

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-L950-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-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

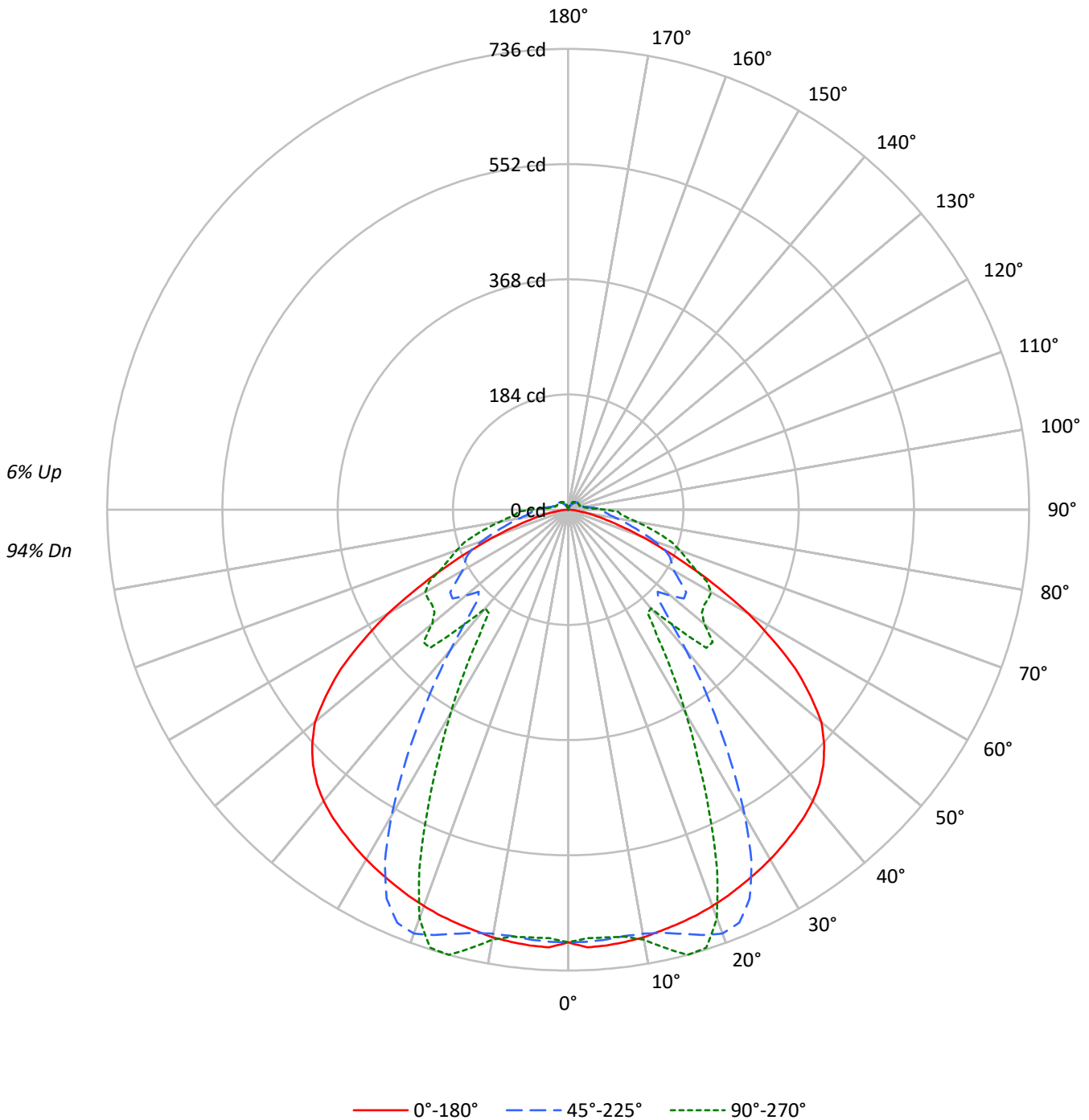
Lumens per Lamp: N/A
Luminaire Lumens: 1775.0 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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-L950-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-18SL-SLC-UNV-L950-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°	11168	11168	11168
5°	11272	10887	10772
10°	11256	10700	10735
15°	11256	10832	11189
20°	11328	11135	10502
25°	11433	10682	8086
30°	11620	8929	5752
35°	11865	6750	3895
40°	12178	4897	3299
45°	12397	3545	5185
50°	12346	3916	4920
55°	11465	4494	4859
60°	9689	4099	5165
65°	7210	4118	4725
70°	4985	3733	4397
75°	3190	3111	3946
80°	1952	2644	3284
85°	963	2488	2948



