

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: P218435

Luminaire Tested: **4SNLED-LD5-39SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218435  
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-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3643.1 lumens  
Efficiency: N/A  
Efficacy: 131.5 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

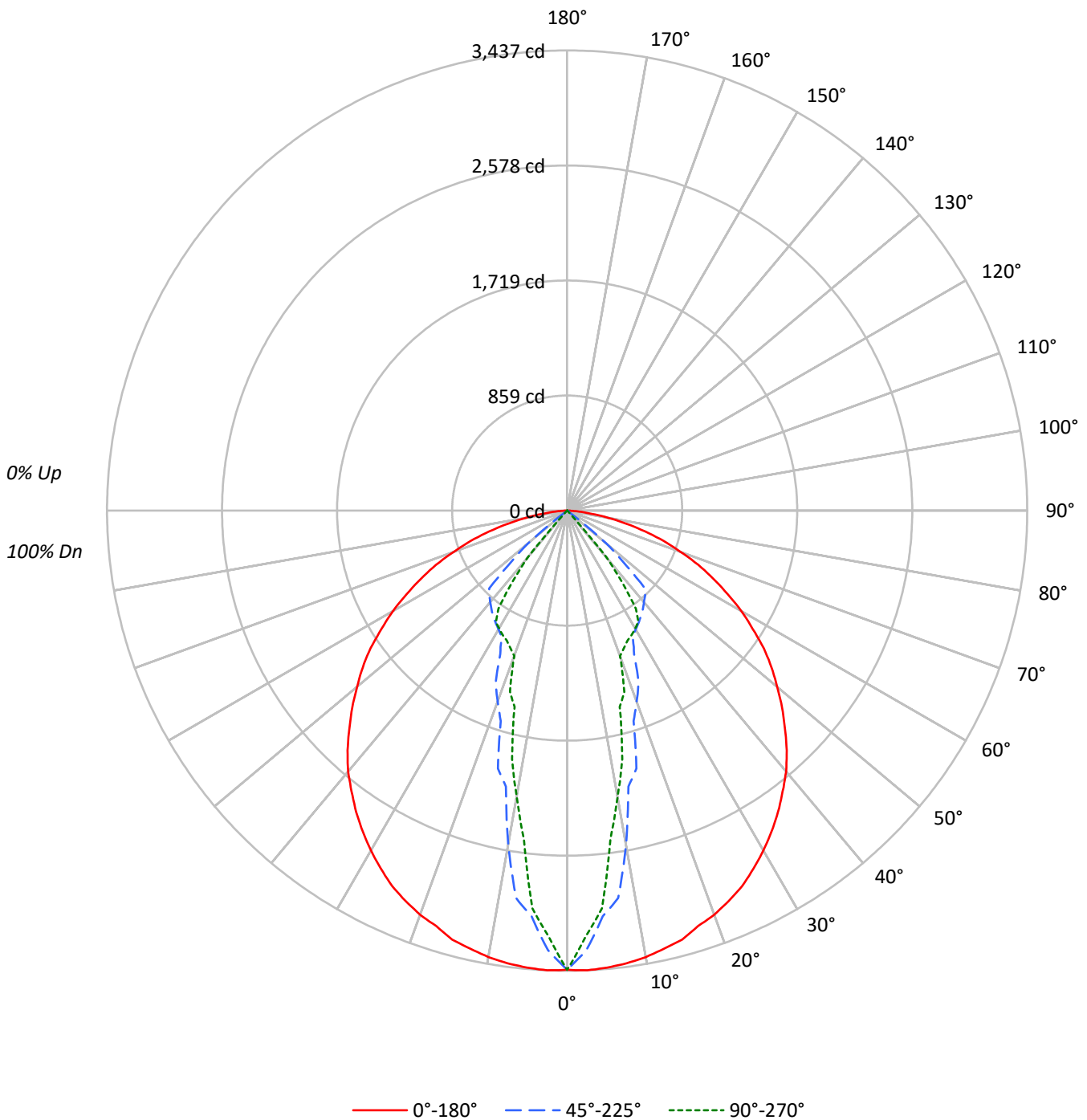
Input Watts (W): 27.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	55271	55271	55271
5°	55223	46236	44366
10°	54998	36668	30174
15°	54729	27795	19969
20°	54249	20501	14522
25°	53956	15659	12960
30°	53266	13378	11985
35°	52500	12477	10349
40°	51710	11605	5196
45°	50303	10790	21
50°	48902	5125	0
55°	47524	168	0
60°	45192	125	0
65°	42148	52	0
70°	38102	28	0
75°	32438	30	24
80°	23252	32	25
85°	11239	35	27



