

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-LD5-23SL-SLW-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 (P27403)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNLED-LD5-23SL-SLW-UNV-L935-CD1-U  
Description: 2FT LINEAR SNLED LED FIXTURE  
SQUARE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

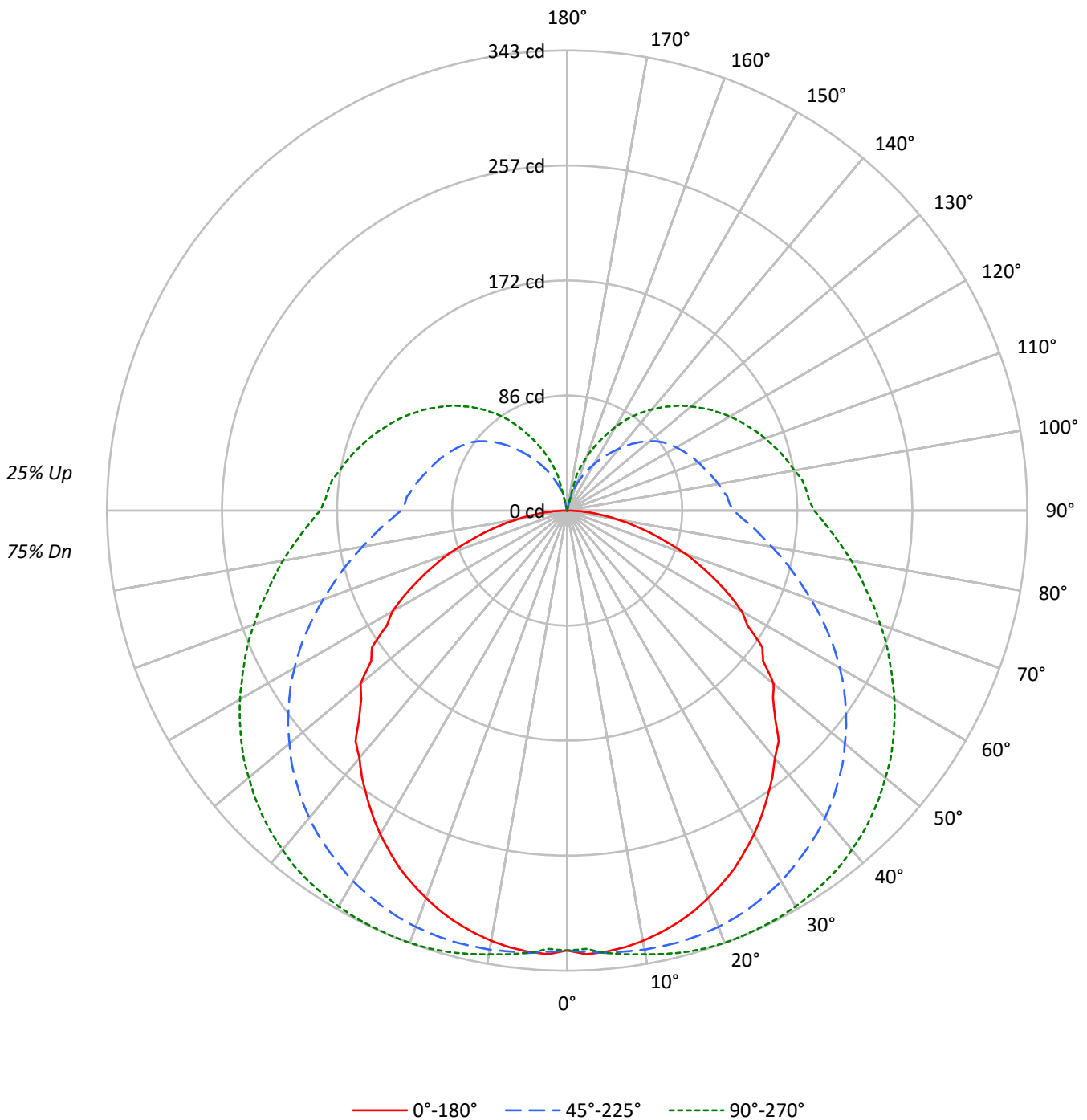
Lumens per Lamp: N/A  
Luminaire Lumens: 1888.0 lumens  
Efficiency: N/A  
Efficacy: 89.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 21  
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



TEST NUMBER: P#  
CATALOG NUMBER: 2SNLED-LD5-23SL-SLW-UNV-L935-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-23SL-SLW-UNV-L935-CD1-U

**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	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5300	5300	5300
5°	5326	5228	5199
10°	5285	5171	5169
15°	5235	5134	5180
20°	5169	5102	5189
25°	5105	5074	5198
30°	5018	5050	5226
35°	4922	5022	5260
40°	4829	5007	5296
45°	4715	4986	5338
50°	4704	4963	5380
55°	4592	4949	5444
60°	4387	4938	5518
65°	4101	4925	5621
70°	3775	4938	5778
75°	3236	5026	6011
80°	2625	5228	6402
85°	1774	5654	6968



