

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: P218052

Luminaire Tested: **2SNLED-LD5-34HL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218052  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNLED-LD5-34HL-LC-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3442.0 lumens  
Efficiency: N/A  
Efficacy: 132.9 lumens/watt  
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')  
CIE Type: Direct

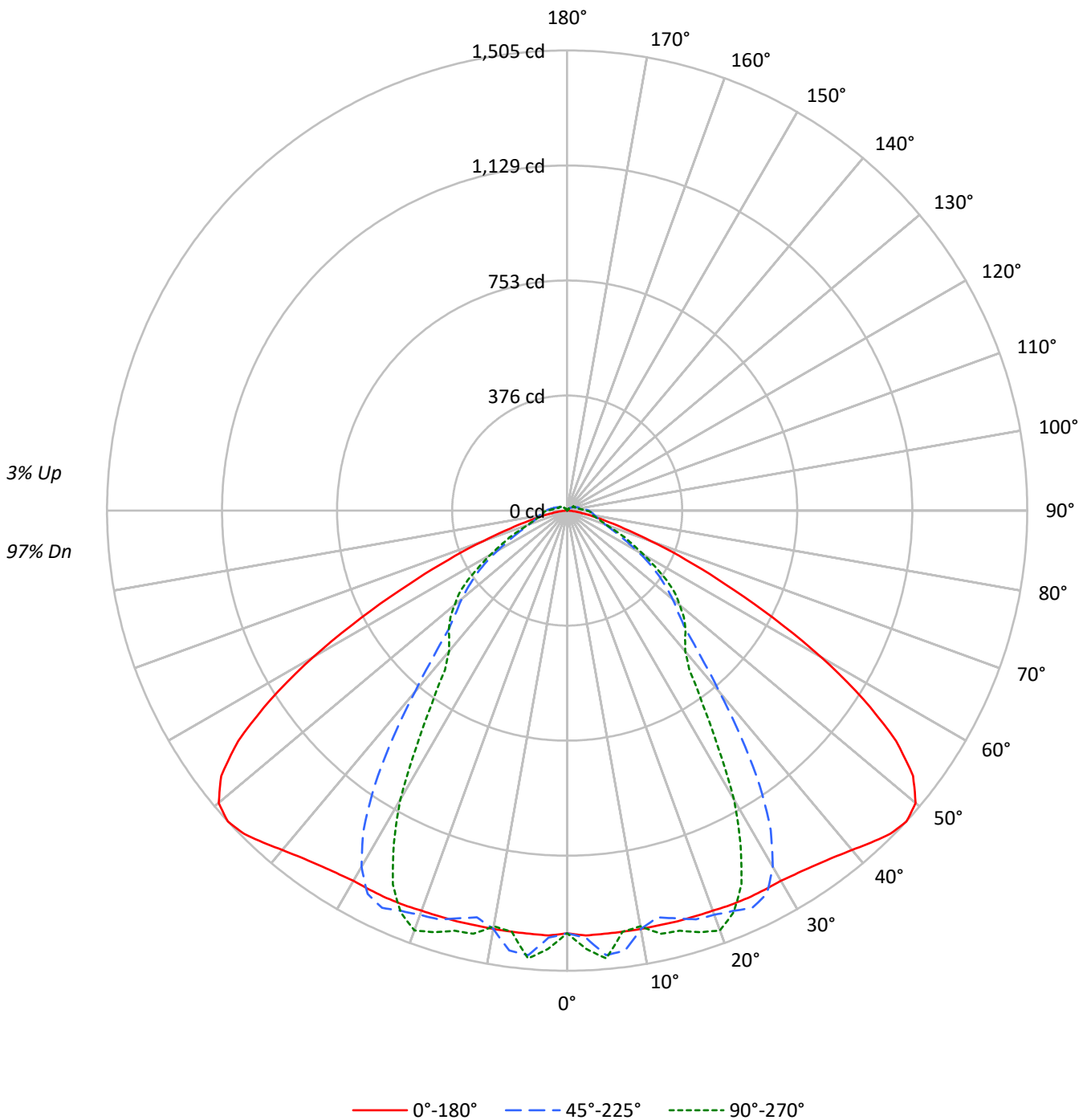
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97	
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	65	60	56	54	
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	59	54	50	48	
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	54	49	45	43	
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	50	44	40	38	
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	46	40	36	34	
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	43	37	33	31	
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	40	34	30	28	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	44545	44545	44545
5°	44615	44252	43735
10°	44801	40050	38402
15°	45394	38211	37436
20°	46355	37727	36745
25°	47848	37548	32707
30°	49631	34707	25753
35°	52617	28133	17845
40°	56972	19838	13734
45°	62877	14085	12479
50°	67842	11812	10996
55°	65938	9683	9168
60°	54131	7315	6853
65°	36897	5283	5039
70°	22533	4009	3452
75°	12370	3407	2734
80°	6650	3181	2351
85°	2668	3070	2356