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	283.1	7.8
10°-20°	610.2	16.8
20°-30°	728.0	20.0
30°-40°	774.6	21.3
40°-50°	565.9	15.5
50°-60°	361.5	9.9
60°-70°	217.6	6.0
70°-80°	84.8	2.3
80°-90°	17.2	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°	1621.3	44.5
0°-40°	2395.9	65.8
0°-60°	3323.3	91.2
0°-90°	3643.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3643.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3430	3430	3430	3430	3430	
5°	3426	3259	3043	2988	2983	326
15°	3317	2830	1995	1555	1518	934
25°	3094	1972	1183	1078	1069	1424
35°	2747	1303	961	961	894	1718
45°	2300	843	822	4	2	1776
55°	1792	666	12	2	0	1596
65°	1204	271	4	2	0	1192
75°	602	14	2	2	2	636
85°	90	2	2	2	2	125
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3430.1	3430.1	3430.1	3430.1	3430.1
2.5°	3437.1	3414.2	3287.4	3234.6	3183.6
5°	3426.5	3259.3	3042.7	2988.1	2982.8
7.5°	3410.7	3102.6	2919.4	2606.0	2473.9
10°	3386.0	3000.4	2532.1	2267.9	2169.3
12.5°	3350.8	2849.0	2111.2	1959.8	1901.7
15°	3317.4	2829.6	1995.0	1554.8	1517.8
17.5°	3254.0	2435.2	1648.1	1461.5	1419.2
20°	3211.7	2255.6	1516.1	1267.8	1155.1
22.5°	3155.4	2150.0	1394.6	1153.3	1109.3
25°	3093.8	1972.1	1183.3	1077.6	1068.8
27.5°	3014.5	1734.4	1060.0	1049.4	1045.9
30°	2931.8	1472.0	1024.8	1021.3	1016.0
32.5°	2842.0	1368.2	993.1	993.1	987.8
35°	2746.9	1303.0	961.4	961.4	894.5
37.5°	2644.7	1220.2	929.7	929.7	672.6
40°	2544.4	1045.9	892.7	619.8	454.3
42.5°	2428.2	903.3	861.0	433.2	3.5
45°	2299.6	843.4	822.3	3.5	1.8
47.5°	2178.1	801.2	559.9	1.8	0.0
50°	2047.8	755.4	383.9	1.8	0.0
52.5°	1924.6	713.1	17.6	1.8	0.0
55°	1792.5	665.6	12.3	1.8	0.0
57.5°	1642.8	619.8	10.6	1.8	0.0
60°	1503.7	570.5	8.8	1.8	0.0
62.5°	1350.5	484.2	5.3	1.8	0.0
65°	1204.4	271.2	3.5	1.8	0.0
67.5°	1060.0	44.0	3.5	1.8	0.0
70°	901.5	29.9	1.8	1.8	0.0
72.5°	755.4	22.9	1.8	1.8	1.8
75°	602.2	14.1	1.8	1.8	1.8
77.5°	450.8	8.8	1.8	1.8	1.8
80°	309.9	5.3	1.8	1.8	1.8
82.5°	186.6	1.8	1.8	1.8	1.8
85°	89.8	1.8	1.8	1.8	1.8
87.5°	28.2	1.8	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)