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-23SL-SLW-UNV-L935-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.5	1.7
10°-20°	93.4	4.9
20°-30°	148.4	7.9
30°-40°	190.5	10.1
40°-50°	215.1	11.4
50°-60°	219.5	11.6
60°-70°	203.4	10.8
70°-80°	172.2	9.1
80°-90°	137.4	7.3
90°-100°	116.7	6.2
100°-110°	104.0	5.5
110°-120°	88.6	4.7
120°-130°	70.3	3.7
130°-140°	49.9	2.6
140°-150°	29.8	1.6
150°-160°	13.9	0.7
160°-170°	3.3	0.2
170°-180°	0.0	0.0
0°-30°	273.4	14.5
0°-40°	463.9	24.6
0°-60°	898.5	47.6
0°-90°	1411.5	74.8
90°-120°	309.3	16.4
90°-150°	459.3	24.3
90°-180°	476.0	25.2
0°-180°	1888.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	328	328	328	328	328	
5°	330	327	331	331	331	31
15°	318	321	332	338	341	90
25°	295	304	326	337	342	136
35°	260	280	310	329	337	163
45°	219	249	286	311	321	170
55°	178	207	253	284	297	156
65°	122	162	214	251	265	121
75°	64	113	174	216	231	68
85°	16	73	138	183	199	18
90°	1	59	124	169	184	1
95°	0	56	120	164	179	0
105°	0	52	109	150	165	0
115°	0	48	99	135	149	0
125°	0	41	88	119	131	0
135°	0	31	71	101	110	0
145°	0	20	50	75	86	0
155°	0	12	31	46	57	0
165°	0	7	14	19	27	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-23SL-SLW-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	327.9	327.9	327.9	327.9	327.9
2.5°	331.0	327.4	329.2	328.7	327.0
5°	330.1	327.4	331.0	331.0	331.0
7.5°	328.3	326.5	331.4	333.2	333.6
10°	325.6	325.6	332.3	335.0	335.8
12.5°	322.1	323.4	332.3	336.3	338.5
15°	318.1	320.8	332.3	338.5	340.7
17.5°	313.2	317.7	331.4	338.9	342.1
20°	307.4	314.1	330.1	338.9	342.9
22.5°	301.2	309.7	328.3	338.1	342.9
25°	294.6	304.3	325.6	337.2	342.5
27.5°	286.6	299.0	322.5	335.8	342.1
30°	278.6	292.8	319.0	334.1	340.7
32.5°	269.7	286.2	314.5	331.4	338.9
35°	260.4	279.5	309.7	328.7	336.7
37.5°	251.1	271.5	304.8	325.2	334.1
40°	240.9	263.5	299.0	320.8	330.1
42.5°	233.4	255.1	292.8	316.3	326.1
45°	219.2	248.9	285.7	310.6	321.2
47.5°	208.1	236.9	278.6	304.8	315.9
50°	201.0	227.1	270.2	298.1	309.7
52.5°	184.1	220.5	262.2	291.5	303.9
55°	177.5	207.2	253.3	284.4	296.8
57.5°	159.3	197.9	244.5	276.4	289.3
60°	150.4	185.0	234.7	268.4	281.7
62.5°	136.6	173.9	224.9	259.5	273.3
65°	121.6	161.9	214.3	251.1	265.3
67.5°	107.4	150.0	204.1	242.2	257.3
70°	93.6	137.5	193.4	233.4	248.4
72.5°	77.6	125.1	183.2	224.9	240.0
75°	63.9	113.1	173.5	216.1	231.1
77.5°	50.6	101.6	164.2	208.1	223.2
80°	38.2	90.5	154.8	199.6	215.2
82.5°	26.6	81.2	146.4	191.7	206.7
85°	16.4	72.8	138.4	183.2	198.8
87.5°	7.5	65.2	130.4	175.2	191.2
90°	0.9	59.4	123.8	168.6	184.1
92.5°	0.4	57.7	121.1	165.5	180.6
95°	0.0	55.9	119.8	163.7	178.8
97.5°	0.0	54.1	116.7	161.0	176.6
100°	0.0	53.2	114.5	157.1	172.1
102.5°	0.0	51.9	111.8	153.5	168.6
105°	0.0	51.5	109.1	150.4	165.0
107.5°	0.0	50.6	106.5	146.4	161.0
110°	0.0	49.7	104.3	142.9	157.1



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-23SL-SLW-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	48.8	102.0	139.3	153.1
115°	0.0	47.9	99.4	135.3	148.6
117.5°	0.0	46.6	96.7	131.3	144.6
120°	0.0	44.8	94.1	127.8	140.2
122.5°	0.0	43.0	91.4	123.3	135.3
125°	0.0	41.3	88.3	119.3	130.9
127.5°	0.0	38.6	84.7	114.9	125.6
130°	0.0	35.9	80.3	110.5	120.7
132.5°	0.4	33.3	75.9	105.6	115.8
135°	0.0	30.6	71.0	100.7	110.0
137.5°	0.0	28.4	65.7	95.4	104.3
140°	0.0	25.7	60.3	89.2	98.5
142.5°	0.0	22.6	55.0	82.5	92.3
145°	0.0	20.0	49.7	75.4	86.1
147.5°	0.4	17.7	44.8	67.9	79.4
150°	0.4	16.0	39.9	60.3	71.9
152.5°	0.4	14.2	35.0	53.2	64.3
155°	0.4	12.4	30.6	46.1	57.2
157.5°	0.4	10.6	25.7	39.0	49.7
160°	0.4	9.3	21.3	32.8	42.6
162.5°	0.4	8.0	17.3	25.7	35.0
165°	0.4	6.7	13.8	19.1	27.1
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)