

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: P218281

Luminaire Tested: **2SNLED-LD5-16SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218281
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: 2SNLED-LD5-16SL-LW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1861.0 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Semi-Direct

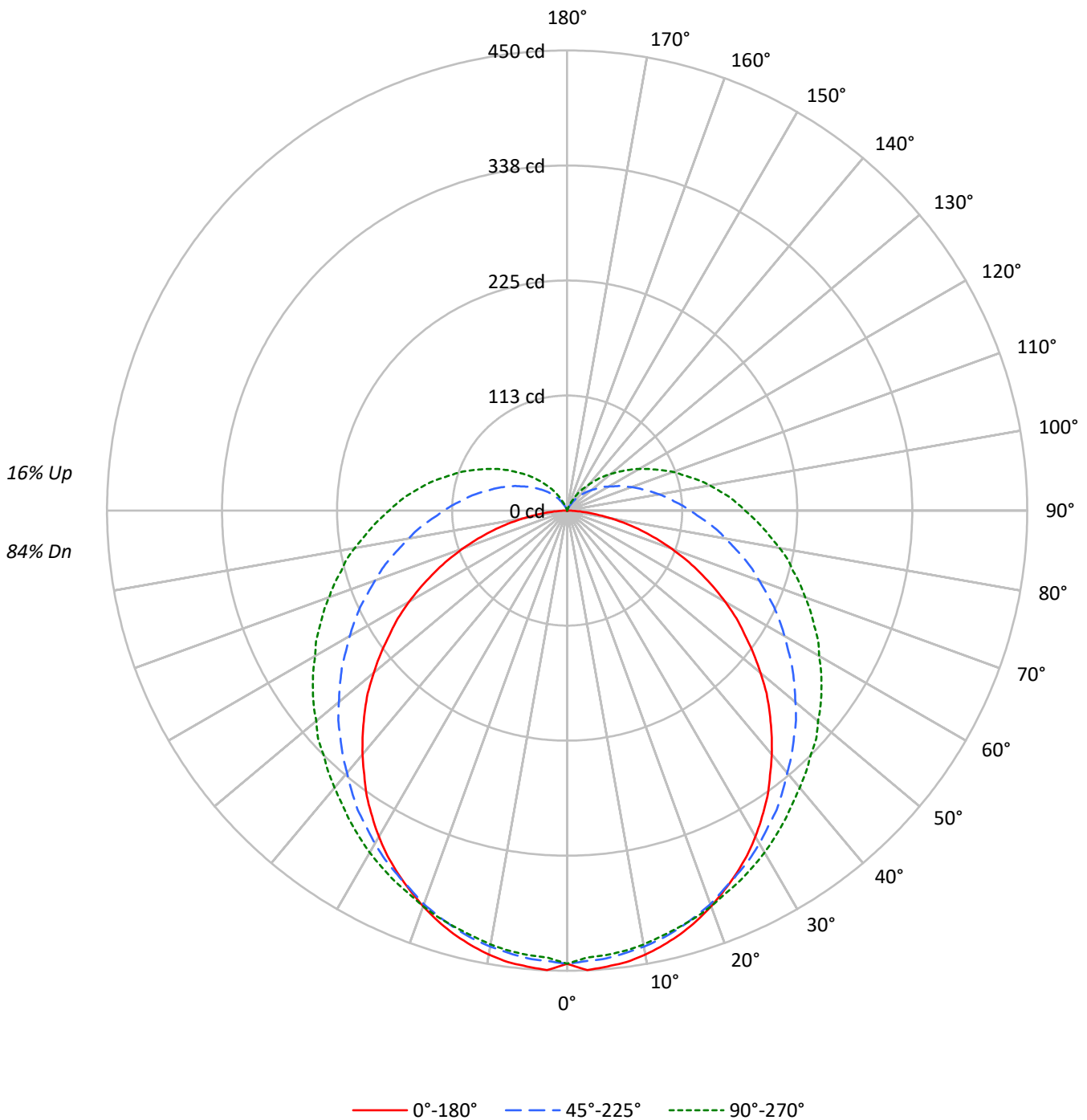
Input Watts (W): 15.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	14280	14280	14280
5°	14375	13331	12982
10°	14219	12483	11985
15°	13987	11709	11102
20°	13706	10984	10354
25°	13406	10294	9691
30°	13075	9704	9111
35°	12693	9146	8573
40°	12243	8573	8093
45°	11782	8093	7682
50°	11249	7634	7327
55°	10647	7217	7025
60°	10057	6800	6714
65°	9242	6440	6468
70°	8300	6063	6231
75°	7101	5762	6021
80°	5340	5465	5867
85°	3160	5245	5712



