

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-L950-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-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

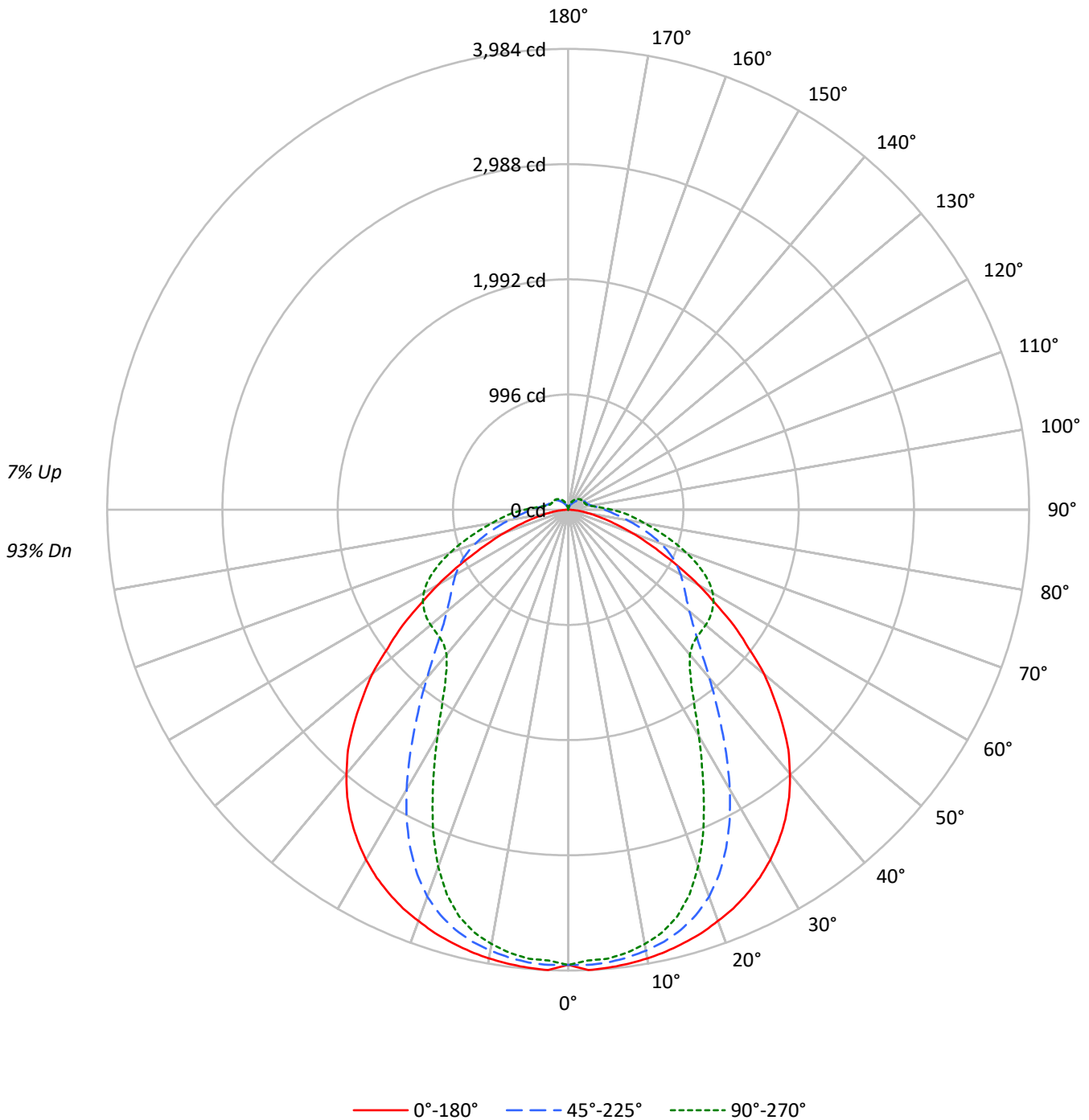
Lumens per Lamp: N/A  
Luminaire Lumens: 9894.0 lumens  
Efficiency: N/A  
Efficacy: 120.7 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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°	15897	15897	15897
5°	16102	15560	15302
10°	16118	15144	14673
15°	16146	14650	13836
20°	16178	13907	12425
25°	16210	12755	10522
30°	16159	11234	8654
35°	15959	9567	7253
40°	15525	8111	6557
45°	14737	7057	6507
50°	13653	6459	6735
55°	12064	6217	6971
60°	10224	6138	7067
65°	8272	6013	6847
70°	6701	5717	6314
75°	5120	5189	5603
80°	3873	4679	4984
85°	2757	4440	4585



