

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: P#

Luminaire Tested: **2SNLED-LD5-18SL-SLC-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-18SL-SLC-UNV-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

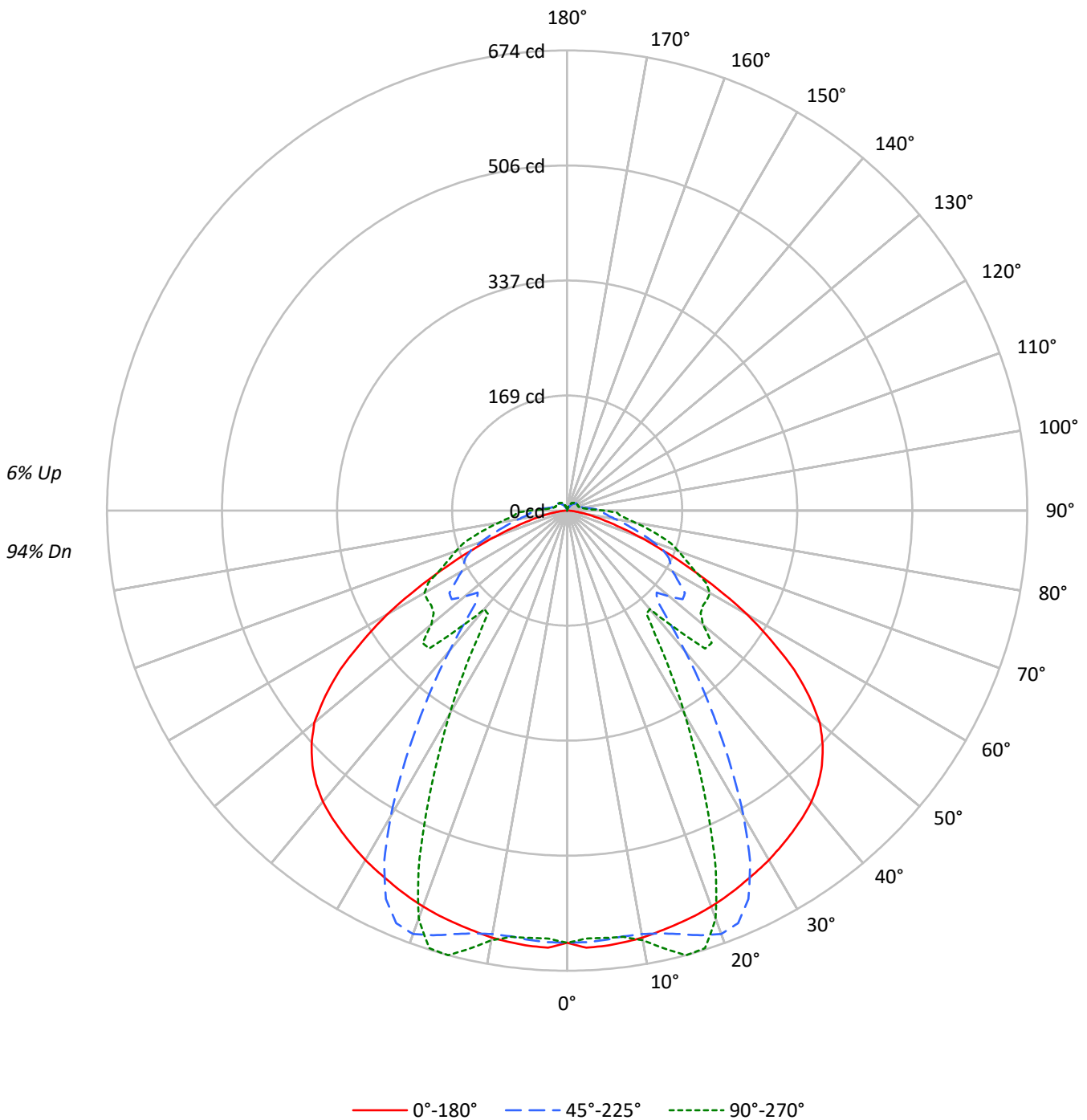
Lumens per Lamp: N/A
Luminaire Lumens: 1626.0 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 14
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: P#
CATALOG NUMBER: 2SNLED-LD5-18SL-SLC-UNV-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-18SL-SLC-UNV-L935-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	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	64	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10231	10231	10231
5°	10327	9972	9868
10°	10311	9802	9834
15°	10310	9922	10250
20°	10376	10200	9621
25°	10473	9785	7408
30°	10645	8180	5269
35°	10869	6184	3568
40°	11156	4487	3021
45°	11356	3248	4750
50°	11312	3587	4508
55°	10503	4117	4452
60°	8875	3756	4731
65°	6606	3774	4329
70°	4565	3419	4029
75°	2922	2851	3615
80°	1794	2421	3010
85°	876	2280	2702