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	2.3
10°-20°	120.0	6.4
20°-30°	182.4	9.8
30°-40°	223.2	12.0
40°-50°	241.0	12.9
50°-60°	236.6	12.7
60°-70°	213.1	11.5
70°-80°	176.4	9.5
80°-90°	135.7	7.3
90°-100°	102.3	5.5
100°-110°	75.3	4.0
110°-120°	51.9	2.8
120°-130°	32.9	1.8
130°-140°	18.2	1.0
140°-150°	7.9	0.4
150°-160°	2.0	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	344.3	18.5
0°-40°	567.6	30.5
0°-60°	1045.2	56.2
0°-90°	1570.4	84.4
90°-120°	229.5	12.3
90°-150°	288.6	15.5
90°-180°	291.0	15.6
0°-180°	1861.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	443	443	443	443	443	
5°	448	445	440	440	436	43
15°	429	428	423	425	422	121
25°	392	392	393	401	400	180
35°	342	345	357	368	370	213
45°	280	292	314	333	337	216
55°	212	236	269	296	304	190
65°	143	175	223	257	267	142
75°	75	119	179	216	229	79
85°	17	74	138	180	192	19
90°	0	57	120	162	174	1
95°	1	45	105	145	158	0
105°	0	28	78	114	125	0
115°	0	18	57	86	95	0
125°	0	11	39	61	68	0
135°	0	7	25	40	45	0
145°	0	2	12	22	25	0
155°	0	1	3	7	8	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°	443.1	443.1	443.1	443.1	443.1
2.5°	449.8	446.4	440.9	440.9	437.5
5°	447.6	445.3	439.7	439.7	436.4
7.5°	445.3	443.1	436.4	437.5	434.2
10°	440.9	438.6	433.0	434.2	430.8
12.5°	435.3	433.0	428.6	429.7	426.3
15°	428.6	427.5	423.0	425.2	421.9
17.5°	420.8	419.7	416.3	419.7	417.4
20°	411.8	411.8	409.6	414.1	411.8
22.5°	401.8	401.8	400.7	407.4	405.1
25°	391.7	391.7	392.9	400.7	399.6
27.5°	380.6	381.7	385.1	394.0	392.9
30°	368.3	370.5	376.1	386.2	386.2
32.5°	354.9	357.2	366.1	378.4	378.4
35°	341.5	344.9	357.2	368.3	370.5
37.5°	325.9	331.5	346.0	359.4	361.6
40°	311.4	319.2	334.8	350.5	353.8
42.5°	295.8	305.8	324.8	342.6	346.0
45°	280.1	292.4	313.6	332.6	337.1
47.5°	264.5	277.9	303.6	323.7	330.4
50°	246.7	263.4	291.3	314.7	320.3
52.5°	229.9	248.9	280.1	304.7	312.5
55°	212.1	235.5	269.0	295.8	303.6
57.5°	196.4	219.9	256.7	286.8	294.6
60°	178.6	204.2	245.5	275.7	284.6
62.5°	160.7	190.9	234.4	266.7	276.8
65°	142.9	175.2	223.2	256.7	266.7
67.5°	126.1	160.7	210.9	246.7	257.8
70°	108.3	146.2	199.8	236.6	247.8
72.5°	91.5	132.8	189.7	226.6	238.8
75°	74.8	119.4	178.6	216.5	228.8
77.5°	59.2	107.1	167.4	207.6	221.0
80°	42.4	94.9	157.4	197.5	210.9
82.5°	29.0	83.7	148.4	188.6	200.9
85°	16.7	73.7	138.4	179.7	192.0
87.5°	6.7	64.7	128.4	169.6	183.0
90°	0.0	56.9	120.5	161.8	174.1
92.5°	0.0	50.2	112.7	152.9	166.3
95°	1.1	44.6	104.9	145.1	158.5
97.5°	0.0	39.1	98.2	137.3	149.6
100°	0.0	35.7	91.5	129.5	141.7
102.5°	0.0	31.3	84.8	121.7	133.9
105°	0.0	27.9	78.1	113.8	125.0
107.5°	0.0	25.7	72.5	107.1	117.2
110°	0.0	22.3	67.0	100.4	110.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	20.1	61.4	92.6	102.7
115°	0.0	17.9	56.9	85.9	94.9
117.5°	0.0	16.7	51.3	79.2	88.2
120°	0.0	14.5	46.9	73.7	81.5
122.5°	0.0	13.4	43.5	67.0	74.8
125°	0.0	11.2	39.1	61.4	68.1
127.5°	0.0	10.0	34.6	55.8	61.4
130°	0.0	8.9	31.3	50.2	55.8
132.5°	0.0	7.8	27.9	44.6	50.2
135°	0.0	6.7	24.6	40.2	44.6
137.5°	0.0	5.6	21.2	34.6	39.1
140°	0.0	4.5	17.9	30.1	33.5
142.5°	0.0	3.3	15.6	25.7	29.0
145°	0.0	2.2	12.3	22.3	24.6
147.5°	0.0	2.2	10.0	17.9	20.1
150°	0.0	1.1	6.7	14.5	15.6
152.5°	0.0	1.1	5.6	11.2	11.2
155°	0.0	1.1	3.3	6.7	7.8
157.5°	0.0	0.0	2.2	4.5	4.5
160°	0.0	0.0	1.1	2.2	3.3
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)