

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-LD5-130HL-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-LD5-130HL-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: 9534.0 lumens  
Efficiency: N/A  
Efficacy: 110.9 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

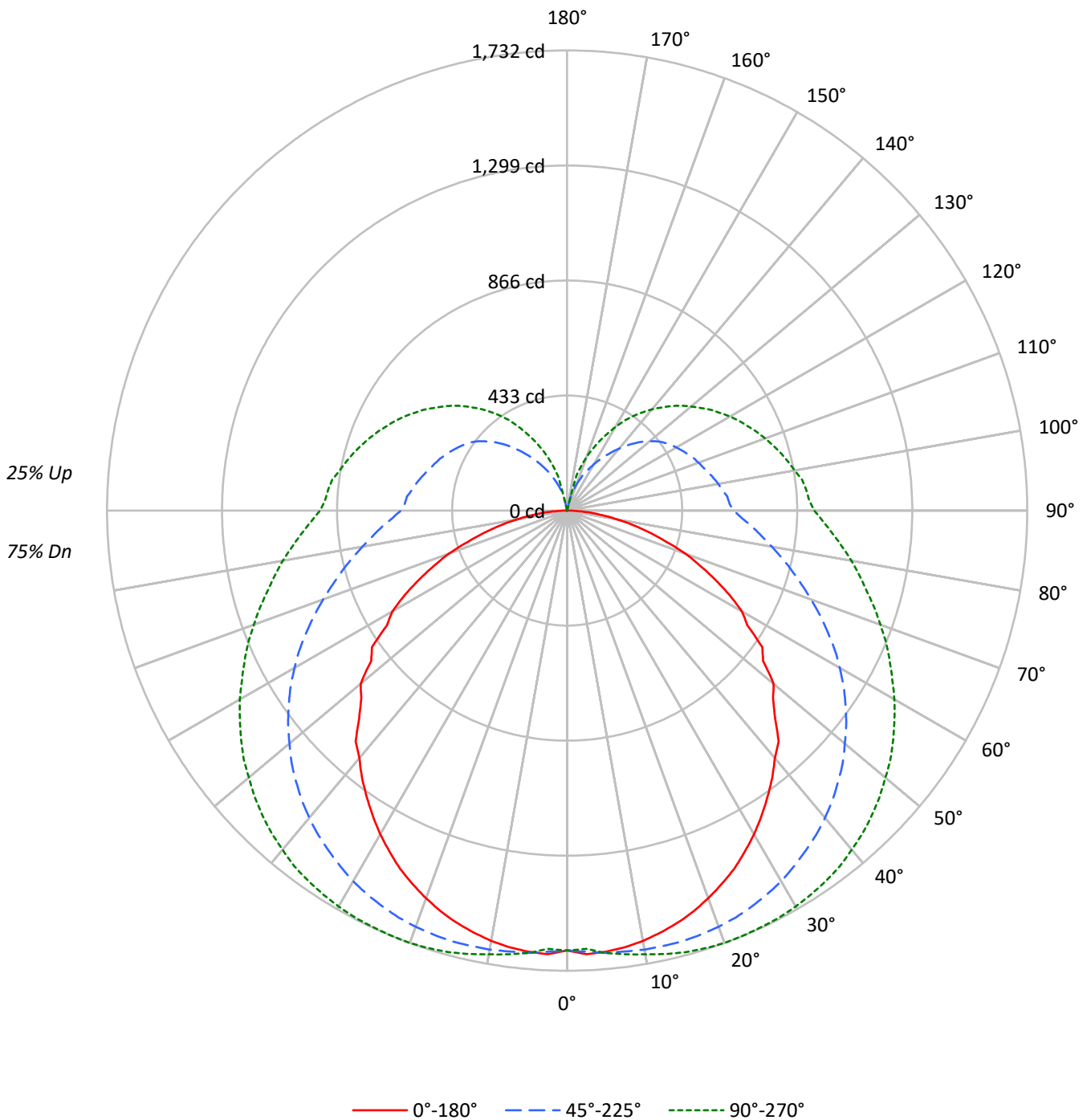
Input Watts (W): 86  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	6689	6689	6689
5°	6751	6619	6563
10°	6728	6565	6526
15°	6691	6535	6540
20°	6638	6512	6551
25°	6584	6494	6562
30°	6505	6481	6598
35°	6417	6462	6642
40°	6333	6465	6686
45°	6227	6459	6739
50°	6263	6451	6792
55°	6175	6460	6873
60°	5976	6476	6967
65°	5679	6495	7096
70°	5354	6558	7296
75°	4759	6731	7589
80°	4119	7085	8081
85°	3261	7789	8795



