

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: P218628

Luminaire Tested: **2SNLED-LD5-18SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218628
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2043.0 lumens
Efficiency: N/A
Efficacy: 128.5 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

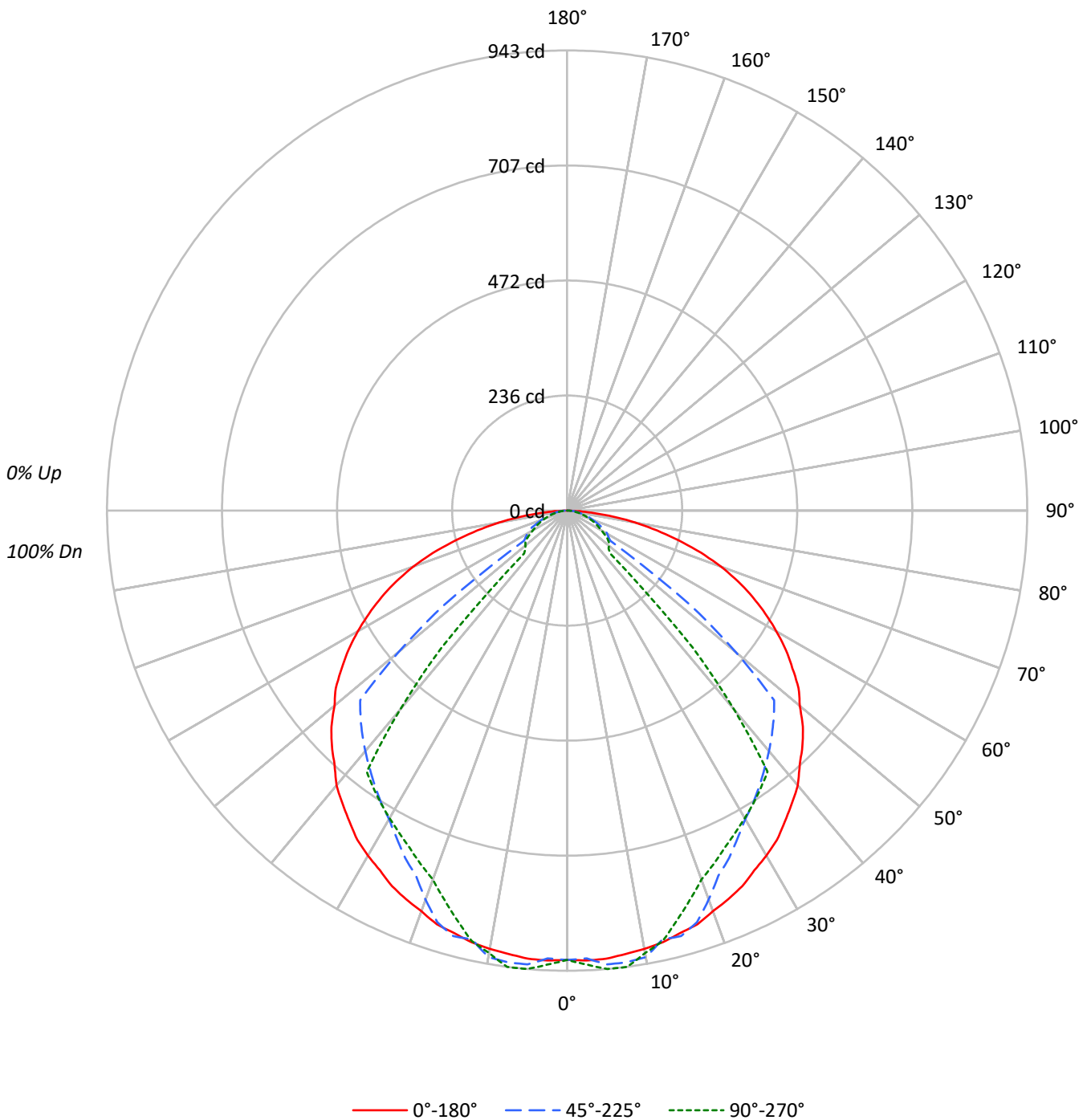
Input Watts (W): 15.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218628

