

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-SLN-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 (P27402)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-18SL-SLN-UNV-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

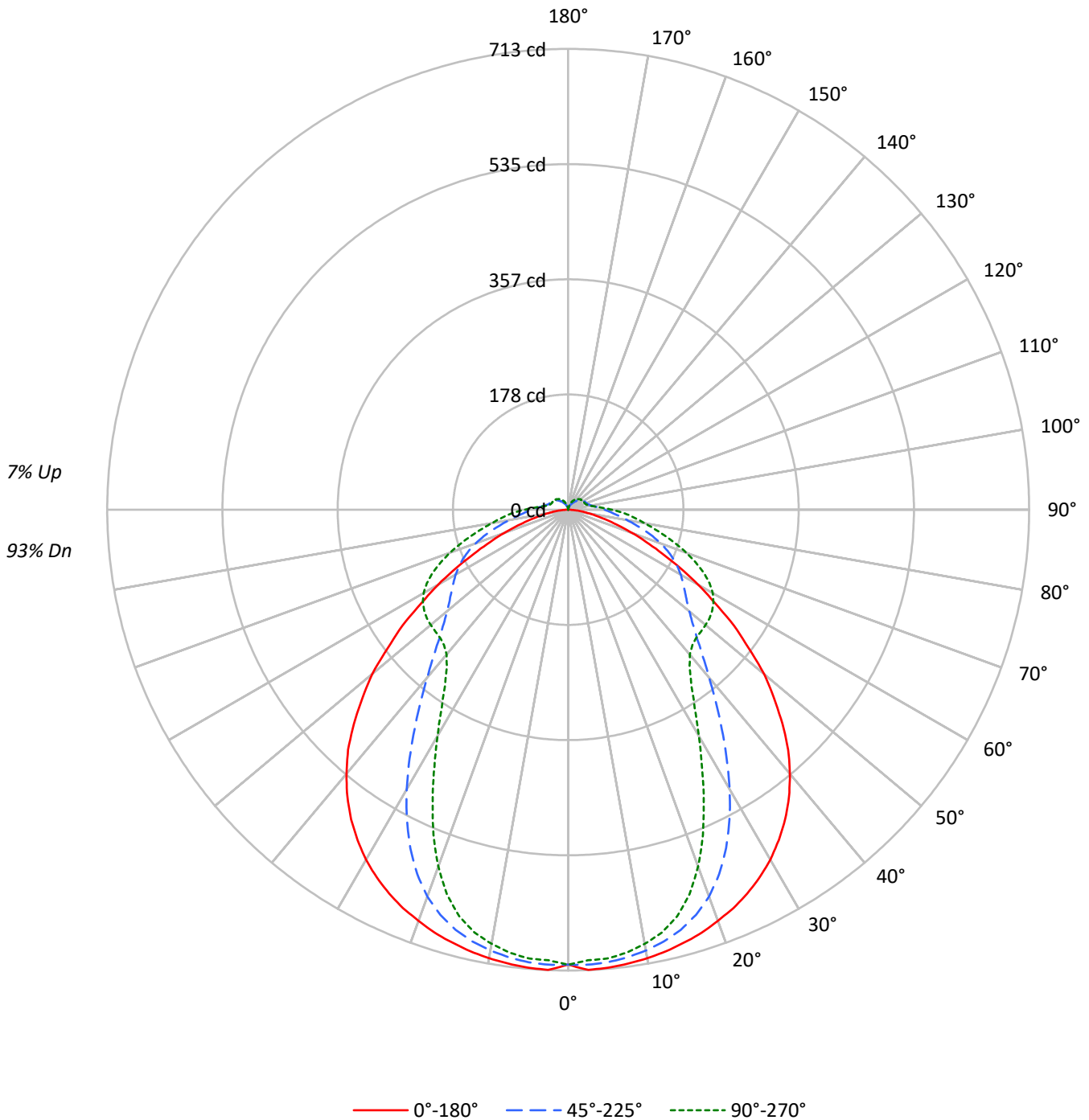
Lumens per Lamp: N/A
Luminaire Lumens: 1770.0 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11375	11375	11375
5°	11476	11103	10950
10°	11439	10777	10499
15°	11411	10397	9900
20°	11383	9843	8891
25°	11353	9004	7529
30°	11261	7908	6194
35°	11060	6716	5190
40°	10693	5676	4691
45°	10081	4922	4656
50°	9262	4489	4819
55°	8102	4302	4988
60°	6781	4229	5058
65°	5396	4118	4898
70°	4267	3889	4518
75°	3144	3500	4011
80°	2226	3120	3567
85°	1352	2913	3281



