

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: P218296

Luminaire Tested: **4SNLED-LD5-16SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218296  
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-LD5-16SL-LW-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1746.0 lumens  
Efficiency: N/A  
Efficacy: 119.6 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

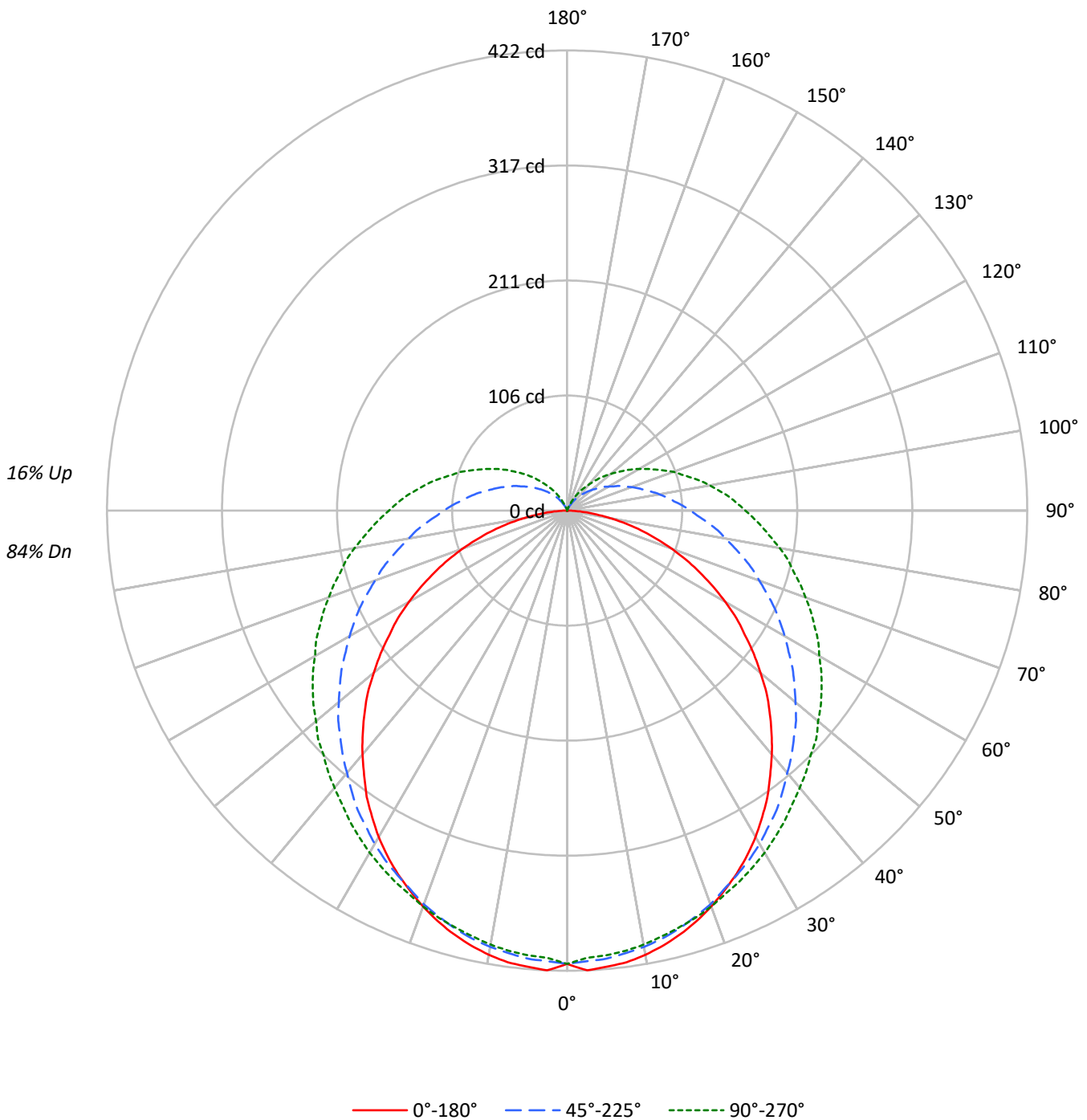
Input Watts (W): 14.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	6698	6698	6698
5°	6767	6270	6089
10°	6718	5884	5622
15°	6634	5530	5207
20°	6527	5197	4858
25°	6409	4878	4546
30°	6279	4607	4274
35°	6124	4349	4022
40°	5936	4083	3796
45°	5749	3861	3603
50°	5526	3648	3437
55°	5276	3456	3295
60°	5034	3263	3150
65°	4689	3095	3035
70°	4294	2920	2923
75°	3781	2782	2825
80°	2986	2645	2753
85°	1965	2548	2679



