

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: P218300

Luminaire Tested: **4SNLED-LD5-20SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218300  
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-LD5-20SL-LW-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2128.0 lumens  
Efficiency: N/A  
Efficacy: 133.0 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

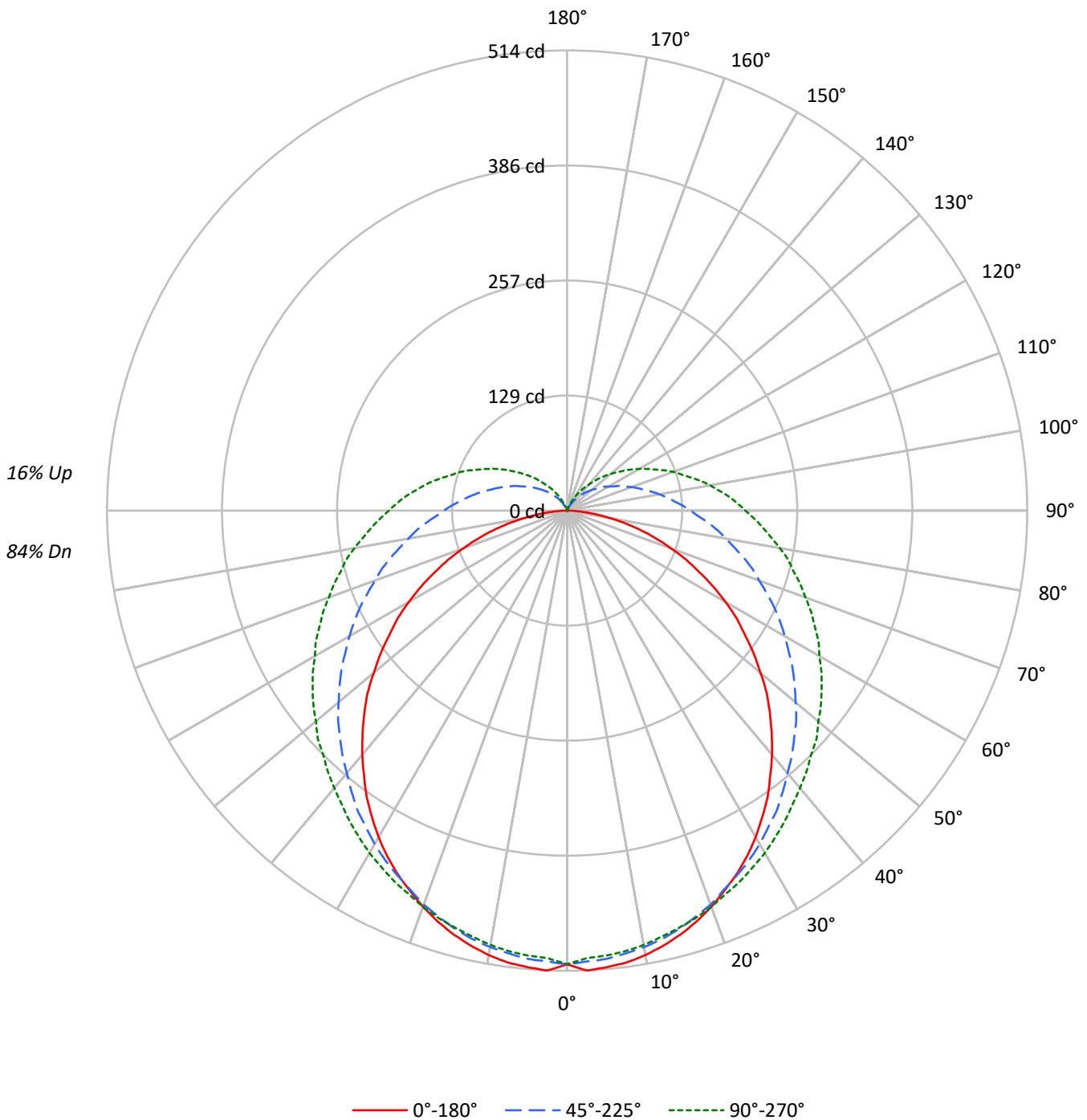
Input Watts (W): 16  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	8165	8165	8165
5°	8248	7640	7422
10°	8188	7171	6852
15°	8085	6739	6347
20°	7954	6334	5920
25°	7813	5945	5540
30°	7653	5615	5209
35°	7463	5300	4902
40°	7237	4978	4628
45°	7007	4706	4391
50°	6734	4447	4190
55°	6429	4211	4016
60°	6137	3976	3838
65°	5718	3772	3698
70°	5232	3559	3562
75°	4605	3391	3442
80°	3639	3224	3355
85°	2391	3107	3265



