

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: P218340

Luminaire Tested: **4SNLED-LD5-48HL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218340
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-LD5-48HL-LW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4751.0 lumens
Efficiency: N/A
Efficacy: 118.8 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

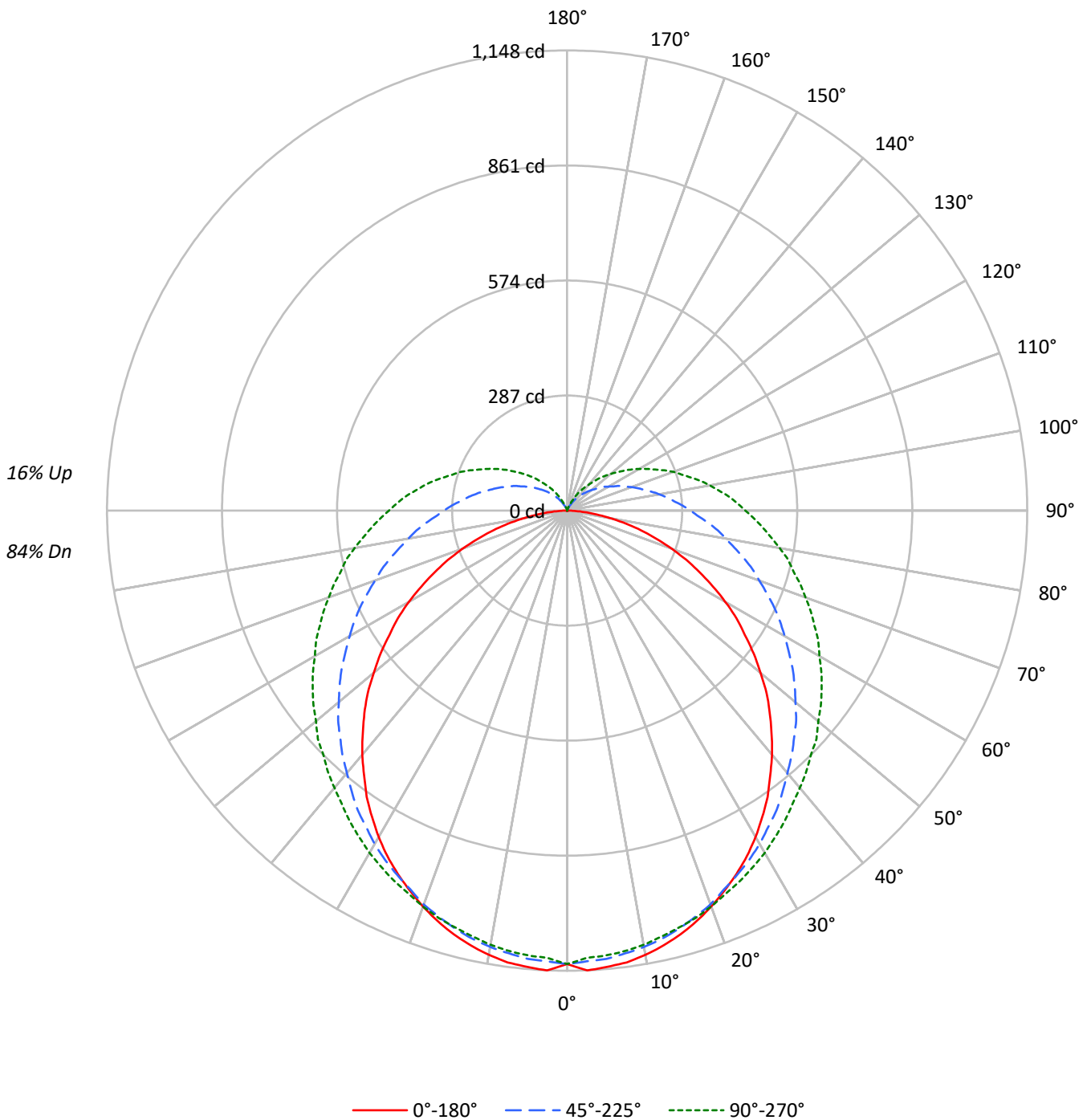
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	18228	18228	18228
5°	18415	17059	16571
10°	18281	16009	15298
15°	18050	15045	14170
20°	17759	14140	13218
25°	17442	13273	12369
30°	17084	12535	11630
35°	16664	11833	10945
40°	16157	11112	10330
45°	15645	10507	9805
50°	15037	9928	9354
55°	14354	9401	8967
60°	13702	8876	8571
65°	12763	8423	8257
70°	11682	7946	7952
75°	10283	7571	7685
80°	8126	7201	7490
85°	5344	6934	7290



