

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: P218481

Luminaire Tested: **4SNLED-LD5-72HL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218481
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7975.1 lumens
Efficiency: N/A
Efficacy: 129.0 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

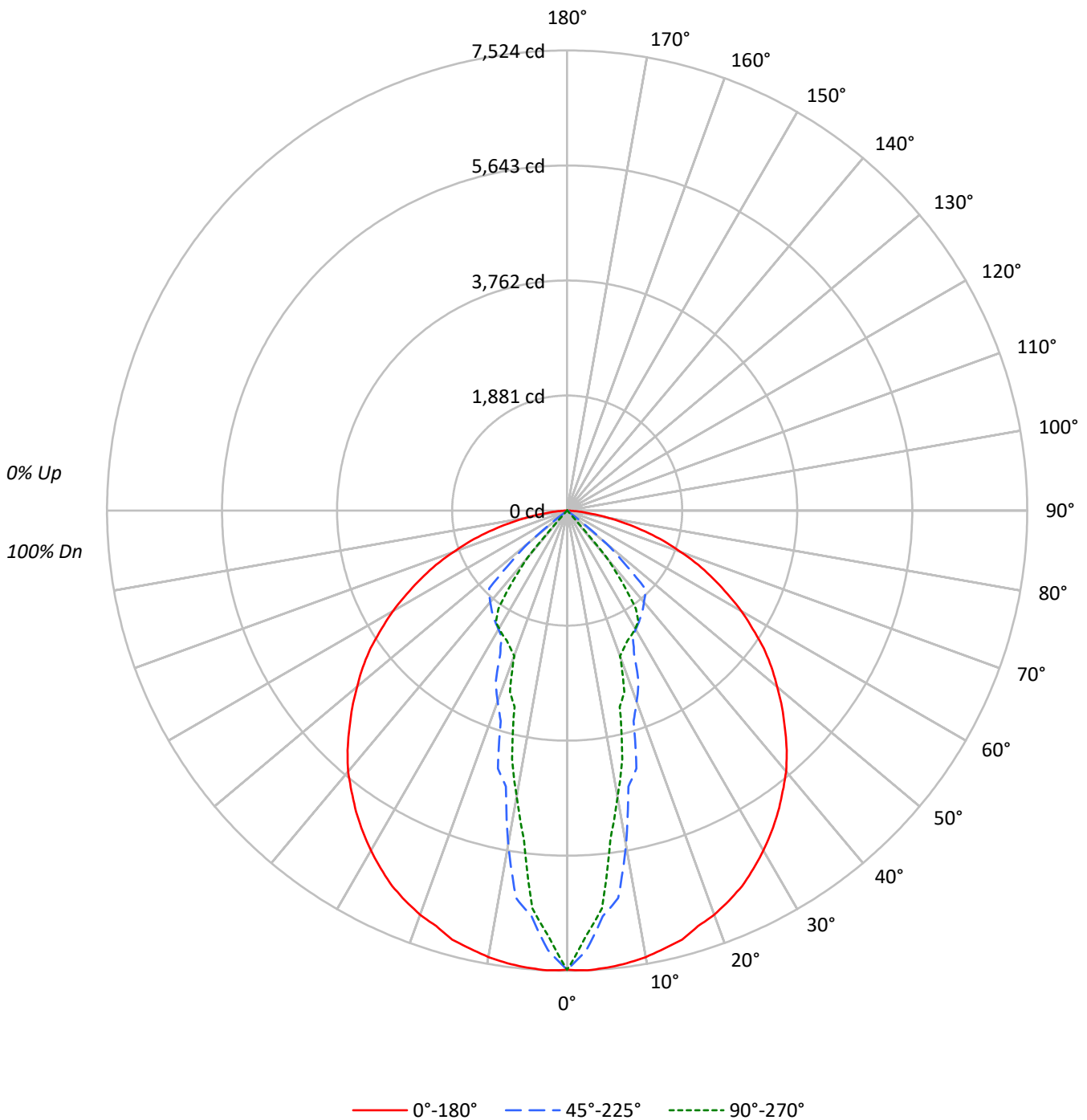
Input Watts (W): 61.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	108	104	101	109	105	103	100	101	99	97		98	96	94		94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84		89	85	82		86	83	81	79
3	96	88	81	76	94	86	80	75	84	78	74		81	77	73		79	75	72	70
4	90	80	73	67	88	79	72	67	76	71	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		67	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62	57	53	51
7	74	62	54	49	72	61	54	49	60	53	49		58	53	48		57	52	48	46
8	69	57	50	45	68	57	50	45	56	49	45		54	49	44		53	48	44	43
9	65	54	46	42	64	53	46	41	52	46	41		51	45	41		50	45	41	39
10	62	50	43	38	60	50	43	38	49	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	120996	120996	120996
5°	120892	101217	97124
10°	120399	80270	66055
15°	119808	60846	43716
20°	118760	44879	31791
25°	118114	34279	28371
30°	116605	29286	26235
35°	114929	27312	22656
40°	113199	25405	11375
45°	110122	23621	44
50°	107055	11217	0
55°	104035	370	0
60°	98935	273	0
65°	92268	114	0
70°	83414	61	0
75°	71011	65	51
80°	50900	70	54
85°	24606	77	58



