

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: P218478

Luminaire Tested: **4SNLED-LD5-72HL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218478
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6804.0 lumens
Efficiency: N/A
Efficacy: 110.1 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

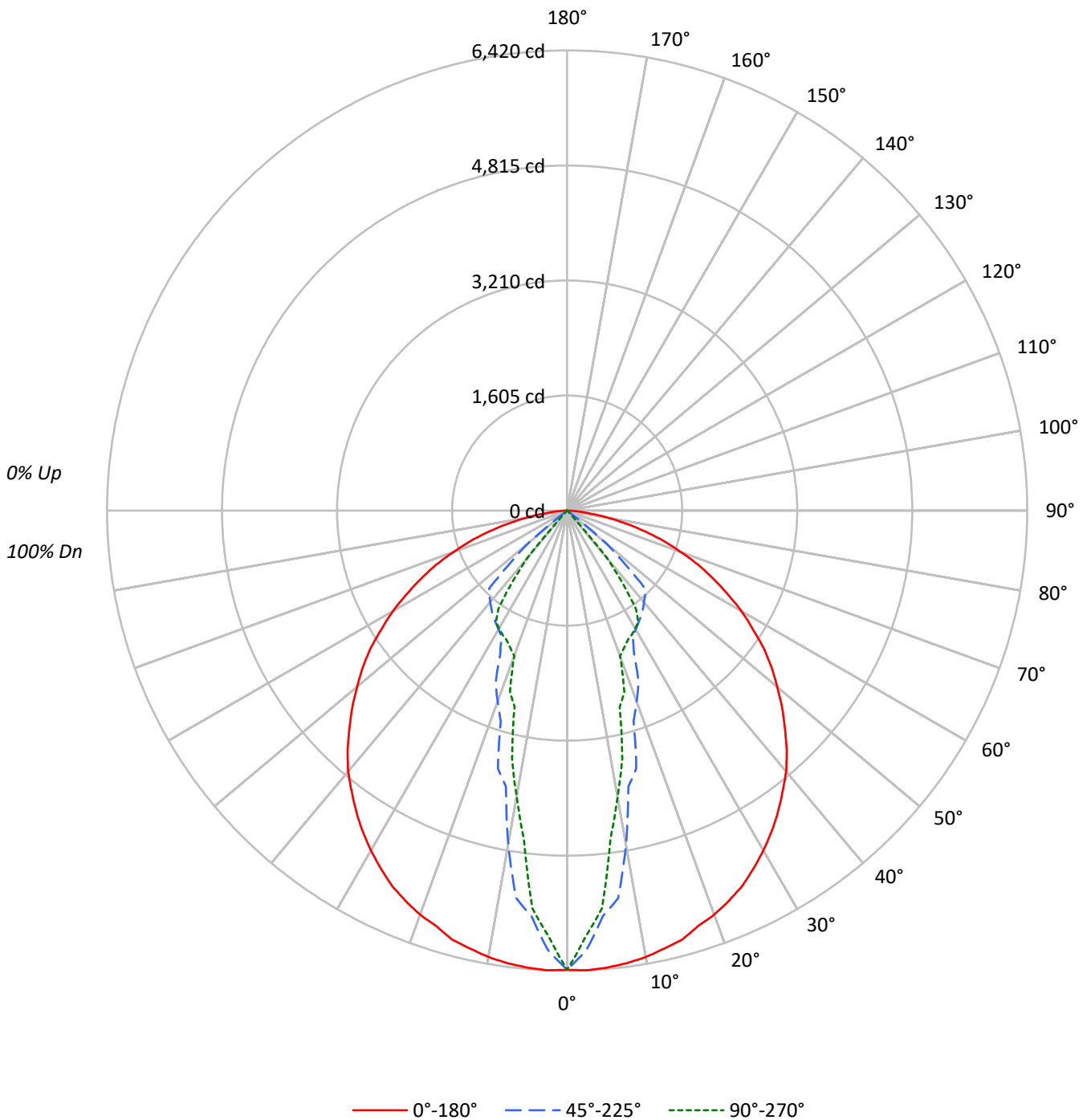
Input Watts (W): 61.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	103229	103229	103229
5°	103140	86355	82862
10°	102720	68483	56356
15°	102215	51911	37297
20°	101321	38288	27123
25°	100771	29247	24205
30°	99483	24986	22384
35°	98052	23302	19329
40°	96576	21674	9705
45°	93953	20153	38
50°	91335	9570	0
55°	88761	315	0
60°	84407	232	0
65°	78718	98	0
70°	71166	51	0
75°	60582	55	43
80°	43427	59	46
85°	20989	65	49



