

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: P218329

Luminaire Tested: **4SNLED-LD5-44HL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218329
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-LD5-44HL-LW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4538.0 lumens
Efficiency: N/A
Efficacy: 122.6 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

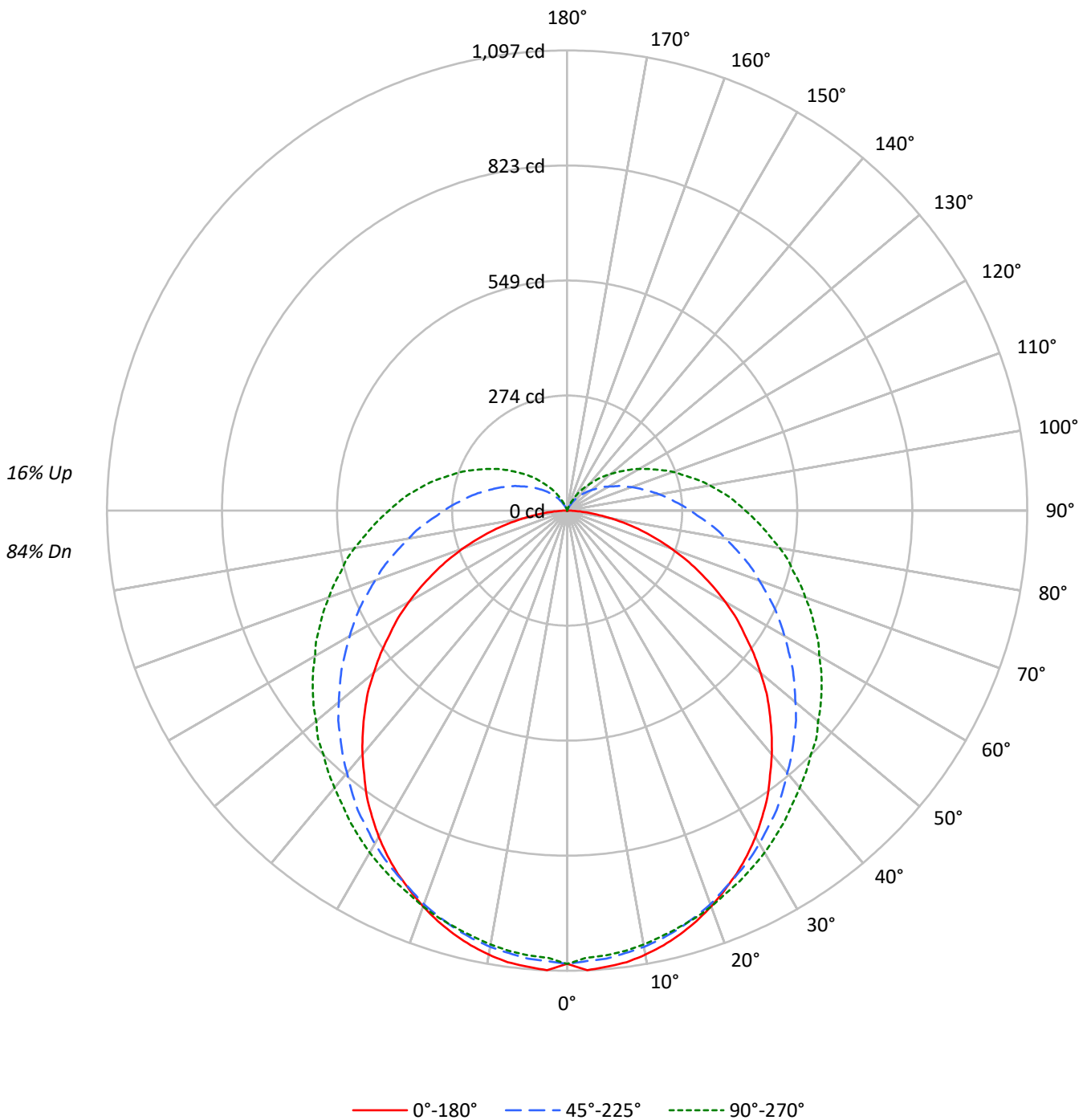
Input Watts (W): 37
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	17411	17411	17411
5°	17589	16295	15827
10°	17461	15292	14612
15°	17242	14371	13536
20°	16964	13506	12626
25°	16660	12678	11814
30°	16317	11974	11108
35°	15917	11302	10455
40°	15431	10614	9867
45°	14943	10036	9365
50°	14364	9482	8934
55°	13710	8980	8565
60°	13089	8478	8186
65°	12192	8045	7888
70°	11158	7591	7596
75°	9820	7232	7340
80°	7758	6877	7155
85°	5106	6624	6962



