

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: P218118

Luminaire Tested: **4SNLED-LD5-66SL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218118  
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: 4SNLED-LD5-66SL-LC-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7285.0 lumens  
Efficiency: N/A  
Efficacy: 132.7 lumens/watt  
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

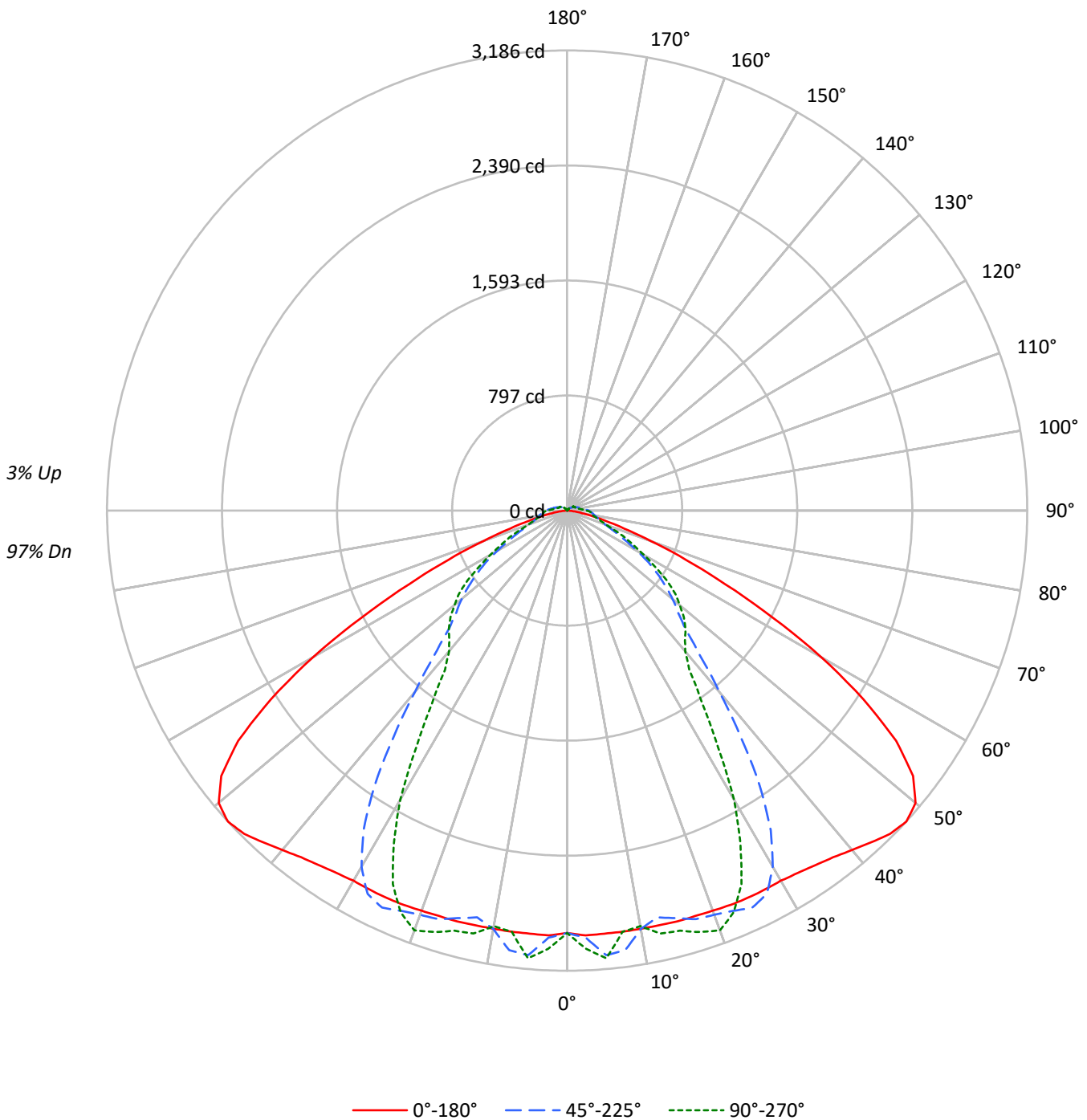
Input Watts (W): 54.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°	45°	90°
0°	47137	47137	47137
5°	47385	46945	46283
10°	47757	42578	40638
15°	48569	40704	39615
20°	49790	40263	38885
25°	51603	40143	34612
30°	53759	37167	27255
35°	57263	30178	18884
40°	62328	21316	14534
45°	69208	15159	13206
50°	75196	12735	11635
55°	73705	10458	9701
60°	61151	7916	7253
65°	42253	5729	5332
70°	26302	4355	3655
75°	14856	3713	2893
80°	8388	3473	2488
85°	3730	3364	2494



