

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: P218436

Luminaire Tested: **4SNLED-LD5-39SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218436  
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-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3870.1 lumens  
Efficiency: N/A  
Efficacy: 139.7 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

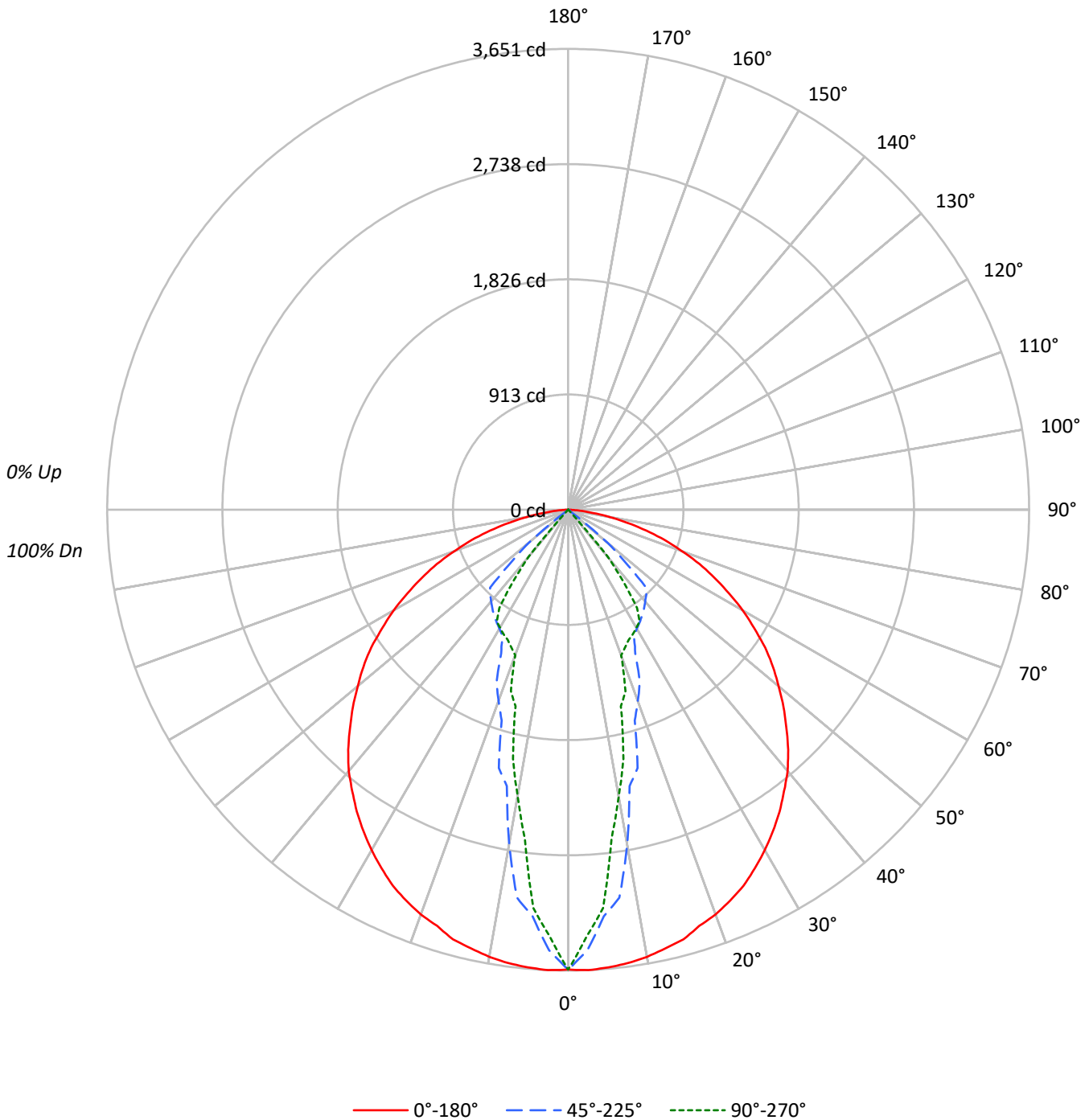
Input Watts (W): 27.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	92	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°	58715	58715	58715
5°	58665	49118	47131
10°	58425	38952	32055
15°	58139	29526	21214
20°	57631	21778	15427
25°	57316	16635	13767
30°	56584	14212	12731
35°	55770	13254	10994
40°	54931	12329	5520
45°	53438	11462	22
50°	51949	5444	0
55°	50485	179	0
60°	48008	133	0
65°	44773	55	0
70°	40477	30	0
75°	34458	32	25
80°	24700	34	26
85°	11940	37	28



