

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: P218056

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218056
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-18SL-LC-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1954.9 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

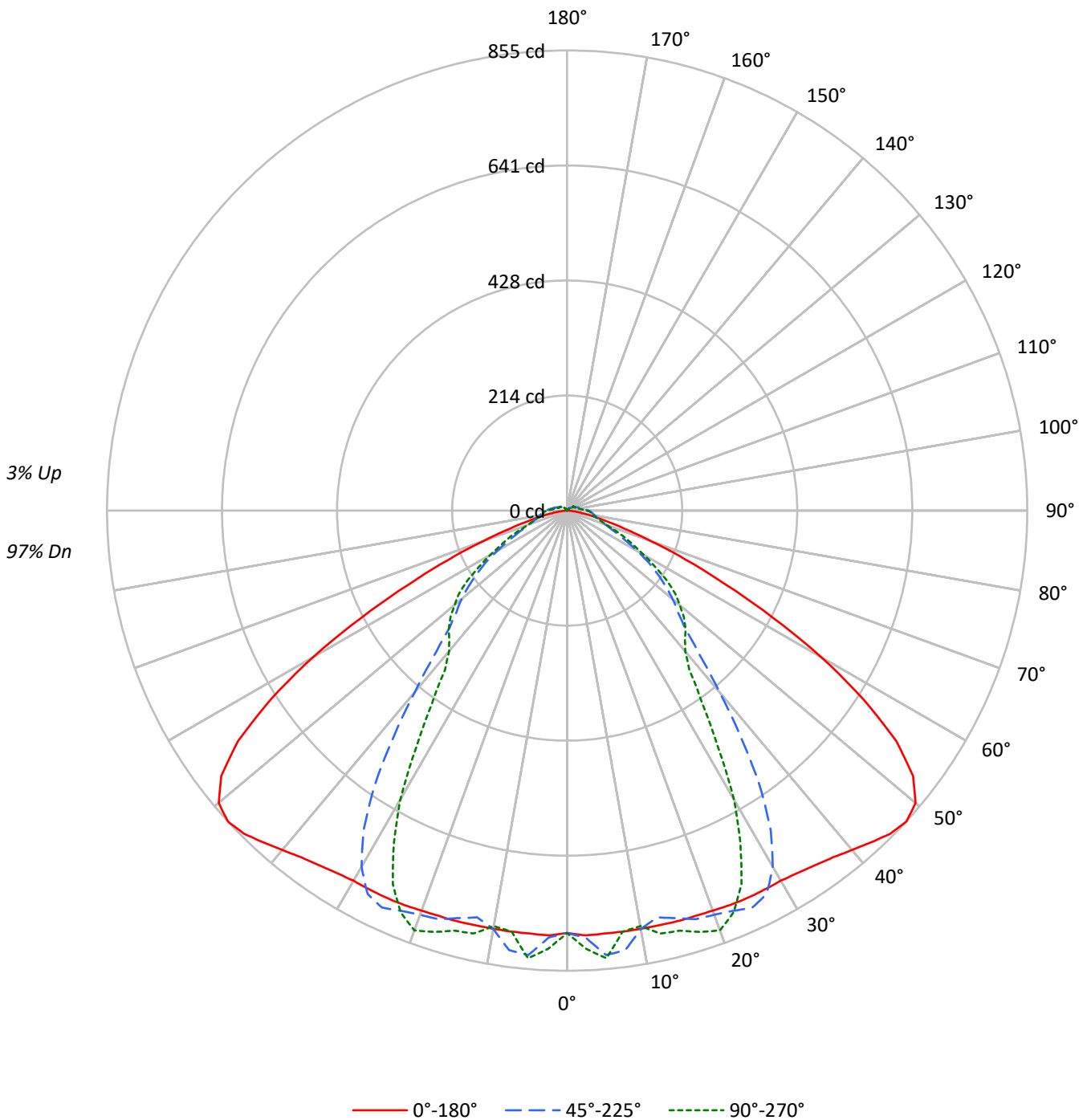
Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218056

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

Luminous Intensity Polar Plot





TEST NUMBER: P218056

CATALOG NUMBER: 4SNLED-LD5-18SL-LC-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	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	54
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	48
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	43
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	38
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	34
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12649	12649	12649
5°	12716	12597	12420
10°	12815	11426	10905
15°	13033	10923	10631
20°	13361	10804	10435
25°	13847	10772	9288
30°	14426	9974	7314
35°	15366	8098	5068
40°	16726	5720	3900
45°	18572	4068	3544
50°	20179	3417	3122
55°	19778	2807	2603
60°	16409	2124	1946
65°	11338	1537	1431
70°	7058	1169	981
75°	3986	996	776
80°	2251	932	668
85°	1001	903	669