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.0	2.3
10°-20°	137.2	6.4
20°-30°	208.6	9.8
30°-40°	255.2	12.0
40°-50°	275.6	12.9
50°-60°	270.5	12.7
60°-70°	243.7	11.4
70°-80°	201.8	9.5
80°-90°	155.2	7.3
90°-100°	117.0	5.5
100°-110°	86.1	4.0
110°-120°	59.4	2.8
120°-130°	37.7	1.8
130°-140°	20.8	1.0
140°-150°	9.0	0.4
150°-160°	2.3	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	393.8	18.5
0°-40°	649.0	30.5
0°-60°	1195.1	56.2
0°-90°	1795.7	84.4
90°-120°	262.4	12.3
90°-150°	330.0	15.5
90°-180°	332.0	15.6
0°-180°	2128.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	507	507	507	507	507	
5°	512	509	503	503	499	49
15°	490	489	484	486	482	138
25°	448	448	449	458	457	206
35°	390	394	408	421	424	244
45°	320	334	359	380	385	247
55°	242	269	308	338	347	218
65°	163	200	255	294	305	162
75°	86	137	204	248	262	91
85°	19	84	158	206	220	22
90°	0	65	138	185	199	1
95°	1	51	120	166	181	0
105°	0	32	89	130	143	0
115°	0	20	65	98	108	0
125°	0	13	45	70	78	0
135°	0	8	28	46	51	0
145°	0	3	14	26	28	0
155°	0	1	4	8	9	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°	506.7	506.7	506.7	506.7	506.7
2.5°	514.3	510.5	504.1	504.1	500.3
5°	511.8	509.2	502.8	502.8	499.0
7.5°	509.2	506.7	499.0	500.3	496.5
10°	504.1	501.6	495.2	496.5	492.6
12.5°	497.7	495.2	490.1	491.3	487.5
15°	490.1	488.8	483.7	486.2	482.4
17.5°	481.1	479.9	476.0	479.9	477.3
20°	470.9	470.9	468.4	473.5	470.9
22.5°	459.4	459.4	458.2	465.8	463.3
25°	448.0	448.0	449.2	458.2	456.9
27.5°	435.2	436.5	440.3	450.5	449.2
30°	421.2	423.7	430.1	441.6	441.6
32.5°	405.8	408.4	418.6	432.6	432.6
35°	390.5	394.4	408.4	421.2	423.7
37.5°	372.7	379.0	395.6	410.9	413.5
40°	356.1	365.0	382.9	400.7	404.6
42.5°	338.2	349.7	371.4	391.8	395.6
45°	320.3	334.4	358.6	380.3	385.4
47.5°	302.5	317.8	347.1	370.1	377.8
50°	282.0	301.2	333.1	359.9	366.3
52.5°	262.9	284.6	320.3	348.4	357.3
55°	242.5	269.3	307.6	338.2	347.1
57.5°	224.6	251.4	293.5	328.0	336.9
60°	204.2	233.5	280.8	315.2	325.4
62.5°	183.8	218.2	268.0	305.0	316.5
65°	163.4	200.4	255.2	293.5	305.0
67.5°	144.2	183.8	241.2	282.0	294.8
70°	123.8	167.2	228.4	270.6	283.3
72.5°	104.7	151.9	217.0	259.1	273.1
75°	85.5	136.6	204.2	247.6	261.6
77.5°	67.6	122.5	191.4	237.4	252.7
80°	48.5	108.5	179.9	225.9	241.2
82.5°	33.2	95.7	169.7	215.7	229.7
85°	19.1	84.2	158.3	205.5	219.5
87.5°	7.7	74.0	146.8	194.0	209.3
90°	0.0	65.1	137.8	185.1	199.1
92.5°	0.0	57.4	128.9	174.8	190.2
95°	1.3	51.0	120.0	165.9	181.2
97.5°	0.0	44.7	112.3	157.0	171.0
100°	0.0	40.8	104.7	148.0	162.1
102.5°	0.0	35.7	97.0	139.1	153.1
105°	0.0	31.9	89.3	130.2	142.9
107.5°	0.0	29.4	83.0	122.5	134.0
110°	0.0	25.5	76.6	114.9	126.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	23.0	70.2	105.9	117.4
115°	0.0	20.4	65.1	98.3	108.5
117.5°	0.0	19.1	58.7	90.6	100.8
120°	0.0	16.6	53.6	84.2	93.2
122.5°	0.0	15.3	49.8	76.6	85.5
125°	0.0	12.8	44.7	70.2	77.8
127.5°	0.0	11.5	39.6	63.8	70.2
130°	0.0	10.2	35.7	57.4	63.8
132.5°	0.0	8.9	31.9	51.0	57.4
135°	0.0	7.7	28.1	45.9	51.0
137.5°	0.0	6.4	24.2	39.6	44.7
140°	0.0	5.1	20.4	34.5	38.3
142.5°	0.0	3.8	17.9	29.4	33.2
145°	0.0	2.6	14.0	25.5	28.1
147.5°	0.0	2.6	11.5	20.4	23.0
150°	0.0	1.3	7.7	16.6	17.9
152.5°	0.0	1.3	6.4	12.8	12.8
155°	0.0	1.3	3.8	7.7	8.9
157.5°	0.0	0.0	2.6	5.1	5.1
160°	0.0	0.0	1.3	2.6	3.8
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)