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	619.7	7.8
10°-20°	1335.9	16.8
20°-30°	1593.7	20.0
30°-40°	1695.7	21.3
40°-50°	1238.9	15.5
50°-60°	791.3	9.9
60°-70°	476.5	6.0
70°-80°	185.7	2.3
80°-90°	37.7	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°	3549.2	44.5
0°-40°	5245.0	65.8
0°-60°	7275.2	91.2
0°-90°	7975.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7975.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7509	7509	7509	7509	7509	
5°	7501	7135	6661	6541	6530	713
15°	7262	6194	4367	3404	3323	2045
25°	6773	4317	2590	2359	2340	3116
35°	6013	2852	2105	2105	1958	3762
45°	5034	1846	1800	8	4	3889
55°	3924	1457	27	4	0	3493
65°	2637	594	8	4	0	2609
75°	1318	31	4	4	4	1393
85°	197	4	4	4	4	274
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7508.9	7508.9	7508.9	7508.9	7508.9
2.5°	7524.3	7474.2	7196.6	7081.0	6969.2
5°	7501.2	7135.0	6660.8	6541.3	6529.8
7.5°	7466.5	6791.9	6391.0	5704.9	5415.8
10°	7412.5	6568.3	5543.0	4964.8	4748.9
12.5°	7335.4	6236.8	4621.7	4290.2	4163.0
15°	7262.2	6194.4	4367.3	3403.7	3322.7
17.5°	7123.4	5331.0	3608.0	3199.4	3106.8
20°	7030.9	4937.8	3318.9	2775.3	2528.7
22.5°	6907.5	4706.5	3052.9	2524.8	2428.4
25°	6772.6	4317.2	2590.3	2359.0	2339.8
27.5°	6599.2	3796.8	2320.5	2297.4	2289.7
30°	6418.0	3222.5	2243.4	2235.7	2224.1
32.5°	6221.4	2995.1	2174.0	2174.0	2162.5
35°	6013.3	2852.4	2104.6	2104.6	1958.2
37.5°	5789.7	2671.3	2035.3	2035.3	1472.5
40°	5570.0	2289.7	1954.3	1356.8	994.5
42.5°	5315.6	1977.4	1884.9	948.2	7.7
45°	5034.2	1846.4	1800.1	7.7	3.9
47.5°	4768.2	1753.9	1225.8	3.9	0.0
50°	4483.0	1653.6	840.3	3.9	0.0
52.5°	4213.1	1561.1	38.5	3.9	0.0
55°	3924.0	1457.1	27.0	3.9	0.0
57.5°	3596.4	1356.8	23.1	3.9	0.0
60°	3291.9	1248.9	19.3	3.9	0.0
62.5°	2956.5	1060.0	11.6	3.9	0.0
65°	2636.6	593.6	7.7	3.9	0.0
67.5°	2320.5	96.4	7.7	3.9	0.0
70°	1973.6	65.5	3.9	3.9	0.0
72.5°	1653.6	50.1	3.9	3.9	3.9
75°	1318.3	30.8	3.9	3.9	3.9
77.5°	986.8	19.3	3.9	3.9	3.9
80°	678.4	11.6	3.9	3.9	3.9
82.5°	408.6	3.9	3.9	3.9	3.9
85°	196.6	3.9	3.9	3.9	3.9
87.5°	61.7	3.9	3.9	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)