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.7	7.8
10°-20°	1139.7	16.8
20°-30°	1359.7	20.0
30°-40°	1446.7	21.3
40°-50°	1057.0	15.5
50°-60°	675.1	9.9
60°-70°	406.5	6.0
70°-80°	158.4	2.3
80°-90°	32.1	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°	3028.1	44.5
0°-40°	4474.8	65.8
0°-60°	6207.0	91.2
0°-90°	6804.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6804.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6406	6406	6406	6406	6406	
5°	6400	6087	5683	5581	5571	609
15°	6196	5285	3726	2904	2835	1745
25°	5778	3683	2210	2013	1996	2659
35°	5130	2434	1796	1796	1671	3209
45°	4295	1575	1536	7	3	3318
55°	3348	1243	23	3	0	2980
65°	2249	506	7	3	0	2226
75°	1125	26	3	3	3	1188
85°	168	3	3	3	3	233
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6406.3	6406.3	6406.3	6406.3	6406.3
2.5°	6419.5	6376.7	6139.9	6041.3	5945.9
5°	6399.7	6087.3	5682.8	5580.9	5571.0
7.5°	6370.1	5794.6	5452.6	4867.2	4620.6
10°	6324.1	5603.9	4729.1	4235.8	4051.6
12.5°	6258.3	5321.0	3943.1	3660.3	3551.8
15°	6195.8	5284.9	3726.0	2903.9	2834.8
17.5°	6077.4	4548.2	3078.2	2729.6	2650.7
20°	5998.5	4212.8	2831.5	2367.8	2157.4
22.5°	5893.3	4015.5	2604.6	2154.1	2071.9
25°	5778.2	3683.3	2210.0	2012.7	1996.2
27.5°	5630.2	3239.3	1979.8	1960.0	1953.5
30°	5475.6	2749.3	1914.0	1907.4	1897.6
32.5°	5307.9	2555.3	1854.8	1854.8	1844.9
35°	5130.3	2433.6	1795.6	1795.6	1670.6
37.5°	4939.6	2279.0	1736.4	1736.4	1256.3
40°	4752.1	1953.5	1667.3	1157.6	848.5
42.5°	4535.1	1687.1	1608.2	809.0	6.6
45°	4295.0	1575.3	1535.8	6.6	3.3
47.5°	4068.1	1496.3	1045.8	3.3	0.0
50°	3824.7	1410.8	716.9	3.3	0.0
52.5°	3594.5	1331.9	32.9	3.3	0.0
55°	3347.9	1243.1	23.0	3.3	0.0
57.5°	3068.3	1157.6	19.7	3.3	0.0
60°	2808.5	1065.5	16.4	3.3	0.0
62.5°	2522.4	904.4	9.9	3.3	0.0
65°	2249.4	506.5	6.6	3.3	0.0
67.5°	1979.8	82.2	6.6	3.3	0.0
70°	1683.8	55.9	3.3	3.3	0.0
72.5°	1410.8	42.8	3.3	3.3	3.3
75°	1124.7	26.3	3.3	3.3	3.3
77.5°	841.9	16.4	3.3	3.3	3.3
80°	578.8	9.9	3.3	3.3	3.3
82.5°	348.6	3.3	3.3	3.3	3.3
85°	167.7	3.3	3.3	3.3	3.3
87.5°	52.6	3.3	3.3	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)