

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: P218229

Luminaire Tested: **4SNLED-LD5-60HL-LN-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-60HL-LN-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5862.0 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

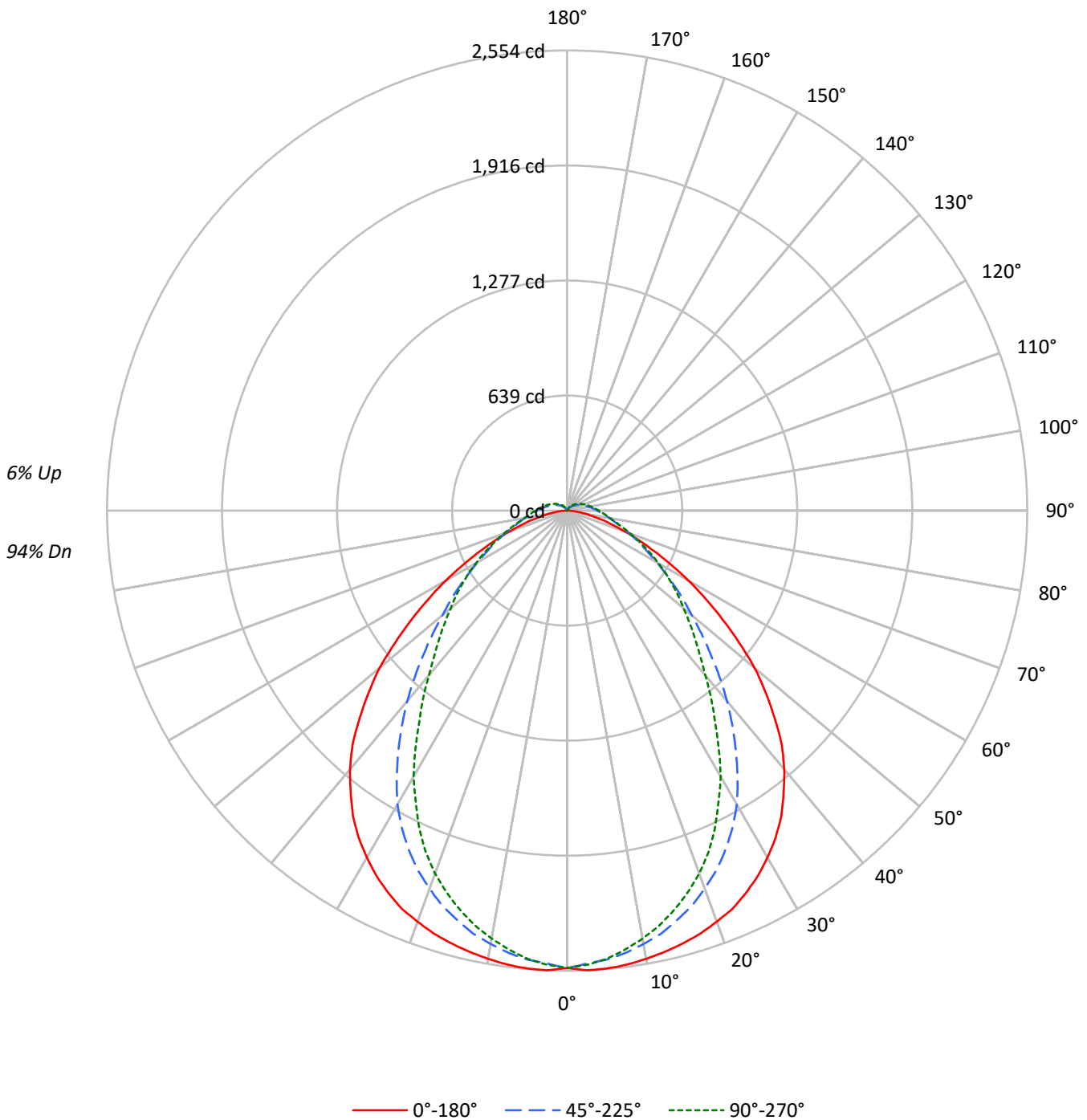
Input Watts (W): 43
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	40908	40908	40908
5°	41113	38014	37162
10°	41034	35376	33551
15°	41016	32788	30191
20°	41003	30194	26947
25°	40881	27506	23555
30°	40401	24593	20110
35°	39607	21203	16544
40°	38099	17946	13635
45°	35604	14752	11436
50°	32451	12038	9643
55°	27923	9937	8218
60°	23391	8134	6885
65°	18589	6756	5692
70°	14488	5678	4698
75°	10978	4821	3901
80°	7646	4262	3351
85°	4643	3880	3031



