

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: P218480

Luminaire Tested: **4SNLED-LD5-72HL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218480
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7373.0 lumens
Efficiency: N/A
Efficacy: 119.3 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

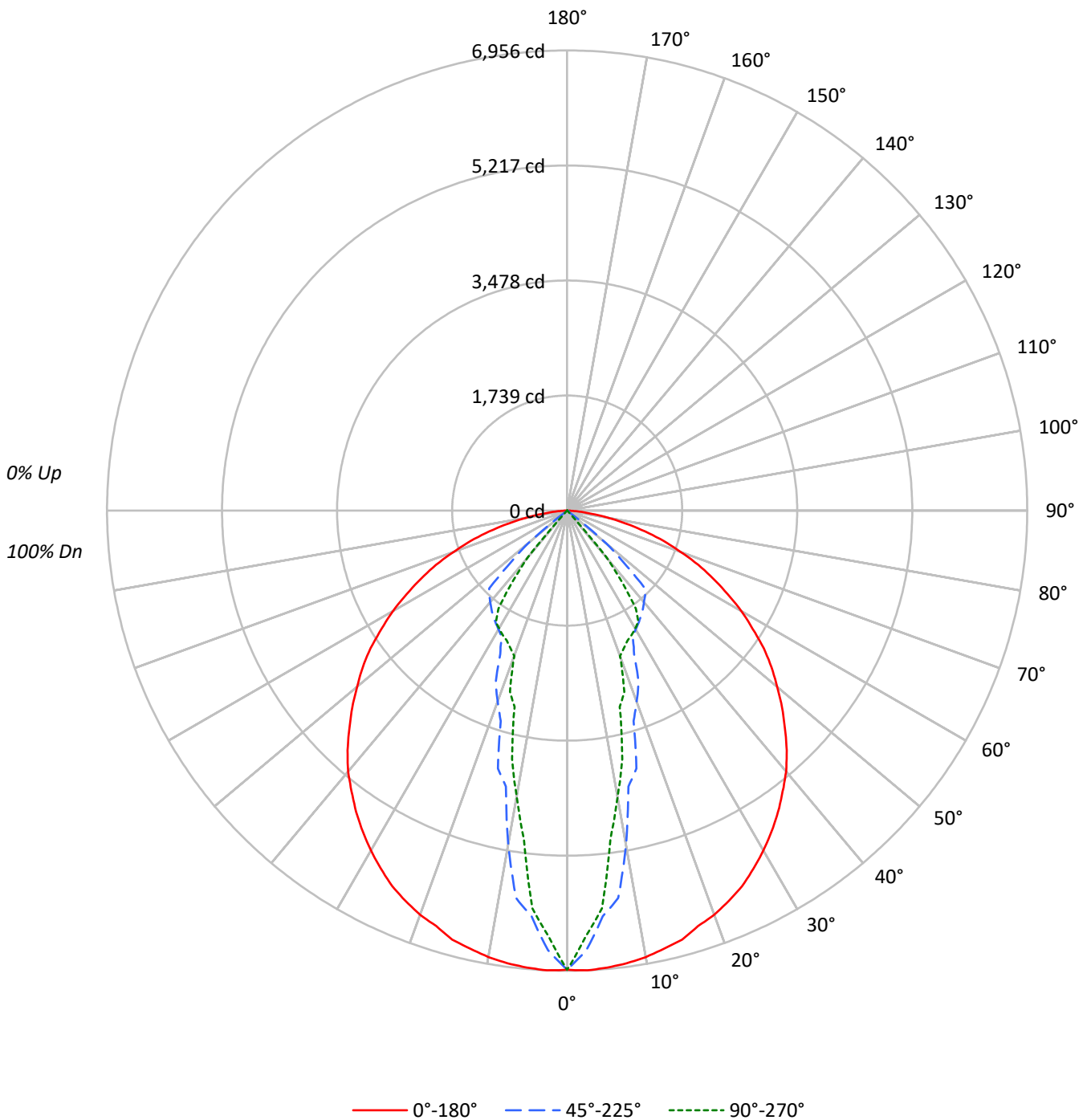
Input Watts (W): 61.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	111861	111861	111861
5°	111765	93576	89792
10°	111311	74211	61070
15°	110764	56252	40416
20°	109796	41490	29391
25°	109198	31692	26229
30°	107803	27076	24255
35°	106252	25252	20945
40°	104653	23488	10516
45°	101810	21838	41
50°	98974	10371	0
55°	96182	341	0
60°	91466	252	0
65°	85304	105	0
70°	77117	56	0
75°	65651	60	47
80°	47059	65	50
85°	22741	71	54