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.1	1.7
10°-20°	471.7	4.9
20°-30°	749.6	7.9
30°-40°	962.1	10.1
40°-50°	1086.4	11.4
50°-60°	1108.5	11.6
60°-70°	1027.0	10.8
70°-80°	869.5	9.1
80°-90°	694.1	7.3
90°-100°	589.3	6.2
100°-110°	525.1	5.5
110°-120°	447.2	4.7
120°-130°	355.2	3.7
130°-140°	252.0	2.6
140°-150°	150.5	1.6
150°-160°	70.1	0.7
160°-170°	16.6	0.2
170°-180°	0.0	0.0
0°-30°	1380.4	14.5
0°-40°	2342.5	24.6
0°-60°	4537.4	47.6
0°-90°	7127.9	74.8
90°-120°	1561.6	16.4
90°-150°	2319.3	24.3
90°-180°	2406.0	25.2
0°-180°	9534.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1656	1656	1656	1656	1656	
5°	1667	1653	1671	1671	1671	158
15°	1606	1620	1678	1709	1721	453
25°	1488	1537	1644	1703	1730	685
35°	1315	1411	1564	1660	1700	823
45°	1107	1257	1443	1568	1622	860
55°	896	1046	1279	1436	1499	787
65°	614	818	1082	1268	1340	609
75°	323	571	876	1091	1167	343
85°	83	367	699	925	1004	90
90°	4	300	625	851	930	7
95°	0	282	605	827	903	0
105°	0	260	551	760	833	0
115°	0	242	502	683	750	0
125°	0	208	446	603	661	0
135°	0	155	358	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



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1655.6	1655.6	1655.6	1655.6	1655.6
2.5°	1671.3	1653.4	1662.3	1660.1	1651.1
5°	1666.8	1653.4	1671.3	1671.3	1671.3
7.5°	1657.8	1648.9	1673.5	1682.5	1684.7
10°	1644.4	1644.4	1678.0	1691.5	1695.9
12.5°	1626.5	1633.2	1678.0	1698.2	1709.4
15°	1606.3	1619.8	1678.0	1709.4	1720.6
17.5°	1581.7	1604.1	1673.5	1711.6	1727.3
20°	1552.6	1586.2	1666.8	1711.6	1731.8
22.5°	1521.2	1563.8	1657.8	1707.1	1731.8
25°	1487.6	1536.9	1644.4	1702.7	1729.5
27.5°	1447.3	1510.0	1628.7	1695.9	1727.3
30°	1406.9	1478.6	1610.8	1687.0	1720.6
32.5°	1362.1	1445.0	1588.4	1673.5	1711.6
35°	1315.1	1411.4	1563.8	1660.1	1700.4
37.5°	1268.0	1371.1	1539.1	1642.2	1687.0
40°	1216.5	1330.8	1510.0	1619.8	1666.8
42.5°	1178.4	1288.2	1478.6	1597.4	1646.6
45°	1106.7	1256.8	1442.8	1568.2	1622.0
47.5°	1050.7	1196.3	1406.9	1539.1	1595.1
50°	1014.9	1147.1	1364.4	1505.5	1563.8
52.5°	929.7	1113.4	1324.0	1471.9	1534.6
55°	896.1	1046.2	1279.2	1436.1	1498.8
57.5°	804.3	999.2	1234.4	1395.7	1460.7
60°	759.5	934.2	1185.1	1355.4	1422.6
62.5°	690.0	878.2	1135.8	1310.6	1380.0
65°	613.9	817.7	1082.1	1268.0	1339.7
67.5°	542.2	757.2	1030.6	1223.2	1299.4
70°	472.7	694.5	976.8	1178.4	1254.6
72.5°	392.1	631.8	925.3	1135.8	1212.0
75°	322.6	571.3	876.0	1091.0	1167.2
77.5°	255.4	513.0	828.9	1050.7	1126.9
80°	192.7	457.0	781.9	1008.2	1086.6
82.5°	134.4	410.0	739.3	967.8	1044.0
85°	82.9	367.4	699.0	925.3	1003.7
87.5°	38.1	329.3	658.7	884.9	965.6
90°	4.5	300.2	625.1	851.3	929.7
92.5°	2.2	291.2	611.6	835.6	911.8
95°	0.0	282.3	604.9	826.7	902.9
97.5°	0.0	273.3	589.2	813.2	891.7
100°	0.0	268.8	578.0	793.1	869.2
102.5°	0.0	262.1	564.6	775.2	851.3
105°	0.0	259.9	551.1	759.5	833.4
107.5°	0.0	255.4	537.7	739.3	813.2
110°	0.0	250.9	526.5	721.4	793.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	246.4	515.3	703.5	772.9
115°	0.0	242.0	501.8	683.3	750.5
117.5°	0.0	235.2	488.4	663.1	730.3
120°	0.0	226.3	475.0	645.2	707.9
122.5°	0.0	217.3	461.5	622.8	683.3
125°	0.0	208.4	445.8	602.6	660.9
127.5°	0.0	194.9	427.9	580.2	634.0
130°	0.0	181.5	405.5	557.8	609.4
132.5°	2.2	168.0	383.1	533.2	584.7
135°	0.0	154.6	358.5	508.6	555.6
137.5°	0.0	143.4	331.6	481.7	526.5
140°	0.0	129.9	304.7	450.3	497.4
142.5°	0.0	114.3	277.8	416.7	466.0
145°	0.0	100.8	250.9	380.9	434.6
147.5°	2.2	89.6	226.3	342.8	401.0
150°	2.2	80.7	201.6	304.7	362.9
152.5°	2.2	71.7	177.0	268.8	324.8
155°	2.2	62.7	154.6	233.0	289.0
157.5°	2.2	53.8	129.9	197.1	250.9
160°	2.2	47.0	107.5	165.8	215.1
162.5°	2.2	40.3	87.4	129.9	177.0
165°	2.2	33.6	69.5	96.3	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)