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	372.2	3.8
10°-20°	1052.1	10.6
20°-30°	1470.7	14.9
30°-40°	1525.5	15.4
40°-50°	1409.3	14.2
50°-60°	1258.2	12.7
60°-70°	1019.7	10.3
70°-80°	678.2	6.9
80°-90°	388.4	3.9
90°-100°	214.9	2.2
100°-110°	145.5	1.5
110°-120°	121.1	1.2
120°-130°	98.5	1.0
130°-140°	71.0	0.7
140°-150°	42.8	0.4
150°-160°	20.6	0.2
160°-170°	5.3	0.1
170°-180°	0.0	0.0
0°-30°	2894.9	29.3
0°-40°	4420.4	44.7
0°-60°	7087.9	71.6
0°-90°	9174.2	92.7
90°-120°	481.5	4.9
90°-150°	693.9	7.0
90°-180°	720.0	7.3
0°-180°	9894.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3934	3934	3934	3934	3934	
5°	3975	3909	3929	3902	3897	378
15°	3876	3794	3762	3676	3640	1095
25°	3662	3500	3230	2891	2773	1688
35°	3271	2912	2315	1944	1857	2041
45°	2619	2076	1576	1520	1566	2014
55°	1751	1323	1231	1431	1520	1557
65°	894	800	1002	1228	1293	904
75°	347	434	675	828	862	381
85°	70	202	398	510	523	81
90°	3	142	315	380	376	5
95°	3	120	250	267	258	3
105°	2	104	180	174	166	2
115°	2	94	159	157	152	2
125°	2	80	140	147	144	2
135°	3	60	111	130	130	2
145°	3	38	77	101	108	2
155°	3	24	48	63	77	2
165°	3	14	24	31	41	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3934.3	3934.3	3934.3	3934.3	3934.3
2.5°	3983.8	3918.9	3939.4	3922.3	3900.1
5°	3975.3	3908.6	3929.1	3901.8	3896.6
7.5°	3959.9	3893.2	3905.2	3872.7	3864.1
10°	3939.4	3869.3	3871.0	3824.8	3812.9
12.5°	3912.0	3835.1	3824.8	3761.6	3744.5
15°	3876.1	3794.0	3761.6	3676.1	3640.2
17.5°	3836.8	3741.0	3674.4	3542.7	3486.3
20°	3783.8	3676.1	3559.8	3359.8	3284.5
22.5°	3730.8	3597.4	3411.1	3144.3	3043.4
25°	3662.4	3500.0	3229.8	2891.3	2773.3
27.5°	3585.5	3385.4	3021.2	2631.4	2504.9
30°	3494.8	3246.9	2792.1	2376.6	2256.9
32.5°	3388.8	3091.3	2551.0	2147.5	2036.4
35°	3270.8	2911.8	2315.1	1944.0	1856.8
37.5°	3135.8	2715.2	2096.2	1779.9	1723.5
40°	2981.9	2501.4	1894.5	1653.4	1634.6
42.5°	2816.0	2292.8	1721.8	1571.3	1588.4
45°	2619.4	2075.7	1576.4	1520.0	1566.2
47.5°	2412.5	1863.7	1458.5	1490.9	1557.6
50°	2212.5	1667.1	1366.1	1472.1	1550.8
52.5°	1964.6	1490.9	1292.6	1455.0	1540.5
55°	1750.8	1323.4	1231.1	1431.1	1520.0
57.5°	1504.6	1172.9	1176.3	1400.3	1489.2
60°	1299.4	1036.1	1123.3	1357.6	1443.1
62.5°	1090.9	913.0	1065.2	1301.2	1378.1
65°	894.2	800.2	1001.9	1227.6	1292.6
67.5°	730.1	697.6	930.1	1138.7	1193.4
70°	591.6	603.6	851.5	1039.6	1085.7
72.5°	454.8	516.4	766.0	933.6	972.9
75°	347.1	434.3	675.4	827.5	861.7
77.5°	256.5	362.5	593.3	731.8	760.9
80°	181.2	299.2	516.4	648.0	670.2
82.5°	121.4	246.2	453.1	572.8	593.3
85°	70.1	201.8	398.4	509.5	523.2
87.5°	29.1	167.6	353.9	444.5	451.4
90°	3.4	141.9	314.6	379.6	376.2
92.5°	3.4	128.2	280.4	318.0	309.5
95°	3.4	119.7	249.6	266.7	258.2
97.5°	3.4	114.6	222.3	229.1	220.6
100°	1.7	111.1	203.5	203.5	194.9
102.5°	1.7	107.7	189.8	184.7	177.8
105°	1.7	104.3	179.5	174.4	165.9
107.5°	1.7	102.6	172.7	167.6	159.0
110°	1.7	99.2	167.6	162.4	155.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	97.5	164.1	160.7	152.2
115°	1.7	94.0	159.0	157.3	152.2
117.5°	1.7	90.6	155.6	155.6	150.5
120°	1.7	87.2	150.5	153.9	148.8
122.5°	1.7	83.8	145.3	150.5	145.3
125°	1.7	80.4	140.2	147.0	143.6
127.5°	3.4	75.2	133.4	143.6	140.2
130°	1.7	70.1	126.5	140.2	138.5
132.5°	3.4	65.0	119.7	135.1	135.1
135°	3.4	59.8	111.1	129.9	129.9
137.5°	3.4	53.0	102.6	123.1	124.8
140°	3.4	47.9	94.0	116.3	119.7
142.5°	3.4	42.7	85.5	109.4	114.6
145°	3.4	37.6	76.9	100.9	107.7
147.5°	3.4	34.2	68.4	90.6	100.9
150°	3.4	29.1	61.6	82.1	92.3
152.5°	3.4	25.6	54.7	73.5	85.5
155°	3.4	23.9	47.9	63.3	76.9
157.5°	3.4	20.5	41.0	54.7	68.4
160°	3.4	17.1	34.2	47.9	58.1
162.5°	3.4	15.4	29.1	39.3	51.3
165°	3.4	13.7	23.9	30.8	41.0
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)