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L840-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218628

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L840-CD1-U

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29672	29672	29672
5°	29604	28302	28055
10°	29418	26789	25613
15°	29247	24985	22880
20°	29084	22747	20228
25°	29068	20577	18503
30°	28980	18834	17170
35°	28914	17599	16029
40°	28908	16481	12213
45°	28688	15455	2842
50°	28376	11814	2560
55°	28298	2887	2342
60°	27902	2626	1911
65°	27157	2213	1576
70°	25645	1715	1232
75°	22461	1271	897
80°	17721	851	562
85°	9479	485	253



TEST NUMBER: P218628

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L840-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	4.4
10°-20°	252.0	12.3
20°-30°	371.1	18.2
30°-40°	446.7	21.9
40°-50°	382.5	18.7
50°-60°	247.5	12.1
60°-70°	164.5	8.1
70°-80°	70.2	3.4
80°-90°	19.6	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°	711.9	34.8
0°-40°	1158.6	56.7
0°-60°	1788.7	87.5
0°-90°	2043.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2043.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	921	921	921	921	921	
5°	922	925	934	944	943	88
15°	896	921	903	883	870	253
25°	849	855	785	768	763	391
35°	778	748	687	693	693	487
45°	682	606	599	366	125	526
55°	564	478	108	102	101	504
65°	420	302	77	66	65	414
75°	237	55	39	35	34	251
85°	50	15	13	10	8	64
90°	0	0	0	0	0	



TEST NUMBER: P218628

CATALOG NUMBER: 2SNLED-LD5-18SL-RW-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	920.7	920.7	920.7	920.7	920.7
2.5°	922.8	919.6	918.6	930.3	931.4
5°	921.8	925.0	933.5	944.1	943.1
7.5°	916.4	927.1	933.5	949.5	943.1
10°	912.2	931.4	929.2	930.3	920.7
12.5°	905.8	923.9	900.4	916.4	903.6
15°	896.2	920.7	902.6	883.4	869.5
17.5°	888.7	914.3	884.5	838.6	836.5
20°	873.8	887.7	848.2	815.2	804.5
22.5°	862.1	878.1	809.9	787.5	784.3
25°	849.3	854.6	785.4	768.3	763.0
27.5°	831.2	841.8	756.6	748.1	744.9
30°	816.3	816.3	730.0	730.0	727.8
32.5°	800.3	782.2	709.7	710.8	710.8
35°	777.9	748.1	687.3	692.7	692.7
37.5°	756.6	706.5	664.9	673.5	674.5
40°	735.3	674.5	643.6	653.2	533.9
42.5°	705.4	639.4	621.3	503.0	380.4
45°	682.0	606.3	598.9	365.5	124.7
47.5°	655.4	574.4	575.4	116.2	115.1
50°	622.3	541.3	450.8	109.8	111.9
52.5°	597.8	511.5	317.6	106.6	107.6
55°	563.7	478.5	107.6	102.3	101.2
57.5°	531.7	447.6	100.2	94.8	90.6
60°	495.5	414.5	94.8	84.2	81.0
62.5°	458.2	381.5	87.4	74.6	72.5
65°	419.9	301.6	76.7	66.1	65.0
67.5°	379.4	198.2	65.0	58.6	57.5
70°	334.6	77.8	56.5	51.1	49.0
72.5°	287.7	67.1	48.0	43.7	41.6
75°	236.6	55.4	39.4	35.2	34.1
77.5°	188.6	41.6	32.0	27.7	26.6
80°	140.7	30.9	24.5	21.3	20.2
82.5°	95.9	22.4	18.1	14.9	13.9
85°	50.1	14.9	12.8	9.6	8.5
87.5°	19.2	9.6	7.5	4.3	4.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)