

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-LD5-106SL-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-LD5-106SL-SLN-UNV-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

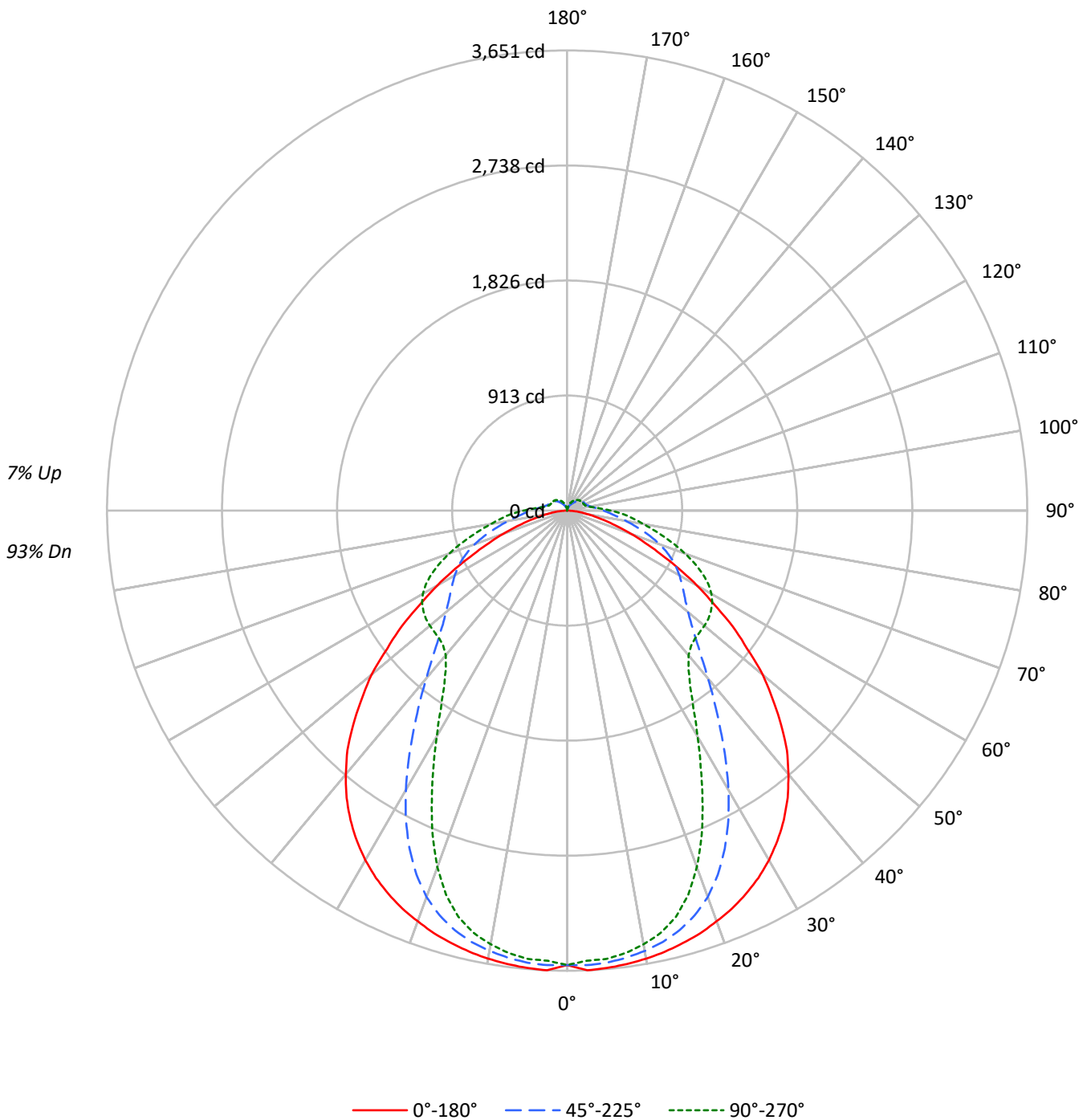
Lumens per Lamp: N/A  
Luminaire Lumens: 9067.0 lumens  
Efficiency: N/A  
Efficacy: 110.6 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 82  
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°	14568	14568	14568
5°	14756	14259	14023
10°	14771	13878	13446
15°	14797	13425	12679
20°	14825	12745	11387
25°	14855	11688	9643
30°	14809	10295	7931
35°	14625	8768	6646
40°	14227	7433	6008
45°	13506	6467	5963
50°	12512	5919	6172
55°	11056	5698	6388
60°	9369	5625	6476
65°	7581	5511	6275
70°	6141	5239	5787
75°	4692	4755	5135
80°	3550	4288	4568
85°	2525	4069	4202



