

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: P218105

Luminaire Tested: **4SNLED-LD5-56SL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218105
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-56SL-LC-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6069.0 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

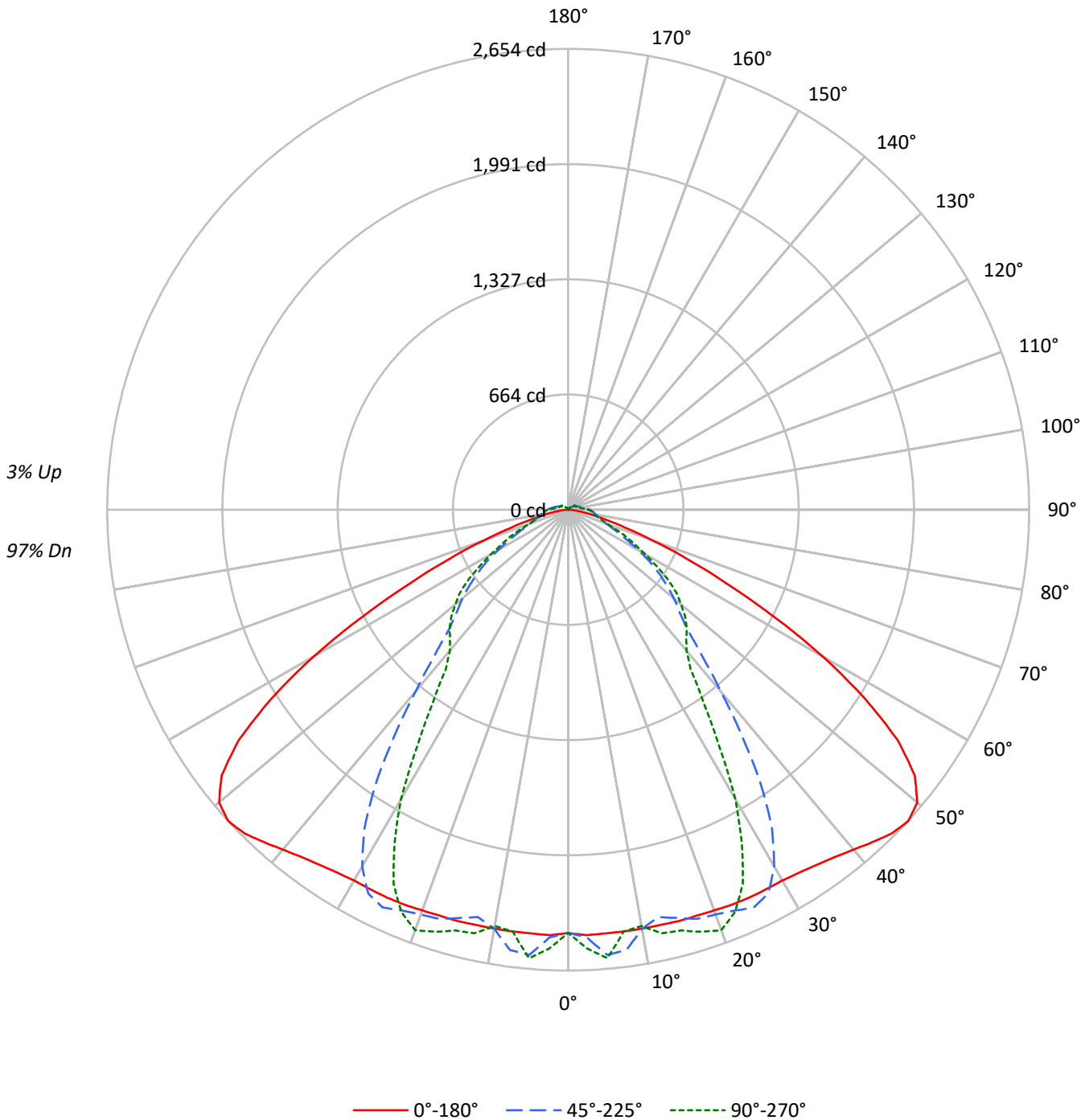
Input Watts (W): 47.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97	
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	57	65	60	57	54	
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	59	54	50	48	
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	54	49	45	43	
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	50	44	40	38	
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	46	40	36	34	
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	43	37	33	31	
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	40	34	30	28	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39269	39269	39269
5°	39477	39108	38558
10°	39786	35472	33855
15°	40462	33909	33002
20°	41479	33542	32394
25°	42989	33443	28835
30°	44785	30963	22705
35°	47705	25140	15733
40°	51925	17758	12108
45°	57656	12629	11001
50°	62645	10610	9693
55°	61403	8713	8082
60°	50945	6594	6042
65°	35201	4772	4442
70°	21914	3627	3045
75°	12373	3094	2410
80°	6985	2893	2073
85°	3104	2803	2078



