

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: P218330

Luminaire Tested: **4SNLED-LD5-44HL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218330
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4909.0 lumens
Efficiency: N/A
Efficacy: 132.7 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

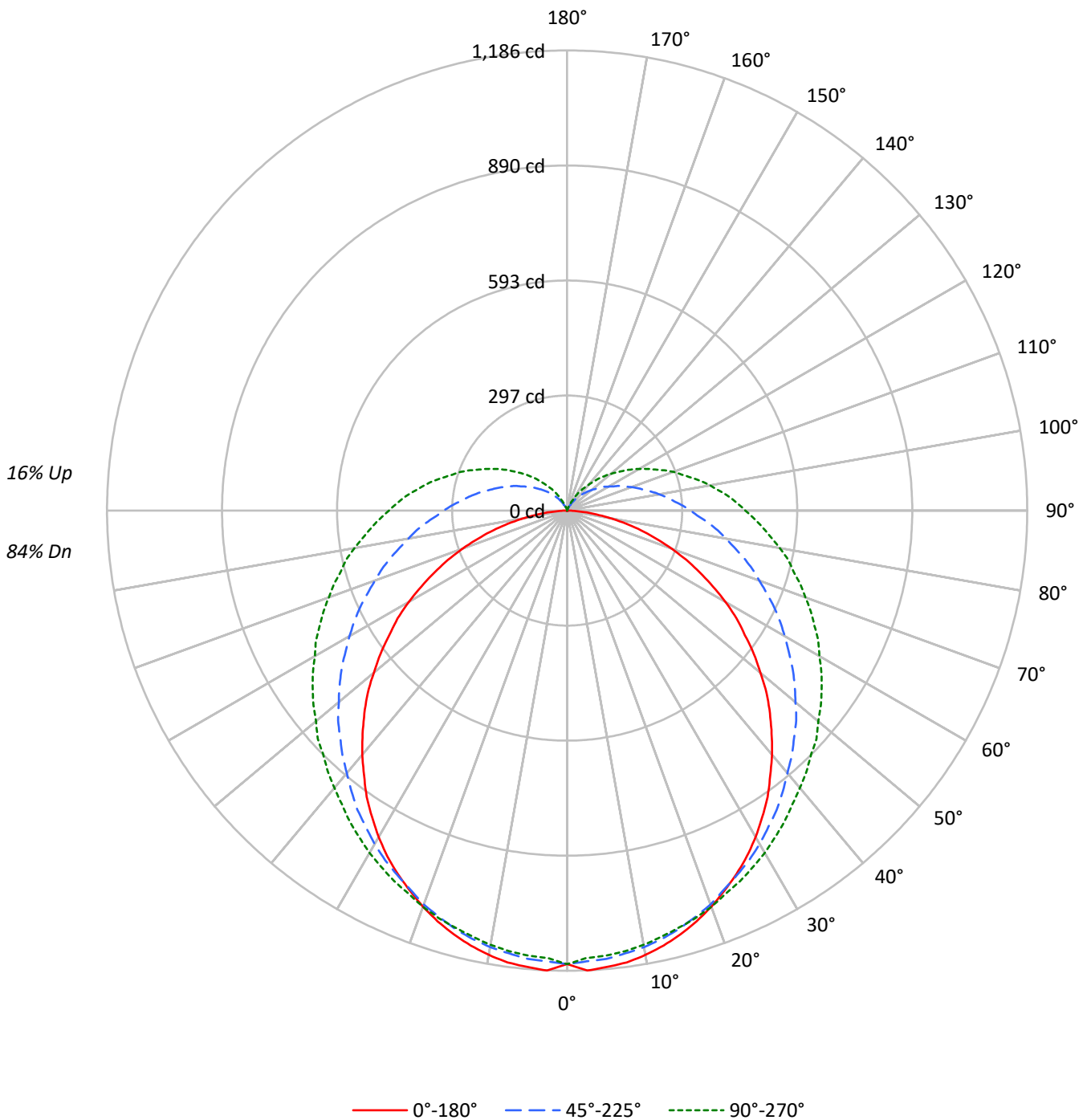
Input Watts (W): 37
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	65
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°	18834	18834	18834
5°	19027	17627	17121
10°	18889	16542	15807
15°	18650	15546	14642
20°	18351	14611	13658
25°	18022	13714	12780
30°	17651	12953	12015
35°	17218	12226	11308
40°	16693	11481	10675
45°	16166	10856	10130
50°	15536	10258	9664
55°	14831	9713	9265
60°	14158	9172	8855
65°	13186	8702	8531
70°	12071	8211	8217
75°	10628	7823	7940
80°	8396	7440	7739
85°	5532	7166	7532



