

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: P217933

Luminaire Tested: **2SNLED-LD5-37HL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217933
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3825.0 lumens
Efficiency: N/A
Efficacy: 147.7 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

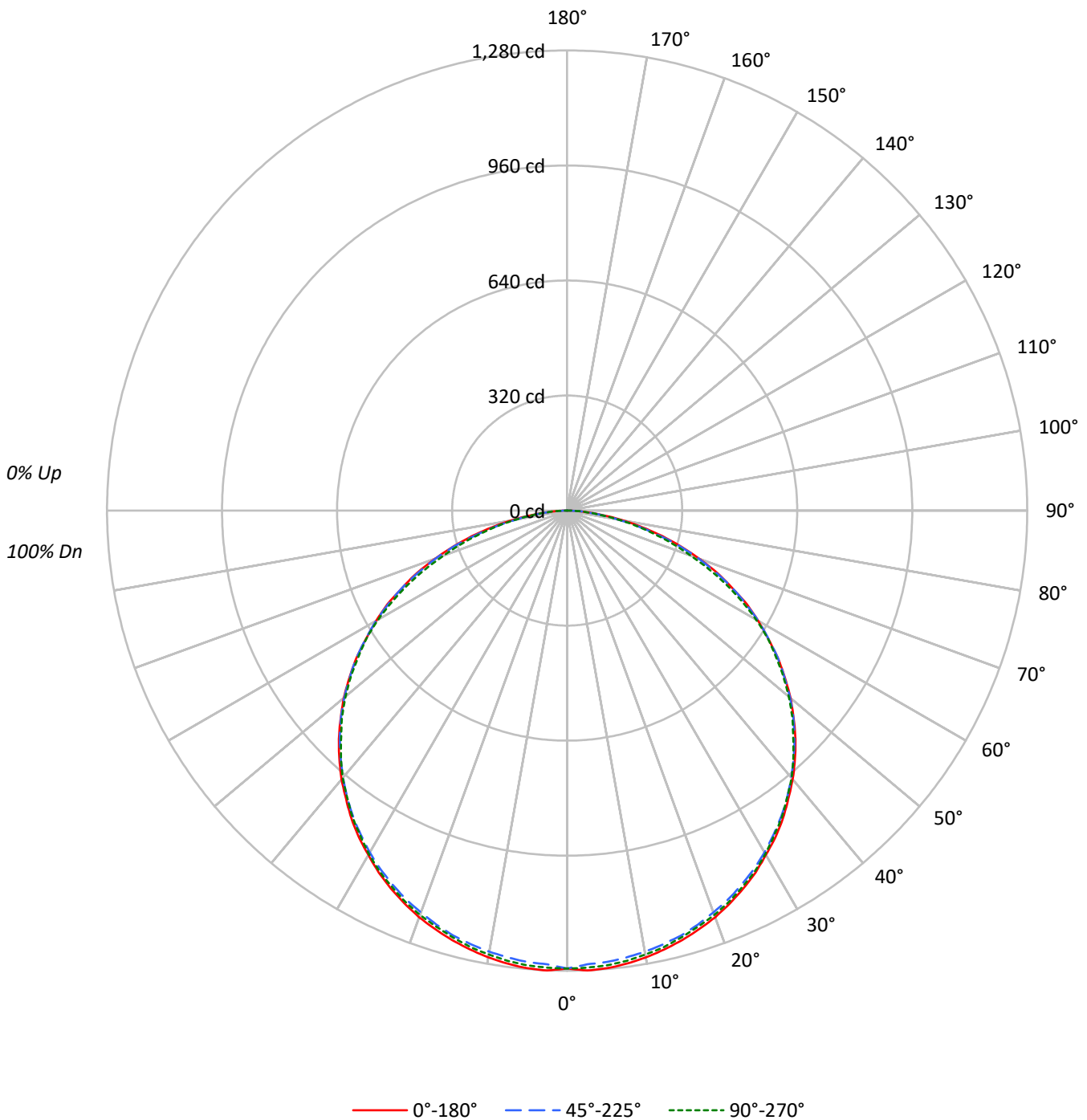
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	41054	41054	41054
5°	41041	38222	37777
10°	40699	35925	34885
15°	40362	33871	32337
20°	40067	31891	30102
25°	39706	30082	28005
30°	39261	28326	26027
35°	38894	26589	24091
40°	38379	24829	22212
45°	37782	23075	20256
50°	36976	21218	18399
55°	35928	19202	16406
60°	34563	17001	14325
65°	32596	14579	11868
70°	29906	11762	9180
75°	25993	8450	6578
80°	19824	5007	4084
85°	11011	2156	1654



