

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: P218595

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-62SL-RW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6859.0 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

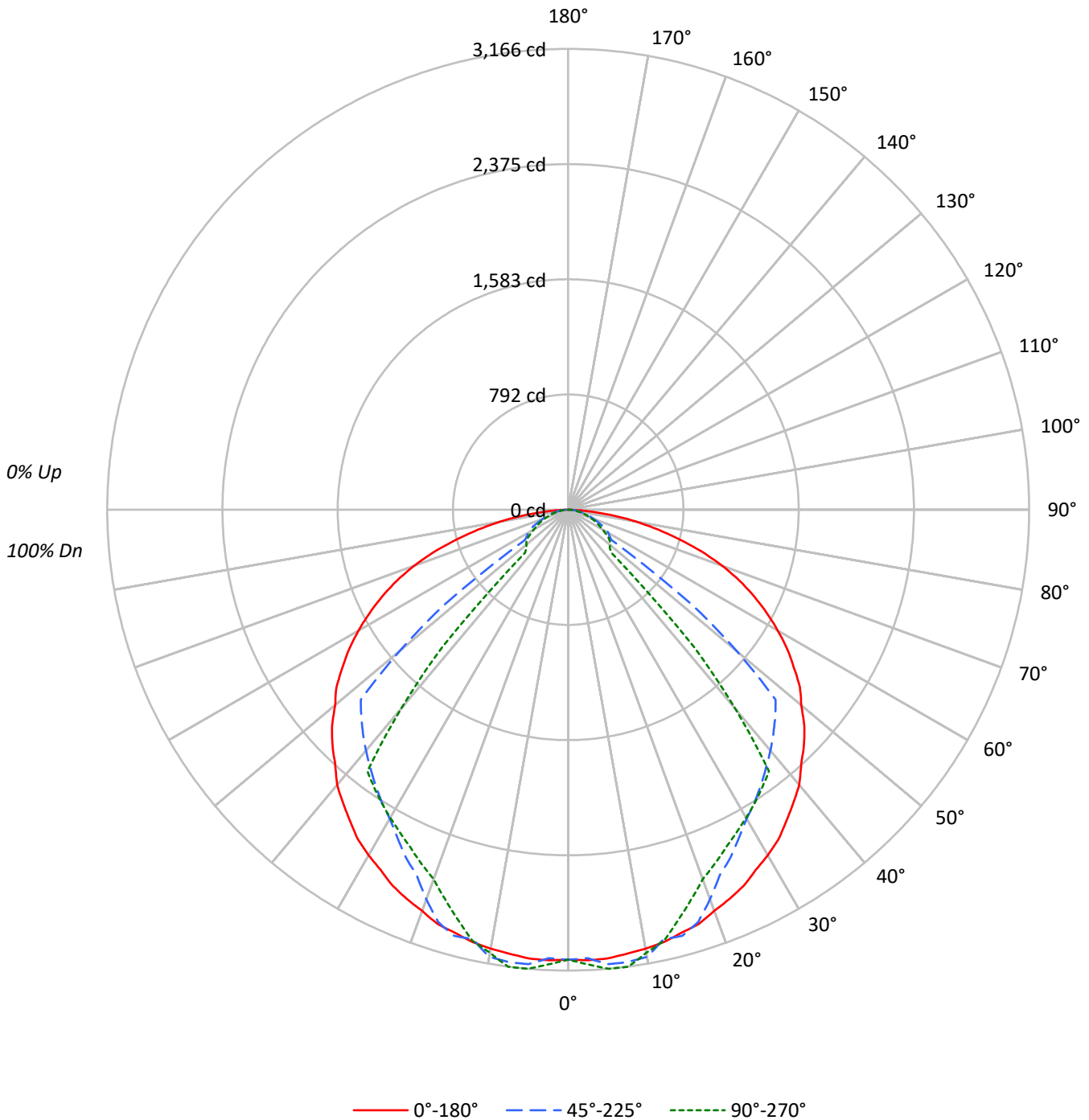
Input Watts (W): 51.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87					87			
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75					75			
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65					65			
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57					57			
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36					36			
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33					33			
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	49809	49809	49809
5°	49874	47624	47094
10°	49743	45177	42996
15°	49638	42219	38408
20°	49553	38509	33958
25°	49728	34893	31060
30°	49791	31993	28824
35°	49916	29947	26906
40°	50169	28091	20501
45°	50087	26383	4770
50°	49893	20201	4297
55°	50178	4946	3933
60°	49998	4509	3207
65°	49329	3807	2646
70°	47481	2954	2069
75°	42780	2199	1506
80°	35429	1475	946
85°	21039	842	425



