

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: **8SNLED-LD5-120SL-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: 8SNLED-LD5-120SL-SLN-UNV-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

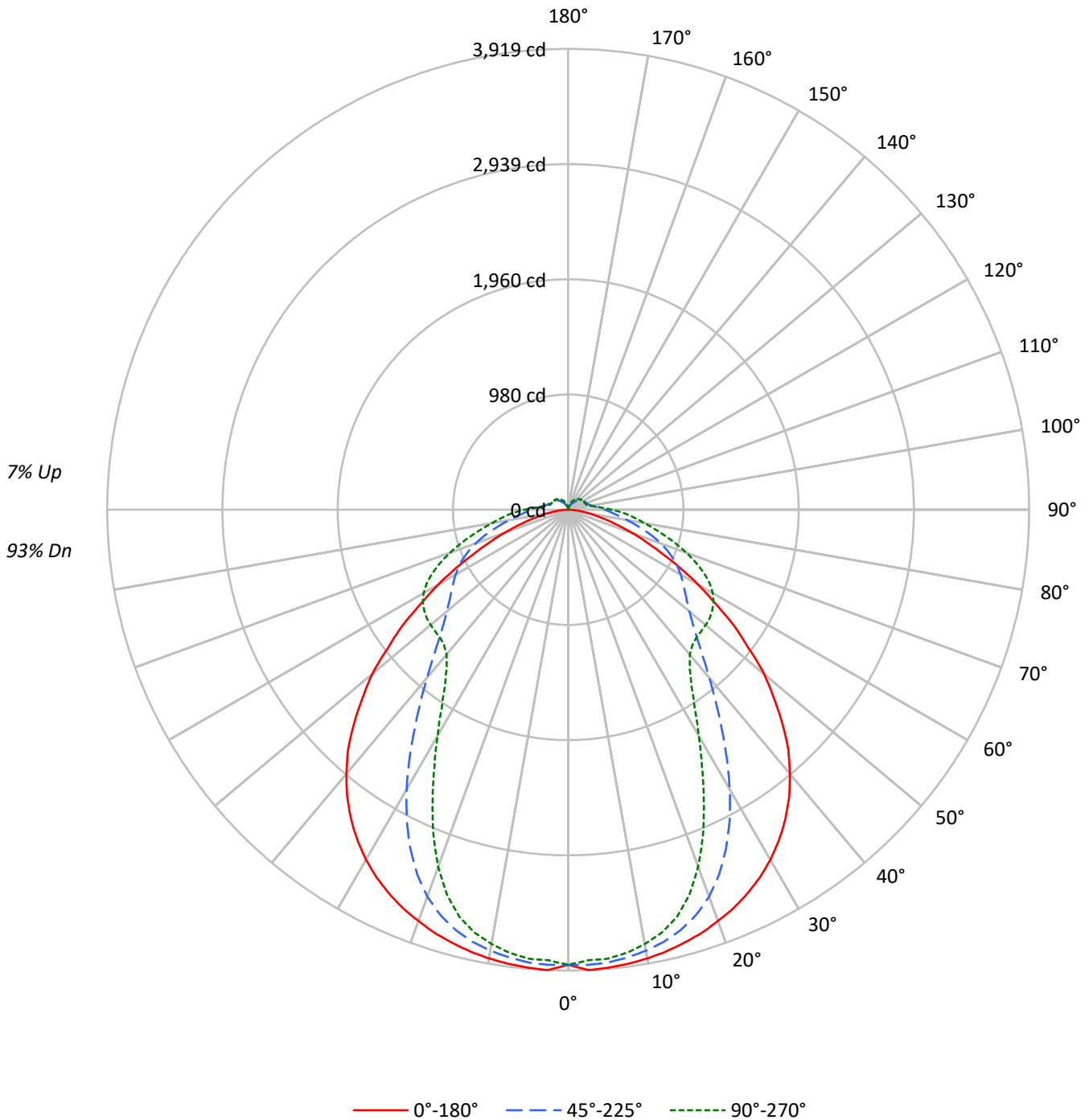
Lumens per Lamp: N/A  
Luminaire Lumens: 9732.0 lumens  
Efficiency: N/A  
Efficacy: 105.8 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 92  
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°	15636	15636	15636
5°	15838	15305	15051
10°	15854	14896	14432
15°	15882	14410	13609
20°	15913	13679	12222
25°	15944	12546	10350
30°	15895	11050	8513
35°	15698	9411	7134
40°	15270	7978	6449
45°	14496	6941	6400
50°	13430	6354	6625
55°	11867	6115	6856
60°	10057	6038	6951
65°	8137	5915	6734
70°	6591	5623	6211
75°	5036	5104	5511
80°	3811	4602	4903
85°	2714	4367	4509



