

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: P218479

Luminaire Tested: **4SNLED-LD5-72HL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218479  
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-LD5-72HL-RM-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7228.0 lumens  
Efficiency: N/A  
Efficacy: 117.0 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

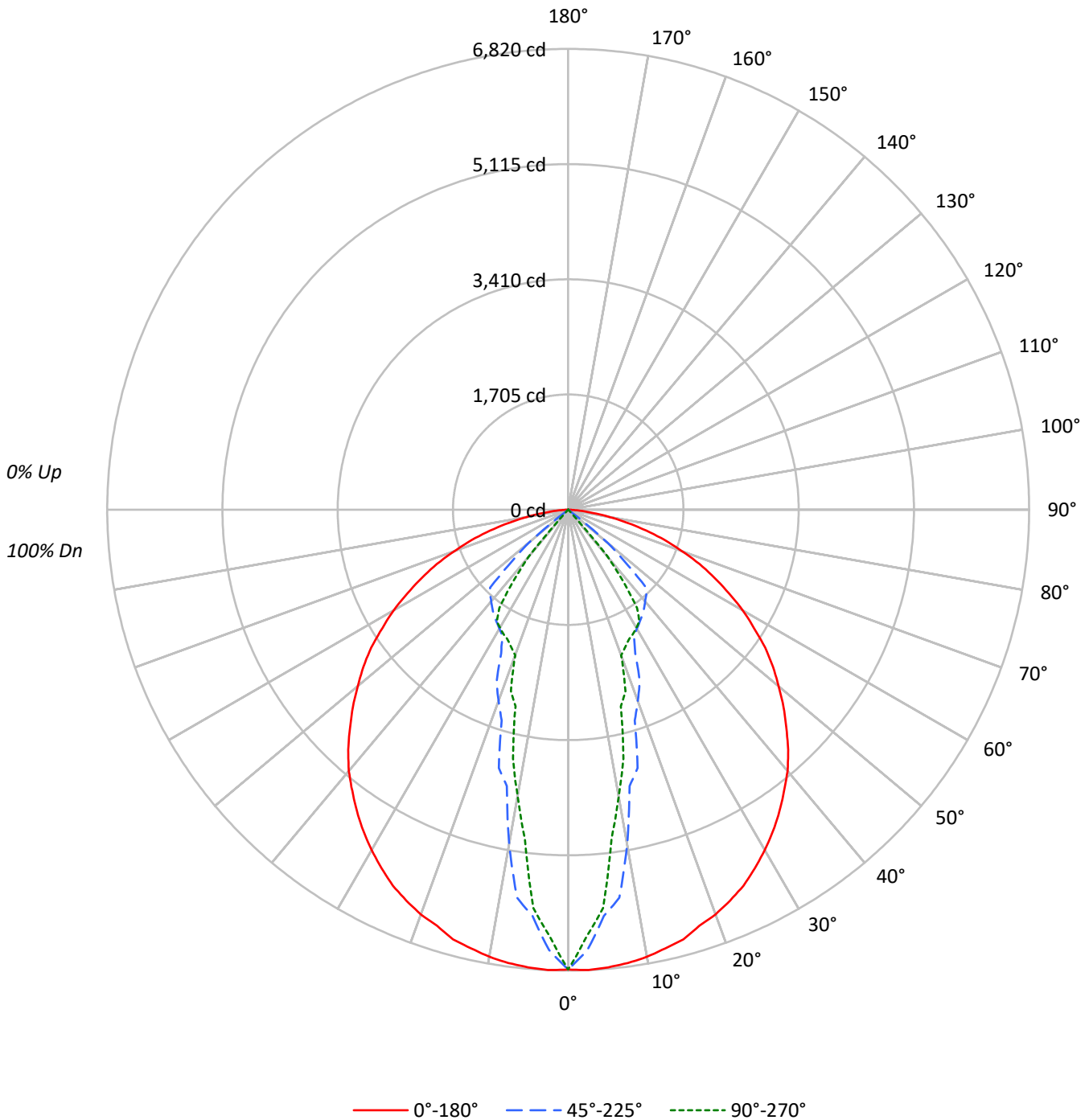
Input Watts (W): 61.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	109661	109661	109661
5°	109567	91736	88025
10°	109121	72751	59868
15°	108585	55146	39622
20°	107635	40675	28812
25°	107050	31069	25713
30°	105682	26544	23778
35°	104163	24754	20533
40°	102594	23026	10309
45°	99806	21409	40
50°	97028	10167	0
55°	94292	335	0
60°	89666	248	0
65°	83624	103	0
70°	75599	55	0
75°	64358	58	46
80°	46136	63	49
85°	22303	69	52