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.7	4.1
10°-20°	669.8	11.4
20°-30°	970.0	16.5
30°-40°	1055.7	18.0
40°-50°	937.6	16.0
50°-60°	713.7	12.2
60°-70°	473.8	8.1
70°-80°	288.7	4.9
80°-90°	178.9	3.1
90°-100°	122.2	2.1
100°-110°	85.8	1.5
110°-120°	58.4	1.0
120°-130°	37.0	0.6
130°-140°	21.1	0.4
140°-150°	9.9	0.2
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1878.5	32.0
0°-40°	2934.2	50.1
0°-60°	4585.4	78.2
0°-90°	5526.9	94.3
90°-120°	266.4	4.5
90°-150°	334.4	5.7
90°-180°	335.0	5.7
0°-180°	5862.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2539	2539	2539	2539	2539	
5°	2551	2536	2502	2514	2498	243
15°	2486	2443	2353	2326	2295	702
25°	2344	2239	2078	1995	1943	1079
35°	2072	1887	1634	1492	1430	1291
45°	1628	1384	1124	1028	1004	1253
55°	1053	856	726	713	710	945
65°	531	457	457	476	469	536
75°	204	232	290	306	296	220
85°	37	117	198	210	204	44
90°	0	86	167	182	176	3
95°	0	68	142	158	154	0
105°	0	43	102	117	117	0
115°	0	28	74	90	86	0
125°	0	18	49	62	62	0
135°	0	12	34	43	43	0
145°	0	6	18	25	25	0
155°	0	0	0	0	0	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°	2538.7	2538.7	2538.7	2538.7	2538.7
2.5°	2554.1	2541.8	2517.1	2532.5	2523.2
5°	2551.0	2535.6	2501.6	2514.0	2498.5
7.5°	2541.8	2523.2	2476.9	2483.1	2458.4
10°	2526.3	2501.6	2442.9	2436.8	2412.1
12.5°	2507.8	2476.9	2405.9	2384.3	2359.6
15°	2486.2	2442.9	2353.4	2325.6	2294.7
17.5°	2461.5	2402.8	2300.9	2257.6	2223.7
20°	2427.5	2356.5	2232.9	2180.4	2143.4
22.5°	2393.5	2300.9	2161.9	2090.9	2050.7
25°	2344.1	2239.1	2078.5	1995.1	1942.6
27.5°	2288.5	2168.1	1985.9	1877.8	1819.1
30°	2223.7	2084.7	1883.9	1757.3	1704.8
32.5°	2152.6	1992.0	1760.4	1624.5	1565.8
35°	2072.3	1887.0	1633.8	1491.7	1429.9
37.5°	1973.5	1772.8	1507.2	1362.0	1312.6
40°	1874.7	1652.3	1380.5	1244.6	1192.1
42.5°	1763.5	1519.5	1250.8	1127.3	1090.2
45°	1627.6	1383.6	1124.2	1028.4	1003.7
47.5°	1494.8	1244.6	1009.9	942.0	920.4
50°	1358.9	1108.7	901.8	858.6	843.1
52.5°	1201.4	975.9	812.3	784.5	778.3
55°	1053.2	855.5	725.8	713.4	710.3
57.5°	911.1	741.2	645.5	654.7	648.6
60°	778.3	636.2	574.4	586.8	583.7
62.5°	648.6	540.5	509.6	534.3	528.1
65°	531.2	457.1	457.1	475.6	469.4
67.5°	429.3	389.1	407.7	426.2	420.0
70°	342.8	327.4	364.4	379.9	373.7
72.5°	265.6	274.9	321.2	339.7	330.5
75°	203.8	231.6	290.3	305.8	296.5
77.5°	145.2	194.6	262.5	274.9	265.6
80°	101.9	163.7	237.8	250.2	240.9
82.5°	64.9	139.0	216.2	228.5	222.4
85°	37.1	117.4	197.7	210.0	203.8
87.5°	18.5	101.9	179.1	194.6	188.4
90°	0.0	86.5	166.8	182.2	176.0
92.5°	0.0	77.2	154.4	169.9	163.7
95°	0.0	67.9	142.1	157.5	154.4
97.5°	0.0	61.8	132.8	148.2	142.1
100°	0.0	52.5	120.4	135.9	132.8
102.5°	0.0	49.4	111.2	126.6	123.5
105°	0.0	43.2	101.9	117.4	117.4
107.5°	0.0	40.1	95.7	111.2	108.1
110°	0.0	34.0	86.5	101.9	101.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.9	80.3	95.7	92.7
115°	0.0	27.8	74.1	89.6	86.5
117.5°	0.0	27.8	67.9	80.3	80.3
120°	0.0	24.7	61.8	74.1	74.1
122.5°	0.0	21.6	55.6	67.9	67.9
125°	0.0	18.5	49.4	61.8	61.8
127.5°	0.0	18.5	46.3	58.7	58.7
130°	0.0	15.4	40.1	52.5	52.5
132.5°	0.0	12.4	37.1	46.3	46.3
135°	0.0	12.4	34.0	43.2	43.2
137.5°	0.0	9.3	27.8	37.1	37.1
140°	0.0	9.3	24.7	34.0	34.0
142.5°	0.0	6.2	21.6	30.9	27.8
145°	0.0	6.2	18.5	24.7	24.7
147.5°	0.0	3.1	15.4	21.6	21.6
150°	0.0	3.1	12.4	18.5	15.4
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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)