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	341.1	3.8
10°-20°	964.1	10.6
20°-30°	1347.7	14.9
30°-40°	1398.0	15.4
40°-50°	1291.5	14.2
50°-60°	1153.1	12.7
60°-70°	934.5	10.3
70°-80°	621.5	6.9
80°-90°	355.9	3.9
90°-100°	196.9	2.2
100°-110°	133.4	1.5
110°-120°	111.0	1.2
120°-130°	90.3	1.0
130°-140°	65.1	0.7
140°-150°	39.2	0.4
150°-160°	18.9	0.2
160°-170°	4.9	0.1
170°-180°	0.0	0.0
0°-30°	2653.0	29.3
0°-40°	4050.9	44.7
0°-60°	6495.5	71.6
0°-90°	8407.4	92.7
90°-120°	441.3	4.9
90°-150°	635.9	7.0
90°-180°	660.0	7.3
0°-180°	9067.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3605	3605	3605	3605	3605	
5°	3643	3582	3601	3576	3571	347
15°	3552	3477	3447	3369	3336	1004
25°	3356	3207	2960	2650	2542	1547
35°	2998	2668	2122	1782	1702	1870
45°	2400	1902	1445	1393	1435	1846
55°	1604	1213	1128	1312	1393	1427
65°	820	733	918	1125	1185	828
75°	318	398	619	758	790	349
85°	64	185	365	467	480	74
90°	3	130	288	348	345	5
95°	3	110	229	244	237	2
105°	2	96	164	160	152	2
115°	2	86	146	144	140	2
125°	2	74	128	135	132	2
135°	3	55	102	119	119	2
145°	3	34	70	92	99	2
155°	3	22	44	58	70	1
165°	3	12	22	28	38	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-SLN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3605.4	3605.4	3605.4	3605.4	3605.4
2.5°	3650.8	3591.3	3610.1	3594.4	3574.1
5°	3643.0	3581.9	3600.7	3575.6	3570.9
7.5°	3628.9	3567.8	3578.8	3549.0	3541.2
10°	3610.1	3545.9	3547.4	3505.1	3494.2
12.5°	3585.0	3514.5	3505.1	3447.1	3431.5
15°	3552.1	3476.9	3447.1	3368.8	3335.9
17.5°	3516.1	3428.3	3367.2	3246.6	3194.9
20°	3467.5	3368.8	3262.3	3078.9	3010.0
22.5°	3418.9	3296.7	3125.9	2881.5	2789.1
25°	3356.3	3207.4	2959.8	2649.6	2541.5
27.5°	3285.8	3102.4	2768.7	2411.4	2295.5
30°	3202.7	2975.5	2558.7	2178.0	2068.3
32.5°	3105.6	2832.9	2337.8	1968.0	1866.2
35°	2997.5	2668.4	2121.6	1781.5	1701.6
37.5°	2873.7	2488.2	1921.0	1631.1	1579.4
40°	2732.6	2292.4	1736.1	1515.2	1497.9
42.5°	2580.7	2101.2	1577.9	1440.0	1455.6
45°	2400.5	1902.2	1444.7	1393.0	1435.3
47.5°	2210.9	1707.9	1336.6	1366.3	1427.4
50°	2027.5	1527.7	1251.9	1349.1	1421.2
52.5°	1800.4	1366.3	1184.6	1333.4	1411.8
55°	1604.5	1212.8	1128.2	1311.5	1393.0
57.5°	1378.9	1074.9	1078.0	1283.3	1364.8
60°	1190.8	949.5	1029.4	1244.1	1322.5
62.5°	999.7	836.7	976.2	1192.4	1262.9
65°	819.5	733.3	918.2	1125.0	1184.6
67.5°	669.1	639.3	852.4	1043.5	1093.7
70°	542.1	553.1	780.3	952.7	995.0
72.5°	416.8	473.2	702.0	855.5	891.6
75°	318.1	398.0	618.9	758.4	789.7
77.5°	235.0	332.2	543.7	670.6	697.3
80°	166.1	274.2	473.2	593.8	614.2
82.5°	111.2	225.6	415.2	524.9	543.7
85°	64.2	184.9	365.1	466.9	479.5
87.5°	26.6	153.6	324.3	407.4	413.7
90°	3.1	130.1	288.3	347.8	344.7
92.5°	3.1	117.5	257.0	291.4	283.6
95°	3.1	109.7	228.8	244.4	236.6
97.5°	3.1	105.0	203.7	210.0	202.1
100°	1.6	101.8	186.5	186.5	178.6
102.5°	1.6	98.7	173.9	169.2	163.0
105°	1.6	95.6	164.5	159.8	152.0
107.5°	1.6	94.0	158.3	153.6	145.7
110°	1.6	90.9	153.6	148.9	142.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	89.3	150.4	147.3	139.5
115°	1.6	86.2	145.7	144.2	139.5
117.5°	1.6	83.0	142.6	142.6	137.9
120°	1.6	79.9	137.9	141.0	136.3
122.5°	1.6	76.8	133.2	137.9	133.2
125°	1.6	73.6	128.5	134.8	131.6
127.5°	3.1	68.9	122.2	131.6	128.5
130°	1.6	64.2	115.9	128.5	126.9
132.5°	3.1	59.5	109.7	123.8	123.8
135°	3.1	54.8	101.8	119.1	119.1
137.5°	3.1	48.6	94.0	112.8	114.4
140°	3.1	43.9	86.2	106.5	109.7
142.5°	3.1	39.2	78.3	100.3	105.0
145°	3.1	34.5	70.5	92.4	98.7
147.5°	3.1	31.3	62.7	83.0	92.4
150°	3.1	26.6	56.4	75.2	84.6
152.5°	3.1	23.5	50.1	67.4	78.3
155°	3.1	21.9	43.9	58.0	70.5
157.5°	3.1	18.8	37.6	50.1	62.7
160°	3.1	15.7	31.3	43.9	53.3
162.5°	3.1	14.1	26.6	36.0	47.0
165°	3.1	12.5	21.9	28.2	37.6
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)