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.4	2.3
10°-20°	112.6	6.4
20°-30°	171.1	9.8
30°-40°	209.4	12.0
40°-50°	226.1	12.9
50°-60°	222.0	12.7
60°-70°	199.9	11.5
70°-80°	165.5	9.5
80°-90°	127.3	7.3
90°-100°	96.0	5.5
100°-110°	70.6	4.0
110°-120°	48.7	2.8
120°-130°	30.9	1.8
130°-140°	17.1	1.0
140°-150°	7.4	0.4
150°-160°	1.8	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	323.1	18.5
0°-40°	532.5	30.5
0°-60°	980.6	56.2
0°-90°	1473.3	84.4
90°-120°	215.3	12.3
90°-150°	270.7	15.5
90°-180°	273.0	15.6
0°-180°	1746.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	416	416	416	416	416	
5°	420	418	413	413	409	40
15°	402	401	397	399	396	113
25°	368	368	369	376	375	169
35°	320	324	335	346	348	200
45°	263	274	294	312	316	203
55°	199	221	252	278	285	179
65°	134	164	209	241	250	133
75°	70	112	168	203	215	74
85°	16	69	130	169	180	18
90°	0	53	113	152	163	1
95°	1	42	98	136	149	0
105°	0	26	73	107	117	0
115°	0	17	53	81	89	0
125°	0	10	37	58	64	0
135°	0	6	23	38	42	0
145°	0	2	12	21	23	0
155°	0	1	3	6	7	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°	415.7	415.7	415.7	415.7	415.7
2.5°	422.0	418.9	413.6	413.6	410.5
5°	419.9	417.8	412.6	412.6	409.4
7.5°	417.8	415.7	409.4	410.5	407.3
10°	413.6	411.5	406.3	407.3	404.2
12.5°	408.4	406.3	402.1	403.1	400.0
15°	402.1	401.0	396.9	399.0	395.8
17.5°	394.8	393.7	390.6	393.7	391.6
20°	386.4	386.4	384.3	388.5	386.4
22.5°	377.0	377.0	375.9	382.2	380.1
25°	367.5	367.5	368.6	375.9	374.9
27.5°	357.1	358.1	361.3	369.6	368.6
30°	345.6	347.6	352.9	362.3	362.3
32.5°	333.0	335.1	343.5	355.0	355.0
35°	320.4	323.6	335.1	345.6	347.6
37.5°	305.8	311.0	324.6	337.2	339.3
40°	292.1	299.5	314.1	328.8	331.9
42.5°	277.5	286.9	304.7	321.5	324.6
45°	262.8	274.3	294.2	312.0	316.2
47.5°	248.2	260.7	284.8	303.7	309.9
50°	231.4	247.1	273.3	295.3	300.5
52.5°	215.7	233.5	262.8	285.9	293.2
55°	199.0	220.9	252.4	277.5	284.8
57.5°	184.3	206.3	240.8	269.1	276.4
60°	167.5	191.6	230.4	258.6	267.0
62.5°	150.8	179.1	219.9	250.3	259.7
65°	134.0	164.4	209.4	240.8	250.3
67.5°	118.3	150.8	197.9	231.4	241.9
70°	101.6	137.2	187.4	222.0	232.5
72.5°	85.9	124.6	178.0	212.6	224.1
75°	70.2	112.0	167.5	203.1	214.7
77.5°	55.5	100.5	157.1	194.8	207.3
80°	39.8	89.0	147.6	185.3	197.9
82.5°	27.2	78.5	139.3	177.0	188.5
85°	15.7	69.1	129.8	168.6	180.1
87.5°	6.3	60.7	120.4	159.2	171.7
90°	0.0	53.4	113.1	151.8	163.4
92.5°	0.0	47.1	105.8	143.5	156.0
95°	1.0	41.9	98.4	136.1	148.7
97.5°	0.0	36.6	92.1	128.8	140.3
100°	0.0	33.5	85.9	121.5	133.0
102.5°	0.0	29.3	79.6	114.1	125.7
105°	0.0	26.2	73.3	106.8	117.3
107.5°	0.0	24.1	68.1	100.5	109.9
110°	0.0	20.9	62.8	94.2	103.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.8	57.6	86.9	96.3
115°	0.0	16.8	53.4	80.6	89.0
117.5°	0.0	15.7	48.2	74.3	82.7
120°	0.0	13.6	44.0	69.1	76.4
122.5°	0.0	12.6	40.8	62.8	70.2
125°	0.0	10.5	36.6	57.6	63.9
127.5°	0.0	9.4	32.5	52.4	57.6
130°	0.0	8.4	29.3	47.1	52.4
132.5°	0.0	7.3	26.2	41.9	47.1
135°	0.0	6.3	23.0	37.7	41.9
137.5°	0.0	5.2	19.9	32.5	36.6
140°	0.0	4.2	16.8	28.3	31.4
142.5°	0.0	3.1	14.7	24.1	27.2
145°	0.0	2.1	11.5	20.9	23.0
147.5°	0.0	2.1	9.4	16.8	18.8
150°	0.0	1.0	6.3	13.6	14.7
152.5°	0.0	1.0	5.2	10.5	10.5
155°	0.0	1.0	3.1	6.3	7.3
157.5°	0.0	0.0	2.1	4.2	4.2
160°	0.0	0.0	1.0	2.1	3.1
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)