

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-LD5-128SL-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-LD5-128SL-SLN-UNV-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

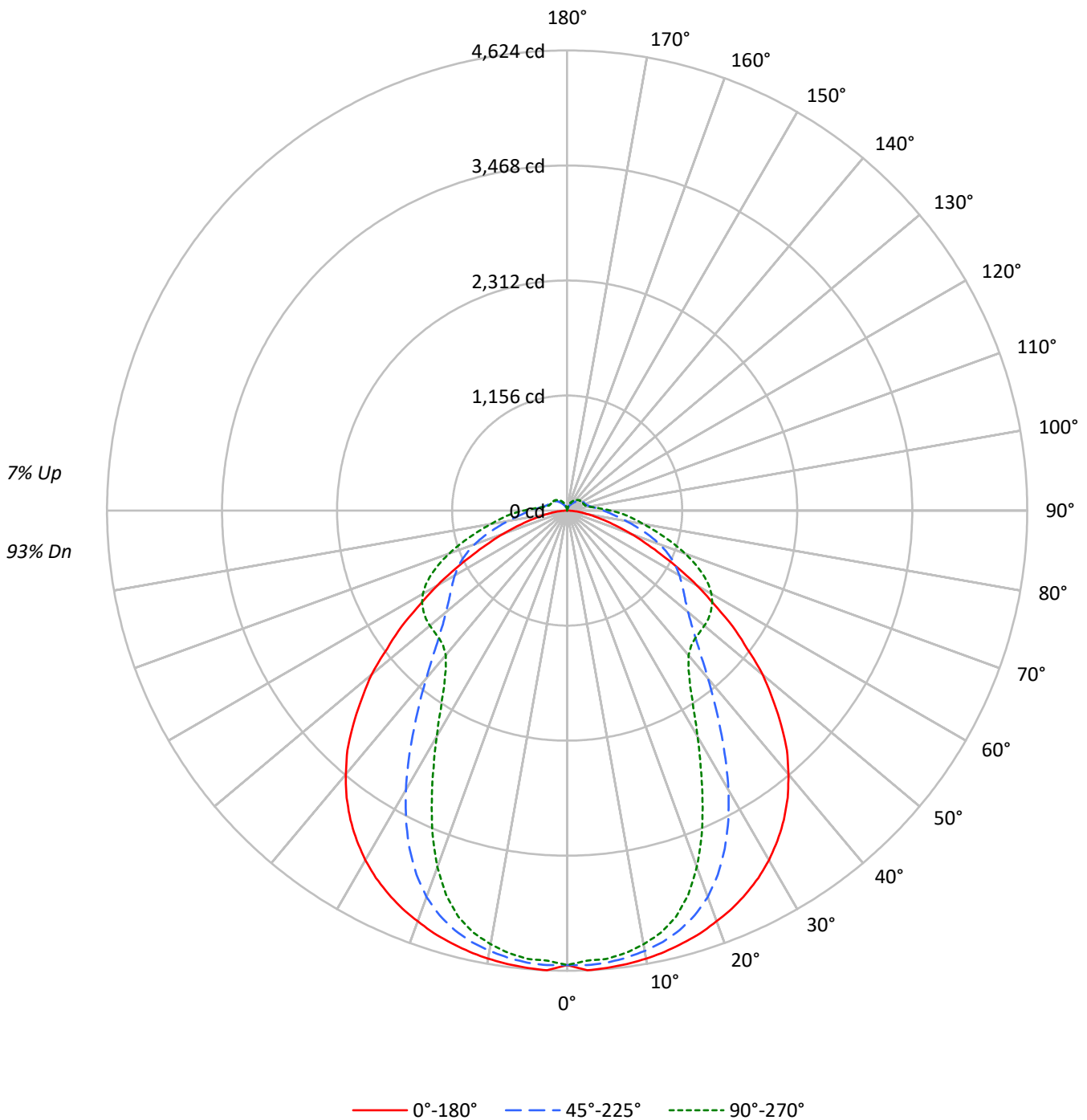
Lumens per Lamp: N/A  
Luminaire Lumens: 11483.0 lumens  
Efficiency: N/A  
Efficacy: 111.5 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 103  
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°	18449	18449	18449
5°	18687	18059	17759
10°	18707	17576	17029
15°	18739	17002	16057
20°	18776	16140	14421
25°	18813	14803	12212
30°	18755	13038	10044
35°	18522	11104	8418
40°	18018	9413	7609
45°	17104	8190	7552
50°	15846	7496	7817
55°	14002	7216	8090
60°	11866	7124	8202
65°	9600	6980	7946
70°	7777	6635	7328
75°	5942	6022	6503
80°	4495	5430	5785
85°	3202	5153	5321



