

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: P218474

Luminaire Tested: **4SNLED-LD5-62SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218474
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-LD5-62SL-RM-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6917.9 lumens
Efficiency: N/A
Efficacy: 134.3 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

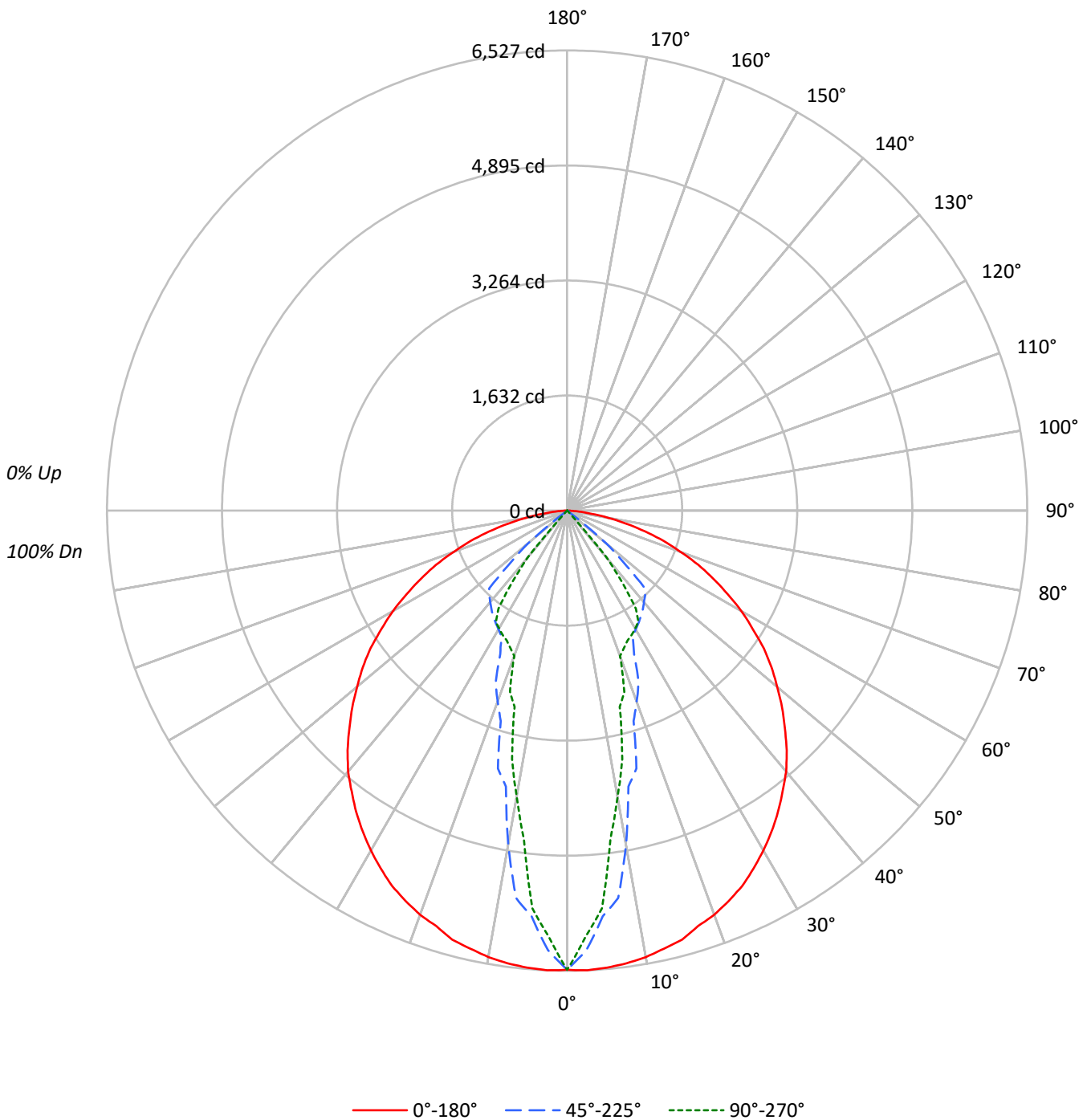
Input Watts (W): 51.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	104958	104958	104958
5°	104869	87802	84250
10°	104440	69630	57301
15°	103928	52782	37922
20°	103019	38931	27577
25°	102459	29736	24611
30°	101151	25405	22758
35°	99696	23693	19653
40°	98194	22038	9867
45°	95525	20490	38
50°	92865	9730	0
55°	90246	320	0
60°	85822	236	0
65°	80037	99	0
70°	72358	51	0
75°	61600	55	43
80°	44155	59	46
85°	21339	65	49



