

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-LD5-136SL-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-LD5-136SL-SLN-UNV-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

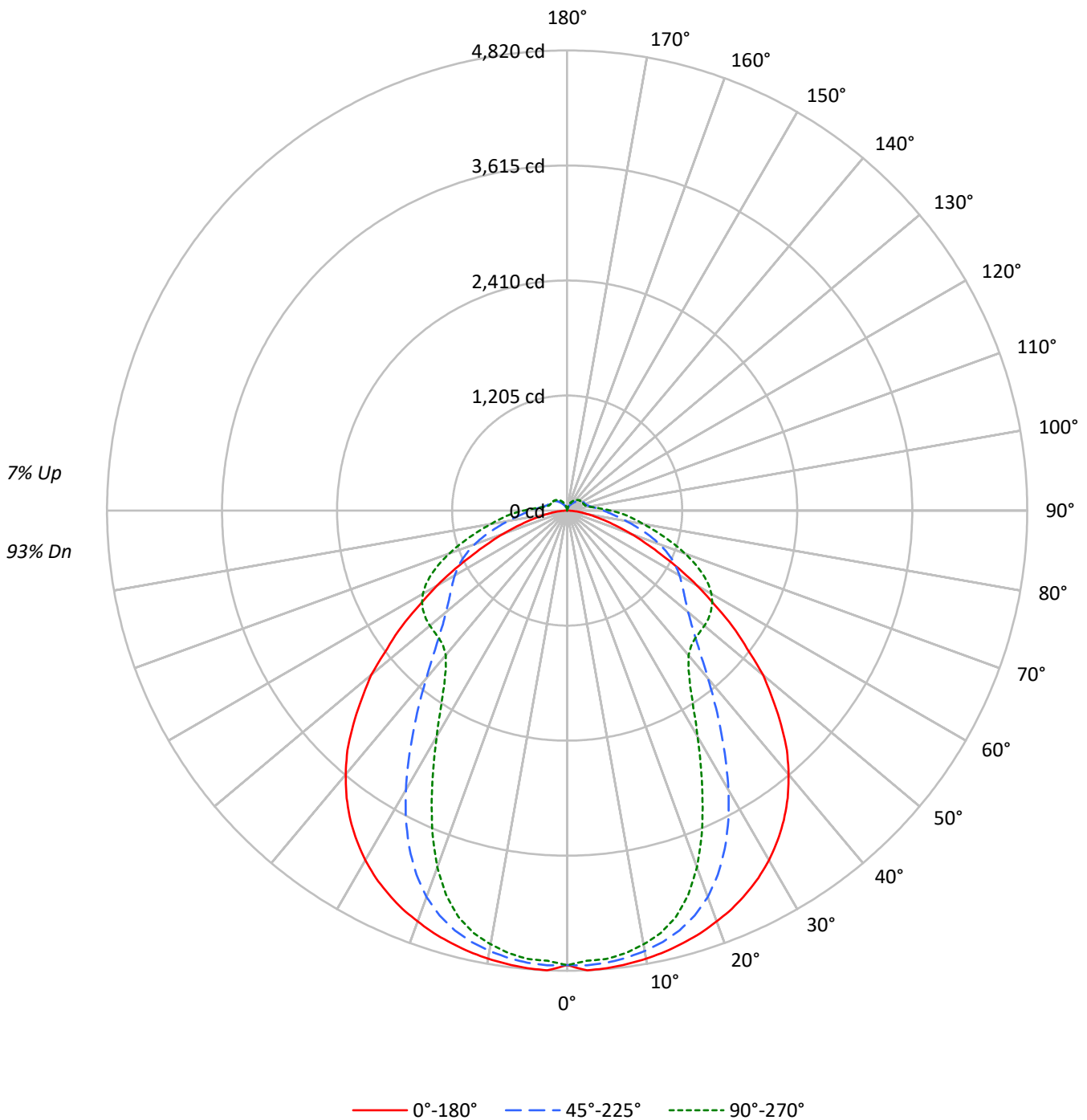
Lumens per Lamp: N/A  
Luminaire Lumens: 11972.0 lumens  
Efficiency: N/A  
Efficacy: 108.8 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 110  
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°	19235	19235	19235
5°	19483	18828	18516
10°	19504	18324	17754
15°	19538	17726	16741
20°	19575	16828	15035
25°	19614	15434	12732
30°	19553	13593	10472
35°	19311	11576	8776
40°	18785	9814	7934
45°	17833	8539	7873
50°	16521	7816	8150
55°	14599	7523	8435
60°	12372	7428	8551
65°	10009	7277	8285
70°	8108	6917	7641
75°	6195	6279	6780
80°	4687	5661	6031
85°	3336	5372	5548



