

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-L850-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-L850-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1969.0 lumens
Efficiency: N/A
Efficacy: 140.6 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

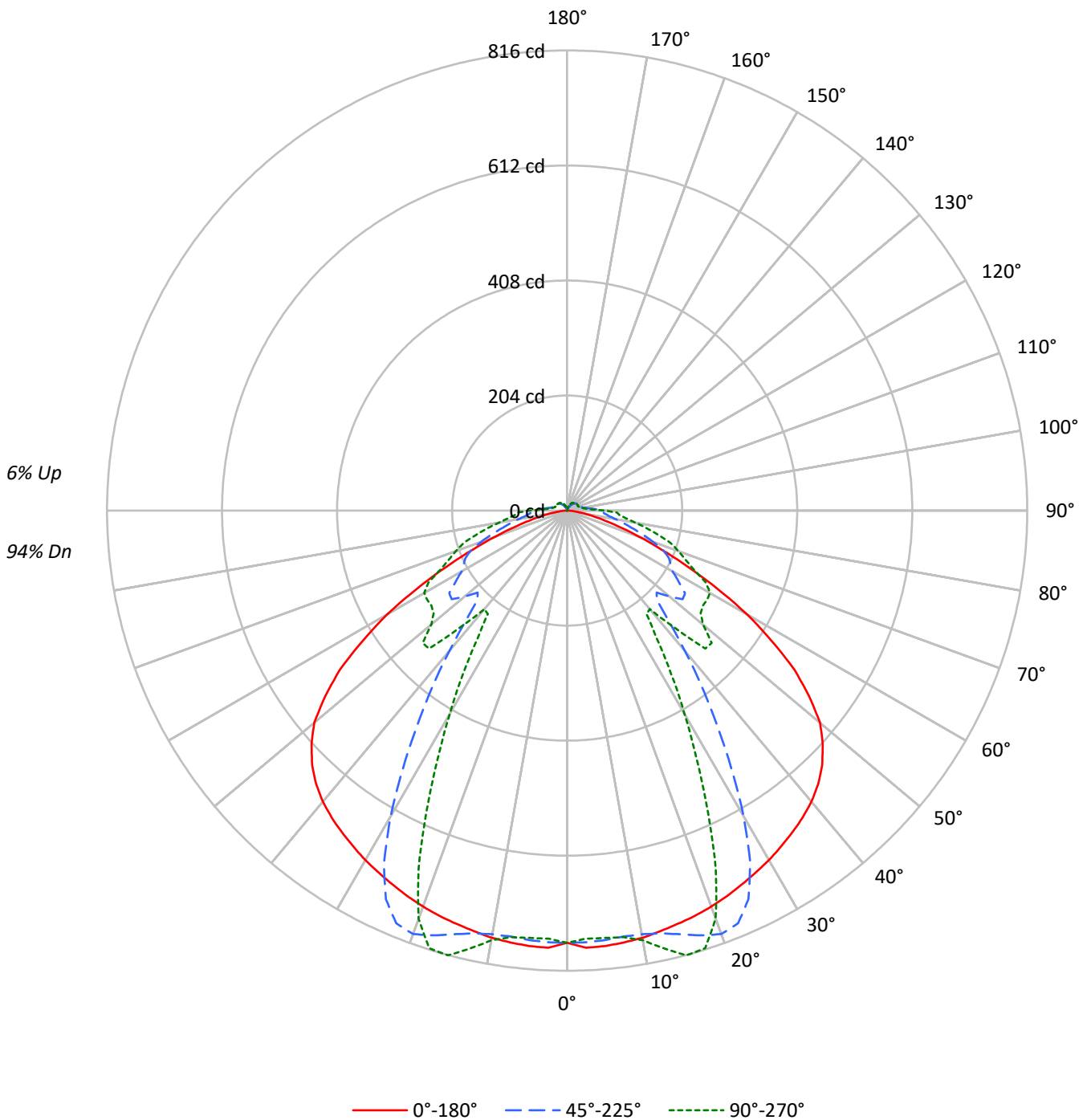
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	63	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°	12388	12388	12388
5°	12505	12076	11949
10°	12486	11871	11908
15°	12486	12016	12412
20°	12565	12352	11650
25°	12682	11849	8971
30°	12890	9906	6381
35°	13162	7488	4320
40°	13509	5433	3658
45°	13753	3932	5752
50°	13696	4344	5458
55°	12720	4986	5389
60°	10748	4547	5730
65°	7999	4569	5242
70°	5529	4142	4878
75°	3539	3450	4377
80°	2171	2935	3644
85°	1060	2758	3270