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	366.1	3.8
10°-20°	1034.8	10.6
20°-30°	1446.6	14.9
30°-40°	1500.5	15.4
40°-50°	1386.2	14.2
50°-60°	1237.6	12.7
60°-70°	1003.0	10.3
70°-80°	667.1	6.9
80°-90°	382.0	3.9
90°-100°	211.4	2.2
100°-110°	143.1	1.5
110°-120°	119.2	1.2
120°-130°	96.9	1.0
130°-140°	69.9	0.7
140°-150°	42.1	0.4
150°-160°	20.3	0.2
160°-170°	5.2	0.1
170°-180°	0.0	0.0
0°-30°	2847.5	29.3
0°-40°	4348.0	44.7
0°-60°	6971.8	71.6
0°-90°	9024.0	92.7
90°-120°	473.6	4.9
90°-150°	682.5	7.0
90°-180°	708.0	7.3
0°-180°	9732.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3870	3870	3870	3870	3870	
5°	3910	3845	3865	3838	3833	372
15°	3813	3732	3700	3616	3581	1077
25°	3602	3443	3177	2844	2728	1660
35°	3217	2864	2277	1912	1826	2007
45°	2576	2042	1551	1495	1540	1981
55°	1722	1302	1211	1408	1495	1531
65°	880	787	986	1208	1271	889
75°	341	427	664	814	848	374
85°	69	198	392	501	515	79
90°	3	140	310	373	370	5
95°	3	118	246	262	254	3
105°	2	103	177	172	163	2
115°	2	92	156	155	150	2
125°	2	79	138	145	141	2
135°	3	59	109	128	128	2
145°	3	37	76	99	106	2
155°	3	24	47	62	76	2
165°	3	14	24	30	40	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-SLN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3869.8	3869.8	3869.8	3869.8	3869.8
2.5°	3918.6	3854.7	3874.9	3858.1	3836.2
5°	3910.2	3844.6	3864.8	3837.9	3832.8
7.5°	3895.1	3829.5	3841.2	3809.3	3800.9
10°	3874.9	3805.9	3807.6	3762.2	3750.4
12.5°	3848.0	3772.3	3762.2	3700.0	3683.2
15°	3812.7	3731.9	3700.0	3615.9	3580.6
17.5°	3774.0	3679.8	3614.2	3484.7	3429.2
20°	3721.8	3615.9	3501.5	3304.7	3230.7
22.5°	3669.7	3538.5	3355.2	3092.8	2993.6
25°	3602.4	3442.7	3176.9	2843.9	2727.9
27.5°	3526.7	3330.0	2971.7	2588.3	2463.8
30°	3437.6	3193.7	2746.4	2337.7	2220.0
32.5°	3333.3	3040.7	2509.3	2112.3	2003.0
35°	3217.3	2864.1	2277.2	1912.2	1826.4
37.5°	3084.4	2670.7	2061.9	1750.8	1695.3
40°	2933.1	2460.5	1863.4	1626.3	1607.8
42.5°	2769.9	2255.3	1693.6	1545.6	1562.4
45°	2576.5	2041.7	1550.6	1495.1	1540.5
47.5°	2373.0	1833.2	1434.6	1466.5	1532.1
50°	2176.3	1639.8	1343.8	1448.0	1525.4
52.5°	1932.4	1466.5	1271.4	1431.2	1515.3
55°	1722.2	1301.7	1210.9	1407.7	1495.1
57.5°	1480.0	1153.7	1157.1	1377.4	1464.9
60°	1278.2	1019.2	1104.9	1335.4	1419.4
62.5°	1073.0	898.1	1047.8	1279.9	1355.5
65°	879.6	787.1	985.5	1207.5	1271.4
67.5°	718.1	686.2	914.9	1120.1	1173.9
70°	581.9	593.7	837.5	1022.5	1067.9
72.5°	447.4	507.9	753.4	918.3	956.9
75°	341.4	427.2	664.3	814.0	847.6
77.5°	252.3	356.5	583.6	719.8	748.4
80°	178.3	294.3	507.9	637.4	659.3
82.5°	119.4	242.2	445.7	563.4	583.6
85°	69.0	198.5	391.9	501.2	514.6
87.5°	28.6	164.8	348.1	437.3	444.0
90°	3.4	139.6	309.5	373.4	370.0
92.5°	3.4	126.1	275.8	312.8	304.4
95°	3.4	117.7	245.5	262.4	254.0
97.5°	3.4	112.7	218.6	225.4	217.0
100°	1.7	109.3	200.1	200.1	191.7
102.5°	1.7	106.0	186.7	181.6	174.9
105°	1.7	102.6	176.6	171.5	163.1
107.5°	1.7	100.9	169.9	164.8	156.4
110°	1.7	97.5	164.8	159.8	153.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	95.9	161.5	158.1	149.7
115°	1.7	92.5	156.4	154.7	149.7
117.5°	1.7	89.1	153.0	153.0	148.0
120°	1.7	85.8	148.0	151.4	146.3
122.5°	1.7	82.4	143.0	148.0	143.0
125°	1.7	79.0	137.9	144.6	141.3
127.5°	3.4	74.0	131.2	141.3	137.9
130°	1.7	69.0	124.5	137.9	136.2
132.5°	3.4	63.9	117.7	132.9	132.9
135°	3.4	58.9	109.3	127.8	127.8
137.5°	3.4	52.1	100.9	121.1	122.8
140°	3.4	47.1	92.5	114.4	117.7
142.5°	3.4	42.0	84.1	107.6	112.7
145°	3.4	37.0	75.7	99.2	106.0
147.5°	3.4	33.6	67.3	89.1	99.2
150°	3.4	28.6	60.5	80.7	90.8
152.5°	3.4	25.2	53.8	72.3	84.1
155°	3.4	23.5	47.1	62.2	75.7
157.5°	3.4	20.2	40.4	53.8	67.3
160°	3.4	16.8	33.6	47.1	57.2
162.5°	3.4	15.1	28.6	38.7	50.5
165°	3.4	13.5	23.5	30.3	40.4
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)