

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: P218469

Luminaire Tested: **4SNLED-LD5-62HL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218469
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-LD5-62HL-RM-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5668.9 lumens
Efficiency: N/A
Efficacy: 131.8 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

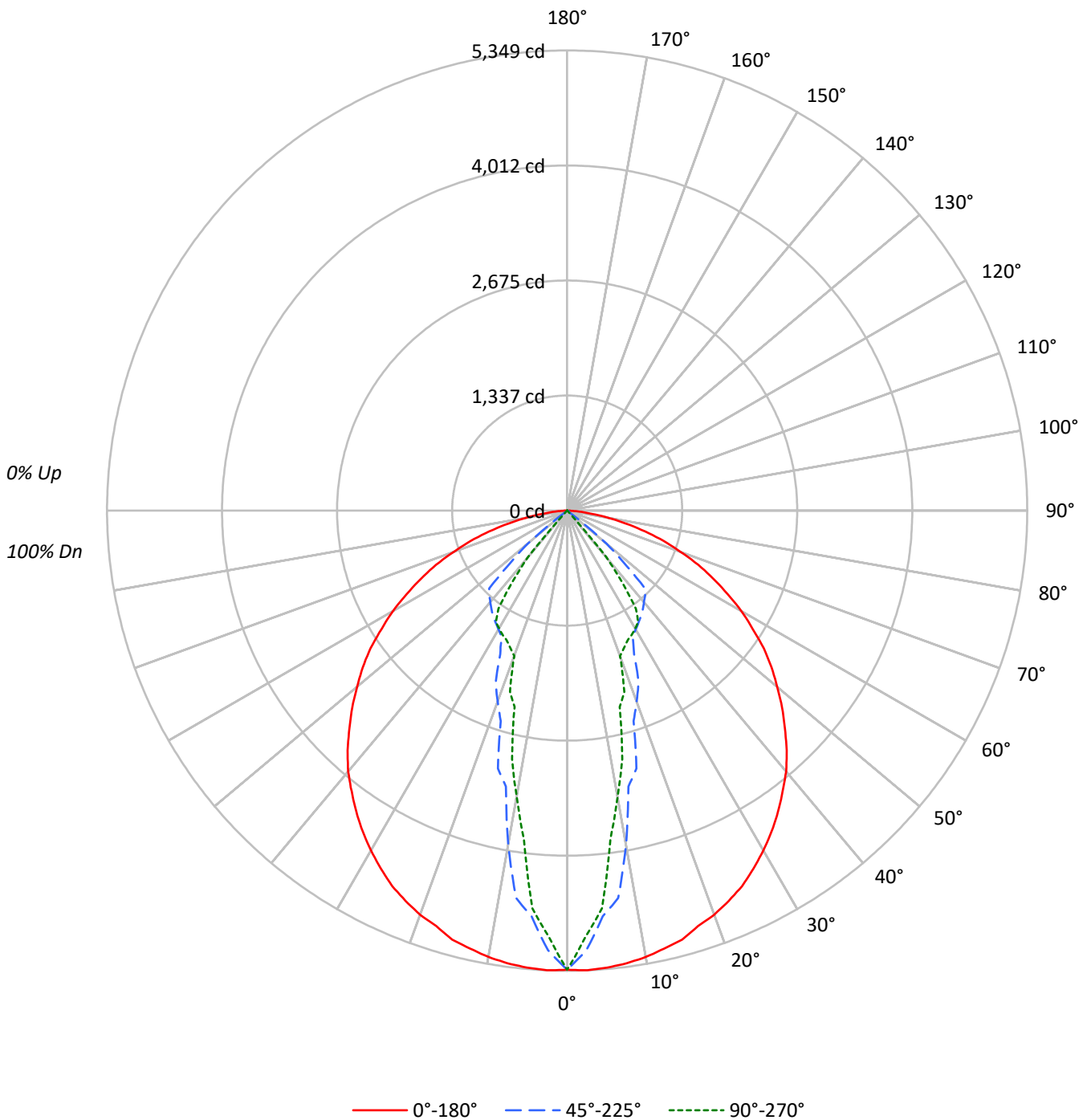
Input Watts (W): 43
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	93	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°	86008	86008	86008
5°	85935	71949	69040
10°	85584	57059	46956
15°	85165	43252	31075
20°	84420	31902	22598
25°	83961	24367	20167
30°	82888	20818	18649
35°	81696	19416	16105
40°	80467	18059	8085
45°	78279	16791	31
50°	76099	7974	0
55°	73954	263	0
60°	70326	194	0
65°	65587	81	0
70°	59294	42	0
75°	50477	45	36
80°	36187	48	38
85°	17485	53	40



