

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: P217931

Luminaire Tested: **2SNLED-LD5-37HL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217931
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: 2SNLED-LD5-37HL-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3530.0 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

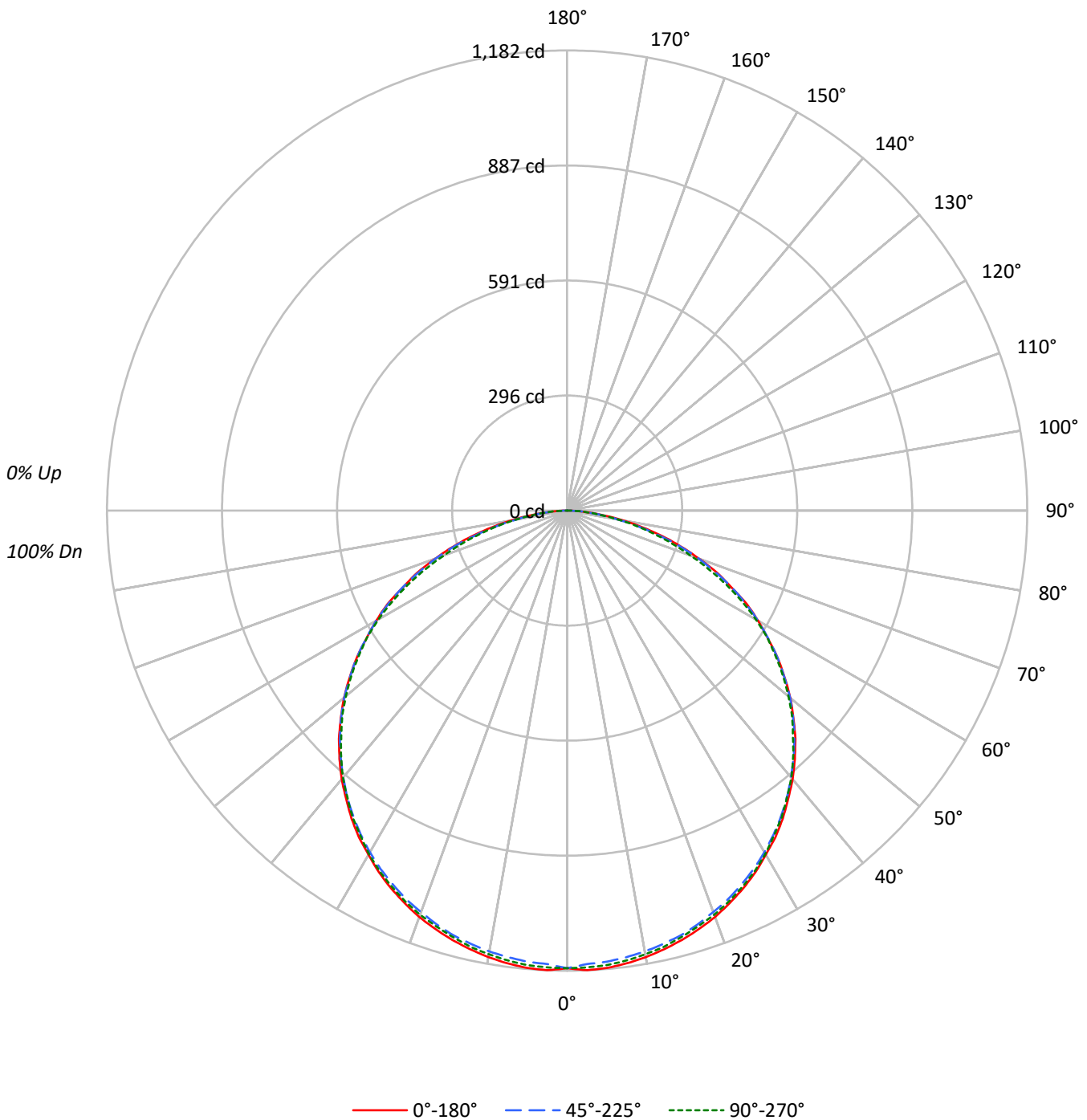
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37886	37886	37886
5°	37874	35272	34864
10°	37561	33154	32195
15°	37252	31258	29842
20°	36975	29432	27779
25°	36643	27763	25846
30°	36233	26144	24021
35°	35894	24538	22233
40°	35423	22916	20498
45°	34867	21297	18695
50°	34126	19580	16980
55°	33157	17721	15143
60°	31900	15691	13221
65°	30080	13454	10954
70°	27599	10855	8471
75°	23990	7798	6071
80°	18300	4621	3769
85°	10160	1990	1526



