

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1660.0 lumens
Efficiency: N/A
Efficacy: 118.6 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

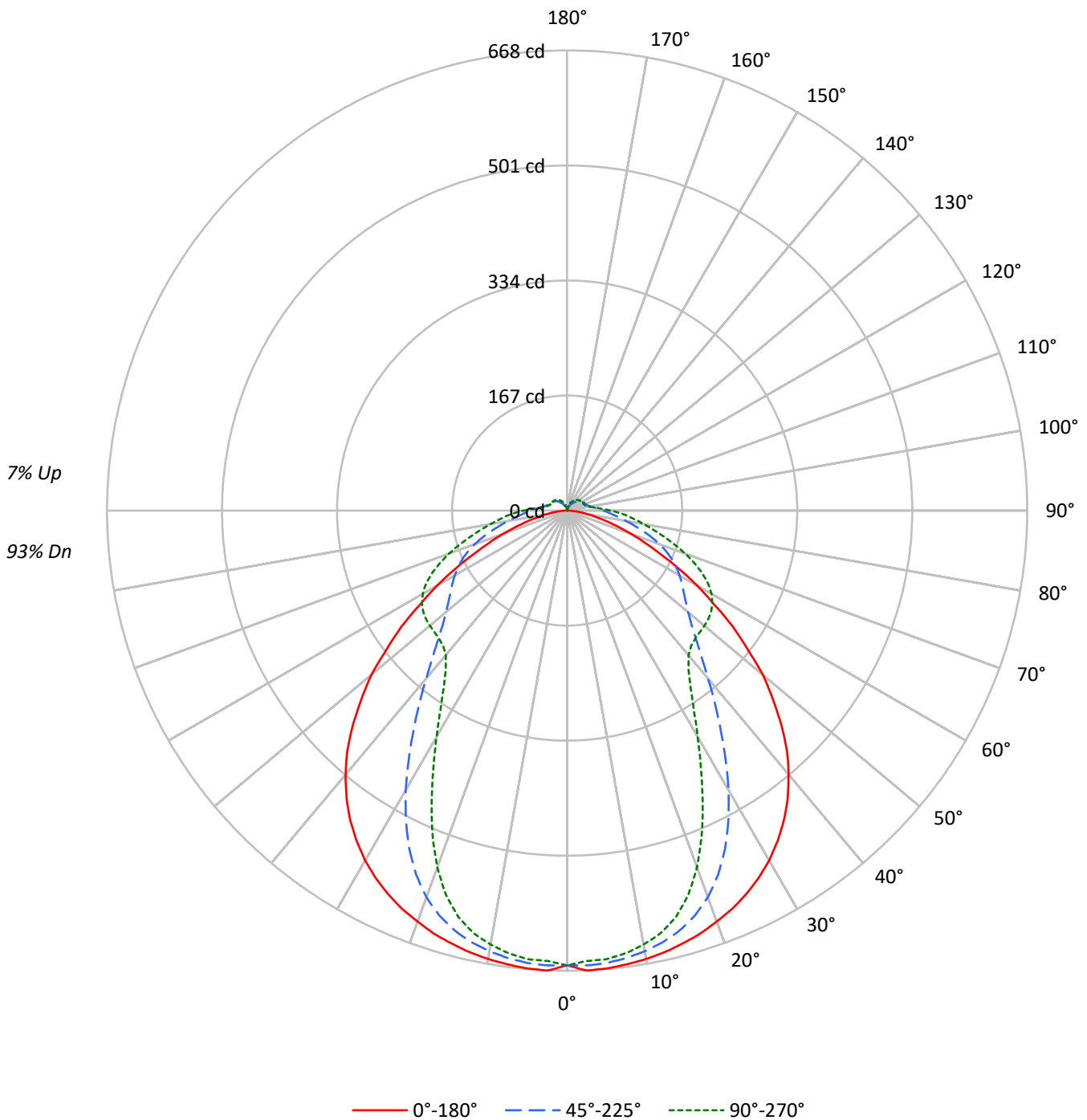
Input Watts (W): 14
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	10669	10669	10669
5°	10762	10413	10270
10°	10728	10107	9847
15°	10702	9751	9284
20°	10675	9233	8339
25°	10648	8444	7062
30°	10562	7417	5809
35°	10374	6298	4867
40°	10029	5322	4399
45°	9455	4616	4367
50°	8686	4210	4520
55°	7600	4035	4678
60°	6358	3966	4742
65°	5058	3863	4595
70°	4005	3649	4238
75°	2947	3282	3761
80°	2089	2925	3347
85°	1276	2729	3077



