

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: P218550

Luminaire Tested: **4SNLED-LD5-18SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218550
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: 4SNLED-LD5-18SL-RW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1955.0 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

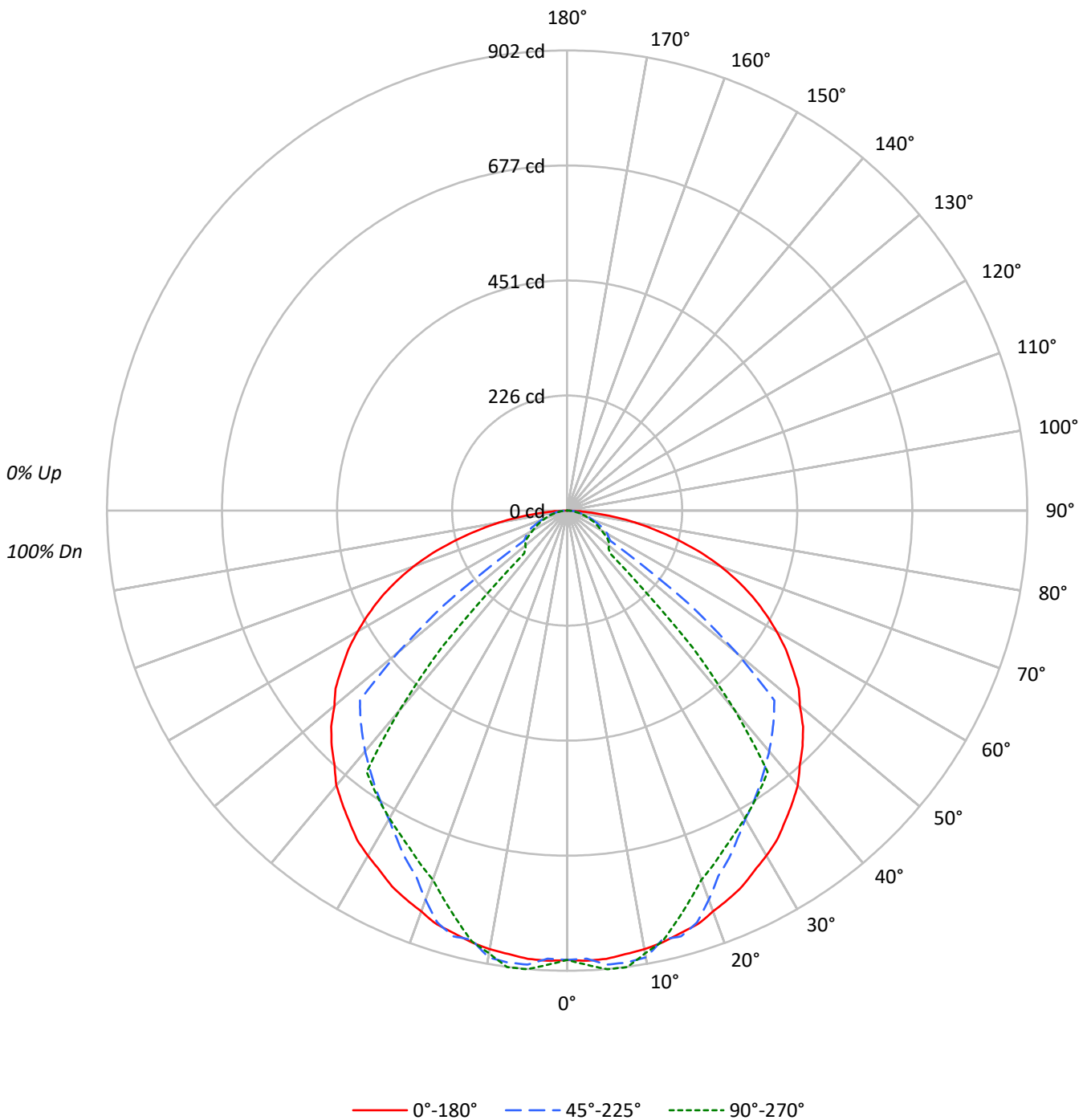
Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	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°	14196	14196	14196
5°	14216	13574	13424
10°	14178	12877	12254
15°	14148	12033	10948
20°	14124	10976	9679
25°	14173	9945	8853
30°	14191	9119	8216
35°	14227	8535	7668
40°	14299	8007	5843
45°	14276	7520	1359
50°	14221	5758	1225
55°	14301	1410	1121
60°	14252	1286	914
65°	14061	1085	754
70°	13533	841	590
75°	12195	626	429
80°	10099	421	270
85°	5995	239	122



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	4.4
10°-20°	241.1	12.3
20°-30°	355.1	18.2
30°-40°	427.4	21.9
40°-50°	366.1	18.7
50°-60°	236.9	12.1
60°-70°	157.5	8.1
70°-80°	67.2	3.4
80°-90°	18.8	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°	681.2	34.8
0°-40°	1108.7	56.7
0°-60°	1711.6	87.5
0°-90°	1955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1955.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	881	881	881	881	881	
5°	882	885	893	904	902	84
15°	858	881	864	845	832	243
25°	813	818	752	735	730	374
35°	744	716	658	663	663	466
45°	653	580	573	350	119	503
55°	539	458	103	98	97	482
65°	402	289	73	63	62	396
75°	226	53	38	34	33	240
85°	48	14	12	9	8	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	881.0	881.0	881.0	881.0	881.0
2.5°	883.1	880.0	879.0	890.2	891.2
5°	882.1	885.1	893.3	903.5	902.5
7.5°	877.0	887.2	893.3	908.6	902.5
10°	872.9	891.2	889.2	890.2	881.0
12.5°	866.8	884.1	861.7	877.0	864.7
15°	857.6	881.0	863.7	845.3	832.1
17.5°	850.4	874.9	846.4	802.5	800.5
20°	836.2	849.4	811.7	780.1	769.9
22.5°	825.0	840.2	775.0	753.6	750.5
25°	812.7	817.8	751.5	735.2	730.1
27.5°	795.4	805.6	724.0	715.8	712.8
30°	781.1	781.1	698.5	698.5	696.5
32.5°	765.8	748.5	679.1	680.2	680.2
35°	744.4	715.8	657.7	662.8	662.8
37.5°	724.0	676.1	636.3	644.5	645.5
40°	703.6	645.5	615.9	625.1	510.9
42.5°	675.1	611.8	594.5	481.3	364.0
45°	652.6	580.2	573.1	349.8	119.3
47.5°	627.1	549.6	550.6	111.1	110.1
50°	595.5	518.0	431.3	105.0	107.1
52.5°	572.1	489.5	303.9	102.0	103.0
55°	539.4	457.9	103.0	97.9	96.9
57.5°	508.8	428.3	95.9	90.8	86.7
60°	474.2	396.7	90.8	80.6	77.5
62.5°	438.5	365.1	83.6	71.4	69.3
65°	401.8	288.6	73.4	63.2	62.2
67.5°	363.0	189.7	62.2	56.1	55.1
70°	320.2	74.4	54.0	48.9	46.9
72.5°	275.3	64.2	45.9	41.8	39.8
75°	226.4	53.0	37.7	33.7	32.6
77.5°	180.5	39.8	30.6	26.5	25.5
80°	134.6	29.6	23.5	20.4	19.4
82.5°	91.8	21.4	17.3	14.3	13.3
85°	47.9	14.3	12.2	9.2	8.2
87.5°	18.4	9.2	7.1	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)