

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: P218104

Luminaire Tested: **4SNLED-LD5-56SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218104
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5950.0 lumens
Efficiency: N/A
Efficacy: 126.3 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

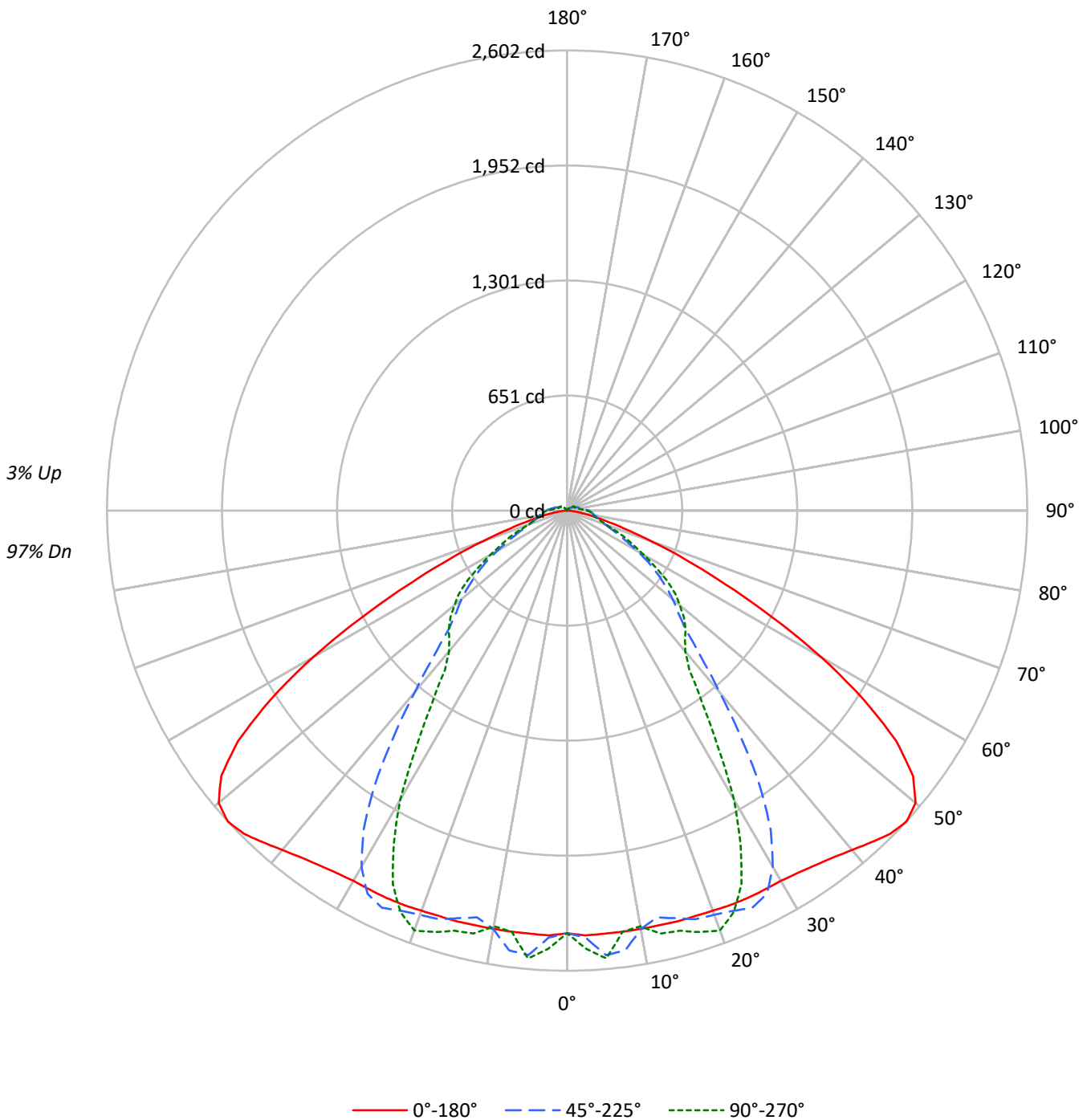
Input Watts (W): 47.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	57	54
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	48
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	43
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	38
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	34
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	38500	38500	38500
5°	38702	38342	37801
10°	39005	34775	33191
15°	39668	33245	32356
20°	40665	32885	31759
25°	42145	32787	28269
30°	43906	30356	22260
35°	46770	24647	15424
40°	50907	17409	11871
45°	56525	12381	10786
50°	61417	10402	9503
55°	60199	8542	7923
60°	49944	6464	5924
65°	34508	4678	4354
70°	21483	3557	2985
75°	12130	3032	2363
80°	6850	2837	2032
85°	3041	2748	2038