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	450.4	3.8
10°-20°	1273.0	10.6
20°-30°	1779.5	14.9
30°-40°	1845.8	15.4
40°-50°	1705.3	14.2
50°-60°	1522.5	12.7
60°-70°	1233.8	10.3
70°-80°	820.7	6.9
80°-90°	470.0	3.9
90°-100°	260.0	2.2
100°-110°	176.1	1.5
110°-120°	146.6	1.2
120°-130°	119.2	1.0
130°-140°	85.9	0.7
140°-150°	51.8	0.4
150°-160°	24.9	0.2
160°-170°	6.4	0.1
170°-180°	0.0	0.0
0°-30°	3502.9	29.3
0°-40°	5348.8	44.7
0°-60°	8576.5	71.6
0°-90°	11101.0	92.7
90°-120°	582.7	4.9
90°-150°	839.6	7.0
90°-180°	871.0	7.3
0°-180°	11972.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4760	4760	4760	4760	4760	
5°	4810	4730	4754	4721	4715	458
15°	4690	4591	4552	4448	4405	1325
25°	4432	4235	3908	3498	3356	2042
35°	3958	3523	2801	2352	2247	2469
45°	3170	2512	1908	1839	1895	2437
55°	2119	1601	1490	1732	1839	1884
65°	1082	968	1212	1486	1564	1094
75°	420	526	817	1001	1043	460
85°	85	244	482	616	633	98
90°	4	172	381	459	455	7
95°	4	145	302	323	312	3
105°	2	126	217	211	201	2
115°	2	114	192	190	184	2
125°	2	97	170	178	174	2
135°	4	72	134	157	157	3
145°	4	46	93	122	130	3
155°	4	29	58	76	93	2
165°	4	17	29	37	50	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-136SL-SLN-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4760.5	4760.5	4760.5	4760.5	4760.5
2.5°	4820.5	4741.9	4766.8	4746.1	4719.2
5°	4810.2	4729.5	4754.3	4721.2	4715.0
7.5°	4791.6	4710.9	4725.4	4686.1	4675.7
10°	4766.8	4681.9	4684.0	4628.1	4613.7
12.5°	4733.7	4640.5	4628.1	4551.6	4530.9
15°	4690.2	4590.9	4551.6	4448.1	4404.7
17.5°	4642.6	4526.8	4446.1	4286.8	4218.5
20°	4578.5	4448.1	4307.5	4065.4	3974.4
22.5°	4514.3	4353.0	4127.5	3804.7	3682.6
25°	4431.6	4235.0	3908.2	3498.5	3355.8
27.5°	4338.5	4096.4	3655.8	3184.0	3030.9
30°	4228.8	3928.8	3378.5	2875.8	2731.0
32.5°	4100.6	3740.6	3086.8	2598.5	2464.1
35°	3957.8	3523.3	2801.3	2352.3	2246.8
37.5°	3794.4	3285.4	2536.5	2153.7	2085.5
40°	3608.2	3026.8	2292.3	2000.6	1977.9
42.5°	3407.5	2774.4	2083.4	1901.3	1922.0
45°	3169.6	2511.6	1907.5	1839.3	1895.1
47.5°	2919.2	2255.1	1764.8	1804.1	1884.8
50°	2677.2	2017.2	1653.1	1781.3	1876.5
52.5°	2377.2	1804.1	1564.1	1760.6	1864.1
55°	2118.6	1601.3	1489.6	1731.7	1839.3
57.5°	1820.6	1419.3	1423.4	1694.4	1802.0
60°	1572.4	1253.8	1359.3	1642.7	1746.2
62.5°	1320.0	1104.8	1288.9	1574.4	1667.5
65°	1082.0	968.2	1212.4	1485.5	1564.1
67.5°	883.4	844.1	1125.5	1377.9	1444.1
70°	715.8	730.3	1030.3	1257.9	1313.8
72.5°	550.3	624.8	926.9	1129.6	1177.2
75°	420.0	525.5	817.2	1001.3	1042.7
77.5°	310.3	438.6	717.9	885.5	920.7
80°	219.3	362.1	624.8	784.1	811.0
82.5°	146.9	297.9	548.3	693.1	717.9
85°	84.8	244.1	482.1	616.5	633.1
87.5°	35.2	202.8	428.3	537.9	546.2
90°	4.1	171.7	380.7	459.3	455.2
92.5°	4.1	155.2	339.3	384.8	374.5
95°	4.1	144.8	302.1	322.7	312.4
97.5°	4.1	138.6	269.0	277.2	266.9
100°	2.1	134.5	246.2	246.2	235.9
102.5°	2.1	130.3	229.6	223.4	215.2
105°	2.1	126.2	217.2	211.0	200.7
107.5°	2.1	124.1	209.0	202.8	192.4
110°	2.1	120.0	202.8	196.5	188.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	117.9	198.6	194.5	184.1
115°	2.1	113.8	192.4	190.3	184.1
117.5°	2.1	109.7	188.3	188.3	182.1
120°	2.1	105.5	182.1	186.2	180.0
122.5°	2.1	101.4	175.9	182.1	175.9
125°	2.1	97.2	169.7	177.9	173.8
127.5°	4.1	91.0	161.4	173.8	169.7
130°	2.1	84.8	153.1	169.7	167.6
132.5°	4.1	78.6	144.8	163.4	163.4
135°	4.1	72.4	134.5	157.2	157.2
137.5°	4.1	64.1	124.1	149.0	151.0
140°	4.1	57.9	113.8	140.7	144.8
142.5°	4.1	51.7	103.4	132.4	138.6
145°	4.1	45.5	93.1	122.1	130.3
147.5°	4.1	41.4	82.8	109.7	122.1
150°	4.1	35.2	74.5	99.3	111.7
152.5°	4.1	31.0	66.2	89.0	103.4
155°	4.1	29.0	57.9	76.5	93.1
157.5°	4.1	24.8	49.7	66.2	82.8
160°	4.1	20.7	41.4	57.9	70.3
162.5°	4.1	18.6	35.2	47.6	62.1
165°	4.1	16.6	29.0	37.2	49.7
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)