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.5	3.9
10°-20°	846.9	11.6
20°-30°	1345.7	18.5
30°-40°	1451.0	19.9
40°-50°	1250.6	17.2
50°-60°	946.8	13.0
60°-70°	511.5	7.0
70°-80°	242.9	3.3
80°-90°	152.5	2.1
90°-100°	97.1	1.3
100°-110°	62.1	0.9
110°-120°	41.6	0.6
120°-130°	27.4	0.4
130°-140°	13.4	0.2
140°-150°	5.7	0.1
150°-160°	2.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2480.1	34.0
0°-40°	3931.1	54.0
0°-60°	6128.5	84.1
0°-90°	7035.5	96.6
90°-120°	200.8	2.8
90°-150°	247.3	3.4
90°-180°	250.0	3.4
0°-180°	7285.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2925	2925	2925	2925	2925	
5°	2940	3004	3089	3130	3112	281
15°	2944	3022	2922	3022	3011	834
25°	2959	2903	3033	2951	2854	1369
35°	2996	2884	2325	1778	1632	1887
45°	3164	1982	1155	1144	1159	2435
55°	2780	857	764	835	838	2418
65°	1207	365	388	436	440	1240
75°	276	190	224	224	220	325
85°	30	116	171	171	168	43
90°	0	89	149	145	134	2
95°	0	71	119	108	101	0
105°	0	45	82	74	67	0
115°	0	26	56	56	56	0
125°	0	15	37	48	45	0
135°	0	8	22	26	26	0
145°	0	4	11	15	11	0
155°	0	4	4	8	4	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°	2925.3	2925.3	2925.3	2925.3	2925.3
2.5°	2944.0	2947.7	2958.9	3014.8	3037.1
5°	2940.2	3003.6	3089.3	3130.3	3111.7
7.5°	2940.2	3070.7	3070.7	2992.4	2940.2
10°	2940.2	3107.9	2940.2	2925.3	2921.6
12.5°	2940.2	3085.6	2884.3	2988.7	2999.9
15°	2944.0	3022.2	2921.6	3022.2	3011.0
17.5°	2944.0	2947.7	2966.3	3044.6	3059.5
20°	2947.7	2899.2	2977.5	3104.2	3093.0
22.5°	2955.1	2891.8	2999.9	3078.1	3011.0
25°	2958.9	2903.0	3033.4	2951.4	2854.5
27.5°	2958.9	2917.9	2992.4	2757.6	2597.4
30°	2958.9	2925.3	2847.1	2489.3	2310.5
32.5°	2973.8	2917.9	2623.5	2139.0	1945.3
35°	2996.1	2884.3	2325.4	1777.6	1632.2
37.5°	3025.9	2794.9	1975.1	1486.9	1390.0
40°	3066.9	2601.1	1639.7	1300.6	1270.7
42.5°	3115.4	2317.9	1363.9	1207.4	1207.4
45°	3163.8	1982.5	1155.2	1144.0	1159.0
47.5°	3186.2	1654.6	1039.7	1080.7	1095.6
50°	3148.9	1349.0	954.0	1009.9	1017.3
52.5°	3018.5	1077.0	857.1	924.2	942.8
55°	2780.0	857.1	763.9	834.7	838.5
57.5°	2433.4	682.0	667.1	722.9	719.2
60°	2034.7	551.5	559.0	614.9	614.9
62.5°	1606.1	447.2	469.5	518.0	514.3
65°	1207.4	365.2	387.6	436.0	439.7
67.5°	890.6	301.8	327.9	361.5	354.0
70°	622.3	253.4	279.5	298.1	290.7
72.5°	413.6	216.1	246.0	253.4	249.7
75°	275.8	190.1	223.6	223.6	219.9
77.5°	178.9	167.7	208.7	205.0	197.5
80°	111.8	149.1	193.8	186.3	178.9
82.5°	67.1	130.4	182.6	175.1	167.7
85°	29.8	115.5	171.4	171.4	167.7
87.5°	11.2	104.3	160.2	164.0	156.5
90°	0.0	89.4	149.1	145.3	134.2
92.5°	0.0	82.0	134.2	123.0	115.5
95°	0.0	70.8	119.2	108.1	100.6
97.5°	0.0	63.4	108.1	96.9	89.4
100°	0.0	55.9	96.9	85.7	78.3
102.5°	0.0	48.4	89.4	78.3	74.5
105°	0.0	44.7	82.0	74.5	67.1
107.5°	0.0	41.0	74.5	67.1	63.4
110°	0.0	33.5	67.1	63.4	59.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.8	59.6	59.6	59.6
115°	0.0	26.1	55.9	55.9	55.9
117.5°	0.0	22.4	48.4	55.9	55.9
120°	0.0	22.4	44.7	52.2	52.2
122.5°	0.0	18.6	41.0	52.2	52.2
125°	0.0	14.9	37.3	48.4	44.7
127.5°	0.0	11.2	33.5	41.0	41.0
130°	0.0	11.2	29.8	37.3	33.5
132.5°	0.0	7.5	26.1	29.8	29.8
135°	0.0	7.5	22.4	26.1	26.1
137.5°	0.0	7.5	18.6	22.4	18.6
140°	0.0	3.7	14.9	18.6	14.9
142.5°	0.0	3.7	14.9	18.6	14.9
145°	0.0	3.7	11.2	14.9	11.2
147.5°	0.0	3.7	7.5	11.2	11.2
150°	0.0	3.7	7.5	11.2	7.5
152.5°	0.0	3.7	7.5	7.5	3.7
155°	0.0	3.7	3.7	7.5	3.7
157.5°	0.0	3.7	3.7	3.7	3.7
160°	3.7	3.7	3.7	3.7	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)