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-18SL-SLC-UNV-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	3.7
10°-20°	181.9	11.2
20°-30°	264.2	16.2
30°-40°	252.4	15.5
40°-50°	230.9	14.2
50°-60°	213.2	13.1
60°-70°	169.3	10.4
70°-80°	104.5	6.4
80°-90°	56.9	3.5
90°-100°	28.8	1.8
100°-110°	18.1	1.1
110°-120°	15.3	0.9
120°-130°	12.5	0.8
130°-140°	9.0	0.6
140°-150°	5.5	0.3
150°-160°	2.6	0.2
160°-170°	0.7	0.0
170°-180°	0.0	0.0
0°-30°	506.3	31.1
0°-40°	758.7	46.7
0°-60°	1202.8	74.0
0°-90°	1533.5	94.3
90°-120°	62.2	3.8
90°-150°	89.2	5.5
90°-180°	92.0	5.7
0°-180°	1626.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	633	633	633	633	633	
5°	640	630	631	628	628	61
15°	626	618	642	666	674	177
25°	604	616	628	532	488	279
35°	575	566	381	263	228	361
45°	528	368	186	237	286	406
55°	406	189	211	227	243	358
65°	196	122	164	200	204	198
75°	58	65	98	130	139	65
85°	8	28	56	76	77	10
90°	0	21	50	59	55	0
95°	0	19	34	30	29	0
105°	0	17	21	19	19	0
115°	0	14	20	18	17	0
125°	0	12	18	18	17	0
135°	0	8	15	16	15	0
145°	0	5	10	13	14	0
155°	1	3	6	8	10	0
165°	1	2	3	4	5	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-18SL-SLC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	633.0	633.0	633.0	633.0	633.0
2.5°	640.8	631.6	632.7	630.7	627.4
5°	640.0	630.2	631.3	627.9	628.2
7.5°	637.7	627.7	629.1	628.5	629.9
10°	635.2	624.6	629.9	634.7	638.9
12.5°	630.7	621.2	634.1	648.1	656.8
15°	626.5	618.1	642.2	666.1	674.2
17.5°	622.3	617.0	652.3	673.1	671.9
20°	617.0	616.5	659.9	652.9	635.8
22.5°	611.1	616.7	654.0	602.7	569.1
25°	604.4	616.2	627.9	531.6	488.1
27.5°	597.7	613.7	580.6	453.7	410.8
30°	591.0	606.9	516.7	382.5	343.5
32.5°	583.1	592.4	447.2	319.4	283.6
35°	575.0	565.7	381.4	262.6	228.4
37.5°	566.6	527.3	322.2	212.7	190.8
40°	556.5	479.2	267.9	182.4	188.3
42.5°	543.9	424.8	220.0	191.4	232.3
45°	527.9	368.2	186.1	237.3	285.8
47.5°	507.7	313.8	177.7	271.8	286.9
50°	483.4	264.0	195.3	260.6	259.5
52.5°	446.4	222.5	213.2	237.6	246.6
55°	406.0	188.9	210.7	226.7	242.7
57.5°	355.0	166.2	193.3	224.4	242.9
60°	304.3	151.0	178.5	224.2	241.5
62.5°	248.3	137.3	170.9	218.8	229.2
65°	195.9	122.5	164.2	199.5	204.3
67.5°	150.2	107.3	152.4	177.9	187.5
70°	113.2	92.5	133.9	161.4	173.2
72.5°	81.5	78.5	114.9	146.8	159.2
75°	57.7	65.3	98.4	130.3	139.0
77.5°	39.8	53.2	84.3	112.1	119.1
80°	26.1	42.6	71.7	96.4	101.2
82.5°	15.7	34.2	62.2	84.3	86.9
85°	8.1	27.7	55.8	75.9	77.1
87.5°	2.5	23.3	52.1	72.0	73.4
90°	0.3	20.7	49.9	59.1	54.6
92.5°	0.0	19.6	43.2	40.3	36.1
95°	0.0	19.3	34.5	30.5	28.9
97.5°	0.0	18.8	28.3	25.5	24.7
100°	0.0	18.2	24.4	22.4	22.1
102.5°	0.0	17.9	22.1	20.5	20.2
105°	0.0	17.4	21.3	19.3	19.1
107.5°	0.0	16.5	20.7	18.8	18.2
110°	0.0	15.7	20.7	18.5	17.7



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-18SL-SLC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.9	20.7	18.2	17.4
115°	0.0	14.3	20.5	18.2	17.4
117.5°	0.3	13.7	20.2	18.2	17.4
120°	0.0	13.2	19.6	18.2	17.1
122.5°	0.3	12.3	19.1	17.9	17.1
125°	0.3	11.5	18.2	17.7	16.8
127.5°	0.3	10.6	17.4	17.1	16.3
130°	0.3	9.8	16.5	16.8	16.0
132.5°	0.3	9.0	15.4	16.3	15.7
135°	0.3	8.1	14.6	16.0	15.4
137.5°	0.3	7.3	13.4	15.1	15.1
140°	0.3	6.4	12.3	14.6	14.9
142.5°	0.3	5.9	11.2	14.0	14.3
145°	0.3	5.0	10.1	12.9	13.7
147.5°	0.3	4.5	9.0	11.8	12.9
150°	0.3	3.9	7.8	10.6	11.8
152.5°	0.3	3.4	7.0	9.2	10.9
155°	0.6	3.1	6.2	8.1	9.8
157.5°	0.6	2.5	5.0	7.0	8.4
160°	0.6	2.2	4.5	5.9	7.6
162.5°	0.6	2.0	3.6	5.0	6.4
165°	0.6	1.7	3.1	3.9	5.3
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)