

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: P218598

Luminaire Tested: **2SNLED-LD5-18SL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218598  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNLED-LD5-18SL-RW-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1886.0 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')  
CIE Type: Direct

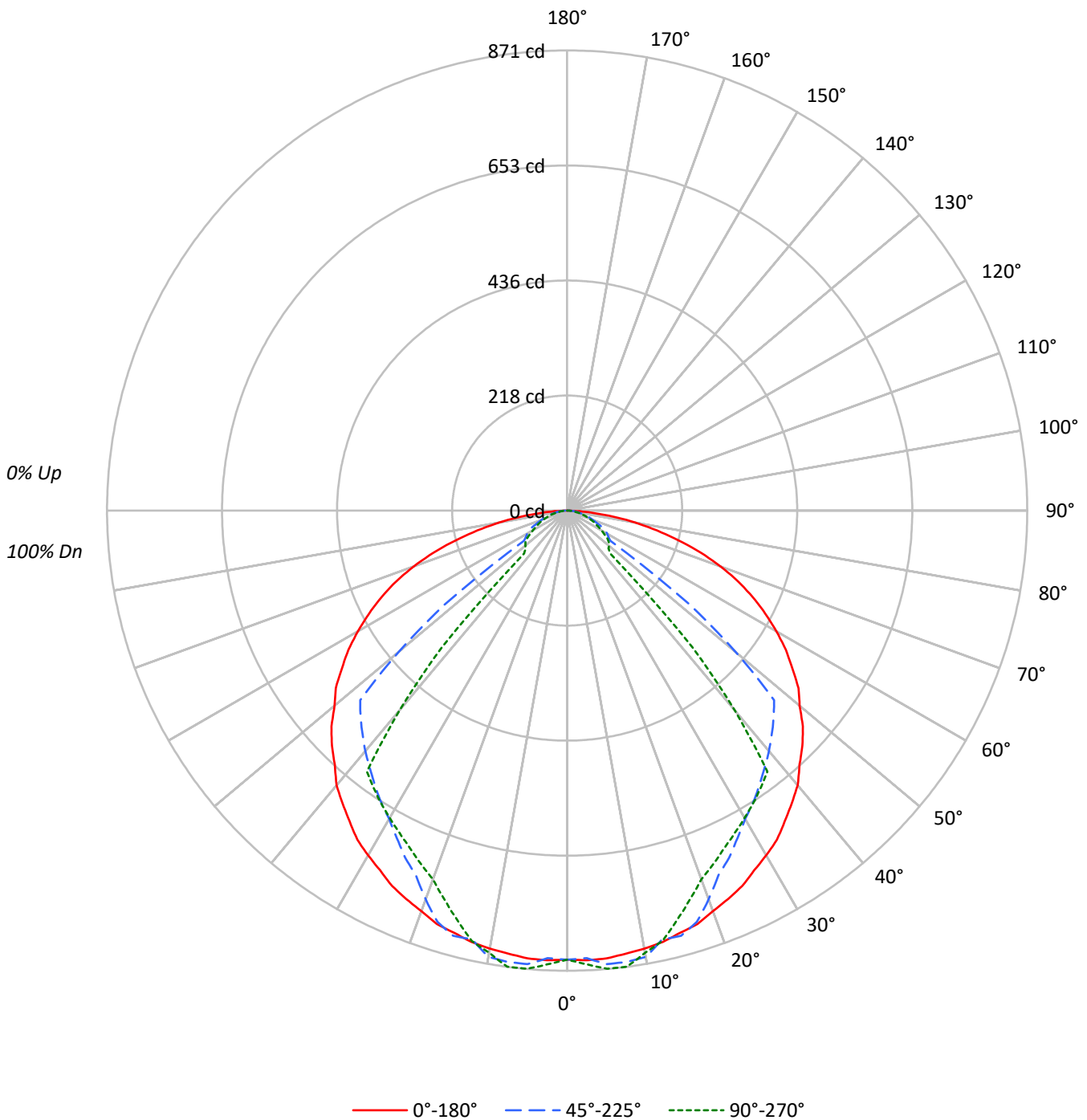
Input Watts (W): 15.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89					87				
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77					75				
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67					65				
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59					57				
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52					50				
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47					45				
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42					40				
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38					36				
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34					33				
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32					30				

