

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: P218169

Luminaire Tested: **2SNLED-LD5-26SL-LN-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218169
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2673.0 lumens
Efficiency: N/A
Efficacy: 133.0 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

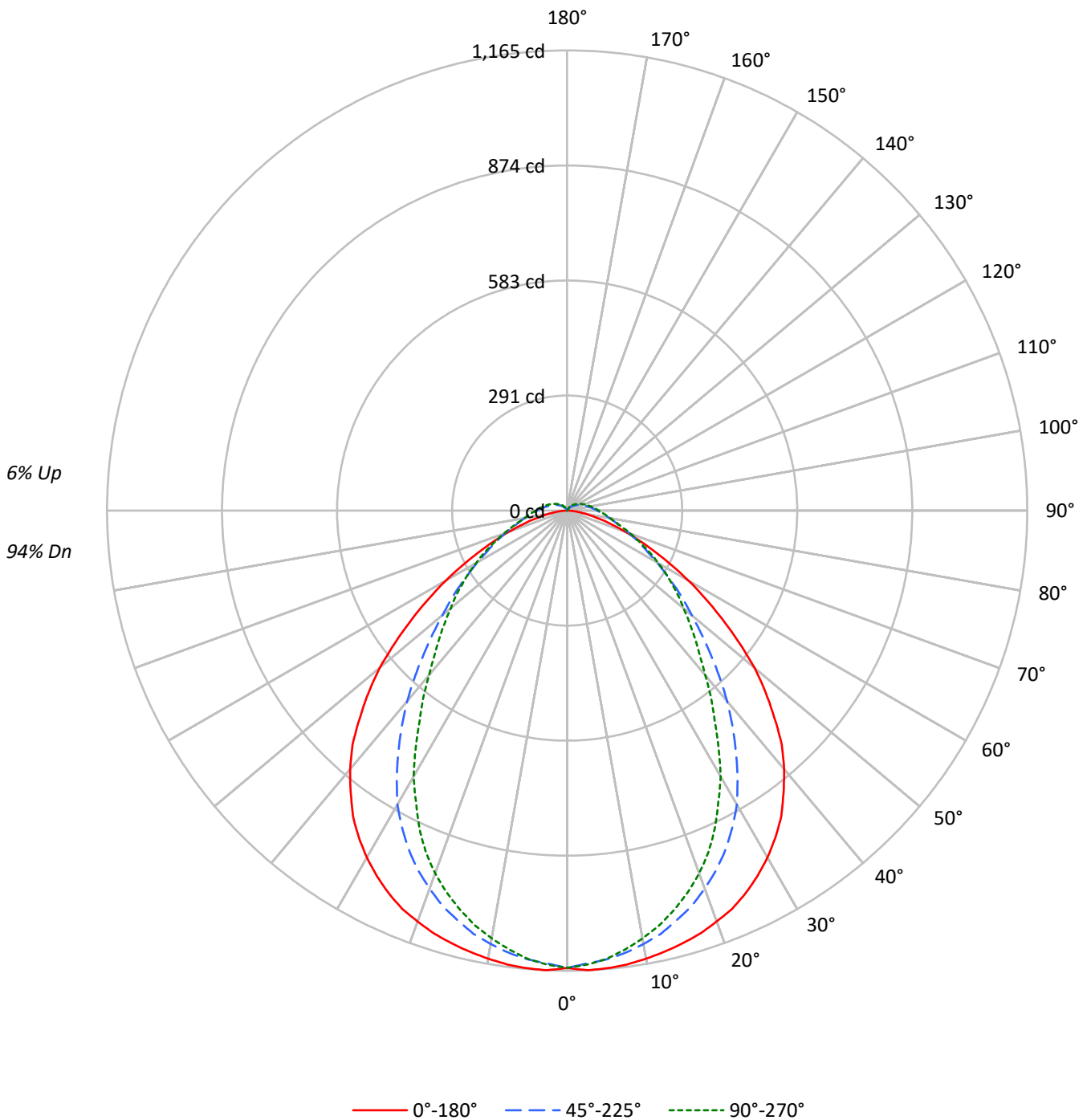
Input Watts (W): 20.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	37306	37306	37306
5°	37357	34584	33892
10°	37152	32116	30598
15°	36997	29705	27534
20°	36842	27305	24576
25°	36584	24831	21481
30°	35998	22165	18340
35°	35125	19076	15087
40°	33607	16120	12435
45°	31220	13228	10430
50°	28253	10777	8796
55°	24106	8878	7495
60°	19985	7254	6280
65°	15664	6013	5192
70°	11979	5044	4285
75°	8819	4272	3558
80°	5857	3764	3055
85°	3197	3415	2764



