

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-L930-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-L930-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

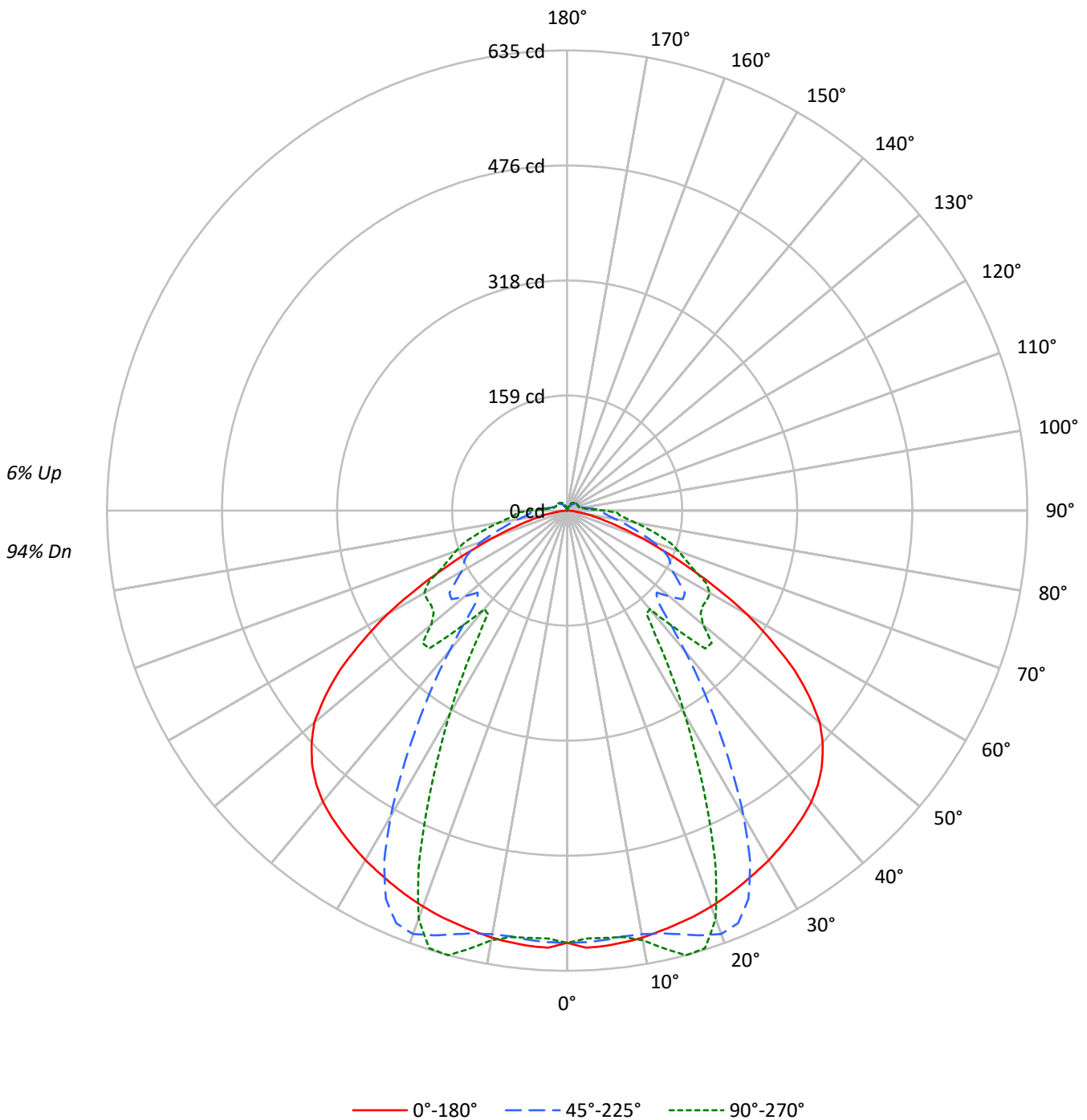
Lumens per Lamp: N/A
Luminaire Lumens: 1532.0 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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°	9639	9639	9639
5°	9730	9395	9298
10°	9715	9236	9265
15°	9714	9349	9657
20°	9776	9610	9064
25°	9868	9219	6980
30°	10029	7707	4965
35°	10240	5826	3362
40°	10510	4227	2846
45°	10700	3059	4475
50°	10657	3379	4247
55°	9895	3878	4193
60°	8362	3539	4458
65°	6222	3555	4079
70°	4303	3222	3796
75°	2755	2685	3405
80°	1690	2283	2835
85°	833	2145	2545