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.5	3.9
10°-20°	705.5	11.6
20°-30°	1121.1	18.5
30°-40°	1208.8	19.9
40°-50°	1041.9	17.2
50°-60°	788.7	13.0
60°-70°	426.1	7.0
70°-80°	202.4	3.3
80°-90°	127.1	2.1
90°-100°	80.9	1.3
100°-110°	51.7	0.9
110°-120°	34.6	0.6
120°-130°	22.9	0.4
130°-140°	11.2	0.2
140°-150°	4.7	0.1
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2066.2	34.0
0°-40°	3274.9	54.0
0°-60°	5105.6	84.1
0°-90°	5861.1	96.6
90°-120°	167.3	2.8
90°-150°	206.0	3.4
90°-180°	208.0	3.4
0°-180°	6069.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2437	2437	2437	2437	2437	
5°	2450	2502	2574	2608	2592	234
15°	2453	2518	2434	2518	2508	695
25°	2465	2418	2527	2459	2378	1140
35°	2496	2403	1937	1481	1360	1572
45°	2636	1652	962	953	966	2029
55°	2316	714	636	695	698	2014
65°	1006	304	323	363	366	1033
75°	230	158	186	186	183	271
85°	25	96	143	143	140	36
90°	0	74	124	121	112	1
95°	0	59	99	90	84	0
105°	0	37	68	62	56	0
115°	0	22	47	47	47	0
125°	0	12	31	40	37	0
135°	0	6	19	22	22	0
145°	0	3	9	12	9	0
155°	0	3	3	6	3	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2437.0	2437.0	2437.0	2437.0	2437.0
2.5°	2452.6	2455.7	2465.0	2511.5	2530.2
5°	2449.5	2502.2	2573.6	2607.8	2592.3
7.5°	2449.5	2558.1	2558.1	2492.9	2449.5
10°	2449.5	2589.2	2449.5	2437.0	2433.9
12.5°	2449.5	2570.5	2402.9	2489.8	2499.1
15°	2452.6	2517.8	2433.9	2517.8	2508.4
17.5°	2452.6	2455.7	2471.2	2536.4	2548.8
20°	2455.7	2415.3	2480.5	2586.1	2576.7
22.5°	2461.9	2409.1	2499.1	2564.3	2508.4
25°	2465.0	2418.4	2527.1	2458.8	2378.1
27.5°	2465.0	2430.8	2492.9	2297.3	2163.8
30°	2465.0	2437.0	2371.8	2073.8	1924.8
32.5°	2477.4	2430.8	2185.6	1782.0	1620.6
35°	2496.0	2402.9	1937.2	1480.9	1359.8
37.5°	2520.9	2328.4	1645.4	1238.7	1158.0
40°	2555.0	2166.9	1366.0	1083.5	1058.6
42.5°	2595.4	1931.0	1136.3	1005.9	1005.9
45°	2635.7	1651.6	962.4	953.1	965.5
47.5°	2654.4	1378.4	866.2	900.3	912.7
50°	2623.3	1123.8	794.8	841.3	847.5
52.5°	2514.7	897.2	714.0	769.9	785.4
55°	2316.0	714.0	636.4	695.4	698.5
57.5°	2027.2	568.1	555.7	602.3	599.2
60°	1695.1	459.5	465.7	512.2	512.2
62.5°	1338.0	372.5	391.2	431.5	428.4
65°	1005.9	304.2	322.9	363.2	366.3
67.5°	742.0	251.5	273.2	301.1	294.9
70°	518.5	211.1	232.8	248.4	242.2
72.5°	344.6	180.1	204.9	211.1	208.0
75°	229.7	158.3	186.3	186.3	183.2
77.5°	149.0	139.7	173.9	170.7	164.5
80°	93.1	124.2	161.4	155.2	149.0
82.5°	55.9	108.7	152.1	145.9	139.7
85°	24.8	96.2	142.8	142.8	139.7
87.5°	9.3	86.9	133.5	136.6	130.4
90°	0.0	74.5	124.2	121.1	111.8
92.5°	0.0	68.3	111.8	102.4	96.2
95°	0.0	59.0	99.3	90.0	83.8
97.5°	0.0	52.8	90.0	80.7	74.5
100°	0.0	46.6	80.7	71.4	65.2
102.5°	0.0	40.4	74.5	65.2	62.1
105°	0.0	37.3	68.3	62.1	55.9
107.5°	0.0	34.1	62.1	55.9	52.8
110°	0.0	27.9	55.9	52.8	49.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.8	49.7	49.7	49.7
115°	0.0	21.7	46.6	46.6	46.6
117.5°	0.0	18.6	40.4	46.6	46.6
120°	0.0	18.6	37.3	43.5	43.5
122.5°	0.0	15.5	34.1	43.5	43.5
125°	0.0	12.4	31.0	40.4	37.3
127.5°	0.0	9.3	27.9	34.1	34.1
130°	0.0	9.3	24.8	31.0	27.9
132.5°	0.0	6.2	21.7	24.8	24.8
135°	0.0	6.2	18.6	21.7	21.7
137.5°	0.0	6.2	15.5	18.6	15.5
140°	0.0	3.1	12.4	15.5	12.4
142.5°	0.0	3.1	12.4	15.5	12.4
145°	0.0	3.1	9.3	12.4	9.3
147.5°	0.0	3.1	6.2	9.3	9.3
150°	0.0	3.1	6.2	9.3	6.2
152.5°	0.0	3.1	6.2	6.2	3.1
155°	0.0	3.1	3.1	6.2	3.1
157.5°	0.0	3.1	3.1	3.1	3.1
160°	3.1	3.1	3.1	3.1	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)