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

	0°	45°	90°
0°	27390	27390	27390
5°	27327	26125	25898
10°	27157	24730	23644
15°	26998	23064	21122
20°	26850	20998	18674
25°	26833	18994	17082
30°	26750	17387	15851
35°	26691	16247	14796
40°	26687	15216	11273
45°	26483	14268	2623
50°	26197	10905	2363
55°	26124	2667	2164
60°	25756	2426	1765
65°	25068	2043	1455
70°	23675	1581	1139
75°	20733	1174	829
80°	16361	785	520
85°	8741	447	235



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.0	4.4
10°-20°	232.6	12.3
20°-30°	342.6	18.2
30°-40°	412.3	21.9
40°-50°	353.1	18.7
50°-60°	228.5	12.1
60°-70°	151.9	8.1
70°-80°	64.8	3.4
80°-90°	18.1	1.0
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°	657.2	34.8
0°-40°	1069.5	56.7
0°-60°	1651.2	87.5
0°-90°	1886.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1886.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	850	850	850	850	850	
5°	851	854	862	872	871	81
15°	827	850	833	816	803	234
25°	784	789	725	709	704	361
35°	718	691	634	639	639	450
45°	630	560	553	337	115	485
55°	520	442	99	94	94	465
65°	388	278	71	61	60	382
75°	218	51	36	32	32	231
85°	46	14	12	9	8	59
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	849.9	849.9	849.9	849.9	849.9
2.5°	851.9	849.0	848.0	858.8	859.8
5°	850.9	853.9	861.7	871.6	870.6
7.5°	846.0	855.8	861.7	876.5	870.6
10°	842.1	859.8	857.8	858.8	849.9
12.5°	836.2	852.9	831.3	846.0	834.2
15°	827.3	849.9	833.2	815.5	802.7
17.5°	820.4	844.0	816.5	774.2	772.2
20°	806.7	819.4	783.0	752.6	742.7
22.5°	795.8	810.6	747.6	727.0	724.0
25°	784.0	789.0	725.0	709.3	704.4
27.5°	767.3	777.1	698.4	690.6	687.6
30°	753.5	753.5	673.9	673.9	671.9
32.5°	738.8	722.1	655.2	656.1	656.1
35°	718.1	690.6	634.5	639.4	639.4
37.5°	698.4	652.2	613.8	621.7	622.7
40°	678.8	622.7	594.2	603.0	492.8
42.5°	651.2	590.2	573.5	464.3	351.2
45°	629.6	559.7	552.9	337.4	115.1
47.5°	605.0	530.2	531.2	107.2	106.2
50°	574.5	499.7	416.1	101.3	103.3
52.5°	551.9	472.2	293.2	98.4	99.4
55°	520.4	441.7	99.4	94.4	93.5
57.5°	490.9	413.2	92.5	87.6	83.6
60°	457.4	382.7	87.6	77.7	74.8
62.5°	423.0	352.2	80.7	68.9	66.9
65°	387.6	278.4	70.8	61.0	60.0
67.5°	350.2	183.0	60.0	54.1	53.1
70°	308.9	71.8	52.1	47.2	45.3
72.5°	265.6	62.0	44.3	40.3	38.4
75°	218.4	51.2	36.4	32.5	31.5
77.5°	174.1	38.4	29.5	25.6	24.6
80°	129.9	28.5	22.6	19.7	18.7
82.5°	88.5	20.7	16.7	13.8	12.8
85°	46.2	13.8	11.8	8.9	7.9
87.5°	17.7	8.9	6.9	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)