

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-L935-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-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

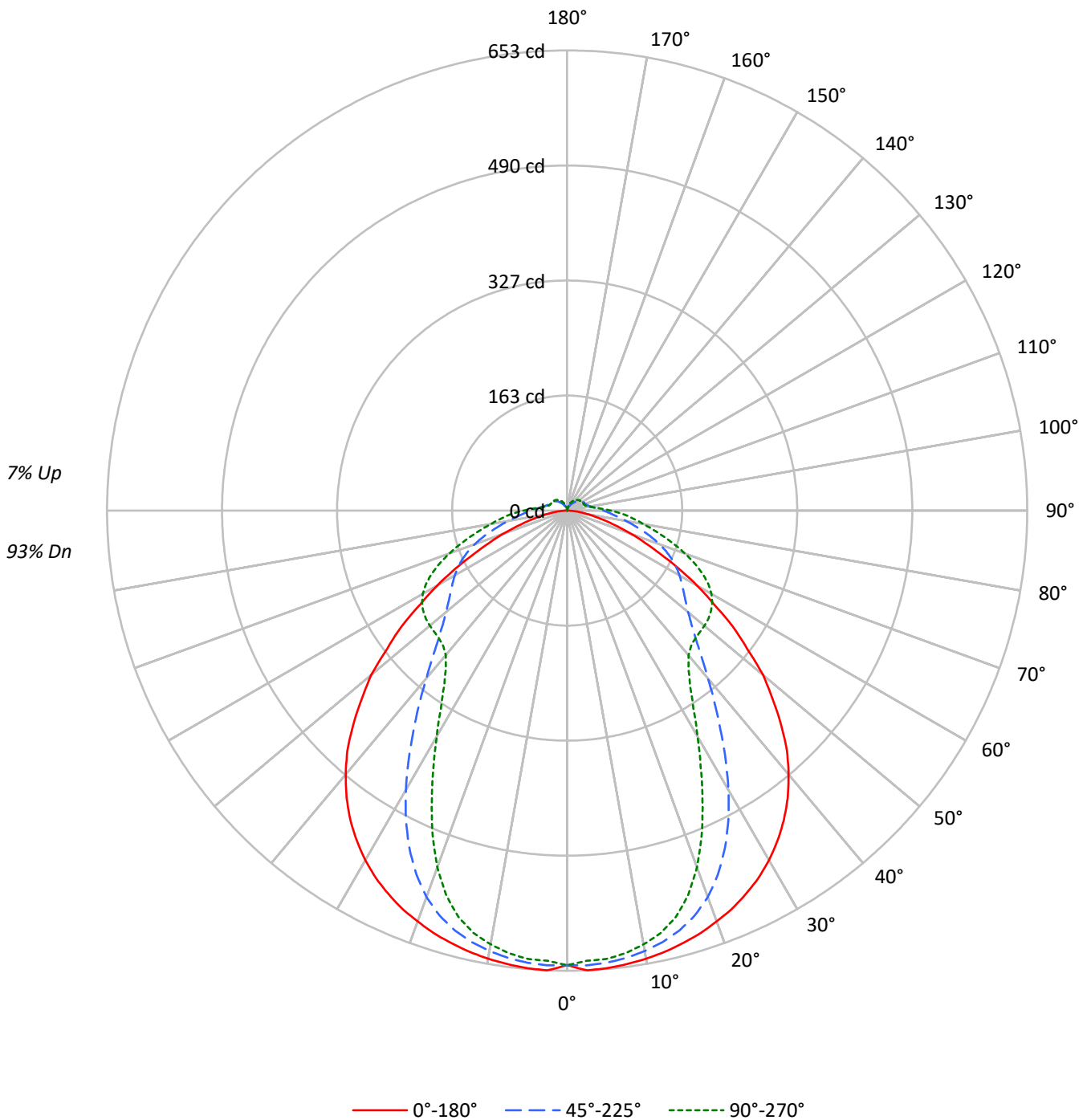
Lumens per Lamp: N/A
Luminaire Lumens: 1622.1 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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°	10425	10425	10425
5°	10516	10174	10034
10°	10483	9875	9622
15°	10457	9528	9073
20°	10431	9021	8149
25°	10404	8251	6899
30°	10319	7246	5675
35°	10136	6154	4756
40°	9799	5202	4300
45°	9237	4510	4268
50°	8487	4114	4416
55°	7424	3943	4571
60°	6213	3876	4635
65°	4944	3776	4490
70°	3912	3564	4141
75°	2881	3207	3675
80°	2041	2860	3269
85°	1244	2668	3007