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	3.8
10°-20°	176.5	10.6
20°-30°	246.7	14.9
30°-40°	255.9	15.4
40°-50°	236.4	14.2
50°-60°	211.1	12.7
60°-70°	171.1	10.3
70°-80°	113.8	6.9
80°-90°	65.2	3.9
90°-100°	36.0	2.2
100°-110°	24.4	1.5
110°-120°	20.3	1.2
120°-130°	16.5	1.0
130°-140°	11.9	0.7
140°-150°	7.2	0.4
150°-160°	3.5	0.2
160°-170°	0.9	0.1
170°-180°	0.0	0.0
0°-30°	485.7	29.3
0°-40°	741.7	44.7
0°-60°	1189.2	71.6
0°-90°	1539.2	92.7
90°-120°	80.8	4.9
90°-150°	116.4	7.0
90°-180°	121.0	7.3
0°-180°	1660.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	660	660	660	660	660	
5°	667	656	659	655	654	63
15°	650	637	631	617	611	184
25°	614	587	542	485	465	283
35°	549	488	388	326	312	342
45°	440	348	264	255	263	338
55°	294	222	206	240	255	261
65°	150	134	168	206	217	152
75°	58	73	113	139	145	64
85°	12	34	67	86	88	14
90°	1	24	53	64	63	1
95°	1	20	42	45	43	0
105°	0	18	30	29	28	0
115°	0	16	27	26	26	0
125°	0	14	24	25	24	0
135°	1	10	19	22	22	0
145°	1	6	13	17	18	0
155°	1	4	8	11	13	0
165°	1	2	4	5	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°	660.1	660.1	660.1	660.1	660.1
2.5°	668.4	657.5	660.9	658.1	654.3
5°	667.0	655.8	659.2	654.6	653.8
7.5°	664.4	653.2	655.2	649.8	648.3
10°	660.9	649.2	649.5	641.7	639.7
12.5°	656.4	643.4	641.7	631.1	628.2
15°	650.3	636.6	631.1	616.8	610.7
17.5°	643.7	627.7	616.5	594.4	584.9
20°	634.8	616.8	597.3	563.7	551.1
22.5°	625.9	603.6	572.3	527.5	510.6
25°	614.5	587.2	541.9	485.1	465.3
27.5°	601.6	568.0	506.9	441.5	420.3
30°	586.4	544.8	468.5	398.7	378.7
32.5°	568.6	518.7	428.0	360.3	341.7
35°	548.8	488.5	388.4	326.2	311.5
37.5°	526.1	455.5	351.7	298.6	289.2
40°	500.3	419.7	317.8	277.4	274.2
42.5°	472.5	384.7	288.9	263.6	266.5
45°	439.5	348.3	264.5	255.0	262.8
47.5°	404.8	312.7	244.7	250.1	261.3
50°	371.2	279.7	229.2	247.0	260.2
52.5°	329.6	250.1	216.9	244.1	258.5
55°	293.8	222.0	206.5	240.1	255.0
57.5°	252.4	196.8	197.4	234.9	249.9
60°	218.0	173.8	188.5	227.8	242.1
62.5°	183.0	153.2	178.7	218.3	231.2
65°	150.0	134.3	168.1	206.0	216.9
67.5°	122.5	117.0	156.1	191.1	200.2
70°	99.3	101.3	142.9	174.4	182.2
72.5°	76.3	86.6	128.5	156.6	163.2
75°	58.2	72.9	113.3	138.8	144.6
77.5°	43.0	60.8	99.5	122.8	127.7
80°	30.4	50.2	86.6	108.7	112.5
82.5°	20.4	41.3	76.0	96.1	99.5
85°	11.8	33.9	66.8	85.5	87.8
87.5°	4.9	28.1	59.4	74.6	75.7
90°	0.6	23.8	52.8	63.7	63.1
92.5°	0.6	21.5	47.0	53.4	51.9
95°	0.6	20.1	41.9	44.8	43.3
97.5°	0.6	19.2	37.3	38.4	37.0
100°	0.3	18.6	34.1	34.1	32.7
102.5°	0.3	18.1	31.8	31.0	29.8
105°	0.3	17.5	30.1	29.3	27.8
107.5°	0.3	17.2	29.0	28.1	26.7
110°	0.3	16.6	28.1	27.3	26.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	16.4	27.5	27.0	25.5
115°	0.3	15.8	26.7	26.4	25.5
117.5°	0.3	15.2	26.1	26.1	25.2
120°	0.3	14.6	25.2	25.8	25.0
122.5°	0.3	14.1	24.4	25.2	24.4
125°	0.3	13.5	23.5	24.7	24.1
127.5°	0.6	12.6	22.4	24.1	23.5
130°	0.3	11.8	21.2	23.5	23.2
132.5°	0.6	10.9	20.1	22.7	22.7
135°	0.6	10.0	18.6	21.8	21.8
137.5°	0.6	8.9	17.2	20.7	20.9
140°	0.6	8.0	15.8	19.5	20.1
142.5°	0.6	7.2	14.3	18.4	19.2
145°	0.6	6.3	12.9	16.9	18.1
147.5°	0.6	5.7	11.5	15.2	16.9
150°	0.6	4.9	10.3	13.8	15.5
152.5°	0.6	4.3	9.2	12.3	14.3
155°	0.6	4.0	8.0	10.6	12.9
157.5°	0.6	3.4	6.9	9.2	11.5
160°	0.6	2.9	5.7	8.0	9.8
162.5°	0.6	2.6	4.9	6.6	8.6
165°	0.6	2.3	4.0	5.2	6.9
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)