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.8	4.1
10°-20°	305.4	11.4
20°-30°	442.3	16.5
30°-40°	481.4	18.0
40°-50°	427.5	16.0
50°-60°	325.4	12.2
60°-70°	216.1	8.1
70°-80°	131.6	4.9
80°-90°	81.6	3.1
90°-100°	55.7	2.1
100°-110°	39.1	1.5
110°-120°	26.6	1.0
120°-130°	16.9	0.6
130°-140°	9.6	0.4
140°-150°	4.5	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	856.6	32.0
0°-40°	1338.0	50.1
0°-60°	2090.9	78.2
0°-90°	2520.2	94.3
90°-120°	121.5	4.5
90°-150°	152.5	5.7
90°-180°	153.0	5.7
0°-180°	2673.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1158	1158	1158	1158	1158	
5°	1163	1156	1141	1146	1139	111
15°	1134	1114	1073	1060	1046	320
25°	1069	1021	948	910	886	492
35°	945	860	745	680	652	589
45°	742	631	513	469	458	572
55°	480	390	331	325	324	431
65°	242	208	208	217	214	244
75°	93	106	132	139	135	100
85°	17	54	90	96	93	20
90°	0	39	76	83	80	1
95°	0	31	65	72	70	0
105°	0	20	46	54	54	0
115°	0	13	34	41	39	0
125°	0	8	22	28	28	0
135°	0	6	16	20	20	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°	1157.6	1157.6	1157.6	1157.6	1157.6
2.5°	1164.7	1159.0	1147.8	1154.8	1150.6
5°	1163.2	1156.2	1140.7	1146.3	1139.3
7.5°	1159.0	1150.6	1129.4	1132.3	1121.0
10°	1152.0	1140.7	1114.0	1111.1	1099.9
12.5°	1143.5	1129.4	1097.1	1087.2	1075.9
15°	1133.7	1114.0	1073.1	1060.4	1046.4
17.5°	1122.4	1095.6	1049.2	1029.5	1014.0
20°	1106.9	1074.5	1018.2	994.3	977.4
22.5°	1091.4	1049.2	985.8	953.4	935.1
25°	1068.9	1021.0	947.8	909.8	885.8
27.5°	1043.5	988.6	905.5	856.2	829.5
30°	1014.0	950.6	859.1	801.3	777.4
32.5°	981.6	908.3	802.7	740.8	714.0
35°	945.0	860.5	745.0	680.2	652.0
37.5°	899.9	808.4	687.2	621.1	598.5
40°	854.8	753.4	629.5	567.5	543.6
42.5°	804.1	692.9	570.4	514.0	497.1
45°	742.2	630.9	512.6	469.0	457.7
47.5°	681.6	567.5	460.5	429.5	419.7
50°	619.6	505.6	411.2	391.5	384.5
52.5°	547.8	445.0	370.4	357.7	354.9
55°	480.2	390.1	330.9	325.3	323.9
57.5°	415.4	338.0	294.3	298.6	295.7
60°	354.9	290.1	261.9	267.6	266.2
62.5°	295.7	246.5	232.4	243.6	240.8
65°	242.2	208.4	208.4	216.9	214.1
67.5°	195.8	177.4	185.9	194.3	191.5
70°	156.3	149.3	166.2	173.2	170.4
72.5°	121.1	125.3	146.5	154.9	150.7
75°	92.9	105.6	132.4	139.4	135.2
77.5°	66.2	88.7	119.7	125.3	121.1
80°	46.5	74.6	108.4	114.1	109.8
82.5°	29.6	63.4	98.6	104.2	101.4
85°	16.9	53.5	90.1	95.8	92.9
87.5°	8.4	46.5	81.7	88.7	85.9
90°	0.0	39.4	76.0	83.1	80.3
92.5°	0.0	35.2	70.4	77.5	74.6
95°	0.0	31.0	64.8	71.8	70.4
97.5°	0.0	28.2	60.6	67.6	64.8
100°	0.0	23.9	54.9	62.0	60.6
102.5°	0.0	22.5	50.7	57.7	56.3
105°	0.0	19.7	46.5	53.5	53.5
107.5°	0.0	18.3	43.7	50.7	49.3
110°	0.0	15.5	39.4	46.5	46.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.1	36.6	43.7	42.2
115°	0.0	12.7	33.8	40.8	39.4
117.5°	0.0	12.7	31.0	36.6	36.6
120°	0.0	11.3	28.2	33.8	33.8
122.5°	0.0	9.9	25.3	31.0	31.0
125°	0.0	8.4	22.5	28.2	28.2
127.5°	0.0	8.4	21.1	26.8	26.8
130°	0.0	7.0	18.3	23.9	23.9
132.5°	0.0	5.6	16.9	21.1	21.1
135°	0.0	5.6	15.5	19.7	19.7
137.5°	0.0	4.2	12.7	16.9	16.9
140°	0.0	4.2	11.3	15.5	15.5
142.5°	0.0	2.8	9.9	14.1	12.7
145°	0.0	2.8	8.4	11.3	11.3
147.5°	0.0	1.4	7.0	9.9	9.9
150°	0.0	1.4	5.6	8.4	7.0
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)