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	3.7
10°-20°	220.2	11.2
20°-30°	319.9	16.2
30°-40°	305.7	15.5
40°-50°	279.6	14.2
50°-60°	258.2	13.1
60°-70°	205.1	10.4
70°-80°	126.6	6.4
80°-90°	68.9	3.5
90°-100°	34.8	1.8
100°-110°	21.9	1.1
110°-120°	18.5	0.9
120°-130°	15.1	0.8
130°-140°	10.9	0.6
140°-150°	6.7	0.3
150°-160°	3.2	0.2
160°-170°	0.8	0.0
170°-180°	0.0	0.0
0°-30°	613.1	31.1
0°-40°	918.7	46.7
0°-60°	1456.5	74.0
0°-90°	1857.0	94.3
90°-120°	75.3	3.8
90°-150°	108.0	5.5
90°-180°	112.0	5.7
0°-180°	1969.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	766	766	766	766	766	
5°	775	763	764	760	761	74
15°	759	748	778	807	816	215
25°	732	746	760	644	591	338
35°	696	685	462	318	276	437
45°	639	446	225	287	346	491
55°	492	229	255	274	294	433
65°	237	148	199	242	247	240
75°	70	79	119	158	168	79
85°	10	34	68	92	93	13
90°	0	25	60	72	66	1
95°	0	23	42	37	35	0
105°	0	21	26	23	23	0
115°	0	17	25	22	21	0
125°	0	14	22	21	20	0
135°	0	10	18	19	19	0
145°	0	6	12	16	17	0
155°	1	4	8	10	12	0
165°	1	2	4	5	6	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°	766.5	766.5	766.5	766.5	766.5
2.5°	776.0	764.8	766.2	763.8	759.7
5°	775.0	763.1	764.5	760.4	760.7
7.5°	772.3	760.1	761.8	761.1	762.8
10°	769.2	756.3	762.8	768.5	773.6
12.5°	763.8	752.3	767.9	784.8	795.4
15°	758.7	748.5	777.7	806.6	816.4
17.5°	753.6	747.2	789.9	815.0	813.7
20°	747.2	746.5	799.1	790.6	769.9
22.5°	740.0	746.8	792.0	729.9	689.1
25°	731.9	746.2	760.4	643.7	591.1
27.5°	723.8	743.1	703.1	549.4	497.4
30°	715.6	735.0	625.7	463.2	416.0
32.5°	706.1	717.3	541.5	386.8	343.4
35°	696.3	685.1	461.8	317.9	276.5
37.5°	686.1	638.6	390.2	257.5	231.1
40°	673.9	580.2	324.4	220.9	228.0
42.5°	658.6	514.4	266.4	231.8	281.3
45°	639.3	445.9	225.3	287.4	346.1
47.5°	614.8	380.0	215.1	329.1	347.5
50°	585.3	319.6	236.5	315.6	314.2
52.5°	540.5	269.4	258.2	287.7	298.6
55°	491.7	228.7	255.2	274.5	293.8
57.5°	429.9	201.2	234.1	271.8	294.2
60°	368.5	182.9	216.1	271.5	292.5
62.5°	300.6	166.3	207.0	265.0	277.6
65°	237.2	148.3	198.8	241.6	247.4
67.5°	181.9	130.0	184.6	215.5	227.0
70°	137.1	112.0	162.2	195.4	209.7
72.5°	98.7	95.0	139.1	177.8	192.7
75°	69.9	79.1	119.1	157.8	168.3
77.5°	48.2	64.5	102.1	135.7	144.2
80°	31.6	51.6	86.9	116.7	122.5
82.5°	19.0	41.4	75.3	102.1	105.2
85°	9.8	33.6	67.5	92.0	93.3
87.5°	3.1	28.2	63.1	87.2	88.9
90°	0.3	25.1	60.4	71.6	66.2
92.5°	0.0	23.8	52.3	48.9	43.8
95°	0.0	23.4	41.7	37.0	34.9
97.5°	0.0	22.7	34.3	30.9	29.9
100°	0.0	22.1	29.5	27.1	26.8
102.5°	0.0	21.7	26.8	24.8	24.4
105°	0.0	21.0	25.8	23.4	23.1
107.5°	0.0	20.0	25.1	22.7	22.1
110°	0.0	19.0	25.1	22.4	21.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.0	25.1	22.1	21.0
115°	0.0	17.3	24.8	22.1	21.0
117.5°	0.3	16.6	24.4	22.1	21.0
120°	0.0	15.9	23.8	22.1	20.7
122.5°	0.3	14.9	23.1	21.7	20.7
125°	0.3	13.9	22.1	21.4	20.4
127.5°	0.3	12.9	21.0	20.7	19.7
130°	0.3	11.9	20.0	20.4	19.3
132.5°	0.3	10.9	18.7	19.7	19.0
135°	0.3	9.8	17.6	19.3	18.7
137.5°	0.3	8.8	16.3	18.3	18.3
140°	0.3	7.8	14.9	17.6	18.0
142.5°	0.3	7.1	13.6	17.0	17.3
145°	0.3	6.1	12.2	15.6	16.6
147.5°	0.3	5.4	10.9	14.3	15.6
150°	0.3	4.8	9.5	12.9	14.3
152.5°	0.3	4.1	8.5	11.2	13.2
155°	0.7	3.7	7.5	9.8	11.9
157.5°	0.7	3.1	6.1	8.5	10.2
160°	0.7	2.7	5.4	7.1	9.2
162.5°	0.7	2.4	4.4	6.1	7.8
165°	0.7	2.0	3.7	4.8	6.4
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)