

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: P218192

Luminaire Tested: **4SNLED-LD5-34SL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218192  
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-LD5-34SL-LN-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3463.0 lumens  
Efficiency: N/A  
Efficacy: 139.1 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

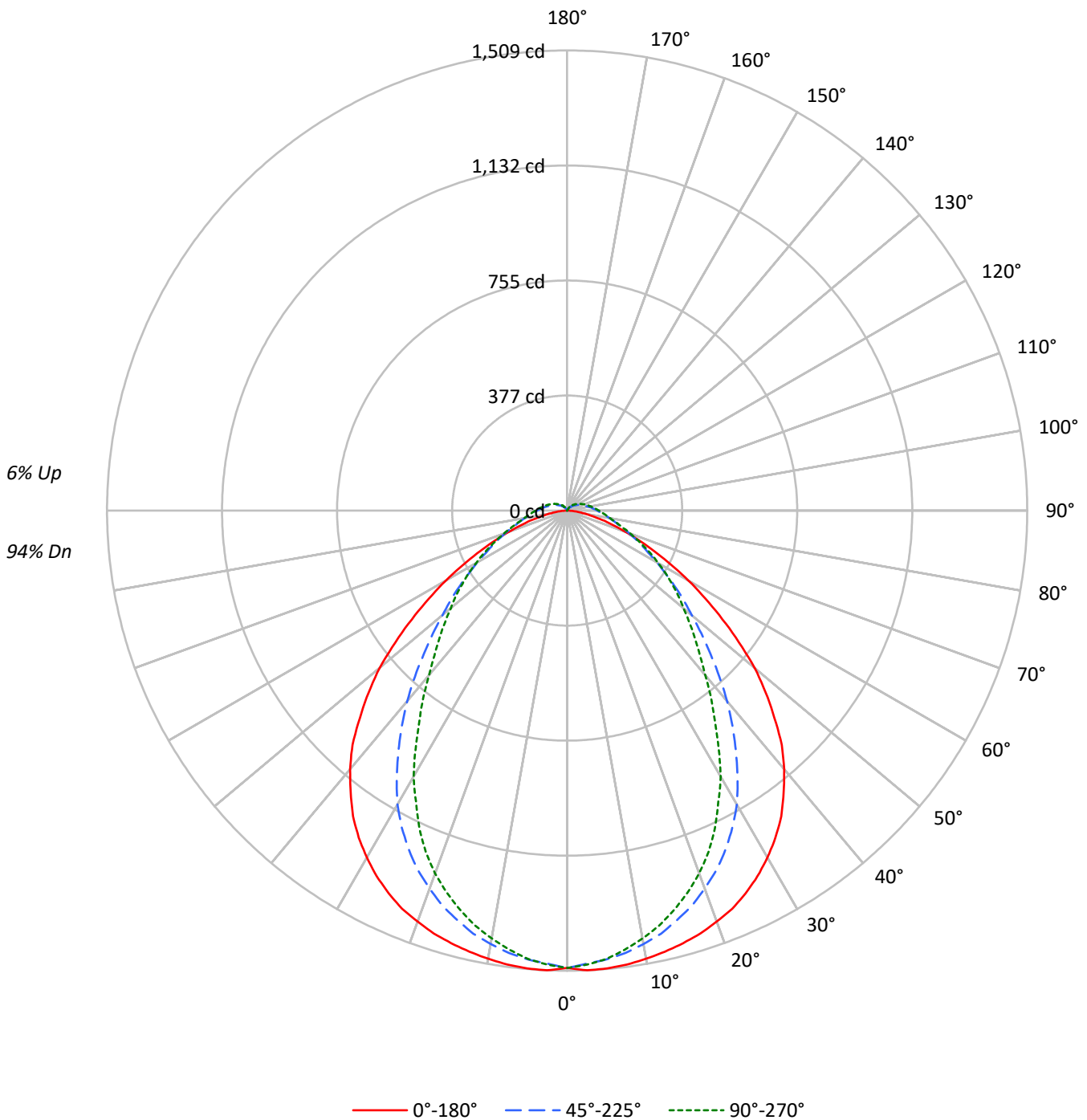
Input Watts (W): 24.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	24166	24166	24166
5°	24287	22456	21954
10°	24241	20899	19820
15°	24230	19370	17835
20°	24224	17837	15919
25°	24151	16250	13915
30°	23866	14528	11880
35°	23397	12526	9773
40°	22508	10603	8055
45°	21033	8714	6757
50°	19171	7113	5697
55°	16496	5871	4855
60°	13819	4806	4067
65°	10981	3991	3362
70°	8559	3354	2776
75°	6485	2848	2305
80°	4517	2518	1979
85°	2741	2292	1791



