

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: P217936

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217936  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-20SL-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2000.0 lumens  
Efficiency: N/A  
Efficacy: 137.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

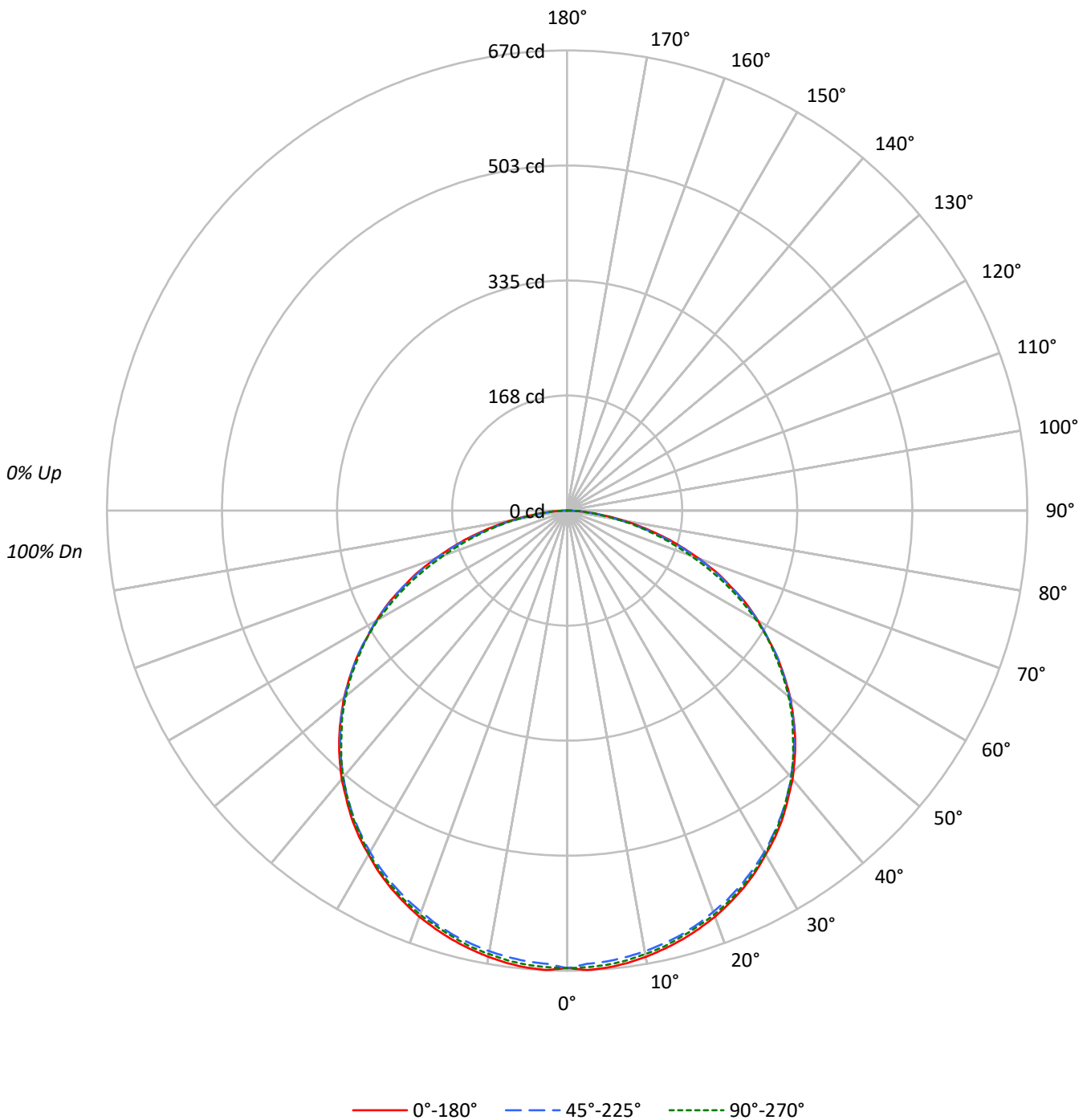
Input Watts (W): 14.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23					23			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	10733	10733	10733
5°	10769	10017	9876
10°	10719	9436	9121
15°	10669	8914	8455
20°	10631	8408	7870
25°	10579	7946	7321
30°	10505	7495	6805
35°	10456	7047	6297
40°	10375	6591	5807
45°	10272	6136	5296
50°	10125	5651	4810
55°	9921	5123	4289
60°	9644	4544	3745
65°	9221	3905	3103
70°	8622	3158	2400
75°	7714	2275	1720
80°	6175	1351	1068
85°	3805	583	433



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.1	3.2
10°-20°	181.7	9.1
20°-30°	278.4	13.9
30°-40°	340.8	17.0
40°-50°	360.6	18.0
50°-60°	333.5	16.7
60°-70°	259.0	13.0
70°-80°	145.9	7.3
80°-90°	36.9	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	523.3	26.2
0°-40°	864.0	43.2
0°-60°	1558.2	77.9
0°-90°	2000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2000.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	666	666	666	666	666	
5°	668	665	659	665	664	63
15°	647	645	640	645	643	183
25°	607	604	600	605	604	280
35°	547	545	543	544	544	342
45°	470	469	468	467	465	362
55°	374	376	374	373	371	334
65°	264	266	264	261	256	261
75°	143	143	137	134	131	151
85°	30	30	30	30	29	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	666.1	666.1	666.1	666.1	666.1
2.5°	669.5	666.8	660.6	666.8	665.4
5°	668.2	665.4	659.2	665.4	664.0
7.5°	664.7	662.6	655.7	661.9	660.6
10°	659.9	657.8	651.6	657.8	655.7
12.5°	653.6	651.6	646.0	651.6	650.2
15°	646.7	644.6	639.8	645.3	642.6
17.5°	638.4	637.0	631.5	637.0	634.3
20°	629.4	626.7	621.8	627.3	626.0
22.5°	618.4	617.0	612.1	617.0	615.6
25°	606.6	604.5	600.4	605.2	603.8
27.5°	593.5	592.1	587.9	591.4	591.4
30°	578.2	577.5	574.1	577.5	576.9
32.5°	563.7	562.3	558.9	561.6	560.3
35°	547.1	545.0	543.0	544.3	544.3
37.5°	528.4	527.7	525.7	527.7	525.7
40°	510.5	509.1	507.0	507.7	507.7
42.5°	490.4	489.7	487.6	487.6	486.9
45°	469.6	469.0	467.6	466.9	464.8
47.5°	446.8	446.1	446.1	445.4	444.1
50°	424.0	424.0	423.3	421.2	420.5
52.5°	399.1	400.5	398.4	397.0	396.3
55°	374.2	375.6	374.2	372.8	370.7
57.5°	346.5	349.3	347.2	346.5	345.8
60°	320.9	322.3	320.9	318.9	317.5
62.5°	294.7	294.7	292.6	291.2	287.0
65°	263.5	265.6	264.2	260.8	255.9
67.5°	235.9	234.5	233.1	228.9	223.4
70°	204.0	204.7	202.7	196.4	190.9
72.5°	173.6	175.0	170.8	162.5	161.2
75°	143.2	143.2	137.0	133.5	130.7
77.5°	112.1	112.7	104.4	103.8	103.1
80°	82.3	83.7	75.4	77.5	76.8
82.5°	56.0	54.6	51.2	51.2	50.5
85°	30.4	30.4	29.7	29.7	29.1
87.5°	11.8	12.5	13.8	15.2	14.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)