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	561.6	7.8
10°-20°	1210.7	16.8
20°-30°	1444.4	20.0
30°-40°	1536.9	21.3
40°-50°	1122.9	15.5
50°-60°	717.2	9.9
60°-70°	431.8	6.0
70°-80°	168.3	2.3
80°-90°	34.1	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°	3216.8	44.5
0°-40°	4753.7	65.8
0°-60°	6593.8	91.2
0°-90°	7228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7228.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6806	6806	6806	6806	6806	
5°	6798	6467	6037	5929	5918	646
15°	6582	5614	3958	3085	3012	1854
25°	6138	3913	2348	2138	2121	2825
35°	5450	2585	1908	1908	1775	3409
45°	4563	1673	1632	7	4	3524
55°	3556	1321	24	4	0	3166
65°	2390	538	7	4	0	2365
75°	1195	28	4	4	4	1262
85°	178	4	4	4	4	248
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6805.5	6805.5	6805.5	6805.5	6805.5
2.5°	6819.5	6774.1	6522.5	6417.7	6316.4
5°	6798.5	6466.6	6036.9	5928.6	5918.1
7.5°	6767.1	6155.7	5792.4	5170.5	4908.5
10°	6718.2	5953.1	5023.8	4499.7	4304.1
12.5°	6648.3	5652.6	4188.8	3888.4	3773.1
15°	6581.9	5614.2	3958.2	3084.8	3011.5
17.5°	6456.2	4831.6	3270.0	2899.7	2815.8
20°	6372.3	4475.3	3008.0	2515.4	2291.8
22.5°	6260.5	4265.7	2766.9	2288.3	2201.0
25°	6138.2	3912.8	2347.7	2138.1	2120.6
27.5°	5981.0	3441.2	2103.1	2082.2	2075.2
30°	5816.8	2920.6	2033.3	2026.3	2015.8
32.5°	5638.7	2714.5	1970.4	1970.4	1959.9
35°	5450.0	2585.3	1907.5	1907.5	1774.7
37.5°	5247.4	2421.1	1844.6	1844.6	1334.6
40°	5048.2	2075.2	1771.3	1229.7	901.3
42.5°	4817.7	1792.2	1708.4	859.4	7.0
45°	4562.6	1673.4	1631.5	7.0	3.5
47.5°	4321.6	1589.6	1111.0	3.5	0.0
50°	4063.1	1498.8	761.6	3.5	0.0
52.5°	3818.5	1414.9	34.9	3.5	0.0
55°	3556.5	1320.6	24.5	3.5	0.0
57.5°	3259.5	1229.7	21.0	3.5	0.0
60°	2983.5	1131.9	17.5	3.5	0.0
62.5°	2679.6	960.7	10.5	3.5	0.0
65°	2389.6	538.0	7.0	3.5	0.0
67.5°	2103.1	87.3	7.0	3.5	0.0
70°	1788.7	59.4	3.5	3.5	0.0
72.5°	1498.8	45.4	3.5	3.5	3.5
75°	1194.8	27.9	3.5	3.5	3.5
77.5°	894.4	17.5	3.5	3.5	3.5
80°	614.9	10.5	3.5	3.5	3.5
82.5°	370.3	3.5	3.5	3.5	3.5
85°	178.2	3.5	3.5	3.5	3.5
87.5°	55.9	3.5	3.5	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)