

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: P218167

Luminaire Tested: **2SNLED-LD5-26SL-LN-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218167
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: 2SNLED-LD5-26SL-LN-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2466.1 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

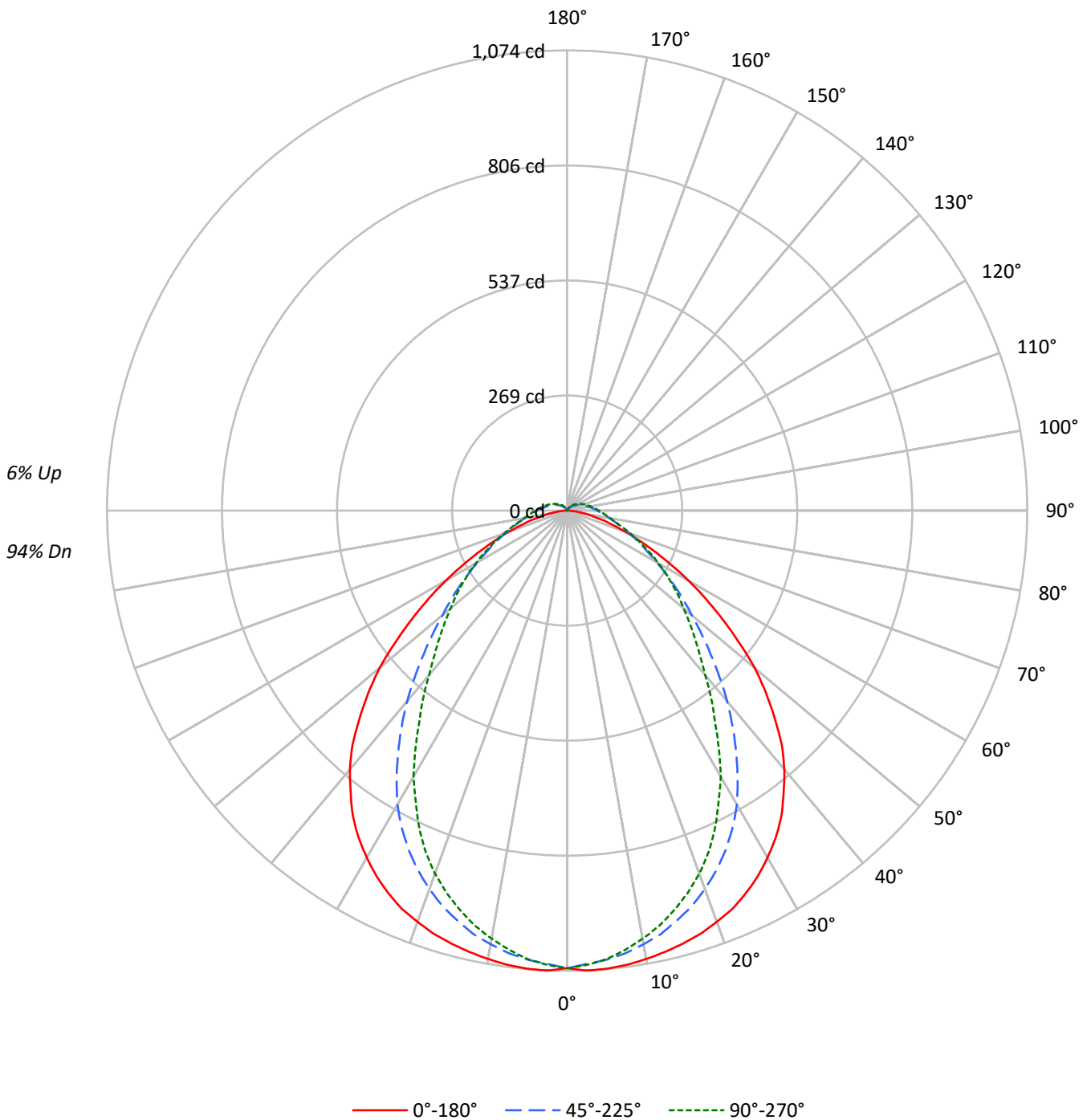
Input Watts (W): 20.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	76	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°	34419	34419	34419
5°	34467	31907	31268
10°	34275	29628	28228
15°	34132	27405	25400
20°	33990	25190	22672
25°	33750	22908	19818
30°	33208	20447	16920
35°	32404	17599	13919
40°	31004	14873	11472
45°	28801	12203	9621
50°	26069	9943	8114
55°	22239	8191	6914
60°	18436	6695	5794
65°	14455	5548	4789
70°	11052	4652	3953
75°	8136	3939	3281
80°	5403	3472	2818
85°	2951	3153	2549