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	537.6	7.8
10°-20°	1158.8	16.8
20°-30°	1382.5	20.0
30°-40°	1471.0	21.3
40°-50°	1074.7	15.5
50°-60°	686.4	9.9
60°-70°	413.3	6.0
70°-80°	161.0	2.3
80°-90°	32.6	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°	3078.8	44.5
0°-40°	4549.8	65.8
0°-60°	6310.9	91.2
0°-90°	6917.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6917.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6514	6514	6514	6514	6514	
5°	6507	6189	5778	5674	5664	619
15°	6300	5373	3788	2952	2882	1774
25°	5875	3745	2247	2046	2030	2703
35°	5216	2474	1826	1826	1699	3263
45°	4367	1602	1562	7	3	3373
55°	3404	1264	23	3	0	3030
65°	2287	515	7	3	0	2263
75°	1144	27	3	3	3	1208
85°	170	3	3	3	3	237
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6513.6	6513.6	6513.6	6513.6	6513.6
2.5°	6527.0	6483.5	6242.8	6142.5	6045.5
5°	6507.0	6189.3	5778.0	5674.4	5664.3
7.5°	6476.9	5891.7	5544.0	4948.8	4698.0
10°	6430.0	5697.8	4808.3	4306.8	4119.5
12.5°	6363.2	5410.2	4009.2	3721.6	3611.3
15°	6299.6	5373.4	3788.5	2952.5	2882.3
17.5°	6179.3	4624.4	3129.8	2775.3	2695.1
20°	6099.0	4283.4	2879.0	2407.5	2193.5
22.5°	5992.0	4082.7	2648.3	2190.2	2106.6
25°	5875.0	3745.0	2247.0	2046.4	2029.7
27.5°	5724.5	3293.6	2012.9	1992.9	1986.2
30°	5567.4	2795.4	1946.1	1939.4	1929.3
32.5°	5396.8	2598.1	1885.9	1885.9	1875.8
35°	5216.3	2474.4	1825.7	1825.7	1698.6
37.5°	5022.3	2317.2	1765.5	1765.5	1277.3
40°	4831.7	1986.2	1695.3	1177.0	862.7
42.5°	4611.0	1715.3	1635.1	822.6	6.7
45°	4366.9	1601.7	1561.5	6.7	3.3
47.5°	4136.2	1521.4	1063.3	3.3	0.0
50°	3888.8	1434.5	728.9	3.3	0.0
52.5°	3654.7	1354.2	33.4	3.3	0.0
55°	3403.9	1263.9	23.4	3.3	0.0
57.5°	3119.7	1177.0	20.1	3.3	0.0
60°	2855.6	1083.4	16.7	3.3	0.0
62.5°	2564.7	919.5	10.0	3.3	0.0
65°	2287.1	514.9	6.7	3.3	0.0
67.5°	2012.9	83.6	6.7	3.3	0.0
70°	1712.0	56.8	3.3	3.3	0.0
72.5°	1434.5	43.5	3.3	3.3	3.3
75°	1143.6	26.8	3.3	3.3	3.3
77.5°	856.0	16.7	3.3	3.3	3.3
80°	588.5	10.0	3.3	3.3	3.3
82.5°	354.4	3.3	3.3	3.3	3.3
85°	170.5	3.3	3.3	3.3	3.3
87.5°	53.5	3.3	3.3	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)