

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: P217932

Luminaire Tested: **2SNLED-LD5-37HL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217932
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3750.0 lumens
Efficiency: N/A
Efficacy: 144.8 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

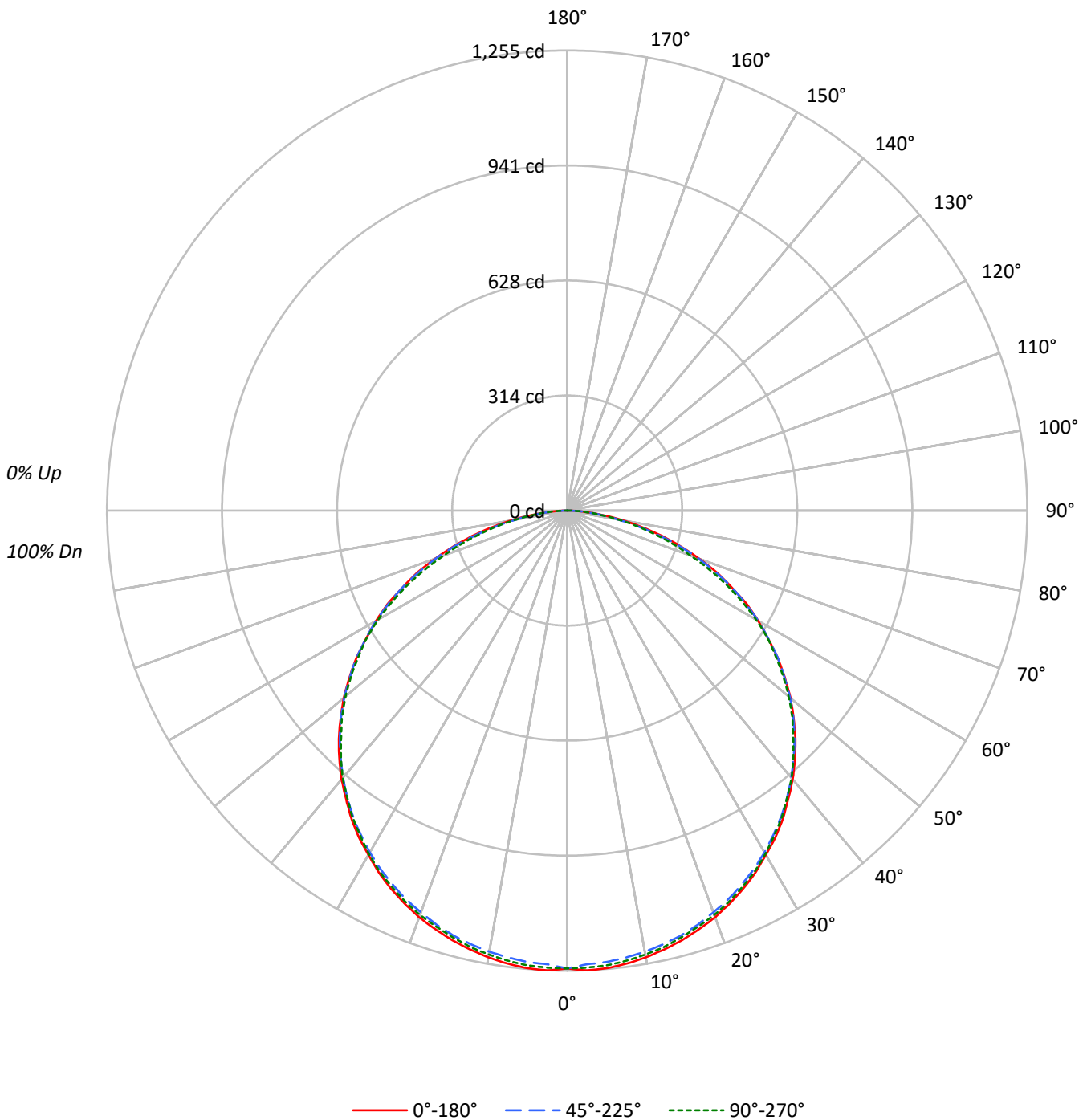
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	40249	40249	40249
5°	40235	37470	37036
10°	39899	35221	34204
15°	39572	33207	31702
20°	39282	31266	29511
25°	38929	29492	27457
30°	38491	27772	25517
35°	38128	26069	23619
40°	37629	24342	21775
45°	37041	22624	19860
50°	36251	20801	18037
55°	35220	18824	16084
60°	33888	16669	14044
65°	31956	14293	11638
70°	29324	11532	8999
75°	25490	8285	6449
80°	19434	4910	4006
85°	10803	2115	1621



