

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: P218176

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-18SL-LN-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1898.1 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

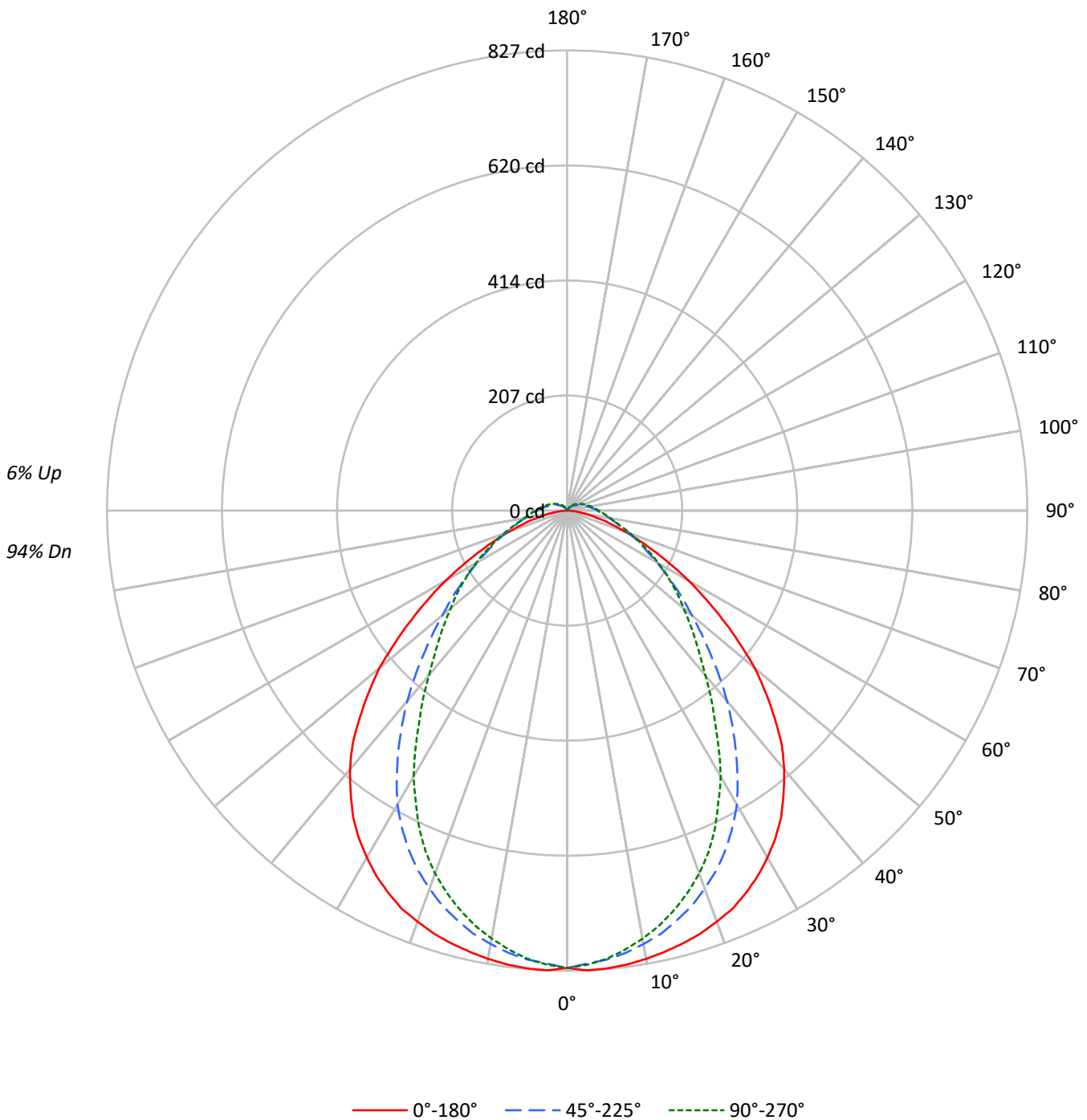
Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13245	13245	13245
5°	13312	12309	12033
10°	13286	11455	10863
15°	13281	10616	9775
20°	13276	9777	8725
25°	13237	8906	7627
30°	13081	7963	6511
35°	12824	6865	5357
40°	12336	5811	4415
45°	11528	4776	3703
50°	10507	3898	3122
55°	9041	3217	2661
60°	7574	2634	2229
65°	6019	2187	1843
70°	4691	1838	1521
75°	3555	1561	1263
80°	2476	1380	1085
85°	1502	1256	982