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.3	2.3
10°-20°	292.6	6.4
20°-30°	444.7	9.8
30°-40°	544.3	12.0
40°-50°	587.7	12.9
50°-60°	576.9	12.7
60°-70°	519.6	11.5
70°-80°	430.3	9.5
80°-90°	330.9	7.3
90°-100°	249.5	5.5
100°-110°	183.6	4.0
110°-120°	126.6	2.8
120°-130°	80.3	1.8
130°-140°	44.5	1.0
140°-150°	19.2	0.4
150°-160°	4.8	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	839.7	18.5
0°-40°	1384.0	30.5
0°-60°	2548.6	56.2
0°-90°	3829.4	84.4
90°-120°	559.7	12.3
90°-150°	703.7	15.5
90°-180°	709.0	15.6
0°-180°	4538.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1080	1080	1080	1080	1080	
5°	1091	1086	1072	1072	1064	104
15°	1045	1042	1032	1037	1029	295
25°	955	955	958	977	974	440
35°	833	841	871	898	904	520
45°	683	713	765	811	822	527
55°	517	574	656	721	740	464
65°	348	427	544	626	650	346
75°	182	291	436	528	558	193
85°	41	180	338	438	468	47
90°	0	139	294	395	425	2
95°	3	109	256	354	386	1
105°	0	68	190	278	305	0
115°	0	44	139	210	231	0
125°	0	27	95	150	166	0
135°	0	16	60	98	109	0
145°	0	5	30	54	60	0
155°	0	3	8	16	19	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°	1080.5	1080.5	1080.5	1080.5	1080.5
2.5°	1096.8	1088.6	1075.0	1075.0	1066.9
5°	1091.4	1085.9	1072.3	1072.3	1064.1
7.5°	1085.9	1080.5	1064.1	1066.9	1058.7
10°	1075.0	1069.6	1056.0	1058.7	1050.5
12.5°	1061.4	1056.0	1045.1	1047.8	1039.6
15°	1045.1	1042.4	1031.5	1036.9	1028.8
17.5°	1026.0	1023.3	1015.1	1023.3	1017.9
20°	1004.3	1004.3	998.8	1009.7	1004.3
22.5°	979.8	979.8	977.0	993.4	987.9
25°	955.3	955.3	958.0	977.0	974.3
27.5°	928.1	930.8	938.9	960.7	958.0
30°	898.1	903.6	917.2	941.7	941.7
32.5°	865.5	870.9	892.7	922.6	922.6
35°	832.8	841.0	870.9	898.1	903.6
37.5°	794.7	808.3	843.7	876.3	881.8
40°	759.3	778.4	816.5	854.6	862.7
42.5°	721.2	745.7	792.0	835.5	843.7
45°	683.1	713.1	764.8	811.0	821.9
47.5°	645.0	677.7	740.3	789.3	805.6
50°	601.5	642.3	710.3	767.5	781.1
52.5°	560.6	606.9	683.1	743.0	762.0
55°	517.1	574.3	655.9	721.2	740.3
57.5°	479.0	536.1	626.0	699.4	718.5
60°	435.5	498.0	598.7	672.2	694.0
62.5°	391.9	465.4	571.5	650.5	674.9
65°	348.4	427.3	544.3	626.0	650.5
67.5°	307.5	391.9	514.4	601.5	628.7
70°	264.0	356.5	487.2	577.0	604.2
72.5°	223.2	323.9	462.7	552.5	582.4
75°	182.3	291.2	435.5	528.0	557.9
77.5°	144.2	261.3	408.2	506.2	538.9
80°	103.4	231.3	383.7	481.7	514.4
82.5°	70.8	204.1	362.0	459.9	489.9
85°	40.8	179.6	337.5	438.2	468.1
87.5°	16.3	157.9	313.0	413.7	446.3
90°	0.0	138.8	293.9	394.6	424.6
92.5°	0.0	122.5	274.9	372.9	405.5
95°	2.7	108.9	255.8	353.8	386.5
97.5°	0.0	95.3	239.5	334.8	364.7
100°	0.0	87.1	223.2	315.7	345.6
102.5°	0.0	76.2	206.8	296.7	326.6
105°	0.0	68.0	190.5	277.6	304.8
107.5°	0.0	62.6	176.9	261.3	285.8
110°	0.0	54.4	163.3	244.9	269.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	49.0	149.7	225.9	250.4
115°	0.0	43.5	138.8	209.6	231.3
117.5°	0.0	40.8	125.2	193.2	215.0
120°	0.0	35.4	114.3	179.6	198.7
122.5°	0.0	32.7	106.1	163.3	182.3
125°	0.0	27.2	95.3	149.7	166.0
127.5°	0.0	24.5	84.4	136.1	149.7
130°	0.0	21.8	76.2	122.5	136.1
132.5°	0.0	19.1	68.0	108.9	122.5
135°	0.0	16.3	59.9	98.0	108.9
137.5°	0.0	13.6	51.7	84.4	95.3
140°	0.0	10.9	43.5	73.5	81.6
142.5°	0.0	8.2	38.1	62.6	70.8
145°	0.0	5.4	29.9	54.4	59.9
147.5°	0.0	5.4	24.5	43.5	49.0
150°	0.0	2.7	16.3	35.4	38.1
152.5°	0.0	2.7	13.6	27.2	27.2
155°	0.0	2.7	8.2	16.3	19.1
157.5°	0.0	0.0	5.4	10.9	10.9
160°	0.0	0.0	2.7	5.4	8.2
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)