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	3.2
10°-20°	340.7	9.1
20°-30°	522.0	13.9
30°-40°	639.0	17.0
40°-50°	676.2	18.0
50°-60°	625.4	16.7
60°-70°	485.6	13.0
70°-80°	273.5	7.3
80°-90°	69.2	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°	981.1	26.2
0°-40°	1620.1	43.2
0°-60°	2921.6	77.9
0°-90°	3750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3750.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1249	1249	1249	1249	1249	
5°	1253	1248	1236	1248	1245	119
15°	1213	1209	1200	1210	1205	342
25°	1137	1134	1126	1135	1132	524
35°	1026	1022	1018	1021	1021	641
45°	881	879	877	875	872	679
55°	702	704	702	699	695	626
65°	494	498	495	489	480	490
75°	268	268	257	250	245	283
85°	57	57	56	56	54	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1248.9	1248.9	1248.9	1248.9	1248.9
2.5°	1255.4	1250.2	1238.5	1250.2	1247.6
5°	1252.8	1247.6	1235.9	1247.6	1245.0
7.5°	1246.3	1242.4	1229.5	1241.1	1238.5
10°	1237.2	1233.3	1221.7	1233.3	1229.5
12.5°	1225.6	1221.7	1211.3	1221.7	1219.1
15°	1212.6	1208.7	1199.6	1210.0	1204.8
17.5°	1197.0	1194.4	1184.1	1194.4	1189.2
20°	1180.2	1175.0	1165.9	1176.3	1173.7
22.5°	1159.4	1156.8	1147.7	1156.8	1154.2
25°	1137.4	1133.5	1125.7	1134.8	1132.2
27.5°	1112.7	1110.1	1102.4	1108.8	1108.8
30°	1084.2	1082.9	1076.4	1082.9	1081.6
32.5°	1057.0	1054.4	1047.9	1053.1	1050.5
35°	1025.8	1022.0	1018.1	1020.7	1020.7
37.5°	990.8	989.5	985.6	989.5	985.6
40°	957.1	954.5	950.6	951.9	951.9
42.5°	919.5	918.2	914.3	914.3	913.0
45°	880.6	879.3	876.7	875.4	871.5
47.5°	837.8	836.5	836.5	835.2	832.6
50°	795.0	795.0	793.7	789.8	788.5
52.5°	748.3	750.9	747.0	744.4	743.1
55°	701.6	704.2	701.6	699.0	695.1
57.5°	649.7	654.9	651.0	649.7	648.4
60°	601.8	604.4	601.8	597.9	595.3
62.5°	552.5	552.5	548.6	546.0	538.2
65°	494.1	498.0	495.4	488.9	479.9
67.5°	442.2	439.6	437.1	429.3	418.9
70°	382.6	383.9	380.0	368.3	357.9
72.5°	325.5	328.1	320.3	304.8	302.2
75°	268.5	268.5	256.8	250.3	245.1
77.5°	210.1	211.4	195.8	194.5	193.2
80°	154.3	156.9	141.4	145.3	144.0
82.5°	105.0	102.5	96.0	96.0	94.7
85°	57.1	57.1	55.8	55.8	54.5
87.5°	22.0	23.3	25.9	28.5	27.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)