

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-L940-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-L940-CD1-U  
Description: 2FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

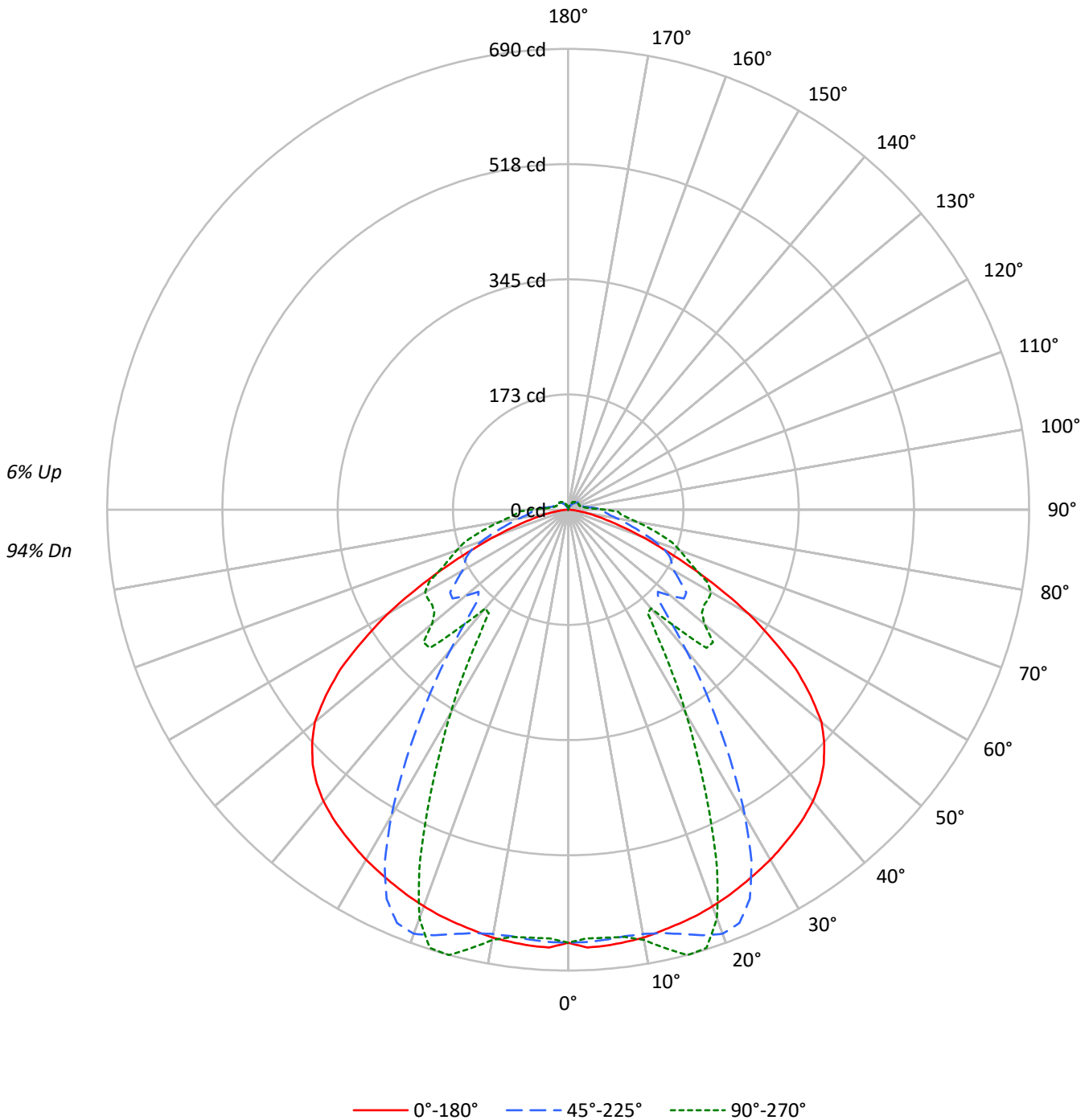
Lumens per Lamp: N/A  
Luminaire Lumens: 1665.0 lumens  
Efficiency: N/A  
Efficacy: 118.9 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')  
CIE Type: Direct

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°	10476	10476	10476
5°	10574	10210	10105
10°	10559	10037	10070
15°	10559	10160	10495
20°	10625	10445	9851
25°	10724	10020	7585
30°	10899	8377	5396
35°	11130	6332	3653
40°	11423	4594	3093
45°	11629	3325	4864
50°	11581	3673	4616
55°	10756	4216	4558
60°	9088	3846	4844
65°	6765	3863	4432
70°	4674	3503	4125
75°	2993	2917	3701
80°	1835	2482	3082
85°	898	2333	2766