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.0	4.1
10°-20°	395.7	11.4
20°-30°	573.0	16.5
30°-40°	623.7	18.0
40°-50°	553.9	16.0
50°-60°	421.6	12.2
60°-70°	279.9	8.1
70°-80°	170.6	4.9
80°-90°	105.7	3.1
90°-100°	72.2	2.1
100°-110°	50.7	1.5
110°-120°	34.5	1.0
120°-130°	21.9	0.6
130°-140°	12.4	0.4
140°-150°	5.8	0.2
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1109.7	32.0
0°-40°	1733.4	50.1
0°-60°	2708.9	78.2
0°-90°	3265.1	94.3
90°-120°	157.3	4.5
90°-150°	197.5	5.7
90°-180°	198.0	5.7
0°-180°	3463.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1500	1500	1500	1500	1500	
5°	1507	1498	1478	1485	1476	143
15°	1469	1443	1390	1374	1356	415
25°	1385	1323	1228	1179	1148	638
35°	1224	1115	965	881	845	763
45°	962	817	664	608	593	740
55°	622	505	429	422	420	558
65°	314	270	270	281	277	316
75°	120	137	172	181	175	130
85°	22	69	117	124	120	26
90°	0	51	98	108	104	1
95°	0	40	84	93	91	0
105°	0	26	60	69	69	0
115°	0	16	44	53	51	0
125°	0	11	29	36	36	0
135°	0	7	20	26	26	0
145°	0	4	11	15	15	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°	1499.7	1499.7	1499.7	1499.7	1499.7
2.5°	1508.9	1501.6	1487.0	1496.1	1490.6
5°	1507.0	1497.9	1477.8	1485.1	1476.0
7.5°	1501.6	1490.6	1463.3	1466.9	1452.3
10°	1492.4	1477.8	1443.2	1439.5	1424.9
12.5°	1481.5	1463.3	1421.3	1408.5	1393.9
15°	1468.7	1443.2	1390.3	1373.9	1355.6
17.5°	1454.1	1419.5	1359.3	1333.7	1313.6
20°	1434.1	1392.1	1319.1	1288.1	1266.2
22.5°	1414.0	1359.3	1277.2	1235.2	1211.5
25°	1384.8	1322.8	1227.9	1178.6	1147.6
27.5°	1352.0	1280.8	1173.2	1109.3	1074.6
30°	1313.6	1231.5	1112.9	1038.1	1007.1
32.5°	1271.7	1176.8	1040.0	959.7	925.0
35°	1224.2	1114.8	965.2	881.2	844.7
37.5°	1165.9	1047.3	890.4	804.6	775.4
40°	1107.5	976.1	815.6	735.3	704.3
42.5°	1041.8	897.7	738.9	665.9	644.0
45°	961.5	817.4	664.1	607.6	593.0
47.5°	883.1	735.3	596.6	556.5	543.7
50°	802.8	655.0	532.8	507.2	498.1
52.5°	709.7	576.5	479.8	463.4	459.8
55°	622.2	505.4	428.8	421.5	419.6
57.5°	538.2	437.9	381.3	386.8	383.1
60°	459.8	375.8	339.4	346.7	344.8
62.5°	383.1	319.3	301.0	315.6	312.0
65°	313.8	270.0	270.0	281.0	277.3
67.5°	253.6	229.9	240.8	251.8	248.1
70°	202.5	193.4	215.3	224.4	220.8
72.5°	156.9	162.4	189.7	200.7	195.2
75°	120.4	136.8	171.5	180.6	175.2
77.5°	85.8	114.9	155.1	162.4	156.9
80°	60.2	96.7	140.5	147.8	142.3
82.5°	38.3	82.1	127.7	135.0	131.4
85°	21.9	69.3	116.8	124.1	120.4
87.5°	10.9	60.2	105.8	114.9	111.3
90°	0.0	51.1	98.5	107.6	104.0
92.5°	0.0	45.6	91.2	100.3	96.7
95°	0.0	40.1	83.9	93.0	91.2
97.5°	0.0	36.5	78.5	87.6	83.9
100°	0.0	31.0	71.2	80.3	78.5
102.5°	0.0	29.2	65.7	74.8	73.0
105°	0.0	25.5	60.2	69.3	69.3
107.5°	0.0	23.7	56.6	65.7	63.9
110°	0.0	20.1	51.1	60.2	60.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.2	47.4	56.6	54.7
115°	0.0	16.4	43.8	52.9	51.1
117.5°	0.0	16.4	40.1	47.4	47.4
120°	0.0	14.6	36.5	43.8	43.8
122.5°	0.0	12.8	32.8	40.1	40.1
125°	0.0	10.9	29.2	36.5	36.5
127.5°	0.0	10.9	27.4	34.7	34.7
130°	0.0	9.1	23.7	31.0	31.0
132.5°	0.0	7.3	21.9	27.4	27.4
135°	0.0	7.3	20.1	25.5	25.5
137.5°	0.0	5.5	16.4	21.9	21.9
140°	0.0	5.5	14.6	20.1	20.1
142.5°	0.0	3.6	12.8	18.2	16.4
145°	0.0	3.6	10.9	14.6	14.6
147.5°	0.0	1.8	9.1	12.8	12.8
150°	0.0	1.8	7.3	10.9	9.1
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)