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.9	7.8
10°-20°	1235.0	16.8
20°-30°	1473.4	20.0
30°-40°	1567.7	21.3
40°-50°	1145.4	15.5
50°-60°	731.6	9.9
60°-70°	440.5	6.0
70°-80°	171.7	2.3
80°-90°	34.8	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°	3281.3	44.5
0°-40°	4849.0	65.8
0°-60°	6726.0	91.2
0°-90°	7373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7373.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6942	6942	6942	6942	6942	
5°	6935	6596	6158	6048	6037	659
15°	6714	5727	4038	3147	3072	1891
25°	6261	3991	2395	2181	2163	2881
35°	5559	2637	1946	1946	1810	3478
45°	4654	1707	1664	7	4	3595
55°	3628	1347	25	4	0	3230
65°	2438	549	7	4	0	2412
75°	1219	28	4	4	4	1287
85°	182	4	4	4	4	253
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6942.0	6942.0	6942.0	6942.0	6942.0
2.5°	6956.3	6910.0	6653.4	6546.5	6443.1
5°	6934.9	6596.4	6158.0	6047.6	6036.9
7.5°	6902.8	6279.2	5908.6	5274.2	5007.0
10°	6853.0	6072.5	5124.6	4590.0	4390.5
12.5°	6781.7	5766.0	4272.9	3966.4	3848.8
15°	6714.0	5726.8	4037.6	3146.7	3071.9
17.5°	6585.7	4928.6	3335.6	2957.9	2872.3
20°	6500.2	4565.1	3068.3	2565.8	2337.8
22.5°	6386.1	4351.3	2822.4	2334.2	2245.1
25°	6261.4	3991.3	2394.8	2181.0	2163.2
27.5°	6101.0	3510.2	2145.3	2124.0	2116.8
30°	5933.5	2979.2	2074.1	2066.9	2056.2
32.5°	5751.8	2769.0	2009.9	2009.9	1999.2
35°	5559.3	2637.1	1945.8	1945.8	1810.3
37.5°	5352.6	2469.6	1881.6	1881.6	1361.3
40°	5149.5	2116.8	1806.8	1254.4	919.4
42.5°	4914.3	1828.2	1742.6	876.7	7.1
45°	4654.2	1707.0	1664.2	7.1	3.6
47.5°	4408.3	1621.5	1133.2	3.6	0.0
50°	4144.6	1528.8	776.9	3.6	0.0
52.5°	3895.1	1443.3	35.6	3.6	0.0
55°	3627.8	1347.1	24.9	3.6	0.0
57.5°	3324.9	1254.4	21.4	3.6	0.0
60°	3043.4	1154.6	17.8	3.6	0.0
62.5°	2733.3	980.0	10.7	3.6	0.0
65°	2437.6	548.8	7.1	3.6	0.0
67.5°	2145.3	89.1	7.1	3.6	0.0
70°	1824.6	60.6	3.6	3.6	0.0
72.5°	1528.8	46.3	3.6	3.6	3.6
75°	1218.8	28.5	3.6	3.6	3.6
77.5°	912.3	17.8	3.6	3.6	3.6
80°	627.2	10.7	3.6	3.6	3.6
82.5°	377.7	3.6	3.6	3.6	3.6
85°	181.7	3.6	3.6	3.6	3.6
87.5°	57.0	3.6	3.6	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)