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	432.0	3.8
10°-20°	1221.0	10.6
20°-30°	1706.9	14.9
30°-40°	1770.5	15.4
40°-50°	1635.6	14.2
50°-60°	1460.3	12.7
60°-70°	1183.4	10.3
70°-80°	787.1	6.9
80°-90°	450.8	3.9
90°-100°	249.4	2.2
100°-110°	168.9	1.5
110°-120°	140.6	1.2
120°-130°	114.3	1.0
130°-140°	82.5	0.7
140°-150°	49.7	0.4
150°-160°	23.9	0.2
160°-170°	6.2	0.1
170°-180°	0.0	0.0
0°-30°	3359.9	29.3
0°-40°	5130.3	44.7
0°-60°	8226.2	71.6
0°-90°	10647.6	92.7
90°-120°	558.9	4.9
90°-150°	805.3	7.0
90°-180°	835.0	7.3
0°-180°	11483.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4566	4566	4566	4566	4566	
5°	4614	4536	4560	4528	4522	439
15°	4499	4403	4366	4266	4225	1271
25°	4251	4062	3748	3356	3219	1959
35°	3796	3379	2687	2256	2155	2368
45°	3040	2409	1830	1764	1818	2337
55°	2032	1536	1429	1661	1764	1807
65°	1038	929	1163	1425	1500	1049
75°	403	504	784	960	1000	442
85°	81	234	462	591	607	94
90°	4	165	365	440	437	6
95°	4	139	290	310	300	3
105°	2	121	208	202	192	2
115°	2	109	184	183	177	2
125°	2	93	163	171	167	2
135°	4	70	129	151	151	3
145°	4	44	89	117	125	3
155°	4	28	56	73	89	2
165°	4	16	28	36	48	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4566.1	4566.1	4566.1	4566.1	4566.1
2.5°	4623.6	4548.2	4572.1	4552.2	4526.4
5°	4613.7	4536.3	4560.1	4528.4	4522.4
7.5°	4595.9	4518.5	4532.4	4494.7	4484.7
10°	4572.1	4490.7	4492.7	4439.1	4425.2
12.5°	4540.3	4451.0	4439.1	4365.7	4345.8
15°	4498.6	4403.4	4365.7	4266.5	4224.8
17.5°	4453.0	4341.9	4264.5	4111.7	4046.2
20°	4391.5	4266.5	4131.5	3899.3	3812.0
22.5°	4330.0	4175.2	3958.9	3649.3	3532.2
25°	4250.6	4062.1	3748.5	3355.6	3218.7
27.5°	4161.3	3929.1	3506.4	3054.0	2907.1
30°	4056.1	3768.4	3240.5	2758.3	2619.4
32.5°	3933.1	3587.8	2960.7	2492.4	2363.4
35°	3796.2	3379.4	2686.9	2256.3	2155.1
37.5°	3639.4	3151.2	2432.9	2065.8	2000.3
40°	3460.8	2903.2	2198.7	1918.9	1897.1
42.5°	3268.3	2661.1	1998.3	1823.7	1843.5
45°	3040.1	2409.1	1829.6	1764.1	1817.7
47.5°	2800.0	2163.0	1692.7	1730.4	1807.8
50°	2567.8	1934.8	1585.5	1708.6	1799.8
52.5°	2280.1	1730.4	1500.2	1688.7	1787.9
55°	2032.0	1535.9	1428.8	1660.9	1764.1
57.5°	1746.3	1361.3	1365.3	1625.2	1728.4
60°	1508.1	1202.5	1303.7	1575.6	1674.8
62.5°	1266.0	1059.7	1236.3	1510.1	1599.4
65°	1037.8	928.7	1162.9	1424.8	1500.2
67.5°	847.3	809.6	1079.5	1321.6	1385.1
70°	686.6	700.5	988.2	1206.5	1260.1
72.5°	527.8	599.3	889.0	1083.5	1129.1
75°	402.8	504.0	783.8	960.4	1000.1
77.5°	297.7	420.7	688.6	849.3	883.1
80°	210.3	347.3	599.3	752.1	777.9
82.5°	140.9	285.8	525.9	664.8	688.6
85°	81.4	234.2	462.4	591.4	607.2
87.5°	33.7	194.5	410.8	515.9	523.9
90°	4.0	164.7	365.1	440.5	436.6
92.5°	4.0	148.8	325.4	369.1	359.2
95°	4.0	138.9	289.7	309.6	299.6
97.5°	4.0	133.0	258.0	265.9	256.0
100°	2.0	129.0	236.1	236.1	226.2
102.5°	2.0	125.0	220.3	214.3	206.4
105°	2.0	121.0	208.4	202.4	192.5
107.5°	2.0	119.1	200.4	194.5	184.5
110°	2.0	115.1	194.5	188.5	180.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	113.1	190.5	186.5	176.6
115°	2.0	109.1	184.5	182.6	176.6
117.5°	2.0	105.2	180.6	180.6	174.6
120°	2.0	101.2	174.6	178.6	172.6
122.5°	2.0	97.2	168.7	174.6	168.7
125°	2.0	93.3	162.7	170.7	166.7
127.5°	4.0	87.3	154.8	166.7	162.7
130°	2.0	81.4	146.8	162.7	160.7
132.5°	4.0	75.4	138.9	156.8	156.8
135°	4.0	69.5	129.0	150.8	150.8
137.5°	4.0	61.5	119.1	142.9	144.9
140°	4.0	55.6	109.1	134.9	138.9
142.5°	4.0	49.6	99.2	127.0	133.0
145°	4.0	43.7	89.3	117.1	125.0
147.5°	4.0	39.7	79.4	105.2	117.1
150°	4.0	33.7	71.4	95.3	107.2
152.5°	4.0	29.8	63.5	85.3	99.2
155°	4.0	27.8	55.6	73.4	89.3
157.5°	4.0	23.8	47.6	63.5	79.4
160°	4.0	19.8	39.7	55.6	67.5
162.5°	4.0	17.9	33.7	45.6	59.5
165°	4.0	15.9	27.8	35.7	47.6
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)