

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: P218321

Luminaire Tested: **4SNLED-LD5-37SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35687)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-37SL-LW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3882.0 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

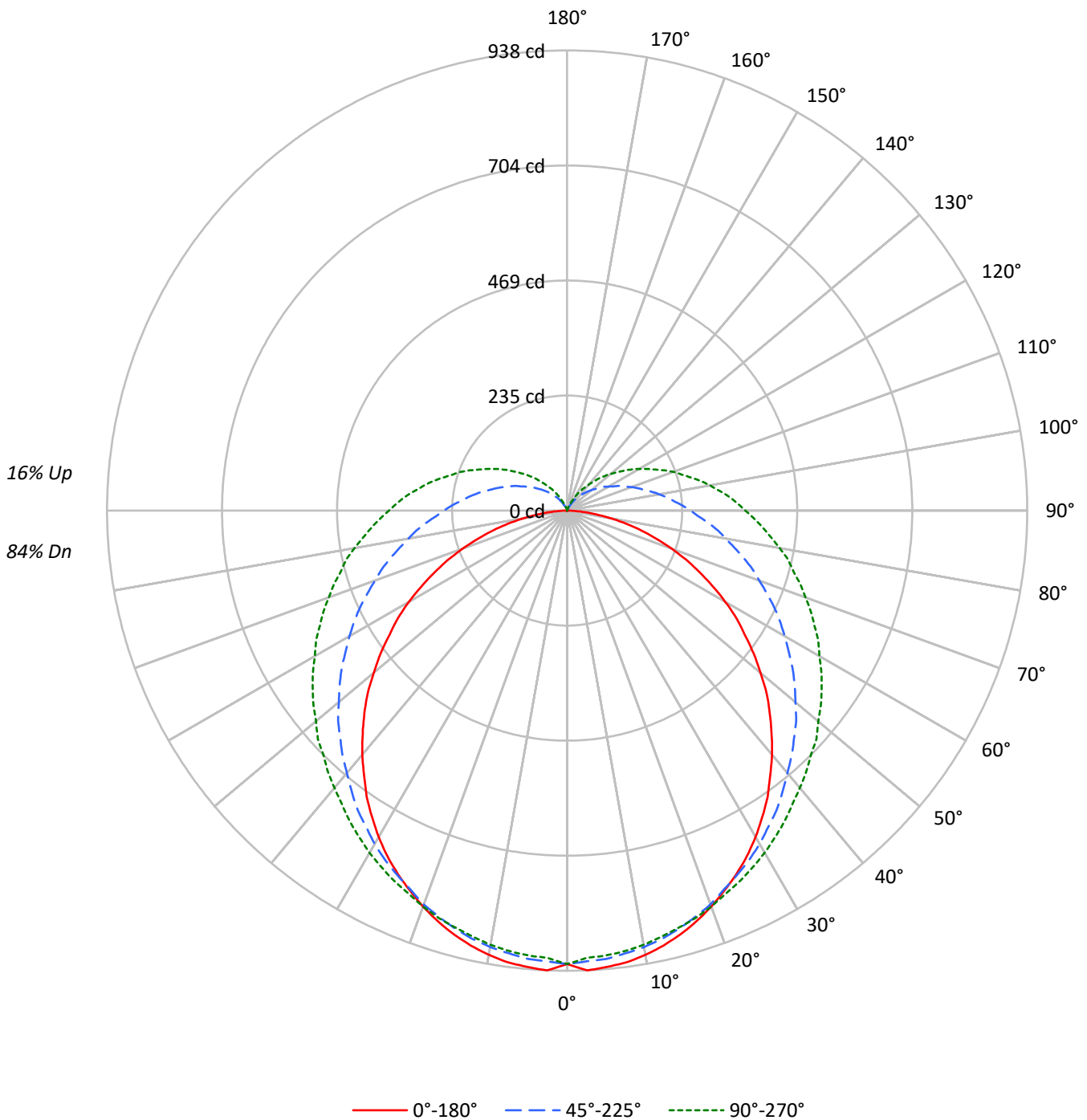
Input Watts (W): 30.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0	
RCR																						
0	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84				
1	102	96	91	86	98	93	88	83	85	81	78	79	76	73	73	70	68	64				
2	92	83	75	68	88	79	72	66	73	67	62	67	63	58	62	58	55	52				
3	83	72	63	56	79	69	61	54	64	57	51	59	53	48	54	49	45	42				
4	76	63	54	46	72	61	52	45	56	49	43	52	46	41	48	43	38	36				
5	70	56	46	39	66	54	45	39	50	42	37	46	40	35	43	37	33	30				
6	64	50	41	34	61	48	40	33	45	37	32	42	35	30	39	33	29	26				
7	59	45	36	30	57	44	35	29	41	33	28	38	31	27	35	30	25	23				
8	55	41	32	26	53	40	32	26	37	30	25	35	28	24	32	27	23	21				
9	51	38	29	24	49	36	29	23	34	27	22	32	26	21	30	24	20	18				
10	48	35	27	21	46	34	26	21	32	25	20	30	24	19	28	22	18	17				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14894	14894	14894
5°	15046	13939	13540
10°	14937	13081	12501
15°	14749	12294	11578
20°	14511	11553	10801
25°	14252	10845	10106
30°	13959	10243	9502
35°	13616	9668	8942
40°	13202	9079	8441
45°	12784	8584	8011
50°	12286	8111	7643
55°	11726	7682	7327
60°	11195	7253	7003
65°	10428	6882	6747
70°	9543	6492	6497
75°	8403	6186	6280
80°	6640	5884	6120
85°	4368	5666	5956