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.8	3.9
10°-20°	691.7	11.6
20°-30°	1099.1	18.5
30°-40°	1185.1	19.9
40°-50°	1021.4	17.2
50°-60°	773.3	13.0
60°-70°	417.7	7.0
70°-80°	198.4	3.3
80°-90°	124.6	2.1
90°-100°	79.3	1.3
100°-110°	50.7	0.9
110°-120°	34.0	0.6
120°-130°	22.4	0.4
130°-140°	11.0	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°	2025.6	34.0
0°-40°	3210.7	54.0
0°-60°	5005.4	84.1
0°-90°	5746.2	96.6
90°-120°	164.0	2.8
90°-150°	202.0	3.4
90°-180°	204.0	3.4
0°-180°	5950.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2389	2389	2389	2389	2389	
5°	2401	2453	2523	2557	2541	229
15°	2404	2468	2386	2468	2459	681
25°	2417	2371	2478	2411	2331	1118
35°	2447	2356	1899	1452	1333	1541
45°	2584	1619	944	934	947	1989
55°	2271	700	624	682	685	1975
65°	986	298	316	356	359	1013
75°	225	155	183	183	180	265
85°	24	94	140	140	137	35
90°	0	73	122	119	110	1
95°	0	58	97	88	82	0
105°	0	36	67	61	55	0
115°	0	21	46	46	46	0
125°	0	12	30	40	36	0
135°	0	6	18	21	21	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°	2389.3	2389.3	2389.3	2389.3	2389.3
2.5°	2404.5	2407.5	2416.6	2462.3	2480.6
5°	2401.4	2453.2	2523.2	2556.7	2541.4
7.5°	2401.4	2508.0	2508.0	2444.0	2401.4
10°	2401.4	2538.4	2401.4	2389.3	2386.2
12.5°	2401.4	2520.1	2355.8	2441.0	2450.1
15°	2404.5	2468.4	2386.2	2468.4	2459.3
17.5°	2404.5	2407.5	2422.7	2486.7	2498.8
20°	2407.5	2368.0	2431.9	2535.4	2526.2
22.5°	2413.6	2361.9	2450.1	2514.0	2459.3
25°	2416.6	2371.0	2477.5	2410.6	2331.4
27.5°	2416.6	2383.2	2444.0	2252.3	2121.4
30°	2416.6	2389.3	2325.3	2033.2	1887.1
32.5°	2428.8	2383.2	2142.7	1747.0	1588.8
35°	2447.1	2355.8	1899.2	1451.8	1333.1
37.5°	2471.4	2282.7	1613.1	1214.4	1135.3
40°	2504.9	2124.5	1339.2	1062.2	1037.9
42.5°	2544.5	1893.1	1114.0	986.1	986.1
45°	2584.0	1619.2	943.5	934.4	946.6
47.5°	2602.3	1351.4	849.2	882.7	894.8
50°	2571.9	1101.8	779.2	824.8	830.9
52.5°	2465.3	879.6	700.0	754.8	770.0
55°	2270.6	700.0	623.9	681.8	684.8
57.5°	1987.5	557.0	544.8	590.5	587.4
60°	1661.8	450.5	456.5	502.2	502.2
62.5°	1311.8	365.2	383.5	423.1	420.0
65°	986.1	298.3	316.5	356.1	359.1
67.5°	727.4	246.5	267.8	295.2	289.1
70°	508.3	207.0	228.3	243.5	237.4
72.5°	337.8	176.5	200.9	207.0	203.9
75°	225.2	155.2	182.6	182.6	179.6
77.5°	146.1	137.0	170.4	167.4	161.3
80°	91.3	121.7	158.3	152.2	146.1
82.5°	54.8	106.5	149.1	143.1	137.0
85°	24.3	94.4	140.0	140.0	137.0
87.5°	9.1	85.2	130.9	133.9	127.8
90°	0.0	73.0	121.7	118.7	109.6
92.5°	0.0	67.0	109.6	100.4	94.4
95°	0.0	57.8	97.4	88.3	82.2
97.5°	0.0	51.7	88.3	79.1	73.0
100°	0.0	45.7	79.1	70.0	63.9
102.5°	0.0	39.6	73.0	63.9	60.9
105°	0.0	36.5	67.0	60.9	54.8
107.5°	0.0	33.5	60.9	54.8	51.7
110°	0.0	27.4	54.8	51.7	48.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.3	48.7	48.7	48.7
115°	0.0	21.3	45.7	45.7	45.7
117.5°	0.0	18.3	39.6	45.7	45.7
120°	0.0	18.3	36.5	42.6	42.6
122.5°	0.0	15.2	33.5	42.6	42.6
125°	0.0	12.2	30.4	39.6	36.5
127.5°	0.0	9.1	27.4	33.5	33.5
130°	0.0	9.1	24.3	30.4	27.4
132.5°	0.0	6.1	21.3	24.3	24.3
135°	0.0	6.1	18.3	21.3	21.3
137.5°	0.0	6.1	15.2	18.3	15.2
140°	0.0	3.0	12.2	15.2	12.2
142.5°	0.0	3.0	12.2	15.2	12.2
145°	0.0	3.0	9.1	12.2	9.1
147.5°	0.0	3.0	6.1	9.1	9.1
150°	0.0	3.0	6.1	9.1	6.1
152.5°	0.0	3.0	6.1	6.1	3.0
155°	0.0	3.0	3.0	6.1	3.0
157.5°	0.0	3.0	3.0	3.0	3.0
160°	3.0	3.0	3.0	3.0	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)