

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: P217957

Luminaire Tested: **4SNLED-LD5-40SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-40SL-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4084.0 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

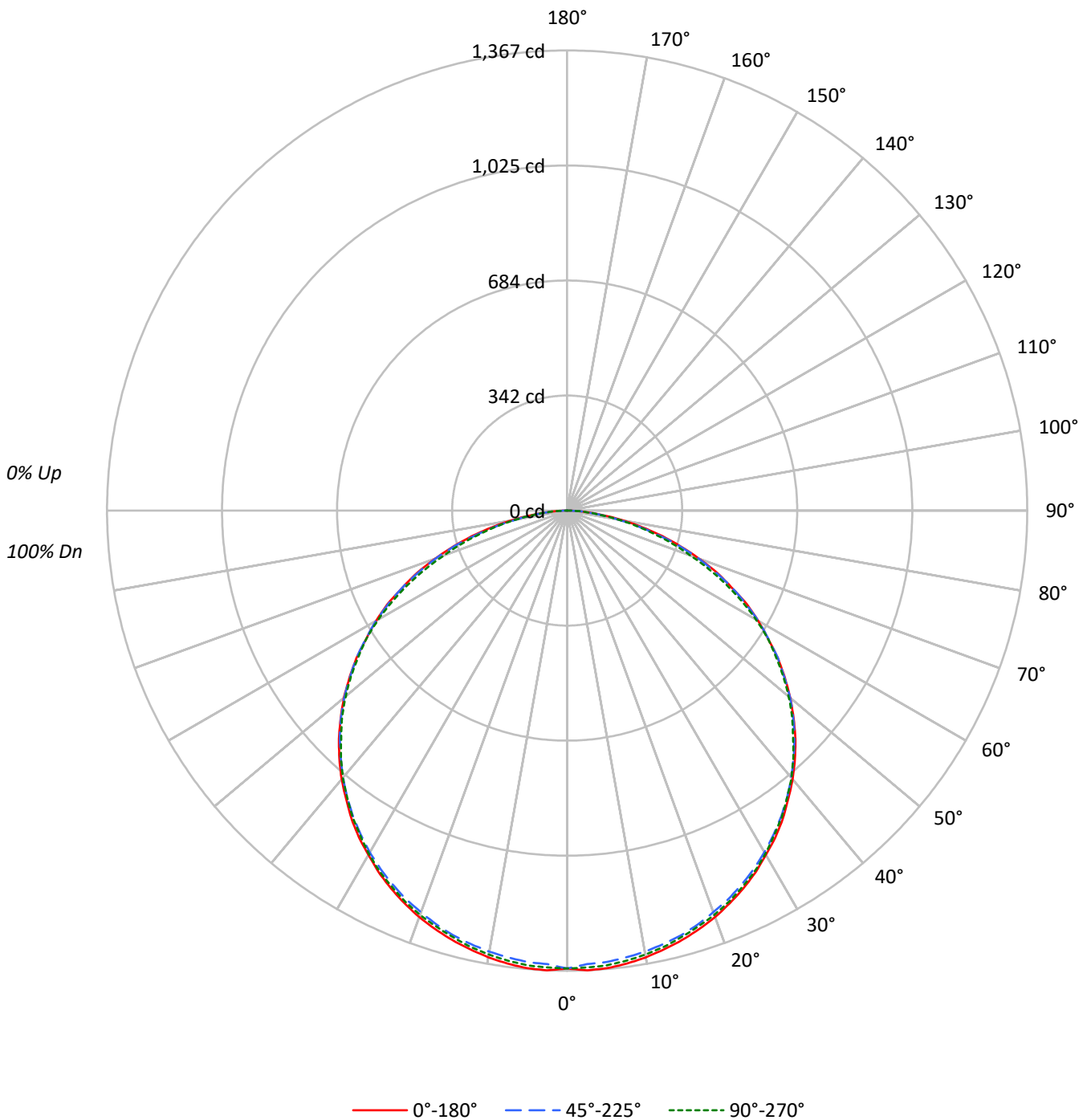
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21916	21916	21916
5°	21989	20454	20168
10°	21885	19267	18625
15°	21787	18202	17263
20°	21710	17169	16069
25°	21603	16225	14951
30°	21453	15304	13895
35°	21352	14388	12861
40°	21185	13459	11857
45°	20978	12529	10814
50°	20675	11539	9821
55°	20258	10461	8758
60°	19697	9281	7647
65°	18831	7974	6337
70°	17612	6447	4901
75°	15750	4645	3512
80°	12612	2760	2181
85°	7772	1191	882