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	3.8
10°-20°	172.5	10.6
20°-30°	241.1	14.9
30°-40°	250.1	15.4
40°-50°	231.0	14.2
50°-60°	206.3	12.7
60°-70°	167.2	10.3
70°-80°	111.2	6.9
80°-90°	63.7	3.9
90°-100°	35.2	2.2
100°-110°	23.9	1.5
110°-120°	19.9	1.2
120°-130°	16.1	1.0
130°-140°	11.6	0.7
140°-150°	7.0	0.4
150°-160°	3.4	0.2
160°-170°	0.9	0.1
170°-180°	0.0	0.0
0°-30°	474.6	29.3
0°-40°	724.7	44.7
0°-60°	1162.0	71.6
0°-90°	1504.0	92.7
90°-120°	79.0	4.9
90°-150°	113.8	7.0
90°-180°	118.0	7.3
0°-180°	1622.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	645	645	645	645	645	
5°	652	641	644	640	639	62
15°	635	622	617	603	597	180
25°	600	574	530	474	455	277
35°	536	477	380	319	304	335
45°	429	340	258	249	257	330
55°	287	217	202	235	249	255
65°	147	131	164	201	212	148
75°	57	71	111	136	141	62
85°	12	33	65	84	86	13
90°	1	23	52	62	62	1
95°	1	20	41	44	42	0
105°	0	17	29	29	27	0
115°	0	15	26	26	25	0
125°	0	13	23	24	24	0
135°	1	10	18	21	21	0
145°	1	6	13	16	18	0
155°	1	4	8	10	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°	645.0	645.0	645.0	645.0	645.0
2.5°	653.1	642.4	645.8	643.0	639.4
5°	651.7	640.8	644.1	639.6	638.8
7.5°	649.2	638.2	640.2	634.9	633.5
10°	645.8	634.3	634.6	627.0	625.1
12.5°	641.3	628.7	627.0	616.7	613.9
15°	635.4	622.0	616.7	602.6	596.8
17.5°	629.0	613.3	602.4	580.8	571.5
20°	620.3	602.6	583.6	550.8	538.5
22.5°	611.6	589.8	559.2	515.5	498.9
25°	600.4	573.8	529.5	474.0	454.6
27.5°	587.8	555.0	495.3	431.4	410.6
30°	572.9	532.3	457.7	389.6	370.0
32.5°	555.6	506.8	418.2	352.1	333.8
35°	536.2	477.4	379.5	318.7	304.4
37.5°	514.1	445.1	343.6	291.8	282.5
40°	488.8	410.1	310.6	271.1	268.0
42.5°	461.7	375.9	282.3	257.6	260.4
45°	429.4	340.3	258.4	249.2	256.8
47.5°	395.5	305.5	239.1	244.4	255.4
50°	362.7	273.3	224.0	241.3	254.2
52.5°	322.1	244.4	211.9	238.5	252.6
55°	287.0	217.0	201.8	234.6	249.2
57.5°	246.7	192.3	192.8	229.6	244.1
60°	213.0	169.9	184.2	222.6	236.6
62.5°	178.8	149.7	174.6	213.3	225.9
65°	146.6	131.2	164.3	201.3	211.9
67.5°	119.7	114.4	152.5	186.7	195.6
70°	97.0	98.9	139.6	170.4	178.0
72.5°	74.6	84.7	125.6	153.0	159.5
75°	56.9	71.2	110.7	135.7	141.3
77.5°	42.0	59.4	97.3	120.0	124.7
80°	29.7	49.1	84.7	106.2	109.9
82.5°	19.9	40.4	74.3	93.9	97.3
85°	11.5	33.1	65.3	83.5	85.8
87.5°	4.8	27.5	58.0	72.9	74.0
90°	0.6	23.3	51.6	62.2	61.7
92.5°	0.6	21.0	46.0	52.1	50.7
95°	0.6	19.6	40.9	43.7	42.3
97.5°	0.6	18.8	36.4	37.6	36.2
100°	0.3	18.2	33.4	33.4	32.0
102.5°	0.3	17.7	31.1	30.3	29.2
105°	0.3	17.1	29.4	28.6	27.2
107.5°	0.3	16.8	28.3	27.5	26.1
110°	0.3	16.3	27.5	26.6	25.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	16.0	26.9	26.3	24.9
115°	0.3	15.4	26.1	25.8	24.9
117.5°	0.3	14.9	25.5	25.5	24.7
120°	0.3	14.3	24.7	25.2	24.4
122.5°	0.3	13.7	23.8	24.7	23.8
125°	0.3	13.2	23.0	24.1	23.5
127.5°	0.6	12.3	21.9	23.5	23.0
130°	0.3	11.5	20.7	23.0	22.7
132.5°	0.6	10.7	19.6	22.1	22.1
135°	0.6	9.8	18.2	21.3	21.3
137.5°	0.6	8.7	16.8	20.2	20.5
140°	0.6	7.8	15.4	19.1	19.6
142.5°	0.6	7.0	14.0	17.9	18.8
145°	0.6	6.2	12.6	16.5	17.7
147.5°	0.6	5.6	11.2	14.9	16.5
150°	0.6	4.8	10.1	13.5	15.1
152.5°	0.6	4.2	9.0	12.1	14.0
155°	0.6	3.9	7.8	10.4	12.6
157.5°	0.6	3.4	6.7	9.0	11.2
160°	0.6	2.8	5.6	7.8	9.5
162.5°	0.6	2.5	4.8	6.4	8.4
165°	0.6	2.2	3.9	5.0	6.7
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)