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	4.1
10°-20°	216.9	11.4
20°-30°	314.1	16.5
30°-40°	341.8	18.0
40°-50°	303.6	16.0
50°-60°	231.1	12.2
60°-70°	153.4	8.1
70°-80°	93.5	4.9
80°-90°	57.9	3.1
90°-100°	39.6	2.1
100°-110°	27.8	1.5
110°-120°	18.9	1.0
120°-130°	12.0	0.6
130°-140°	6.8	0.4
140°-150°	3.2	0.2
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	608.2	32.0
0°-40°	950.1	50.1
0°-60°	1484.7	78.2
0°-90°	1789.6	94.3
90°-120°	86.2	4.5
90°-150°	108.3	5.7
90°-180°	108.0	5.7
0°-180°	1898.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	822	822	822	822	822	
5°	826	821	810	814	809	79
15°	805	791	762	753	743	227
25°	759	725	673	646	629	349
35°	671	611	529	483	463	418
45°	527	448	364	333	325	406
55°	341	277	235	231	230	306
65°	172	148	148	154	152	173
75°	66	75	94	99	96	71
85°	12	38	64	68	66	14
90°	0	28	54	59	57	1
95°	0	22	46	51	50	0
105°	0	14	33	38	38	0
115°	0	9	24	29	28	0
125°	0	6	16	20	20	0
135°	0	4	11	14	14	0
145°	0	2	6	8	8	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	822	822	822	822	822
2.5°	827	823	815	820	817
5°	826	821	810	814	809
7.5°	823	817	802	804	796
10°	818	810	791	789	781
12.5°	812	802	779	772	764
15°	805	791	762	753	743
17.5°	797	778	745	731	720
20°	786	763	723	706	694
22.5°	775	745	700	677	664
25°	759	725	673	646	629
27.5°	741	702	643	608	589
30°	720	675	610	569	552
32.5°	697	645	570	526	507
35°	671	611	529	483	463
37.5°	639	574	488	441	425
40°	607	535	447	403	386
42.5°	571	492	405	365	353
45°	527	448	364	333	325
47.5°	484	403	327	305	298
50°	440	359	292	278	273
52.5°	389	316	263	254	252
55°	341	277	235	231	230
57.5°	295	240	209	212	210
60°	252	206	186	190	189
62.5°	210	175	165	173	171
65°	172	148	148	154	152
67.5°	139	126	132	138	136
70°	111	106	118	123	121
72.5°	86	89	104	110	107
75°	66	75	94	99	96
77.5°	47	63	85	89	86
80°	33	53	77	81	78
82.5°	21	45	70	74	72
85°	12	38	64	68	66
87.5°	6	33	58	63	61
90°	0	28	54	59	57
92.5°	0	25	50	55	53
95°	0	22	46	51	50
97.5°	0	20	43	48	46
100°	0	17	39	44	43
102.5°	0	16	36	41	40
105°	0	14	33	38	38
107.5°	0	13	31	36	35
110°	0	11	28	33	33



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0	10	26	31	30
115°	0	9	24	29	28
117.5°	0	9	22	26	26
120°	0	8	20	24	24
122.5°	0	7	18	22	22
125°	0	6	16	20	20
127.5°	0	6	15	19	19
130°	0	5	13	17	17
132.5°	0	4	12	15	15
135°	0	4	11	14	14
137.5°	0	3	9	12	12
140°	0	3	8	11	11
142.5°	0	2	7	10	9
145°	0	2	6	8	8
147.5°	0	1	5	7	7
150°	0	1	4	6	5
152.5°	0	0	0	0	0
155°	0	0	0	0	0
157.5°	0	0	0	0	0
160°	0	0	0	0	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)