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	3.7
10°-20°	171.3	11.2
20°-30°	248.9	16.2
30°-40°	237.8	15.5
40°-50°	217.5	14.2
50°-60°	200.9	13.1
60°-70°	159.6	10.4
70°-80°	98.5	6.4
80°-90°	53.6	3.5
90°-100°	27.1	1.8
100°-110°	17.0	1.1
110°-120°	14.4	0.9
120°-130°	11.8	0.8
130°-140°	8.5	0.6
140°-150°	5.2	0.3
150°-160°	2.5	0.2
160°-170°	0.6	0.0
170°-180°	0.0	0.0
0°-30°	477.0	31.1
0°-40°	714.8	46.7
0°-60°	1133.2	74.0
0°-90°	1444.9	94.3
90°-120°	58.6	3.8
90°-150°	84.0	5.5
90°-180°	87.0	5.7
0°-180°	1532.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	596	596	596	596	596	
5°	603	594	595	592	592	57
15°	590	582	605	628	635	167
25°	570	581	592	501	460	263
35°	542	533	359	247	215	340
45°	497	347	175	224	269	382
55°	382	178	198	214	229	337
65°	184	115	155	188	192	187
75°	54	62	93	123	131	62
85°	8	26	52	72	73	10
90°	0	20	47	56	52	0
95°	0	18	32	29	27	0
105°	0	16	20	18	18	0
115°	0	14	19	17	16	0
125°	0	11	17	17	16	0
135°	0	8	14	15	14	0
145°	0	5	10	12	13	0
155°	0	3	6	8	9	0
165°	0	2	3	4	5	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°	596.4	596.4	596.4	596.4	596.4
2.5°	603.8	595.1	596.1	594.3	591.1
5°	603.0	593.8	594.8	591.6	591.9
7.5°	600.9	591.4	592.7	592.2	593.5
10°	598.5	588.5	593.5	598.0	601.9
12.5°	594.3	585.3	597.4	610.6	618.8
15°	590.3	582.4	605.1	627.5	635.2
17.5°	586.4	581.3	614.6	634.1	633.1
20°	581.3	580.8	621.7	615.1	599.0
22.5°	575.8	581.1	616.2	567.9	536.2
25°	569.5	580.6	591.6	500.8	459.9
27.5°	563.1	578.2	547.0	427.4	387.0
30°	556.8	571.8	486.8	360.4	323.7
32.5°	549.4	558.1	421.4	301.0	267.2
35°	541.7	533.0	359.3	247.4	215.2
37.5°	533.8	496.9	303.6	200.4	179.8
40°	524.3	451.5	252.4	171.9	177.4
42.5°	512.4	400.2	207.2	180.3	218.9
45°	497.4	346.9	175.3	223.6	269.3
47.5°	478.4	295.7	167.4	256.1	270.3
50°	455.4	248.7	184.0	245.5	244.5
52.5°	420.6	209.6	200.9	223.9	232.3
55°	382.5	177.9	198.5	213.6	228.6
57.5°	334.5	156.6	182.2	211.5	228.9
60°	286.7	142.3	168.2	211.2	227.6
62.5°	233.9	129.4	161.0	206.2	216.0
65°	184.5	115.4	154.7	188.0	192.5
67.5°	141.5	101.1	143.6	167.6	176.6
70°	106.7	87.1	126.2	152.1	163.2
72.5°	76.8	73.9	108.2	138.3	150.0
75°	54.4	61.5	92.7	122.8	130.9
77.5°	37.5	50.2	79.5	105.6	112.2
80°	24.6	40.1	67.6	90.8	95.3
82.5°	14.8	32.2	58.6	79.5	81.8
85°	7.7	26.1	52.5	71.5	72.6
87.5°	2.4	21.9	49.1	67.8	69.2
90°	0.3	19.5	47.0	55.7	51.5
92.5°	0.0	18.5	40.7	38.0	34.1
95°	0.0	18.2	32.5	28.8	27.2
97.5°	0.0	17.7	26.7	24.0	23.2
100°	0.0	17.2	23.0	21.1	20.9
102.5°	0.0	16.9	20.9	19.3	19.0
105°	0.0	16.4	20.1	18.2	18.0
107.5°	0.0	15.6	19.5	17.7	17.2
110°	0.0	14.8	19.5	17.4	16.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.0	19.5	17.2	16.4
115°	0.0	13.5	19.3	17.2	16.4
117.5°	0.3	12.9	19.0	17.2	16.4
120°	0.0	12.4	18.5	17.2	16.1
122.5°	0.3	11.6	18.0	16.9	16.1
125°	0.3	10.8	17.2	16.6	15.8
127.5°	0.3	10.0	16.4	16.1	15.3
130°	0.3	9.2	15.6	15.8	15.0
132.5°	0.3	8.4	14.5	15.3	14.8
135°	0.3	7.7	13.7	15.0	14.5
137.5°	0.3	6.9	12.7	14.3	14.3
140°	0.3	6.1	11.6	13.7	14.0
142.5°	0.3	5.5	10.6	13.2	13.5
145°	0.3	4.8	9.5	12.1	12.9
147.5°	0.3	4.2	8.4	11.1	12.1
150°	0.3	3.7	7.4	10.0	11.1
152.5°	0.3	3.2	6.6	8.7	10.3
155°	0.5	2.9	5.8	7.7	9.2
157.5°	0.5	2.4	4.8	6.6	7.9
160°	0.5	2.1	4.2	5.5	7.1
162.5°	0.5	1.8	3.4	4.8	6.1
165°	0.5	1.6	2.9	3.7	5.0
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)