

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: P218437

Luminaire Tested: **4SNLED-LD5-39SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218437  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-39SL-RM-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3948.0 lumens  
Efficiency: N/A  
Efficacy: 142.5 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

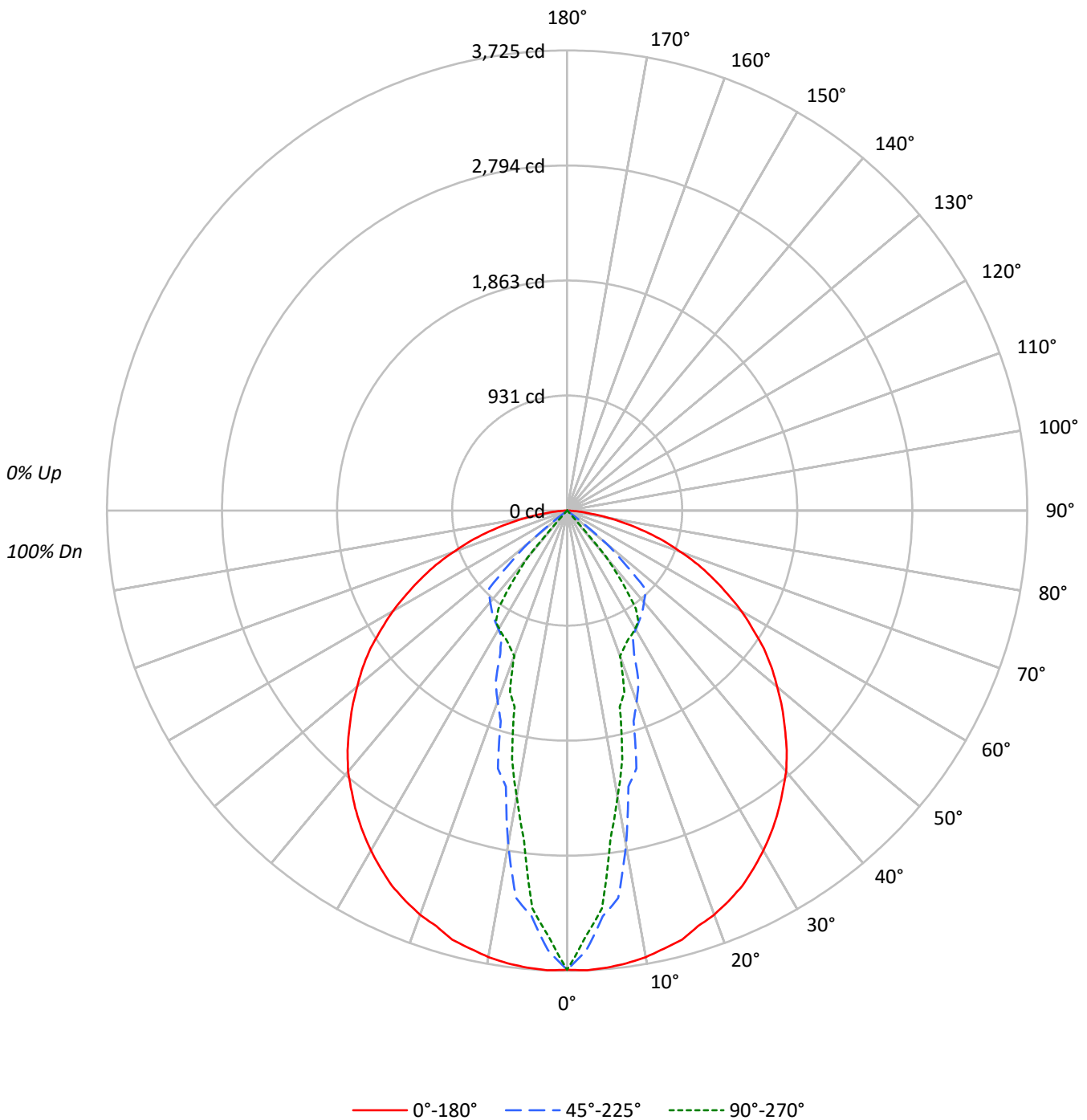
Input Watts (W): 27.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P218437

CATALOG NUMBER: 4SNLED-LD5-39SL-RM-UNV-L840-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P218437