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	300.7	7.8
10°-20°	648.3	16.8
20°-30°	773.4	20.0
30°-40°	822.9	21.3
40°-50°	601.2	15.5
50°-60°	384.0	9.9
60°-70°	231.2	6.0
70°-80°	90.1	2.3
80°-90°	18.3	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°	1722.3	44.5
0°-40°	2545.2	65.8
0°-60°	3530.4	91.2
0°-90°	3870.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3870.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3644	3644	3644	3644	3644	
5°	3640	3462	3232	3174	3169	346
15°	3524	3006	2119	1652	1612	993
25°	3286	2095	1257	1145	1135	1512
35°	2918	1384	1021	1021	950	1825
45°	2443	896	874	4	2	1887
55°	1904	707	13	2	0	1695
65°	1279	288	4	2	0	1266
75°	640	15	2	2	2	676
85°	95	2	2	2	2	133
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3643.8	3643.8	3643.8	3643.8	3643.8
2.5°	3651.3	3627.0	3492.3	3436.2	3381.9
5°	3640.1	3462.4	3232.3	3174.3	3168.7
7.5°	3623.2	3295.9	3101.3	2768.4	2628.1
10°	3597.0	3187.4	2689.8	2409.2	2304.5
12.5°	3559.6	3026.5	2242.8	2081.9	2020.2
15°	3524.1	3005.9	2119.3	1651.7	1612.4
17.5°	3456.7	2586.9	1750.8	1552.5	1507.6
20°	3411.9	2396.2	1610.5	1346.8	1227.1
22.5°	3352.0	2283.9	1481.5	1225.2	1178.4
25°	3286.5	2095.0	1257.0	1144.8	1135.4
27.5°	3202.4	1842.5	1126.1	1114.8	1111.1
30°	3114.4	1563.8	1088.7	1084.9	1079.3
32.5°	3019.0	1453.4	1055.0	1055.0	1049.4
35°	2918.0	1384.2	1021.3	1021.3	950.2
37.5°	2809.5	1296.3	987.6	987.6	714.5
40°	2702.9	1111.1	948.4	658.4	482.6
42.5°	2579.5	959.6	914.7	460.2	3.7
45°	2442.9	896.0	873.5	3.7	1.9
47.5°	2313.8	851.1	594.8	1.9	0.0
50°	2175.4	802.5	407.8	1.9	0.0
52.5°	2044.5	757.6	18.7	1.9	0.0
55°	1904.2	707.1	13.1	1.9	0.0
57.5°	1745.2	658.4	11.2	1.9	0.0
60°	1597.4	606.1	9.4	1.9	0.0
62.5°	1434.7	514.4	5.6	1.9	0.0
65°	1279.4	288.1	3.7	1.9	0.0
67.5°	1126.1	46.8	3.7	1.9	0.0
70°	957.7	31.8	1.9	1.9	0.0
72.5°	802.5	24.3	1.9	1.9	1.9
75°	639.7	15.0	1.9	1.9	1.9
77.5°	478.9	9.4	1.9	1.9	1.9
80°	329.2	5.6	1.9	1.9	1.9
82.5°	198.3	1.9	1.9	1.9	1.9
85°	95.4	1.9	1.9	1.9	1.9
87.5°	29.9	1.9	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)