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.5	7.8
10°-20°	949.6	16.8
20°-30°	1132.9	20.0
30°-40°	1205.4	21.3
40°-50°	880.7	15.5
50°-60°	562.5	9.9
60°-70°	338.7	6.0
70°-80°	132.0	2.3
80°-90°	26.7	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°	2523.0	44.5
0°-40°	3728.4	65.8
0°-60°	5171.5	91.2
0°-90°	5668.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5668.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5338	5338	5338	5338	5338	
5°	5332	5072	4735	4650	4642	507
15°	5162	4403	3104	2420	2362	1454
25°	4814	3069	1841	1677	1663	2215
35°	4274	2028	1496	1496	1392	2674
45°	3578	1312	1280	6	3	2764
55°	2789	1036	19	3	0	2483
65°	1874	422	6	3	0	1855
75°	937	22	3	3	3	990
85°	140	3	3	3	3	194
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5337.6	5337.6	5337.6	5337.6	5337.6
2.5°	5348.6	5313.0	5115.7	5033.5	4954.0
5°	5332.2	5071.9	4734.8	4649.9	4641.7
7.5°	5307.5	4828.0	4543.0	4055.3	3849.8
10°	5269.1	4669.1	3940.2	3529.2	3375.8
12.5°	5214.3	4433.4	3285.3	3049.7	2959.3
15°	5162.3	4403.3	3104.5	2419.5	2361.9
17.5°	5063.6	3789.5	2564.7	2274.3	2208.5
20°	4997.9	3510.0	2359.2	1972.8	1797.5
22.5°	4910.2	3345.6	2170.1	1794.7	1726.2
25°	4814.3	3068.9	1841.3	1676.9	1663.2
27.5°	4691.0	2699.0	1649.5	1633.1	1627.6
30°	4562.2	2290.7	1594.7	1589.2	1581.0
32.5°	4422.5	2129.0	1545.4	1545.4	1537.2
35°	4274.5	2027.6	1496.1	1496.1	1392.0
37.5°	4115.6	1898.9	1446.8	1446.8	1046.7
40°	3959.4	1627.6	1389.2	964.5	706.9
42.5°	3778.5	1405.7	1339.9	674.1	5.5
45°	3578.5	1312.5	1279.6	5.5	2.7
47.5°	3389.5	1246.7	871.3	2.7	0.0
50°	3186.7	1175.5	597.3	2.7	0.0
52.5°	2994.9	1109.7	27.4	2.7	0.0
55°	2789.4	1035.7	19.2	2.7	0.0
57.5°	2556.5	964.5	16.4	2.7	0.0
60°	2340.0	887.8	13.7	2.7	0.0
62.5°	2101.6	753.5	8.2	2.7	0.0
65°	1874.2	422.0	5.5	2.7	0.0
67.5°	1649.5	68.5	5.5	2.7	0.0
70°	1402.9	46.6	2.7	2.7	0.0
72.5°	1175.5	35.6	2.7	2.7	2.7
75°	937.1	21.9	2.7	2.7	2.7
77.5°	701.5	13.7	2.7	2.7	2.7
80°	482.3	8.2	2.7	2.7	2.7
82.5°	290.4	2.7	2.7	2.7	2.7
85°	139.7	2.7	2.7	2.7	2.7
87.5°	43.8	2.7	2.7	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)