

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: P218189

Luminaire Tested: **4SNLED-LD5-30SL-LN-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218189  
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-LD5-30SL-LN-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3168.0 lumens  
Efficiency: N/A  
Efficacy: 143.3 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

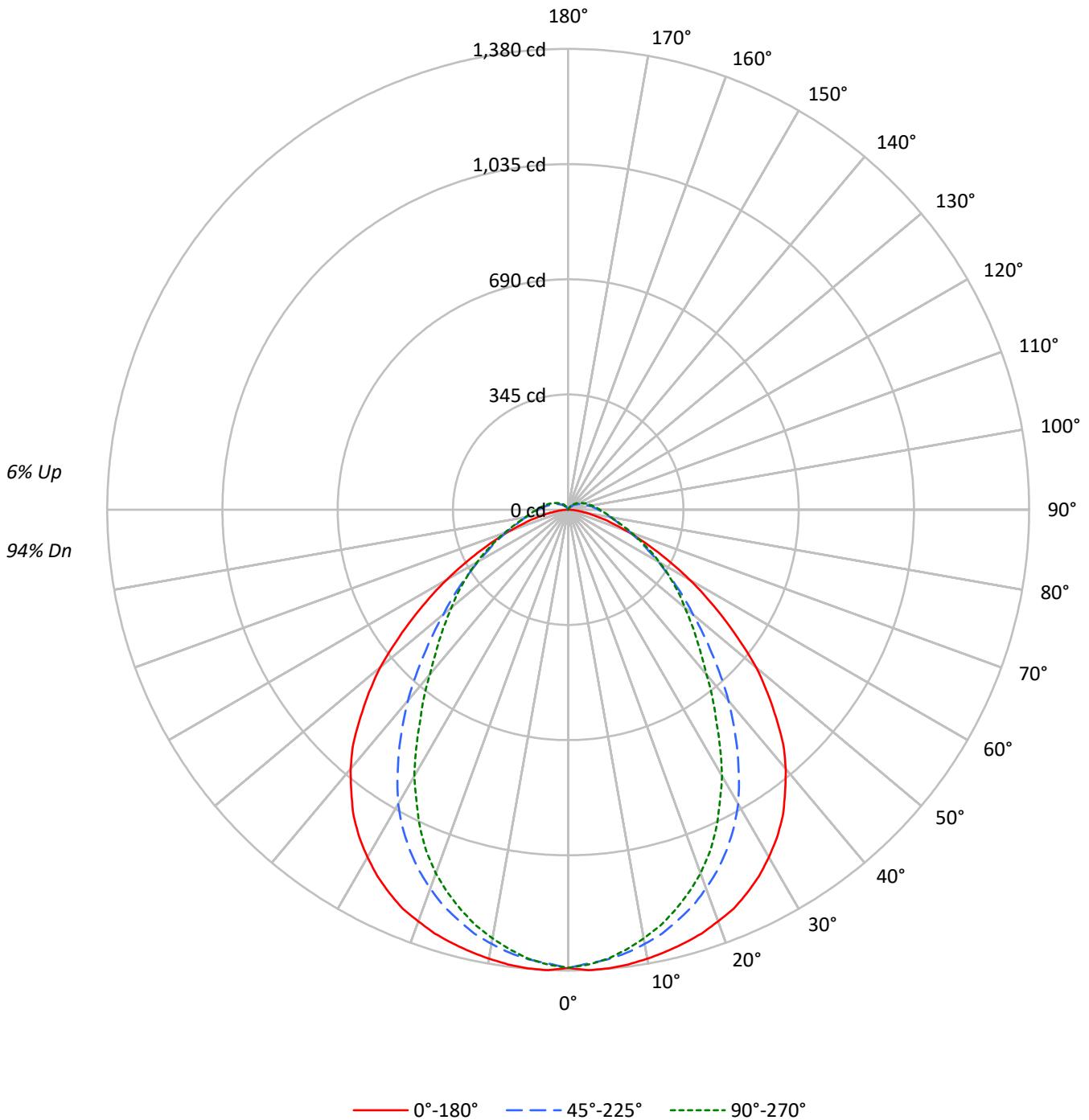
Input Watts (W): 22.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	22108	22108	22108
5°	22220	20545	20084
10°	22176	19118	18133
15°	22166	17719	16316
20°	22159	16317	14562
25°	22093	14865	12730
30°	21833	13291	10868
35°	21406	11458	8941
40°	20589	9699	7369
45°	19241	7972	6181
50°	17538	6506	5212
55°	15091	5369	4442
60°	12641	4395	3722
65°	10047	3651	3076
70°	7832	3069	2540
75°	5936	2605	2108
80°	4134	2303	1811
85°	2503	2096	1639



