

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: P218549

Luminaire Tested: **4SNLED-LD5-18SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218549
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1917.0 lumens
Efficiency: N/A
Efficacy: 131.3 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

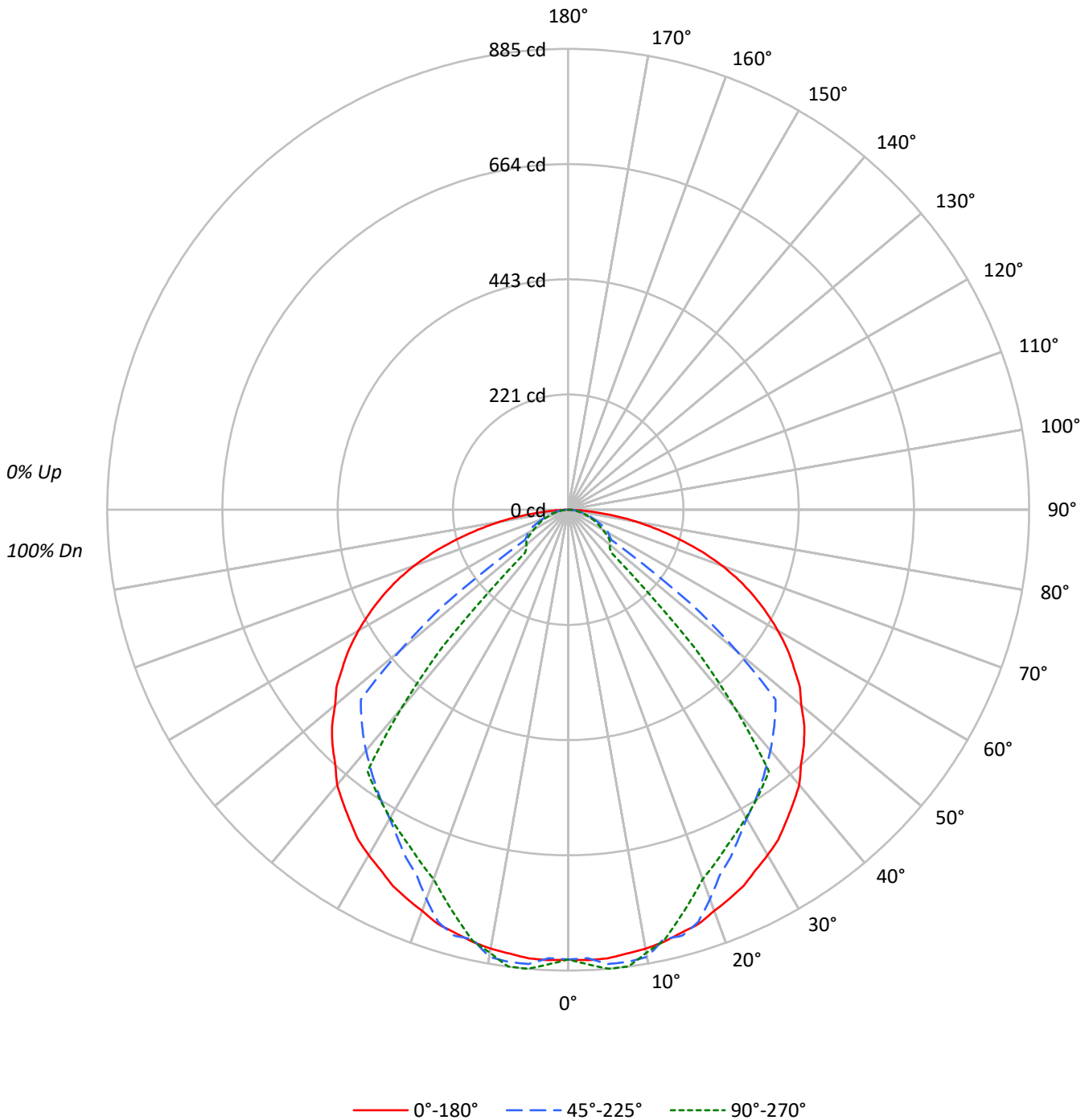
Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218549

