

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-SLW-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 (P27403)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-128SL-SLW-UNV-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

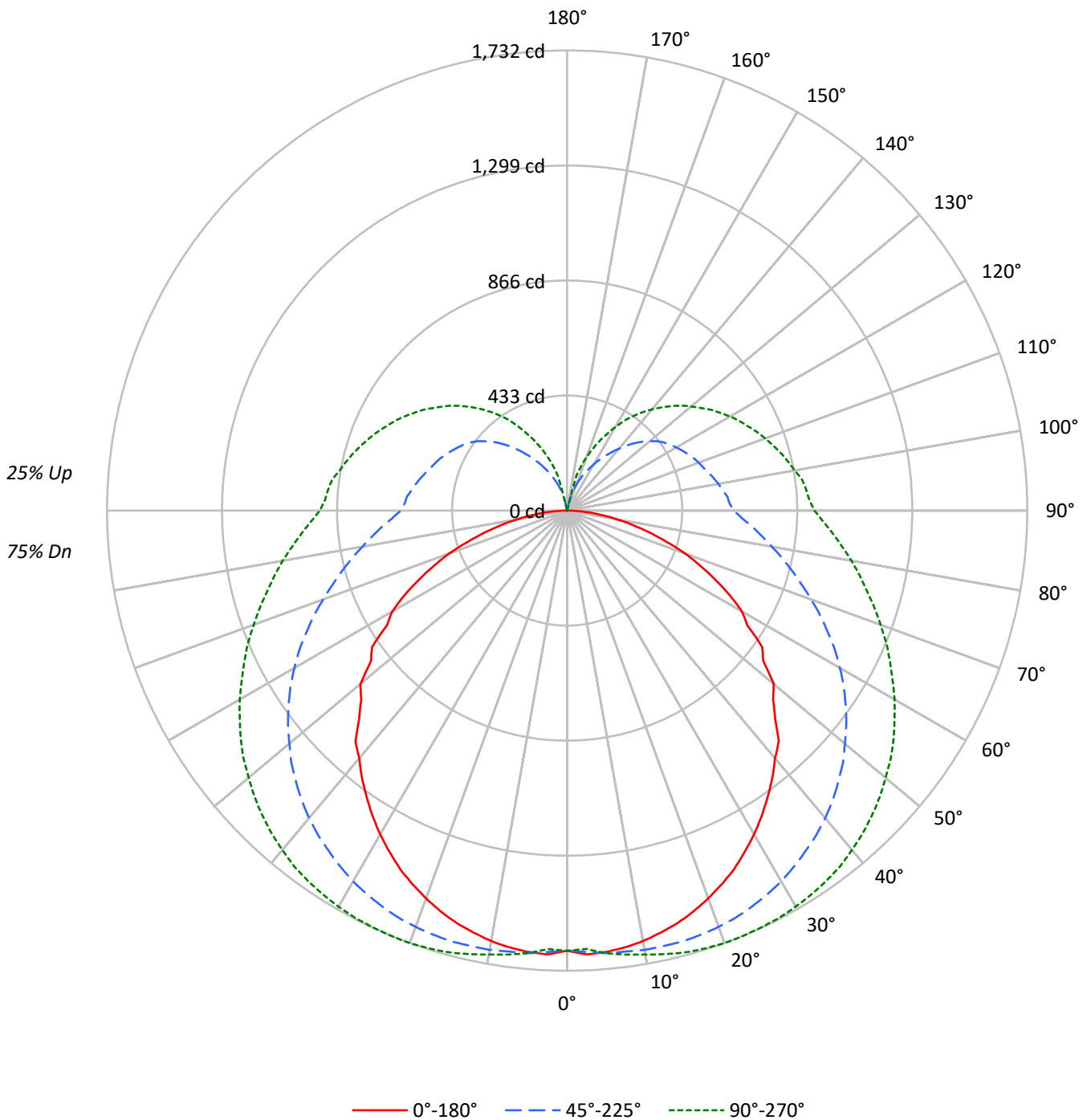
Lumens per Lamp: N/A  
Luminaire Lumens: 9538.0 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Semi-Direct

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	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6692	6692	6692
5°	6754	6621	6566
10°	6731	6567	6529
15°	6694	6538	6542
20°	6641	6514	6554
25°	6587	6497	6565
30°	6508	6484	6600
35°	6419	6465	6644
40°	6336	6467	6689
45°	6229	6461	6742
50°	6265	6453	6794
55°	6177	6463	6876
60°	5978	6478	6970
65°	5681	6497	7099
70°	5357	6561	7299
75°	4760	6733	7593
80°	4119	7087	8084
85°	3261	7793	8799