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.4	4.1
10°-20°	281.8	11.4
20°-30°	408.0	16.5
30°-40°	444.1	18.0
40°-50°	394.4	16.0
50°-60°	300.2	12.2
60°-70°	199.3	8.1
70°-80°	121.4	4.9
80°-90°	75.3	3.1
90°-100°	51.4	2.1
100°-110°	36.1	1.5
110°-120°	24.6	1.0
120°-130°	15.6	0.6
130°-140°	8.9	0.4
140°-150°	4.2	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	790.2	32.0
0°-40°	1234.3	50.1
0°-60°	1929.0	78.2
0°-90°	2325.0	94.3
90°-120°	112.1	4.5
90°-150°	140.8	5.7
90°-180°	141.0	5.7
0°-180°	2466.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1068	1068	1068	1068	1068	
5°	1073	1067	1052	1058	1051	102
15°	1046	1028	990	978	965	296
25°	986	942	874	839	817	454
35°	872	794	687	628	602	543
45°	685	582	473	433	422	527
55°	443	360	305	300	299	397
65°	224	192	192	200	198	225
75°	86	97	122	129	125	93
85°	16	49	83	88	86	19
90°	0	36	70	77	74	1
95°	0	29	60	66	65	0
105°	0	18	43	49	49	0
115°	0	12	31	38	36	0
125°	0	8	21	26	26	0
135°	0	5	14	18	18	0
145°	0	3	8	10	10	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°	1068.0	1068.0	1068.0	1068.0	1068.0
2.5°	1074.5	1069.3	1058.9	1065.4	1061.5
5°	1073.2	1066.7	1052.4	1057.6	1051.1
7.5°	1069.3	1061.5	1042.0	1044.6	1034.2
10°	1062.8	1052.4	1027.7	1025.1	1014.7
12.5°	1055.0	1042.0	1012.1	1003.0	992.6
15°	1045.9	1027.7	990.0	978.3	965.3
17.5°	1035.5	1010.8	967.9	949.7	935.4
20°	1021.2	991.3	939.3	917.3	901.7
22.5°	1006.9	967.9	909.5	879.6	862.7
25°	986.1	941.9	874.4	839.3	817.2
27.5°	962.7	912.1	835.4	789.9	765.2
30°	935.4	877.0	792.5	739.3	717.2
32.5°	905.6	838.0	740.6	683.4	658.7
35°	871.8	793.8	687.3	627.5	601.5
37.5°	830.2	745.8	634.0	573.0	552.2
40°	788.6	695.1	580.8	523.6	501.5
42.5°	741.9	639.2	526.2	474.2	458.6
45°	684.7	582.1	472.9	432.6	422.2
47.5°	628.8	523.6	424.8	396.3	387.2
50°	571.7	466.4	379.4	361.2	354.7
52.5°	505.4	410.6	341.7	330.0	327.4
55°	443.0	359.9	305.3	300.1	298.8
57.5°	383.3	311.8	271.5	275.4	272.8
60°	327.4	267.6	241.7	246.9	245.6
62.5°	272.8	227.4	214.4	224.8	222.2
65°	223.5	192.3	192.3	200.1	197.5
67.5°	180.6	163.7	171.5	179.3	176.7
70°	144.2	137.7	153.3	159.8	157.2
72.5°	111.7	115.6	135.1	142.9	139.0
75°	85.7	97.4	122.1	128.6	124.7
77.5°	61.1	81.9	110.4	115.6	111.7
80°	42.9	68.9	100.0	105.2	101.3
82.5°	27.3	58.5	90.9	96.1	93.5
85°	15.6	49.4	83.2	88.3	85.7
87.5°	7.8	42.9	75.4	81.9	79.3
90°	0.0	36.4	70.2	76.7	74.1
92.5°	0.0	32.5	65.0	71.5	68.9
95°	0.0	28.6	59.8	66.3	65.0
97.5°	0.0	26.0	55.9	62.4	59.8
100°	0.0	22.1	50.7	57.2	55.9
102.5°	0.0	20.8	46.8	53.3	52.0
105°	0.0	18.2	42.9	49.4	49.4
107.5°	0.0	16.9	40.3	46.8	45.5
110°	0.0	14.3	36.4	42.9	42.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.0	33.8	40.3	39.0
115°	0.0	11.7	31.2	37.7	36.4
117.5°	0.0	11.7	28.6	33.8	33.8
120°	0.0	10.4	26.0	31.2	31.2
122.5°	0.0	9.1	23.4	28.6	28.6
125°	0.0	7.8	20.8	26.0	26.0
127.5°	0.0	7.8	19.5	24.7	24.7
130°	0.0	6.5	16.9	22.1	22.1
132.5°	0.0	5.2	15.6	19.5	19.5
135°	0.0	5.2	14.3	18.2	18.2
137.5°	0.0	3.9	11.7	15.6	15.6
140°	0.0	3.9	10.4	14.3	14.3
142.5°	0.0	2.6	9.1	13.0	11.7
145°	0.0	2.6	7.8	10.4	10.4
147.5°	0.0	1.3	6.5	9.1	9.1
150°	0.0	1.3	5.2	7.8	6.5
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)