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-18SL-SLC-UNV-L950-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	3.7
10°-20°	198.5	11.2
20°-30°	288.4	16.2
30°-40°	275.5	15.5
40°-50°	252.0	14.2
50°-60°	232.7	13.1
60°-70°	184.9	10.4
70°-80°	114.1	6.4
80°-90°	62.1	3.5
90°-100°	31.4	1.8
100°-110°	19.7	1.1
110°-120°	16.7	0.9
120°-130°	13.7	0.8
130°-140°	9.8	0.6
140°-150°	6.0	0.3
150°-160°	2.9	0.2
160°-170°	0.7	0.0
170°-180°	0.0	0.0
0°-30°	552.6	31.1
0°-40°	828.2	46.7
0°-60°	1313.0	74.0
0°-90°	1674.0	94.3
90°-120°	67.8	3.8
90°-150°	97.3	5.5
90°-180°	101.0	5.7
0°-180°	1775.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	691	691	691	691	691	
5°	699	688	689	686	686	66
15°	684	675	701	727	736	194
25°	660	673	686	580	533	305
35°	628	618	416	287	249	394
45°	576	402	203	259	312	443
55°	443	206	230	248	265	390
65°	214	134	179	218	223	216
75°	63	71	107	142	152	71
85°	9	30	61	83	84	11
90°	0	23	54	64	60	0
95°	0	21	38	33	32	0
105°	0	19	23	21	21	0
115°	0	16	22	20	19	0
125°	0	12	20	19	18	0
135°	0	9	16	17	17	0
145°	0	6	11	14	15	0
155°	1	3	7	9	11	0
165°	1	2	3	4	6	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-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	691.0	691.0	691.0	691.0	691.0
2.5°	699.6	689.5	690.7	688.5	684.9
5°	698.6	687.9	689.2	685.5	685.8
7.5°	696.2	685.2	686.7	686.1	687.6
10°	693.4	681.8	687.6	692.8	697.4
12.5°	688.5	678.1	692.2	707.5	717.0
15°	684.0	674.8	701.1	727.1	736.0
17.5°	679.4	673.6	712.1	734.7	733.5
20°	673.6	672.9	720.4	712.7	694.0
22.5°	667.1	673.2	713.9	658.0	621.2
25°	659.8	672.6	685.5	580.3	532.8
27.5°	652.4	669.9	633.8	495.2	448.4
30°	645.1	662.5	564.0	417.5	375.0
32.5°	636.5	646.6	488.2	348.7	309.6
35°	627.7	617.6	416.3	286.6	249.3
37.5°	618.5	575.7	351.8	232.2	208.3
40°	607.5	523.1	292.4	199.1	205.6
42.5°	593.7	463.7	240.1	208.9	253.6
45°	576.3	401.9	203.1	259.1	312.0
47.5°	554.3	342.6	193.9	296.7	313.2
50°	527.6	288.1	213.2	284.5	283.2
52.5°	487.3	242.9	232.8	259.4	269.2
55°	443.2	206.2	230.0	247.5	264.9
57.5°	387.6	181.4	211.1	245.0	265.2
60°	332.2	164.9	194.8	244.7	263.7
62.5°	271.0	149.9	186.6	238.9	250.2
65°	213.8	133.7	179.2	217.8	223.0
67.5°	164.0	117.2	166.4	194.2	204.6
70°	123.6	100.9	146.2	176.2	189.0
72.5°	89.0	85.6	125.4	160.3	173.7
75°	63.0	71.3	107.4	142.2	151.7
77.5°	43.4	58.1	92.1	122.4	130.0
80°	28.4	46.5	78.3	105.2	110.4
82.5°	17.1	37.3	67.9	92.1	94.8
85°	8.9	30.3	60.9	82.9	84.1
87.5°	2.8	25.4	56.9	78.6	80.1
90°	0.3	22.6	54.4	64.5	59.6
92.5°	0.0	21.4	47.1	44.0	39.5
95°	0.0	21.1	37.6	33.3	31.5
97.5°	0.0	20.5	30.9	27.8	26.9
100°	0.0	19.9	26.6	24.5	24.2
102.5°	0.0	19.6	24.2	22.3	22.0
105°	0.0	19.0	23.2	21.1	20.8
107.5°	0.0	18.0	22.6	20.5	19.9
110°	0.0	17.1	22.6	20.2	19.3



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-18SL-SLC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	16.2	22.6	19.9	19.0
115°	0.0	15.6	22.3	19.9	19.0
117.5°	0.3	15.0	22.0	19.9	19.0
120°	0.0	14.4	21.4	19.9	18.7
122.5°	0.3	13.5	20.8	19.6	18.7
125°	0.3	12.5	19.9	19.3	18.4
127.5°	0.3	11.6	19.0	18.7	17.7
130°	0.3	10.7	18.0	18.4	17.4
132.5°	0.3	9.8	16.8	17.7	17.1
135°	0.3	8.9	15.9	17.4	16.8
137.5°	0.3	8.0	14.7	16.5	16.5
140°	0.3	7.0	13.5	15.9	16.2
142.5°	0.3	6.4	12.2	15.3	15.6
145°	0.3	5.5	11.0	14.1	15.0
147.5°	0.3	4.9	9.8	12.8	14.1
150°	0.3	4.3	8.6	11.6	12.8
152.5°	0.3	3.7	7.6	10.1	11.9
155°	0.6	3.4	6.7	8.9	10.7
157.5°	0.6	2.8	5.5	7.6	9.2
160°	0.6	2.4	4.9	6.4	8.3
162.5°	0.6	2.1	4.0	5.5	7.0
165°	0.6	1.8	3.4	4.3	5.8
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)