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.0	4.1
10°-20°	362.0	11.4
20°-30°	524.2	16.5
30°-40°	570.5	18.0
40°-50°	506.7	16.0
50°-60°	385.7	12.2
60°-70°	256.1	8.1
70°-80°	156.0	4.9
80°-90°	96.7	3.1
90°-100°	66.0	2.1
100°-110°	46.3	1.5
110°-120°	31.6	1.0
120°-130°	20.0	0.6
130°-140°	11.4	0.4
140°-150°	5.3	0.2
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1015.2	32.0
0°-40°	1585.7	50.1
0°-60°	2478.1	78.2
0°-90°	2986.9	94.3
90°-120°	144.0	4.5
90°-150°	180.7	5.7
90°-180°	181.0	5.7
0°-180°	3168.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1372	1372	1372	1372	1372	
5°	1379	1370	1352	1359	1350	131
15°	1344	1320	1272	1257	1240	380
25°	1267	1210	1123	1078	1050	583
35°	1120	1020	883	806	773	698
45°	880	748	608	556	542	677
55°	569	462	392	386	384	511
65°	287	247	247	257	254	289
75°	110	125	157	165	160	119
85°	20	63	107	114	110	24
90°	0	47	90	98	95	1
95°	0	37	77	85	84	0
105°	0	23	55	63	63	0
115°	0	15	40	48	47	0
125°	0	10	27	33	33	0
135°	0	7	18	23	23	0
145°	0	3	10	13	13	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°	1372.0	1372.0	1372.0	1372.0	1372.0
2.5°	1380.3	1373.7	1360.3	1368.6	1363.6
5°	1378.7	1370.3	1352.0	1358.6	1350.3
7.5°	1373.7	1363.6	1338.6	1341.9	1328.6
10°	1365.3	1352.0	1320.2	1316.9	1303.6
12.5°	1355.3	1338.6	1300.2	1288.5	1275.2
15°	1343.6	1320.2	1271.8	1256.8	1240.1
17.5°	1330.3	1298.5	1243.5	1220.1	1201.7
20°	1311.9	1273.5	1206.7	1178.4	1158.3
22.5°	1293.5	1243.5	1168.4	1130.0	1108.3
25°	1266.8	1210.1	1123.3	1078.2	1049.9
27.5°	1236.8	1171.7	1073.2	1014.8	983.1
30°	1201.7	1126.6	1018.1	949.7	921.3
32.5°	1163.3	1076.6	951.4	877.9	846.2
35°	1120.0	1019.8	882.9	806.2	772.8
37.5°	1066.5	958.1	814.5	736.1	709.4
40°	1013.1	893.0	746.1	672.6	644.3
42.5°	953.0	821.2	676.0	609.2	589.2
45°	879.6	747.7	607.5	555.8	542.5
47.5°	807.8	672.6	545.8	509.1	497.4
50°	734.4	599.2	487.4	464.0	455.7
52.5°	649.3	527.4	439.0	423.9	420.6
55°	569.2	462.3	392.2	385.6	383.9
57.5°	492.4	400.6	348.8	353.8	350.5
60°	420.6	343.8	310.4	317.1	315.5
62.5°	350.5	292.1	275.4	288.8	285.4
65°	287.1	247.0	247.0	257.0	253.7
67.5°	232.0	210.3	220.3	230.3	227.0
70°	185.3	176.9	197.0	205.3	202.0
72.5°	143.5	148.5	173.6	183.6	178.6
75°	110.2	125.2	156.9	165.2	160.2
77.5°	78.4	105.2	141.9	148.5	143.5
80°	55.1	88.5	128.5	135.2	130.2
82.5°	35.1	75.1	116.8	123.5	120.2
85°	20.0	63.4	106.8	113.5	110.2
87.5°	10.0	55.1	96.8	105.2	101.8
90°	0.0	46.7	90.1	98.5	95.1
92.5°	0.0	41.7	83.5	91.8	88.5
95°	0.0	36.7	76.8	85.1	83.5
97.5°	0.0	33.4	71.8	80.1	76.8
100°	0.0	28.4	65.1	73.4	71.8
102.5°	0.0	26.7	60.1	68.4	66.8
105°	0.0	23.4	55.1	63.4	63.4
107.5°	0.0	21.7	51.7	60.1	58.4
110°	0.0	18.4	46.7	55.1	55.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	16.7	43.4	51.7	50.1
115°	0.0	15.0	40.1	48.4	46.7
117.5°	0.0	15.0	36.7	43.4	43.4
120°	0.0	13.4	33.4	40.1	40.1
122.5°	0.0	11.7	30.0	36.7	36.7
125°	0.0	10.0	26.7	33.4	33.4
127.5°	0.0	10.0	25.0	31.7	31.7
130°	0.0	8.3	21.7	28.4	28.4
132.5°	0.0	6.7	20.0	25.0	25.0
135°	0.0	6.7	18.4	23.4	23.4
137.5°	0.0	5.0	15.0	20.0	20.0
140°	0.0	5.0	13.4	18.4	18.4
142.5°	0.0	3.3	11.7	16.7	15.0
145°	0.0	3.3	10.0	13.4	13.4
147.5°	0.0	1.7	8.3	11.7	11.7
150°	0.0	1.7	6.7	10.0	8.3
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)