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	2.3
10°-20°	316.5	6.4
20°-30°	481.1	9.8
30°-40°	588.8	12.0
40°-50°	635.7	12.9
50°-60°	624.1	12.7
60°-70°	562.1	11.4
70°-80°	465.4	9.5
80°-90°	358.0	7.3
90°-100°	269.9	5.5
100°-110°	198.6	4.0
110°-120°	137.0	2.8
120°-130°	86.9	1.8
130°-140°	48.1	1.0
140°-150°	20.8	0.4
150°-160°	5.2	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	908.3	18.5
0°-40°	1497.1	30.5
0°-60°	2756.9	56.2
0°-90°	4142.4	84.4
90°-120°	605.4	12.3
90°-150°	761.2	15.5
90°-180°	767.0	15.6
0°-180°	4909.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1169	1169	1169	1169	1169	
5°	1181	1175	1160	1160	1151	112
15°	1130	1128	1116	1122	1113	319
25°	1033	1033	1036	1057	1054	476
35°	901	910	942	972	977	562
45°	739	771	827	877	889	570
55°	559	621	710	780	801	502
65°	377	462	589	677	704	374
75°	197	315	471	571	604	209
85°	44	194	365	474	506	50
90°	0	150	318	427	459	2
95°	3	118	277	383	418	1
105°	0	74	206	300	330	0
115°	0	47	150	227	250	0
125°	0	29	103	162	180	0
135°	0	18	65	106	118	0
145°	0	6	32	59	65	0
155°	0	3	9	18	21	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°	1168.8	1168.8	1168.8	1168.8	1168.8
2.5°	1186.5	1177.6	1162.9	1162.9	1154.1
5°	1180.6	1174.7	1160.0	1160.0	1151.1
7.5°	1174.7	1168.8	1151.1	1154.1	1145.2
10°	1162.9	1157.0	1142.3	1145.2	1136.4
12.5°	1148.2	1142.3	1130.5	1133.5	1124.6
15°	1130.5	1127.6	1115.8	1121.7	1112.9
17.5°	1109.9	1107.0	1098.1	1107.0	1101.1
20°	1086.4	1086.4	1080.5	1092.3	1086.4
22.5°	1059.9	1059.9	1056.9	1074.6	1068.7
25°	1033.4	1033.4	1036.3	1056.9	1054.0
27.5°	1003.9	1006.9	1015.7	1039.3	1036.3
30°	971.5	977.4	992.2	1018.6	1018.6
32.5°	936.2	942.1	965.7	998.0	998.0
35°	900.9	909.7	942.1	971.5	977.4
37.5°	859.7	874.4	912.7	948.0	953.9
40°	821.4	842.0	883.2	924.4	933.3
42.5°	780.2	806.7	856.7	903.8	912.7
45°	739.0	771.3	827.3	877.3	889.1
47.5°	697.7	733.1	800.8	853.8	871.4
50°	650.6	694.8	768.4	830.2	844.9
52.5°	606.5	656.5	739.0	803.7	824.3
55°	559.4	621.2	709.5	780.2	800.8
57.5°	518.2	580.0	677.1	756.6	777.2
60°	471.1	538.8	647.7	727.2	750.7
62.5°	423.9	503.4	618.3	703.6	730.1
65°	376.8	462.2	588.8	677.1	703.6
67.5°	332.7	423.9	556.4	650.6	680.1
70°	285.6	385.7	527.0	624.1	653.6
72.5°	241.4	350.3	500.5	597.6	630.0
75°	197.3	315.0	471.1	571.1	603.5
77.5°	156.0	282.6	441.6	547.6	582.9
80°	111.9	250.2	415.1	521.1	556.4
82.5°	76.5	220.8	391.6	497.5	529.9
85°	44.2	194.3	365.1	474.0	506.4
87.5°	17.7	170.8	338.6	447.5	482.8
90°	0.0	150.1	318.0	426.9	459.3
92.5°	0.0	132.5	297.4	403.3	438.7
95°	2.9	117.8	276.7	382.7	418.1
97.5°	0.0	103.0	259.1	362.1	394.5
100°	0.0	94.2	241.4	341.5	373.9
102.5°	0.0	82.4	223.7	320.9	353.3
105°	0.0	73.6	206.1	300.3	329.7
107.5°	0.0	67.7	191.4	282.6	309.1
110°	0.0	58.9	176.6	265.0	291.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	53.0	161.9	244.4	270.9
115°	0.0	47.1	150.1	226.7	250.2
117.5°	0.0	44.2	135.4	209.0	232.6
120°	0.0	38.3	123.7	194.3	214.9
122.5°	0.0	35.3	114.8	176.6	197.3
125°	0.0	29.4	103.0	161.9	179.6
127.5°	0.0	26.5	91.3	147.2	161.9
130°	0.0	23.6	82.4	132.5	147.2
132.5°	0.0	20.6	73.6	117.8	132.5
135°	0.0	17.7	64.8	106.0	117.8
137.5°	0.0	14.7	55.9	91.3	103.0
140°	0.0	11.8	47.1	79.5	88.3
142.5°	0.0	8.8	41.2	67.7	76.5
145°	0.0	5.9	32.4	58.9	64.8
147.5°	0.0	5.9	26.5	47.1	53.0
150°	0.0	2.9	17.7	38.3	41.2
152.5°	0.0	2.9	14.7	29.4	29.4
155°	0.0	2.9	8.8	17.7	20.6
157.5°	0.0	0.0	5.9	11.8	11.8
160°	0.0	0.0	2.9	5.9	8.8
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)