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.9	3.2
10°-20°	371.1	9.1
20°-30°	568.5	13.9
30°-40°	695.9	17.0
40°-50°	736.4	18.0
50°-60°	681.1	16.7
60°-70°	528.9	12.9
70°-80°	297.9	7.3
80°-90°	75.3	1.8
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°	1068.5	26.2
0°-40°	1764.4	43.2
0°-60°	3181.9	77.9
0°-90°	4084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4084.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1360	1360	1360	1360	1360	
5°	1364	1359	1346	1359	1356	130
15°	1321	1316	1306	1318	1312	373
25°	1239	1234	1226	1236	1233	571
35°	1117	1113	1109	1112	1112	699
45°	959	958	955	953	949	739
55°	764	767	764	761	757	682
65°	538	542	540	532	523	534
75°	292	292	280	273	267	308
85°	62	62	61	61	59	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1360.1	1360.1	1360.1	1360.1	1360.1
2.5°	1367.2	1361.6	1348.8	1361.6	1358.7
5°	1364.4	1358.7	1346.0	1358.7	1355.9
7.5°	1357.3	1353.1	1339.0	1351.7	1348.8
10°	1347.4	1343.2	1330.5	1343.2	1339.0
12.5°	1334.7	1330.5	1319.2	1330.5	1327.7
15°	1320.6	1316.4	1306.5	1317.8	1312.1
17.5°	1303.6	1300.8	1289.5	1300.8	1295.2
20°	1285.3	1279.6	1269.7	1281.0	1278.2
22.5°	1262.7	1259.9	1250.0	1259.9	1257.0
25°	1238.7	1234.4	1226.0	1235.9	1233.0
27.5°	1211.8	1209.0	1200.5	1207.6	1207.6
30°	1180.8	1179.4	1172.3	1179.4	1177.9
32.5°	1151.1	1148.3	1141.2	1146.9	1144.0
35°	1117.2	1113.0	1108.7	1111.6	1111.6
37.5°	1079.1	1077.7	1073.4	1077.7	1073.4
40°	1042.4	1039.5	1035.3	1036.7	1036.7
42.5°	1001.4	1000.0	995.7	995.7	994.3
45°	959.0	957.6	954.8	953.4	949.1
47.5°	912.4	911.0	911.0	909.6	906.8
50°	865.8	865.8	864.4	860.2	858.7
52.5°	815.0	817.8	813.5	810.7	809.3
55°	764.1	766.9	764.1	761.3	757.0
57.5°	707.6	713.3	709.0	707.6	706.2
60°	655.4	658.2	655.4	651.1	648.3
62.5°	601.7	601.7	597.4	594.6	586.1
65°	538.1	542.4	539.5	532.5	522.6
67.5°	481.6	478.8	476.0	467.5	456.2
70°	416.7	418.1	413.8	401.1	389.8
72.5°	354.5	357.3	348.9	331.9	329.1
75°	292.4	292.4	279.7	272.6	266.9
77.5°	228.8	230.2	213.3	211.9	210.4
80°	168.1	170.9	154.0	158.2	156.8
82.5°	114.4	111.6	104.5	104.5	103.1
85°	62.1	62.1	60.7	60.7	59.3
87.5°	24.0	25.4	28.2	31.1	29.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)