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	3.8
10°-20°	188.2	10.6
20°-30°	263.1	14.9
30°-40°	272.9	15.4
40°-50°	252.1	14.2
50°-60°	225.1	12.7
60°-70°	182.4	10.3
70°-80°	121.3	6.9
80°-90°	69.5	3.9
90°-100°	38.4	2.2
100°-110°	26.0	1.5
110°-120°	21.7	1.2
120°-130°	17.6	1.0
130°-140°	12.7	0.7
140°-150°	7.7	0.4
150°-160°	3.7	0.2
160°-170°	1.0	0.1
170°-180°	0.0	0.0
0°-30°	517.9	29.3
0°-40°	790.8	44.7
0°-60°	1268.0	71.6
0°-90°	1641.2	92.7
90°-120°	86.1	4.9
90°-150°	124.1	7.0
90°-180°	129.0	7.3
0°-180°	1770.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	704	704	704	704	704	
5°	711	699	703	698	697	68
15°	693	679	673	658	651	196
25°	655	626	578	517	496	302
35°	585	521	414	348	332	365
45°	469	371	282	272	280	360
55°	313	237	220	256	272	279
65°	160	143	179	220	231	162
75°	62	78	121	148	154	68
85°	12	36	71	91	94	14
90°	1	25	56	68	67	1
95°	1	21	45	48	46	0
105°	0	19	32	31	30	0
115°	0	17	28	28	27	0
125°	0	14	25	26	26	0
135°	1	11	20	23	23	0
145°	1	7	14	18	19	0
155°	1	4	9	11	14	0
165°	1	2	4	6	7	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°	703.8	703.8	703.8	703.8	703.8
2.5°	712.7	701.1	704.7	701.7	697.7
5°	711.2	699.2	702.9	698.0	697.1
7.5°	708.4	696.5	698.6	692.8	691.3
10°	704.7	692.2	692.5	684.2	682.1
12.5°	699.8	686.1	684.2	672.9	669.9
15°	693.4	678.7	672.9	657.6	651.2
17.5°	686.4	669.3	657.3	633.8	623.7
20°	676.9	657.6	636.8	601.0	587.6
22.5°	667.4	643.6	610.2	562.5	544.5
25°	655.2	626.1	577.8	517.2	496.1
27.5°	641.4	605.6	540.5	470.7	448.1
30°	625.2	580.9	499.5	425.2	403.8
32.5°	606.2	553.0	456.4	384.2	364.3
35°	585.1	520.9	414.2	347.8	332.2
37.5°	561.0	485.7	375.0	318.4	308.3
40°	533.4	447.5	338.9	295.8	292.4
42.5°	503.8	410.2	308.0	281.1	284.2
45°	468.6	371.3	282.0	271.9	280.2
47.5°	431.6	333.4	260.9	266.7	278.7
50°	395.8	298.2	244.4	263.4	277.4
52.5°	351.5	266.7	231.2	260.3	275.6
55°	313.2	236.7	220.2	256.0	271.9
57.5°	269.2	209.8	210.4	250.5	266.4
60°	232.5	185.4	201.0	242.9	258.2
62.5°	195.1	163.3	190.6	232.8	246.5
65°	160.0	143.2	179.2	219.6	231.2
67.5°	130.6	124.8	166.4	203.7	213.5
70°	105.8	108.0	152.3	186.0	194.2
72.5°	81.4	92.4	137.0	167.0	174.0
75°	62.1	77.7	120.8	148.0	154.2
77.5°	45.9	64.8	106.1	130.9	136.1
80°	32.4	53.5	92.4	115.9	119.9
82.5°	21.7	44.0	81.1	102.5	106.1
85°	12.5	36.1	71.3	91.2	93.6
87.5°	5.2	30.0	63.3	79.5	80.8
90°	0.6	25.4	56.3	67.9	67.3
92.5°	0.6	22.9	50.2	56.9	55.4
95°	0.6	21.4	44.7	47.7	46.2
97.5°	0.6	20.5	39.8	41.0	39.5
100°	0.3	19.9	36.4	36.4	34.9
102.5°	0.3	19.3	34.0	33.0	31.8
105°	0.3	18.7	32.1	31.2	29.7
107.5°	0.3	18.4	30.9	30.0	28.4
110°	0.3	17.7	30.0	29.1	27.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	17.4	29.4	28.8	27.2
115°	0.3	16.8	28.4	28.1	27.2
117.5°	0.3	16.2	27.8	27.8	26.9
120°	0.3	15.6	26.9	27.5	26.6
122.5°	0.3	15.0	26.0	26.9	26.0
125°	0.3	14.4	25.1	26.3	25.7
127.5°	0.6	13.5	23.9	25.7	25.1
130°	0.3	12.5	22.6	25.1	24.8
132.5°	0.6	11.6	21.4	24.2	24.2
135°	0.6	10.7	19.9	23.2	23.2
137.5°	0.6	9.5	18.4	22.0	22.3
140°	0.6	8.6	16.8	20.8	21.4
142.5°	0.6	7.6	15.3	19.6	20.5
145°	0.6	6.7	13.8	18.0	19.3
147.5°	0.6	6.1	12.2	16.2	18.0
150°	0.6	5.2	11.0	14.7	16.5
152.5°	0.6	4.6	9.8	13.2	15.3
155°	0.6	4.3	8.6	11.3	13.8
157.5°	0.6	3.7	7.3	9.8	12.2
160°	0.6	3.1	6.1	8.6	10.4
162.5°	0.6	2.8	5.2	7.0	9.2
165°	0.6	2.4	4.3	5.5	7.3
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)