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	2.3
10°-20°	306.3	6.4
20°-30°	465.6	9.8
30°-40°	569.9	12.0
40°-50°	615.2	12.9
50°-60°	604.0	12.7
60°-70°	544.0	11.5
70°-80°	450.5	9.5
80°-90°	346.5	7.3
90°-100°	261.2	5.5
100°-110°	192.2	4.0
110°-120°	132.6	2.8
120°-130°	84.1	1.8
130°-140°	46.5	1.0
140°-150°	20.2	0.4
150°-160°	5.0	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	879.1	18.5
0°-40°	1448.9	30.5
0°-60°	2668.2	56.2
0°-90°	4009.2	84.4
90°-120°	585.9	12.3
90°-150°	736.7	15.5
90°-180°	742.0	15.6
0°-180°	4751.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1131	1131	1131	1131	1131	
5°	1143	1137	1123	1123	1114	109
15°	1094	1091	1080	1086	1077	308
25°	1000	1000	1003	1023	1020	461
35°	872	880	912	940	946	544
45°	715	746	801	849	860	552
55°	541	601	687	755	775	486
65°	365	447	570	655	681	362
75°	191	305	456	553	584	202
85°	43	188	353	459	490	49
90°	0	145	308	413	444	2
95°	3	114	268	370	405	1
105°	0	71	200	291	319	0
115°	0	46	145	219	242	0
125°	0	28	100	157	174	0
135°	0	17	63	103	114	0
145°	0	6	31	57	63	0
155°	0	3	8	17	20	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°	1131.2	1131.2	1131.2	1131.2	1131.2
2.5°	1148.3	1139.7	1125.5	1125.5	1116.9
5°	1142.6	1136.9	1122.6	1122.6	1114.1
7.5°	1136.9	1131.2	1114.1	1116.9	1108.4
10°	1125.5	1119.8	1105.5	1108.4	1099.8
12.5°	1111.2	1105.5	1094.1	1097.0	1088.4
15°	1094.1	1091.3	1079.9	1085.6	1077.0
17.5°	1074.2	1071.3	1062.8	1071.3	1065.6
20°	1051.4	1051.4	1045.7	1057.1	1051.4
22.5°	1025.8	1025.8	1022.9	1040.0	1034.3
25°	1000.1	1000.1	1003.0	1022.9	1020.1
27.5°	971.6	974.5	983.0	1005.8	1003.0
30°	940.3	946.0	960.2	985.9	985.9
32.5°	906.1	911.8	934.6	965.9	965.9
35°	871.9	880.4	911.8	940.3	946.0
37.5°	832.0	846.2	883.3	917.5	923.2
40°	795.0	814.9	854.8	894.7	903.2
42.5°	755.1	780.7	829.2	874.7	883.3
45°	715.2	746.5	800.7	849.1	860.5
47.5°	675.3	709.5	775.0	826.3	843.4
50°	629.7	672.4	743.7	803.5	817.8
52.5°	587.0	635.4	715.2	777.9	797.8
55°	541.4	601.2	686.7	755.1	775.0
57.5°	501.5	561.3	655.3	732.3	752.2
60°	455.9	521.4	626.8	703.8	726.6
62.5°	410.3	487.2	598.4	681.0	706.6
65°	364.7	447.3	569.9	655.3	681.0
67.5°	322.0	410.3	538.5	629.7	658.2
70°	276.4	373.3	510.0	604.1	632.5
72.5°	233.6	339.1	484.4	578.4	609.8
75°	190.9	304.9	455.9	552.8	584.1
77.5°	151.0	273.5	427.4	530.0	564.2
80°	108.3	242.2	401.8	504.3	538.5
82.5°	74.1	213.7	379.0	481.5	512.9
85°	42.7	188.1	353.3	458.7	490.1
87.5°	17.1	165.3	327.7	433.1	467.3
90°	0.0	145.3	307.7	413.2	444.5
92.5°	0.0	128.2	287.8	390.4	424.5
95°	2.8	114.0	267.8	370.4	404.6
97.5°	0.0	99.7	250.7	350.5	381.8
100°	0.0	91.2	233.6	330.5	361.9
102.5°	0.0	79.8	216.5	310.6	341.9
105°	0.0	71.2	199.5	290.6	319.1
107.5°	0.0	65.5	185.2	273.5	299.2
110°	0.0	57.0	171.0	256.4	282.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	51.3	156.7	236.5	262.1
115°	0.0	45.6	145.3	219.4	242.2
117.5°	0.0	42.7	131.1	202.3	225.1
120°	0.0	37.0	119.7	188.1	208.0
122.5°	0.0	34.2	111.1	171.0	190.9
125°	0.0	28.5	99.7	156.7	173.8
127.5°	0.0	25.6	88.3	142.5	156.7
130°	0.0	22.8	79.8	128.2	142.5
132.5°	0.0	19.9	71.2	114.0	128.2
135°	0.0	17.1	62.7	102.6	114.0
137.5°	0.0	14.2	54.1	88.3	99.7
140°	0.0	11.4	45.6	76.9	85.5
142.5°	0.0	8.5	39.9	65.5	74.1
145°	0.0	5.7	31.3	57.0	62.7
147.5°	0.0	5.7	25.6	45.6	51.3
150°	0.0	2.8	17.1	37.0	39.9
152.5°	0.0	2.8	14.2	28.5	28.5
155°	0.0	2.8	8.5	17.1	19.9
157.5°	0.0	0.0	5.7	11.4	11.4
160°	0.0	0.0	2.8	5.7	8.5
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)