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.4	3.2
10°-20°	320.7	9.1
20°-30°	491.4	13.9
30°-40°	601.5	17.0
40°-50°	636.5	18.0
50°-60°	588.7	16.7
60°-70°	457.1	12.9
70°-80°	257.5	7.3
80°-90°	65.1	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°	923.6	26.2
0°-40°	1525.1	43.2
0°-60°	2750.3	77.9
0°-90°	3530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3530.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1176	1176	1176	1176	1176	
5°	1179	1174	1163	1174	1172	112
15°	1142	1138	1129	1139	1134	322
25°	1071	1067	1060	1068	1066	494
35°	966	962	958	961	961	604
45°	829	828	825	824	820	639
55°	660	663	660	658	654	589
65°	465	469	466	460	452	461
75°	253	253	242	236	231	266
85°	54	54	52	52	51	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1175.6	1175.6	1175.6	1175.6	1175.6
2.5°	1181.7	1176.9	1165.9	1176.9	1174.4
5°	1179.3	1174.4	1163.4	1174.4	1172.0
7.5°	1173.2	1169.5	1157.3	1168.3	1165.9
10°	1164.7	1161.0	1150.0	1161.0	1157.3
12.5°	1153.7	1150.0	1140.2	1150.0	1147.6
15°	1141.5	1137.8	1129.2	1139.0	1134.1
17.5°	1126.8	1124.4	1114.6	1124.4	1119.5
20°	1110.9	1106.1	1097.5	1107.3	1104.8
22.5°	1091.4	1089.0	1080.4	1089.0	1086.5
25°	1070.6	1067.0	1059.7	1068.2	1065.8
27.5°	1047.5	1045.0	1037.7	1043.8	1043.8
30°	1020.6	1019.4	1013.3	1019.4	1018.2
32.5°	995.0	992.5	986.4	991.3	988.9
35°	965.7	962.0	958.3	960.8	960.8
37.5°	932.7	931.5	927.8	931.5	927.8
40°	901.0	898.5	894.9	896.1	896.1
42.5°	865.6	864.3	860.7	860.7	859.4
45°	828.9	827.7	825.3	824.0	820.4
47.5°	788.6	787.4	787.4	786.2	783.8
50°	748.4	748.4	747.1	743.5	742.3
52.5°	704.4	706.8	703.2	700.7	699.5
55°	660.5	662.9	660.5	658.0	654.4
57.5°	611.6	616.5	612.8	611.6	610.4
60°	566.5	568.9	566.5	562.8	560.4
62.5°	520.1	520.1	516.4	514.0	506.6
65°	465.1	468.8	466.3	460.2	451.7
67.5°	416.3	413.9	411.4	404.1	394.3
70°	360.1	361.4	357.7	346.7	336.9
72.5°	306.4	308.9	301.5	286.9	284.4
75°	252.7	252.7	241.7	235.6	230.7
77.5°	197.8	199.0	184.3	183.1	181.9
80°	145.3	147.7	133.1	136.7	135.5
82.5°	98.9	96.4	90.3	90.3	89.1
85°	53.7	53.7	52.5	52.5	51.3
87.5°	20.8	22.0	24.4	26.9	25.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)