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.9	3.9
10°-20°	400.1	11.6
20°-30°	635.8	18.5
30°-40°	685.6	19.9
40°-50°	590.9	17.2
50°-60°	447.3	13.0
60°-70°	241.7	7.0
70°-80°	114.8	3.3
80°-90°	72.1	2.1
90°-100°	45.9	1.3
100°-110°	29.3	0.9
110°-120°	19.6	0.6
120°-130°	13.0	0.4
130°-140°	6.3	0.2
140°-150°	2.7	0.1
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1171.8	34.0
0°-40°	1857.4	54.0
0°-60°	2895.6	84.1
0°-90°	3324.1	96.6
90°-120°	94.9	2.8
90°-150°	116.9	3.4
90°-180°	118.0	3.4
0°-180°	3442.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1382	1382	1382	1382	1382	
5°	1389	1419	1460	1479	1470	133
15°	1391	1428	1380	1428	1423	394
25°	1398	1372	1433	1394	1349	647
35°	1416	1363	1099	840	771	892
45°	1495	937	546	540	548	1151
55°	1314	405	361	394	396	1142
65°	570	172	183	206	208	586
75°	130	90	106	106	104	153
85°	14	55	81	81	79	20
90°	0	42	70	69	63	1
95°	0	34	56	51	48	0
105°	0	21	39	35	32	0
115°	0	12	26	26	26	0
125°	0	7	18	23	21	0
135°	0	4	11	12	12	0
145°	0	2	5	7	5	0
155°	0	2	2	4	2	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°	1382.2	1382.2	1382.2	1382.2	1382.2
2.5°	1391.0	1392.7	1398.0	1424.4	1435.0
5°	1389.2	1419.1	1459.6	1479.0	1470.2
7.5°	1389.2	1450.8	1450.8	1413.8	1389.2
10°	1389.2	1468.4	1389.2	1382.2	1380.4
12.5°	1389.2	1457.9	1362.8	1412.1	1417.4
15°	1391.0	1427.9	1380.4	1427.9	1422.7
17.5°	1391.0	1392.7	1401.5	1438.5	1445.5
20°	1392.7	1369.8	1406.8	1466.7	1461.4
22.5°	1396.2	1366.3	1417.4	1454.3	1422.7
25°	1398.0	1371.6	1433.2	1394.5	1348.7
27.5°	1398.0	1378.6	1413.8	1302.9	1227.2
30°	1398.0	1382.2	1345.2	1176.2	1091.6
32.5°	1405.0	1378.6	1239.5	1010.6	919.1
35°	1415.6	1362.8	1098.7	839.9	771.2
37.5°	1429.7	1320.5	933.2	702.5	656.7
40°	1449.1	1229.0	774.7	614.5	600.4
42.5°	1472.0	1095.2	644.4	570.5	570.5
45°	1494.8	936.7	545.8	540.5	547.6
47.5°	1505.4	781.8	491.2	510.6	517.6
50°	1487.8	637.4	450.7	477.2	480.7
52.5°	1426.2	508.8	405.0	436.7	445.5
55°	1313.5	405.0	360.9	394.4	396.2
57.5°	1149.7	322.2	315.2	341.6	339.8
60°	961.3	260.6	264.1	290.5	290.5
62.5°	758.9	211.3	221.8	244.7	243.0
65°	570.5	172.5	183.1	206.0	207.8
67.5°	420.8	142.6	154.9	170.8	167.3
70°	294.0	119.7	132.1	140.9	137.3
72.5°	195.4	102.1	116.2	119.7	118.0
75°	130.3	89.8	105.6	105.6	103.9
77.5°	84.5	79.2	98.6	96.8	93.3
80°	52.8	70.4	91.6	88.0	84.5
82.5°	31.7	61.6	86.3	82.8	79.2
85°	14.1	54.6	81.0	81.0	79.2
87.5°	5.3	49.3	75.7	77.5	73.9
90°	0.0	42.3	70.4	68.7	63.4
92.5°	0.0	38.7	63.4	58.1	54.6
95°	0.0	33.5	56.3	51.1	47.5
97.5°	0.0	29.9	51.1	45.8	42.3
100°	0.0	26.4	45.8	40.5	37.0
102.5°	0.0	22.9	42.3	37.0	35.2
105°	0.0	21.1	38.7	35.2	31.7
107.5°	0.0	19.4	35.2	31.7	29.9
110°	0.0	15.8	31.7	29.9	28.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.1	28.2	28.2	28.2
115°	0.0	12.3	26.4	26.4	26.4
117.5°	0.0	10.6	22.9	26.4	26.4
120°	0.0	10.6	21.1	24.6	24.6
122.5°	0.0	8.8	19.4	24.6	24.6
125°	0.0	7.0	17.6	22.9	21.1
127.5°	0.0	5.3	15.8	19.4	19.4
130°	0.0	5.3	14.1	17.6	15.8
132.5°	0.0	3.5	12.3	14.1	14.1
135°	0.0	3.5	10.6	12.3	12.3
137.5°	0.0	3.5	8.8	10.6	8.8
140°	0.0	1.8	7.0	8.8	7.0
142.5°	0.0	1.8	7.0	8.8	7.0
145°	0.0	1.8	5.3	7.0	5.3
147.5°	0.0	1.8	3.5	5.3	5.3
150°	0.0	1.8	3.5	5.3	3.5
152.5°	0.0	1.8	3.5	3.5	1.8
155°	0.0	1.8	1.8	3.5	1.8
157.5°	0.0	1.8	1.8	1.8	1.8
160°	1.8	1.8	1.8	1.8	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)