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.4	4.4
10°-20°	845.9	12.3
20°-30°	1245.9	18.2
30°-40°	1499.6	21.9
40°-50°	1284.3	18.7
50°-60°	831.0	12.1
60°-70°	552.4	8.1
70°-80°	235.6	3.4
80°-90°	65.9	1.0
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°	2390.1	34.8
0°-40°	3889.7	56.7
0°-60°	6005.1	87.6
0°-90°	6859.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6859.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3091	3091	3091	3091	3091	
5°	3095	3105	3134	3170	3166	294
15°	3009	3091	3030	2966	2919	851
25°	2851	2869	2637	2580	2562	1313
35°	2612	2512	2308	2326	2326	1637
45°	2290	2036	2011	1227	419	1765
55°	1893	1606	361	344	340	1692
65°	1410	1012	258	222	218	1390
75°	794	186	132	118	114	841
85°	168	50	43	32	29	215
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3091.1	3091.1	3091.1	3091.1	3091.1
2.5°	3098.2	3087.5	3083.9	3123.3	3126.8
5°	3094.6	3105.4	3134.0	3169.8	3166.2
7.5°	3076.8	3112.5	3134.0	3187.7	3166.2
10°	3062.5	3126.8	3119.7	3123.3	3091.1
12.5°	3041.0	3101.8	3023.1	3076.8	3033.8
15°	3008.8	3091.1	3030.3	2965.9	2919.3
17.5°	2983.7	3069.6	2969.4	2815.6	2808.4
20°	2933.7	2980.2	2847.8	2736.9	2701.1
22.5°	2894.3	2948.0	2719.0	2643.9	2633.1
25°	2851.4	2869.3	2636.7	2579.5	2561.6
27.5°	2790.6	2826.3	2540.1	2511.5	2500.8
30°	2740.5	2740.5	2450.7	2450.7	2443.5
32.5°	2686.8	2626.0	2382.7	2386.3	2386.3
35°	2611.7	2511.5	2307.6	2325.5	2325.5
37.5°	2540.1	2372.0	2232.4	2261.1	2264.6
40°	2468.6	2264.6	2160.9	2193.1	1792.4
42.5°	2368.4	2146.6	2085.8	1688.6	1277.2
45°	2289.7	2035.7	2010.6	1227.1	418.6
47.5°	2200.2	1928.3	1931.9	390.0	386.4
50°	2089.3	1817.4	1513.3	368.5	375.7
52.5°	2007.0	1717.3	1066.1	357.8	361.3
55°	1892.6	1606.4	361.3	343.5	339.9
57.5°	1785.2	1502.6	336.3	318.4	304.1
60°	1663.6	1391.7	318.4	282.6	271.9
62.5°	1538.4	1280.8	293.4	250.4	243.3
65°	1409.6	1012.5	257.6	221.8	218.2
67.5°	1273.6	665.4	218.2	196.8	193.2
70°	1123.4	261.2	189.6	171.7	164.6
72.5°	966.0	225.4	161.0	146.7	139.5
75°	794.2	186.0	132.4	118.1	114.5
77.5°	633.2	139.5	107.3	93.0	89.4
80°	472.2	103.8	82.3	71.6	68.0
82.5°	322.0	75.1	60.8	50.1	46.5
85°	168.1	50.1	42.9	32.2	28.6
87.5°	64.4	32.2	25.0	14.3	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)