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.2	1.7
10°-20°	471.9	4.9
20°-30°	749.9	7.9
30°-40°	962.5	10.1
40°-50°	1086.9	11.4
50°-60°	1109.0	11.6
60°-70°	1027.4	10.8
70°-80°	869.8	9.1
80°-90°	694.3	7.3
90°-100°	589.6	6.2
100°-110°	525.3	5.5
110°-120°	447.4	4.7
120°-130°	355.4	3.7
130°-140°	252.1	2.6
140°-150°	150.5	1.6
150°-160°	70.2	0.7
160°-170°	16.7	0.2
170°-180°	0.0	0.0
0°-30°	1381.0	14.5
0°-40°	2343.5	24.6
0°-60°	4539.3	47.6
0°-90°	7130.9	74.8
90°-120°	1562.3	16.4
90°-150°	2320.3	24.3
90°-180°	2407.0	25.2
0°-180°	9538.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1656	1656	1656	1656	1656	
5°	1668	1654	1672	1672	1672	158
15°	1607	1620	1679	1710	1721	453
25°	1488	1538	1645	1703	1730	685
35°	1316	1412	1564	1661	1701	824
45°	1107	1257	1443	1569	1623	860
55°	896	1047	1280	1437	1499	787
65°	614	818	1082	1269	1340	609
75°	323	572	876	1092	1168	344
85°	83	368	699	926	1004	90
90°	4	300	625	852	930	7
95°	0	282	605	827	903	0
105°	0	260	551	760	834	0
115°	0	242	502	684	751	0
125°	0	208	446	603	661	0
135°	0	155	359	509	556	0
145°	0	101	251	381	435	1
155°	2	63	155	233	289	1
165°	2	34	70	96	137	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1656.3	1656.3	1656.3	1656.3	1656.3
2.5°	1672.0	1654.1	1663.0	1660.8	1651.8
5°	1667.5	1654.1	1672.0	1672.0	1672.0
7.5°	1658.5	1649.6	1674.2	1683.2	1685.4
10°	1645.1	1645.1	1678.7	1692.2	1696.6
12.5°	1627.2	1633.9	1678.7	1698.9	1710.1
15°	1607.0	1620.4	1678.7	1710.1	1721.3
17.5°	1582.3	1604.8	1674.2	1712.3	1728.0
20°	1553.2	1586.8	1667.5	1712.3	1732.5
22.5°	1521.8	1564.4	1658.5	1707.9	1732.5
25°	1488.2	1537.5	1645.1	1703.4	1730.3
27.5°	1447.9	1510.6	1629.4	1696.6	1728.0
30°	1407.5	1479.2	1611.5	1687.7	1721.3
32.5°	1362.7	1445.6	1589.1	1674.2	1712.3
35°	1315.6	1412.0	1564.4	1660.8	1701.1
37.5°	1268.6	1371.7	1539.8	1642.9	1687.7
40°	1217.0	1331.3	1510.6	1620.4	1667.5
42.5°	1178.9	1288.7	1479.2	1598.0	1647.3
45°	1107.2	1257.4	1443.4	1568.9	1622.7
47.5°	1051.2	1196.8	1407.5	1539.8	1595.8
50°	1015.3	1147.5	1364.9	1506.1	1564.4
52.5°	930.1	1113.9	1324.6	1472.5	1535.3
55°	896.5	1046.7	1279.8	1436.7	1499.4
57.5°	804.6	999.6	1234.9	1396.3	1461.3
60°	759.8	934.6	1185.6	1356.0	1423.2
62.5°	690.3	878.6	1136.3	1311.1	1380.6
65°	614.1	818.1	1082.5	1268.6	1340.3
67.5°	542.4	757.6	1031.0	1223.7	1299.9
70°	472.9	694.8	977.2	1178.9	1255.1
72.5°	392.2	632.0	925.6	1136.3	1212.5
75°	322.7	571.5	876.3	1091.5	1167.7
77.5°	255.5	513.3	829.3	1051.2	1127.4
80°	192.7	457.2	782.2	1008.6	1087.0
82.5°	134.5	410.2	739.6	968.2	1044.4
85°	82.9	367.6	699.3	925.6	1004.1
87.5°	38.1	329.5	658.9	885.3	966.0
90°	4.5	300.3	625.3	851.7	930.1
92.5°	2.2	291.4	611.9	836.0	912.2
95°	0.0	282.4	605.1	827.0	903.2
97.5°	0.0	273.4	589.5	813.6	892.0
100°	0.0	269.0	578.2	793.4	869.6
102.5°	0.0	262.2	564.8	775.5	851.7
105°	0.0	260.0	551.4	759.8	833.8
107.5°	0.0	255.5	537.9	739.6	813.6
110°	0.0	251.0	526.7	721.7	793.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	246.5	515.5	703.8	773.2
115°	0.0	242.1	502.0	683.6	750.8
117.5°	0.0	235.3	488.6	663.4	730.7
120°	0.0	226.4	475.2	645.5	708.2
122.5°	0.0	217.4	461.7	623.1	683.6
125°	0.0	208.4	446.0	602.9	661.2
127.5°	0.0	195.0	428.1	580.5	634.3
130°	0.0	181.5	405.7	558.1	609.6
132.5°	2.2	168.1	383.3	533.4	585.0
135°	0.0	154.6	358.6	508.8	555.8
137.5°	0.0	143.4	331.7	481.9	526.7
140°	0.0	130.0	304.8	450.5	497.6
142.5°	0.0	114.3	277.9	416.9	466.2
145°	0.0	100.9	251.0	381.0	434.8
147.5°	2.2	89.7	226.4	342.9	401.2
150°	2.2	80.7	201.7	304.8	363.1
152.5°	2.2	71.7	177.1	269.0	325.0
155°	2.2	62.8	154.6	233.1	289.1
157.5°	2.2	53.8	130.0	197.2	251.0
160°	2.2	47.1	107.6	165.9	215.2
162.5°	2.2	40.3	87.4	130.0	177.1
165°	2.2	33.6	69.5	96.4	136.7
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)