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	2.3
10°-20°	250.3	6.4
20°-30°	380.5	9.8
30°-40°	465.6	12.0
40°-50°	502.7	12.9
50°-60°	493.5	12.7
60°-70°	444.5	11.5
70°-80°	368.1	9.5
80°-90°	283.1	7.3
90°-100°	213.4	5.5
100°-110°	157.0	4.0
110°-120°	108.3	2.8
120°-130°	68.7	1.8
130°-140°	38.0	1.0
140°-150°	16.5	0.4
150°-160°	4.1	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	718.3	18.5
0°-40°	1183.9	30.5
0°-60°	2180.2	56.2
0°-90°	3275.8	84.4
90°-120°	478.8	12.3
90°-150°	602.0	15.5
90°-180°	606.0	15.6
0°-180°	3882.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	924	924	924	924	924	
5°	934	929	917	917	910	89
15°	894	892	882	887	880	252
25°	817	817	820	836	834	376
35°	712	719	745	768	773	445
45°	584	610	654	694	703	451
55°	442	491	561	617	633	397
65°	298	366	466	536	556	296
75°	156	249	372	452	477	165
85°	35	154	289	375	400	40
90°	0	119	251	338	363	2
95°	2	93	219	303	331	1
105°	0	58	163	238	261	0
115°	0	37	119	179	198	0
125°	0	23	82	128	142	0
135°	0	14	51	84	93	0
145°	0	5	26	47	51	0
155°	0	2	7	14	16	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°	924.3	924.3	924.3	924.3	924.3
2.5°	938.2	931.3	919.6	919.6	912.6
5°	933.6	928.9	917.3	917.3	910.3
7.5°	928.9	924.3	910.3	912.6	905.6
10°	919.6	915.0	903.3	905.6	898.7
12.5°	908.0	903.3	894.0	896.3	889.4
15°	894.0	891.7	882.4	887.0	880.0
17.5°	877.7	875.4	868.4	875.4	870.7
20°	859.1	859.1	854.4	863.7	859.1
22.5°	838.1	838.1	835.8	849.8	845.1
25°	817.2	817.2	819.5	835.8	833.5
27.5°	793.9	796.2	803.2	821.8	819.5
30°	768.3	772.9	784.6	805.5	805.5
32.5°	740.4	745.0	763.6	789.2	789.2
35°	712.4	719.4	745.0	768.3	772.9
37.5°	679.8	691.5	721.7	749.7	754.3
40°	649.6	665.9	698.4	731.0	738.0
42.5°	617.0	637.9	677.5	714.7	721.7
45°	584.4	610.0	654.2	693.8	703.1
47.5°	551.8	579.7	633.3	675.2	689.1
50°	514.5	549.4	607.6	656.5	668.2
52.5°	479.6	519.2	584.4	635.6	651.9
55°	442.3	491.2	561.1	617.0	633.3
57.5°	409.8	458.6	535.5	598.3	614.6
60°	372.5	426.1	512.2	575.1	593.7
62.5°	335.3	398.1	488.9	556.4	577.4
65°	298.0	365.5	465.6	535.5	556.4
67.5°	263.1	335.3	440.0	514.5	537.8
70°	225.8	305.0	416.7	493.6	516.8
72.5°	190.9	277.0	395.8	472.6	498.2
75°	156.0	249.1	372.5	451.7	477.3
77.5°	123.4	223.5	349.2	433.0	461.0
80°	88.5	197.9	328.3	412.1	440.0
82.5°	60.5	174.6	309.6	393.5	419.1
85°	34.9	153.7	288.7	374.8	400.4
87.5°	14.0	135.0	267.7	353.9	381.8
90°	0.0	118.7	251.4	337.6	363.2
92.5°	0.0	104.8	235.1	319.0	346.9
95°	2.3	93.1	218.8	302.7	330.6
97.5°	0.0	81.5	204.9	286.4	312.0
100°	0.0	74.5	190.9	270.1	295.7
102.5°	0.0	65.2	176.9	253.8	279.4
105°	0.0	58.2	163.0	237.5	260.8
107.5°	0.0	53.5	151.3	223.5	244.5
110°	0.0	46.6	139.7	209.5	230.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	41.9	128.0	193.2	214.2
115°	0.0	37.3	118.7	179.3	197.9
117.5°	0.0	34.9	107.1	165.3	183.9
120°	0.0	30.3	97.8	153.7	170.0
122.5°	0.0	27.9	90.8	139.7	156.0
125°	0.0	23.3	81.5	128.0	142.0
127.5°	0.0	21.0	72.2	116.4	128.0
130°	0.0	18.6	65.2	104.8	116.4
132.5°	0.0	16.3	58.2	93.1	104.8
135°	0.0	14.0	51.2	83.8	93.1
137.5°	0.0	11.6	44.2	72.2	81.5
140°	0.0	9.3	37.3	62.9	69.8
142.5°	0.0	7.0	32.6	53.5	60.5
145°	0.0	4.7	25.6	46.6	51.2
147.5°	0.0	4.7	21.0	37.3	41.9
150°	0.0	2.3	14.0	30.3	32.6
152.5°	0.0	2.3	11.6	23.3	23.3
155°	0.0	2.3	7.0	14.0	16.3
157.5°	0.0	0.0	4.7	9.3	9.3
160°	0.0	0.0	2.3	4.7	7.0
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)