

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: P218434

Luminaire Tested: **4SNLED-LD5-35SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218434  
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-LD5-35SL-RM-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3892.0 lumens  
Efficiency: N/A  
Efficacy: 156.3 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

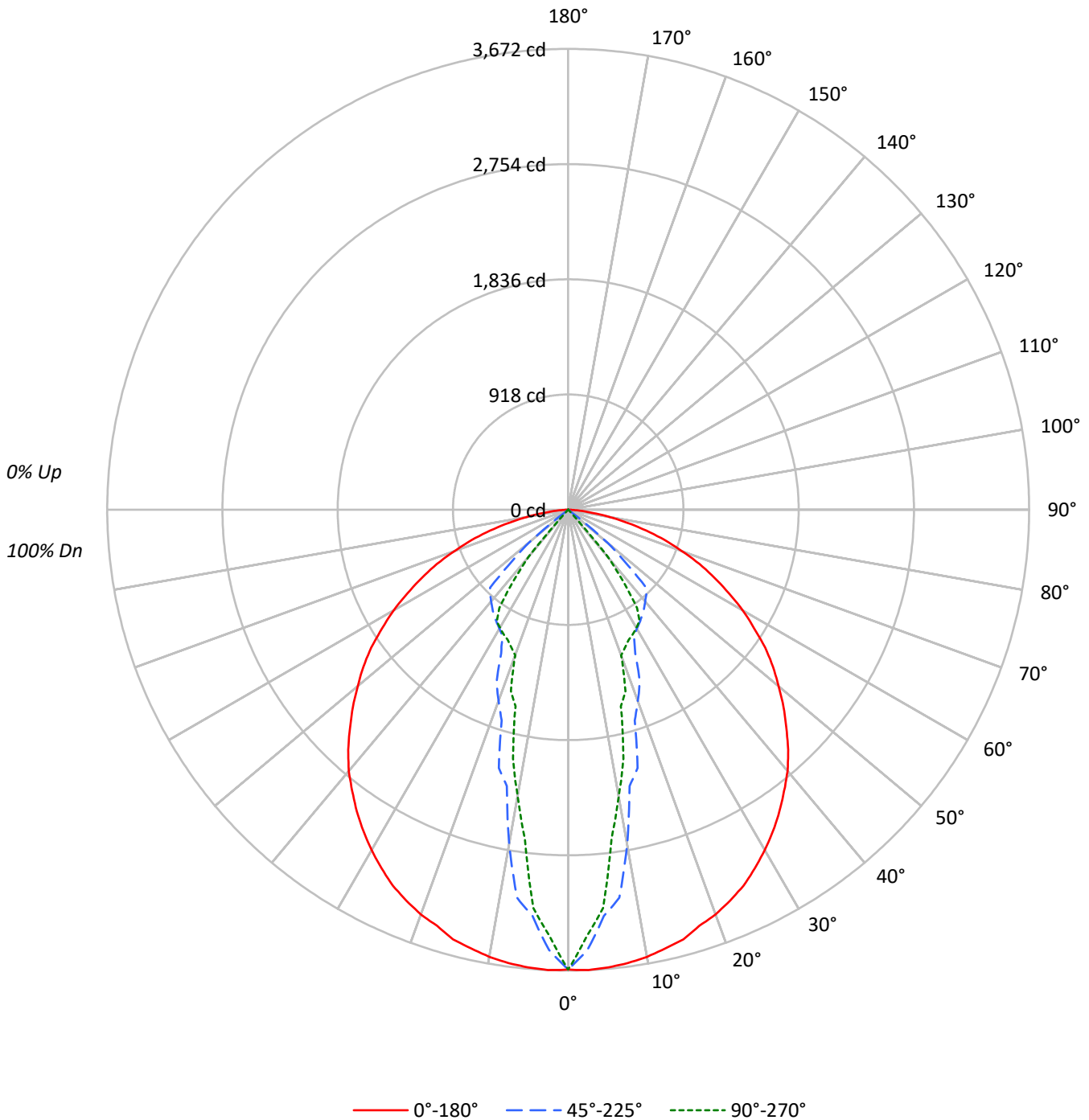
Input Watts (W): 24.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	59048	59048	59048
5°	58997	49397	47399
10°	58758	39173	32237
15°	58469	29695	21335
20°	57957	21902	15514
25°	57642	16729	13846
30°	56906	14292	12803
35°	56087	13329	11056
40°	55244	12399	5551
45°	53742	11528	22
50°	52245	5475	0
55°	50771	181	0
60°	48282	133	0
65°	45028	56	0
70°	40710	30	0
75°	34657	32	25
80°	24842	34	26
85°	12003	37	28