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.7	3.7
10°-20°	186.2	11.2
20°-30°	270.5	16.2
30°-40°	258.5	15.5
40°-50°	236.4	14.2
50°-60°	218.3	13.1
60°-70°	173.4	10.4
70°-80°	107.0	6.4
80°-90°	58.3	3.5
90°-100°	29.5	1.8
100°-110°	18.5	1.1
110°-120°	15.7	0.9
120°-130°	12.8	0.8
130°-140°	9.2	0.6
140°-150°	5.7	0.3
150°-160°	2.7	0.2
160°-170°	0.7	0.0
170°-180°	0.0	0.0
0°-30°	518.4	31.1
0°-40°	776.9	46.7
0°-60°	1231.6	74.0
0°-90°	1570.3	94.3
90°-120°	63.7	3.8
90°-150°	91.3	5.5
90°-180°	95.0	5.7
0°-180°	1665.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	648	648	648	648	648	
5°	655	645	646	643	643	62
15°	642	633	658	682	690	182
25°	619	631	643	544	500	286
35°	589	579	390	269	234	369
45°	541	377	190	243	293	415
55°	416	193	216	232	248	366
65°	201	125	168	204	209	203
75°	59	67	101	133	142	67
85°	8	28	57	78	79	11
90°	0	21	51	60	56	0
95°	0	20	35	31	30	0
105°	0	18	22	20	20	0
115°	0	15	21	19	18	0
125°	0	12	19	18	17	0
135°	0	8	15	16	16	0
145°	0	5	10	13	14	0
155°	1	3	6	8	10	0
165°	1	2	3	4	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°	648.2	648.2	648.2	648.2	648.2
2.5°	656.2	646.7	647.9	645.9	642.4
5°	655.3	645.3	646.4	643.0	643.3
7.5°	653.0	642.7	644.2	643.6	645.0
10°	650.5	639.6	645.0	649.9	654.2
12.5°	645.9	636.1	649.3	663.7	672.6
15°	641.6	633.0	657.6	682.0	690.3
17.5°	637.3	631.8	668.0	689.2	688.1
20°	631.8	631.2	675.7	668.5	651.0
22.5°	625.8	631.5	669.7	617.2	582.7
25°	618.9	631.0	643.0	544.3	499.8
27.5°	612.0	628.4	594.5	464.5	420.6
30°	605.1	621.5	529.1	391.7	351.8
32.5°	597.1	606.6	457.9	327.1	290.4
35°	588.8	579.3	390.5	268.9	233.8
37.5°	580.2	540.0	330.0	217.8	195.4
40°	569.8	490.6	274.3	186.8	192.8
42.5°	556.9	435.0	225.2	196.0	237.9
45°	540.6	377.0	190.5	243.0	292.7
47.5°	519.9	321.4	181.9	278.3	293.8
50°	494.9	270.3	200.0	266.8	265.7
52.5°	457.1	227.8	218.4	243.3	252.5
55°	415.8	193.4	215.8	232.1	248.5
57.5°	363.5	170.1	198.0	229.8	248.8
60°	311.6	154.7	182.8	229.5	247.3
62.5°	254.2	140.6	175.0	224.1	234.7
65°	200.6	125.4	168.1	204.3	209.2
67.5°	153.8	109.9	156.1	182.2	192.0
70°	115.9	94.7	137.2	165.3	177.3
72.5°	83.5	80.3	117.6	150.3	163.0
75°	59.1	66.9	100.7	133.4	142.3
77.5°	40.7	54.5	86.4	114.8	121.9
80°	26.7	43.6	73.5	98.7	103.6
82.5°	16.1	35.0	63.7	86.4	88.9
85°	8.3	28.4	57.1	77.8	78.9
87.5°	2.6	23.8	53.4	73.7	75.2
90°	0.3	21.2	51.1	60.5	56.0
92.5°	0.0	20.1	44.2	41.3	37.0
95°	0.0	19.8	35.3	31.3	29.6
97.5°	0.0	19.2	29.0	26.1	25.2
100°	0.0	18.7	25.0	23.0	22.7
102.5°	0.0	18.4	22.7	20.9	20.7
105°	0.0	17.8	21.8	19.8	19.5
107.5°	0.0	16.9	21.2	19.2	18.7
110°	0.0	16.1	21.2	18.9	18.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	15.2	21.2	18.7	17.8
115°	0.0	14.6	20.9	18.7	17.8
117.5°	0.3	14.1	20.7	18.7	17.8
120°	0.0	13.5	20.1	18.7	17.5
122.5°	0.3	12.6	19.5	18.4	17.5
125°	0.3	11.8	18.7	18.1	17.2
127.5°	0.3	10.9	17.8	17.5	16.6
130°	0.3	10.0	16.9	17.2	16.4
132.5°	0.3	9.2	15.8	16.6	16.1
135°	0.3	8.3	14.9	16.4	15.8
137.5°	0.3	7.5	13.8	15.5	15.5
140°	0.3	6.6	12.6	14.9	15.2
142.5°	0.3	6.0	11.5	14.3	14.6
145°	0.3	5.2	10.3	13.2	14.1
147.5°	0.3	4.6	9.2	12.1	13.2
150°	0.3	4.0	8.0	10.9	12.1
152.5°	0.3	3.4	7.2	9.5	11.2
155°	0.6	3.2	6.3	8.3	10.0
157.5°	0.6	2.6	5.2	7.2	8.6
160°	0.6	2.3	4.6	6.0	7.7
162.5°	0.6	2.0	3.7	5.2	6.6
165°	0.6	1.7	3.2	4.0	5.5
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)