

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-LD5-120SL-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-LD5-120SL-SLW-UNV-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

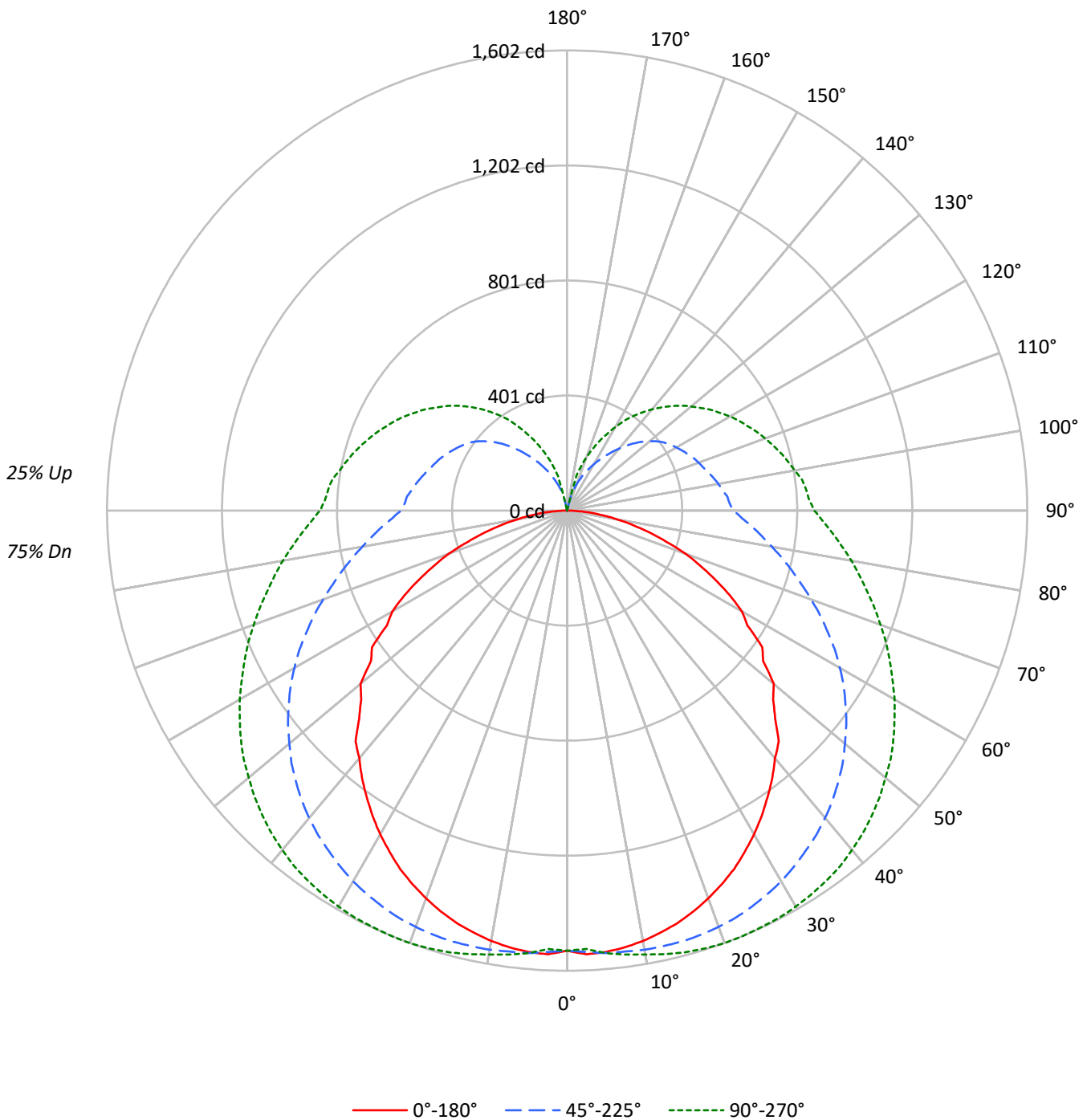
Lumens per Lamp: N/A  
Luminaire Lumens: 8821.0 lumens  
Efficiency: N/A  
Efficacy: 95.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 92  
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°	6189	6189	6189
5°	6247	6124	6072
10°	6225	6074	6038
15°	6191	6046	6050
20°	6141	6025	6061
25°	6091	6008	6071
30°	6019	5996	6104
35°	5936	5979	6145
40°	5860	5981	6186
45°	5761	5976	6235
50°	5795	5968	6284
55°	5713	5978	6359
60°	5529	5992	6446
65°	5253	6009	6565
70°	4955	6067	6751
75°	4403	6227	7022
80°	3811	6555	7476
85°	3017	7207	8137