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	3.2
10°-20°	347.5	9.1
20°-30°	532.5	13.9
30°-40°	651.7	17.0
40°-50°	689.7	18.0
50°-60°	637.9	16.7
60°-70°	495.3	12.9
70°-80°	279.0	7.3
80°-90°	70.6	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°	1000.7	26.2
0°-40°	1652.5	43.2
0°-60°	2980.1	77.9
0°-90°	3825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3825.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1274	1274	1274	1274	1274	
5°	1278	1273	1261	1273	1270	121
15°	1237	1233	1224	1234	1229	349
25°	1160	1156	1148	1158	1155	535
35°	1046	1042	1038	1041	1041	654
45°	898	897	894	893	889	692
55°	716	718	716	713	709	638
65°	504	508	505	499	489	500
75°	274	274	262	255	250	288
85°	58	58	57	57	56	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1273.9	1273.9	1273.9	1273.9	1273.9
2.5°	1280.5	1275.2	1263.3	1275.2	1272.6
5°	1277.9	1272.6	1260.7	1272.6	1269.9
7.5°	1271.2	1267.3	1254.0	1265.9	1263.3
10°	1262.0	1258.0	1246.1	1258.0	1254.0
12.5°	1250.1	1246.1	1235.5	1246.1	1243.5
15°	1236.8	1232.9	1223.6	1234.2	1228.9
17.5°	1221.0	1218.3	1207.7	1218.3	1213.0
20°	1203.8	1198.5	1189.2	1199.8	1197.2
22.5°	1182.6	1180.0	1170.7	1180.0	1177.3
25°	1160.1	1156.2	1148.2	1157.5	1154.8
27.5°	1135.0	1132.3	1124.4	1131.0	1131.0
30°	1105.9	1104.6	1097.9	1104.6	1103.2
32.5°	1078.1	1075.5	1068.8	1074.1	1071.5
35°	1046.4	1042.4	1038.4	1041.1	1041.1
37.5°	1010.6	1009.3	1005.4	1009.3	1005.4
40°	976.2	973.6	969.6	971.0	971.0
42.5°	937.9	936.6	932.6	932.6	931.3
45°	898.2	896.9	894.2	892.9	888.9
47.5°	854.5	853.2	853.2	851.9	849.3
50°	810.9	810.9	809.6	805.6	804.3
52.5°	763.3	765.9	762.0	759.3	758.0
55°	715.7	718.3	715.7	713.0	709.0
57.5°	662.7	668.0	664.1	662.7	661.4
60°	613.8	616.4	613.8	609.8	607.2
62.5°	563.5	563.5	559.6	556.9	549.0
65°	504.0	508.0	505.3	498.7	489.4
67.5°	451.1	448.4	445.8	437.9	427.3
70°	390.2	391.6	387.6	375.7	365.1
72.5°	332.0	334.7	326.7	310.9	308.2
75°	273.8	273.8	261.9	255.3	250.0
77.5°	214.3	215.6	199.7	198.4	197.1
80°	157.4	160.1	144.2	148.2	146.8
82.5°	107.1	104.5	97.9	97.9	96.6
85°	58.2	58.2	56.9	56.9	55.6
87.5°	22.5	23.8	26.5	29.1	27.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)