1	405.5
50°	598.8	488.6	397.4	378.3	371.5
52.5°	529.4	430.0	357.9	345.7	342.9
55°	464.1	377.0	319.8	314.4	313.0
57.5°	401.5	326.6	284.4	288.5	285.8
60°	342.9	280.3	253.1	258.6	257.2
62.5°	285.8	238.2	224.5	235.4	232.7
65°	234.1	201.4	201.4	209.6	206.9
67.5°	189.2	171.5	179.6	187.8	185.1
70°	151.1	144.3	160.6	167.4	164.7
72.5°	117.0	121.1	141.5	149.7	145.6
75°	89.8	102.1	127.9	134.7	130.6
77.5°	64.0	85.7	115.7	121.1	117.0
80°	44.9	72.1	104.8	110.2	106.1
82.5°	28.6	61.2	95.3	100.7	98.0
85°	16.3	51.7	87.1	92.5	89.8
87.5°	8.2	44.9	78.9	85.7	83.0
90°	0.0	38.1	73.5	80.3	77.6
92.5°	0.0	34.0	68.0	74.8	72.1
95°	0.0	29.9	62.6	69.4	68.0
97.5°	0.0	27.2	58.5	65.3	62.6
100°	0.0	23.1	53.1	59.9	58.5
102.5°	0.0	21.8	49.0	55.8	54.4
105°	0.0	19.1	44.9	51.7	51.7
107.5°	0.0	17.7	42.2	49.0	47.6
110°	0.0	15.0	38.1	44.9	44.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.6	35.4	42.2	40.8
115°	0.0	12.2	32.7	39.5	38.1
117.5°	0.0	12.2	29.9	35.4	35.4
120°	0.0	10.9	27.2	32.7	32.7
122.5°	0.0	9.5	24.5	29.9	29.9
125°	0.0	8.2	21.8	27.2	27.2
127.5°	0.0	8.2	20.4	25.9	25.9
130°	0.0	6.8	17.7	23.1	23.1
132.5°	0.0	5.4	16.3	20.4	20.4
135°	0.0	5.4	15.0	19.1	19.1
137.5°	0.0	4.1	12.2	16.3	16.3
140°	0.0	4.1	10.9	15.0	15.0
142.5°	0.0	2.7	9.5	13.6	12.2
145°	0.0	2.7	8.2	10.9	10.9
147.5°	0.0	1.4	6.8	9.5	9.5
150°	0.0	1.4	5.4	8.2	6.8
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)