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.2	1.7
10°-20°	436.4	4.9
20°-30°	693.5	7.9
30°-40°	890.1	10.1
40°-50°	1005.2	11.4
50°-60°	1025.6	11.6
60°-70°	950.2	10.8
70°-80°	804.4	9.1
80°-90°	642.2	7.3
90°-100°	545.3	6.2
100°-110°	485.8	5.5
110°-120°	413.8	4.7
120°-130°	328.7	3.7
130°-140°	233.1	2.6
140°-150°	139.2	1.6
150°-160°	64.9	0.7
160°-170°	15.4	0.2
170°-180°	0.0	0.0
0°-30°	1277.2	14.5
0°-40°	2167.3	24.6
0°-60°	4198.1	47.6
0°-90°	6594.9	74.8
90°-120°	1444.9	16.4
90°-150°	2145.8	24.3
90°-180°	2226.0	25.2
0°-180°	8821.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1532	1532	1532	1532	1532	
5°	1542	1530	1546	1546	1546	146
15°	1486	1499	1552	1582	1592	419
25°	1376	1422	1521	1575	1600	634
35°	1217	1306	1447	1536	1573	762
45°	1024	1163	1335	1451	1501	795
55°	829	968	1184	1329	1387	728
65°	568	757	1001	1173	1240	564
75°	298	529	810	1009	1080	318
85°	77	340	647	856	929	84
90°	4	278	578	788	860	6
95°	0	261	560	765	835	0
105°	0	240	510	703	771	0
115°	0	224	464	632	694	0
125°	0	193	412	558	612	0
135°	0	143	332	470	514	0
145°	0	93	232	352	402	1
155°	2	58	143	216	267	1
165°	2	31	64	89	126	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°	1531.8	1531.8	1531.8	1531.8	1531.8
2.5°	1546.3	1529.7	1538.0	1535.9	1527.6
5°	1542.2	1529.7	1546.3	1546.3	1546.3
7.5°	1533.9	1525.6	1548.4	1556.7	1558.7
10°	1521.4	1521.4	1552.5	1565.0	1569.1
12.5°	1504.8	1511.1	1552.5	1571.2	1581.5
15°	1486.2	1498.6	1552.5	1581.5	1591.9
17.5°	1463.4	1484.1	1548.4	1583.6	1598.1
20°	1436.4	1467.5	1542.2	1583.6	1602.3
22.5°	1407.4	1446.8	1533.9	1579.5	1602.3
25°	1376.3	1421.9	1521.4	1575.3	1600.2
27.5°	1339.0	1397.1	1506.9	1569.1	1598.1
30°	1301.7	1368.0	1490.3	1560.8	1591.9
32.5°	1260.3	1337.0	1469.6	1548.4	1583.6
35°	1216.7	1305.9	1446.8	1535.9	1573.2
37.5°	1173.2	1268.5	1424.0	1519.4	1560.8
40°	1125.5	1231.2	1397.1	1498.6	1542.2
42.5°	1090.3	1191.9	1368.0	1477.9	1523.5
45°	1024.0	1162.8	1334.9	1451.0	1500.7
47.5°	972.1	1106.9	1301.7	1424.0	1475.8
50°	939.0	1061.3	1262.3	1392.9	1446.8
52.5°	860.2	1030.2	1225.0	1361.8	1419.9
55°	829.1	968.0	1183.6	1328.7	1386.7
57.5°	744.1	924.5	1142.1	1291.3	1351.5
60°	702.7	864.4	1096.5	1254.0	1316.2
62.5°	638.4	812.5	1050.9	1212.6	1276.8
65°	567.9	756.6	1001.2	1173.2	1239.5
67.5°	501.6	700.6	953.5	1131.7	1202.2
70°	437.4	642.6	903.7	1090.3	1160.8
72.5°	362.7	584.5	856.1	1050.9	1121.4
75°	298.5	528.6	810.5	1009.4	1079.9
77.5°	236.3	474.7	766.9	972.1	1042.6
80°	178.3	422.8	723.4	932.8	1005.3
82.5°	124.4	379.3	684.0	895.4	965.9
85°	76.7	339.9	646.7	856.1	928.6
87.5°	35.2	304.7	609.4	818.8	893.4
90°	4.1	277.8	578.3	787.7	860.2
92.5°	2.1	269.5	565.9	773.2	843.6
95°	0.0	261.2	559.7	764.9	835.3
97.5°	0.0	252.9	545.1	752.4	825.0
100°	0.0	248.7	534.8	733.8	804.2
102.5°	0.0	242.5	522.3	717.2	787.7
105°	0.0	240.4	509.9	702.7	771.1
107.5°	0.0	236.3	497.5	684.0	752.4
110°	0.0	232.2	487.1	667.4	733.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	228.0	476.7	650.9	715.1
115°	0.0	223.9	464.3	632.2	694.4
117.5°	0.0	217.6	451.9	613.5	675.7
120°	0.0	209.4	439.4	597.0	655.0
122.5°	0.0	201.1	427.0	576.2	632.2
125°	0.0	192.8	412.5	557.6	611.5
127.5°	0.0	180.3	395.9	536.9	586.6
130°	0.0	167.9	375.2	516.1	563.8
132.5°	2.1	155.5	354.4	493.3	541.0
135°	0.0	143.0	331.6	470.5	514.1
137.5°	0.0	132.7	306.8	445.7	487.1
140°	0.0	120.2	281.9	416.6	460.2
142.5°	0.0	105.7	257.0	385.5	431.1
145°	0.0	93.3	232.2	352.4	402.1
147.5°	2.1	82.9	209.4	317.1	371.0
150°	2.1	74.6	186.6	281.9	335.8
152.5°	2.1	66.3	163.8	248.7	300.6
155°	2.1	58.0	143.0	215.6	267.4
157.5°	2.1	49.7	120.2	182.4	232.2
160°	2.1	43.5	99.5	153.4	199.0
162.5°	2.1	37.3	80.8	120.2	163.8
165°	2.1	31.1	64.3	89.1	126.4
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)