CATALOG NUMBER: 4SNLED-LD5-39SL-RM-UNV-L840-CD1-U

**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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	93	91	89				89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79				79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70				70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62				62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56				56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51				51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46				46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43				43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39				39
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36				36

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

	0°	45°	90°
0°	59898	59898	59898
5°	59846	50107	48080
10°	59602	39737	32700
15°	59310	30121	21642
20°	58791	22217	15738
25°	58473	16970	14045
30°	57725	14498	12989
35°	56894	13521	11216
40°	56038	12577	5631
45°	54517	11693	22
50°	52997	5553	0
55°	51503	183	0
60°	48976	135	0
65°	45675	56	0
70°	41293	30	0
75°	35153	32	25
80°	25195	34	26
85°	12178	37	28



TEST NUMBER: P218437

CATALOG NUMBER: 4SNLED-LD5-39SL-RM-UNV-L840-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	306.8	7.8
10°-20°	661.3	16.8
20°-30°	788.9	20.0
30°-40°	839.5	21.3
40°-50°	613.3	15.5
50°-60°	391.7	9.9
60°-70°	235.9	6.0
70°-80°	91.9	2.3
80°-90°	18.6	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1757.0	44.5
0°-40°	2596.5	65.8
0°-60°	3601.5	91.2
0°-90°	3948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3948.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3717	3717	3717	3717	3717	
5°	3713	3532	3297	3238	3232	353
15°	3595	3066	2162	1685	1645	1013
25°	3353	2137	1282	1168	1158	1543
35°	2977	1412	1042	1042	969	1862
45°	2492	914	891	4	2	1925
55°	1943	721	13	2	0	1729
65°	1305	294	4	2	0	1292
75°	653	15	2	2	2	689
85°	97	2	2	2	2	135
90°	0	0	0	0	0	



TEST NUMBER: P218437

CATALOG NUMBER: 4SNLED-LD5-39SL-RM-UNV-L840-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3717.2	3717.2	3717.2	3717.2	3717.2
2.5°	3724.9	3700.1	3562.7	3505.4	3450.1
5°	3713.4	3532.1	3297.4	3238.3	3232.5
7.5°	3696.2	3362.3	3163.9	2824.2	2681.1
10°	3669.5	3251.6	2744.0	2457.8	2350.9
12.5°	3631.4	3087.5	2288.0	2123.9	2060.9
15°	3595.1	3066.5	2162.0	1685.0	1644.9
17.5°	3526.4	2639.1	1786.1	1583.8	1538.0
20°	3480.6	2444.4	1643.0	1373.9	1251.8
22.5°	3419.6	2330.0	1511.3	1249.9	1202.2
25°	3352.8	2137.2	1282.3	1167.8	1158.3
27.5°	3266.9	1879.6	1148.8	1137.3	1133.5
30°	3177.2	1595.3	1110.6	1106.8	1101.1
32.5°	3079.9	1482.7	1076.2	1076.2	1070.5
35°	2976.8	1412.1	1041.9	1041.9	969.4
37.5°	2866.2	1322.4	1007.5	1007.5	728.9
40°	2757.4	1133.5	967.5	671.7	492.3
42.5°	2631.5	978.9	933.1	469.4	3.8
45°	2492.2	914.0	891.1	3.8	1.9
47.5°	2360.5	868.2	606.8	1.9	0.0
50°	2219.3	818.6	416.0	1.9	0.0
52.5°	2085.7	772.8	19.1	1.9	0.0
55°	1942.6	721.3	13.4	1.9	0.0
57.5°	1780.4	671.7	11.4	1.9	0.0
60°	1629.6	618.3	9.5	1.9	0.0
62.5°	1463.6	524.8	5.7	1.9	0.0
65°	1305.2	293.9	3.8	1.9	0.0
67.5°	1148.8	47.7	3.8	1.9	0.0
70°	977.0	32.4	1.9	1.9	0.0
72.5°	818.6	24.8	1.9	1.9	1.9
75°	652.6	15.3	1.9	1.9	1.9
77.5°	488.5	9.5	1.9	1.9	1.9
80°	335.8	5.7	1.9	1.9	1.9
82.5°	202.3	1.9	1.9	1.9	1.9
85°	97.3	1.9	1.9	1.9	1.9
87.5°	30.5	1.9	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)