CATALOG NUMBER: 4SNLED-LD5-18SL-RW-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218549

CATALOG NUMBER: 4SNLED-LD5-18SL-RW-UNV-L835-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				
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°	13921	13921	13921
5°	13939	13310	13162
10°	13902	12626	12016
15°	13873	11799	10735
20°	13849	10762	9491
25°	13898	9752	8681
30°	13915	8941	8055
35°	13950	8369	7519
40°	14021	7851	5729
45°	13998	7373	1333
50°	13944	5647	1201
55°	14022	1383	1099
60°	13975	1260	896
65°	13788	1064	740
70°	13271	826	578
75°	11958	614	421
80°	9904	412	264
85°	5882	236	119



TEST NUMBER: P218549

CATALOG NUMBER: 4SNLED-LD5-18SL-RW-UNV-L835-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	4.4
10°-20°	236.4	12.3
20°-30°	348.2	18.2
30°-40°	419.1	21.9
40°-50°	358.9	18.7
50°-60°	232.3	12.1
60°-70°	154.4	8.1
70°-80°	65.9	3.4
80°-90°	18.4	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°	668.0	34.8
0°-40°	1087.1	56.7
0°-60°	1678.3	87.5
0°-90°	1917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1917.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	864	864	864	864	864	
5°	865	868	876	886	885	82
15°	841	864	847	829	816	238
25°	797	802	737	721	716	367
35°	730	702	645	650	650	457
45°	640	569	562	343	117	493
55°	529	449	101	96	95	473
65°	394	283	72	62	61	389
75°	222	52	37	33	32	235
85°	47	14	12	9	8	60
90°	0	0	0	0	0	



TEST NUMBER: P218549

CATALOG NUMBER: 4SNLED-LD5-18SL-RW-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	863.9	863.9	863.9	863.9	863.9
2.5°	865.9	862.9	861.9	872.9	873.9
5°	864.9	867.9	875.9	885.9	884.9
7.5°	859.9	869.9	875.9	890.9	884.9
10°	855.9	873.9	871.9	872.9	863.9
12.5°	849.9	866.9	844.9	859.9	847.9
15°	840.9	863.9	846.9	828.9	815.9
17.5°	833.9	857.9	829.9	786.9	784.9
20°	819.9	832.9	795.9	764.9	754.9
22.5°	808.9	823.9	759.9	738.9	735.9
25°	796.9	801.9	736.9	720.9	715.9
27.5°	779.9	789.9	709.9	701.9	698.9
30°	765.9	765.9	684.9	684.9	682.9
32.5°	750.9	733.9	665.9	666.9	666.9
35°	729.9	701.9	644.9	649.9	649.9
37.5°	709.9	662.9	623.9	631.9	632.9
40°	689.9	632.9	603.9	612.9	500.9
42.5°	661.9	599.9	582.9	472.0	357.0
45°	639.9	568.9	561.9	343.0	117.0
47.5°	614.9	538.9	539.9	109.0	108.0
50°	583.9	507.9	423.0	103.0	105.0
52.5°	560.9	480.0	298.0	100.0	101.0
55°	528.9	449.0	101.0	96.0	95.0
57.5°	499.0	420.0	94.0	89.0	85.0
60°	465.0	389.0	89.0	79.0	76.0
62.5°	430.0	358.0	82.0	70.0	68.0
65°	394.0	283.0	72.0	62.0	61.0
67.5°	356.0	186.0	61.0	55.0	54.0
70°	314.0	73.0	53.0	48.0	46.0
72.5°	270.0	63.0	45.0	41.0	39.0
75°	222.0	52.0	37.0	33.0	32.0
77.5°	177.0	39.0	30.0	26.0	25.0
80°	132.0	29.0	23.0	20.0	19.0
82.5°	90.0	21.0	17.0	14.0	13.0
85°	47.0	14.0	12.0	9.0	8.0
87.5°	18.0	9.0	7.0	4.0	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)