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	302.4	7.8
10°-20°	651.9	16.8
20°-30°	777.8	20.0
30°-40°	827.6	21.3
40°-50°	604.6	15.5
50°-60°	386.2	9.9
60°-70°	232.5	6.0
70°-80°	90.6	2.3
80°-90°	18.4	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°	1732.1	44.5
0°-40°	2559.7	65.8
0°-60°	3550.5	91.2
0°-90°	3892.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3892.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3664	3664	3664	3664	3664	
5°	3661	3482	3251	3192	3187	348
15°	3544	3023	2131	1661	1622	998
25°	3305	2107	1264	1151	1142	1521
35°	2935	1392	1027	1027	956	1836
45°	2457	901	878	4	2	1898
55°	1915	711	13	2	0	1705
65°	1287	290	4	2	0	1273
75°	643	15	2	2	2	680
85°	96	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°	3664.5	3664.5	3664.5	3664.5	3664.5
2.5°	3672.0	3647.6	3512.1	3455.7	3401.1
5°	3660.7	3482.0	3250.7	3192.3	3186.7
7.5°	3643.8	3314.6	3119.0	2784.1	2643.0
10°	3617.5	3205.5	2705.1	2422.9	2317.6
12.5°	3579.9	3043.7	2255.5	2093.7	2031.7
15°	3544.1	3023.0	2131.4	1661.1	1621.6
17.5°	3476.4	2601.7	1760.8	1561.4	1516.2
20°	3431.2	2409.8	1619.7	1354.4	1234.0
22.5°	3371.1	2296.9	1489.9	1232.2	1185.1
25°	3305.2	2106.9	1264.1	1151.3	1141.9
27.5°	3220.6	1852.9	1132.5	1121.2	1117.4
30°	3132.1	1572.7	1094.8	1091.1	1085.4
32.5°	3036.2	1461.7	1061.0	1061.0	1055.3
35°	2934.6	1392.1	1027.1	1027.1	955.6
37.5°	2825.5	1303.6	993.3	993.3	718.6
40°	2718.3	1117.4	953.8	662.2	485.3
42.5°	2594.1	965.0	919.9	462.8	3.8
45°	2456.8	901.1	878.5	3.8	1.9
47.5°	2327.0	855.9	598.2	1.9	0.0
50°	2187.8	807.0	410.1	1.9	0.0
52.5°	2056.1	761.9	18.8	1.9	0.0
55°	1915.0	711.1	13.2	1.9	0.0
57.5°	1755.1	662.2	11.3	1.9	0.0
60°	1606.5	609.5	9.4	1.9	0.0
62.5°	1442.9	517.3	5.6	1.9	0.0
65°	1286.7	289.7	3.8	1.9	0.0
67.5°	1132.5	47.0	3.8	1.9	0.0
70°	963.2	32.0	1.9	1.9	0.0
72.5°	807.0	24.5	1.9	1.9	1.9
75°	643.4	15.0	1.9	1.9	1.9
77.5°	481.6	9.4	1.9	1.9	1.9
80°	331.1	5.6	1.9	1.9	1.9
82.5°	199.4	1.9	1.9	1.9	1.9
85°	95.9	1.9	1.9	1.9	1.9
87.5°	30.1	1.9	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)