TEST NUMBER: P218056

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	3.9
10°-20°	227.3	11.6
20°-30°	361.1	18.5
30°-40°	389.4	19.9
40°-50°	335.6	17.2
50°-60°	254.1	13.0
60°-70°	137.3	7.0
70°-80°	65.2	3.3
80°-90°	40.9	2.1
90°-100°	26.0	1.3
100°-110°	16.7	0.9
110°-120°	11.2	0.6
120°-130°	7.4	0.4
130°-140°	3.6	0.2
140°-150°	1.5	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	665.5	34.0
0°-40°	1054.9	54.0
0°-60°	1644.6	84.1
0°-90°	1887.9	96.6
90°-120°	53.9	2.8
90°-150°	66.4	3.4
90°-180°	67.0	3.4
0°-180°	1954.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	785	785	785	785	785	
5°	789	806	829	840	835	75
15°	790	811	784	811	808	224
25°	794	779	814	792	766	367
35°	804	774	624	477	438	506
45°	849	532	310	307	311	654
55°	746	230	205	224	225	649
65°	324	98	104	117	118	333
75°	74	51	60	60	59	87
85°	8	31	46	46	45	12
90°	0	24	40	39	36	0
95°	0	19	32	29	27	0
105°	0	12	22	20	18	0
115°	0	7	15	15	15	0
125°	0	4	10	13	12	0
135°	0	2	6	7	7	0
145°	0	1	3	4	3	0
155°	0	1	1	2	1	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218056

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	785	785	785	785	785
2.5°	790	791	794	809	815
5°	789	806	829	840	835
7.5°	789	824	824	803	789
10°	789	834	789	785	784
12.5°	789	828	774	802	805
15°	790	811	784	811	808
17.5°	790	791	796	817	821
20°	791	778	799	833	830
22.5°	793	776	805	826	808
25°	794	779	814	792	766
27.5°	794	783	803	740	697
30°	794	785	764	668	620
32.5°	798	783	704	574	522
35°	804	774	624	477	438
37.5°	812	750	530	399	373
40°	823	698	440	349	341
42.5°	836	622	366	324	324
45°	849	532	310	307	311
47.5°	855	444	279	290	294
50°	845	362	256	271	273
52.5°	810	289	230	248	253
55°	746	230	205	224	225
57.5°	653	183	179	194	193
60°	546	148	150	165	165
62.5°	431	120	126	139	138
65°	324	98	104	117	118
67.5°	239	81	88	97	95
70°	167	68	75	80	78
72.5°	111	58	66	68	67
75°	74	51	60	60	59
77.5°	48	45	56	55	53
80°	30	40	52	50	48
82.5°	18	35	49	47	45
85°	8	31	46	46	45
87.5°	3	28	43	44	42
90°	0	24	40	39	36
92.5°	0	22	36	33	31
95°	0	19	32	29	27
97.5°	0	17	29	26	24
100°	0	15	26	23	21
102.5°	0	13	24	21	20
105°	0	12	22	20	18
107.5°	0	11	20	18	17
110°	0	9	18	17	16



TEST NUMBER: P218056

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0	8	16	16	16
115°	0	7	15	15	15
117.5°	0	6	13	15	15
120°	0	6	12	14	14
122.5°	0	5	11	14	14
125°	0	4	10	13	12
127.5°	0	3	9	11	11
130°	0	3	8	10	9
132.5°	0	2	7	8	8
135°	0	2	6	7	7
137.5°	0	2	5	6	5
140°	0	1	4	5	4
142.5°	0	1	4	5	4
145°	0	1	3	4	3
147.5°	0	1	2	3	3
150°	0	1	2	3	2
152.5°	0	1	2	2	1
155°	0	1	1	2	1
157.5°	0	1	1	1	1
160°	1	1	1	1	0
162.5°	0	0	0	0	0
165°	0	0	0	0	0
167.5°	0	0	0	0	0
170°	0	0	0	0	0
172.5°	0	0	0	0	0
175°	0	0	0	0	0
177.5°	0	0	0	0	0
180°	0	0	0	0	0

(END OF REPORT)