

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-SLW-UNV-L935-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-LD5-136SL-SLW-UNV-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

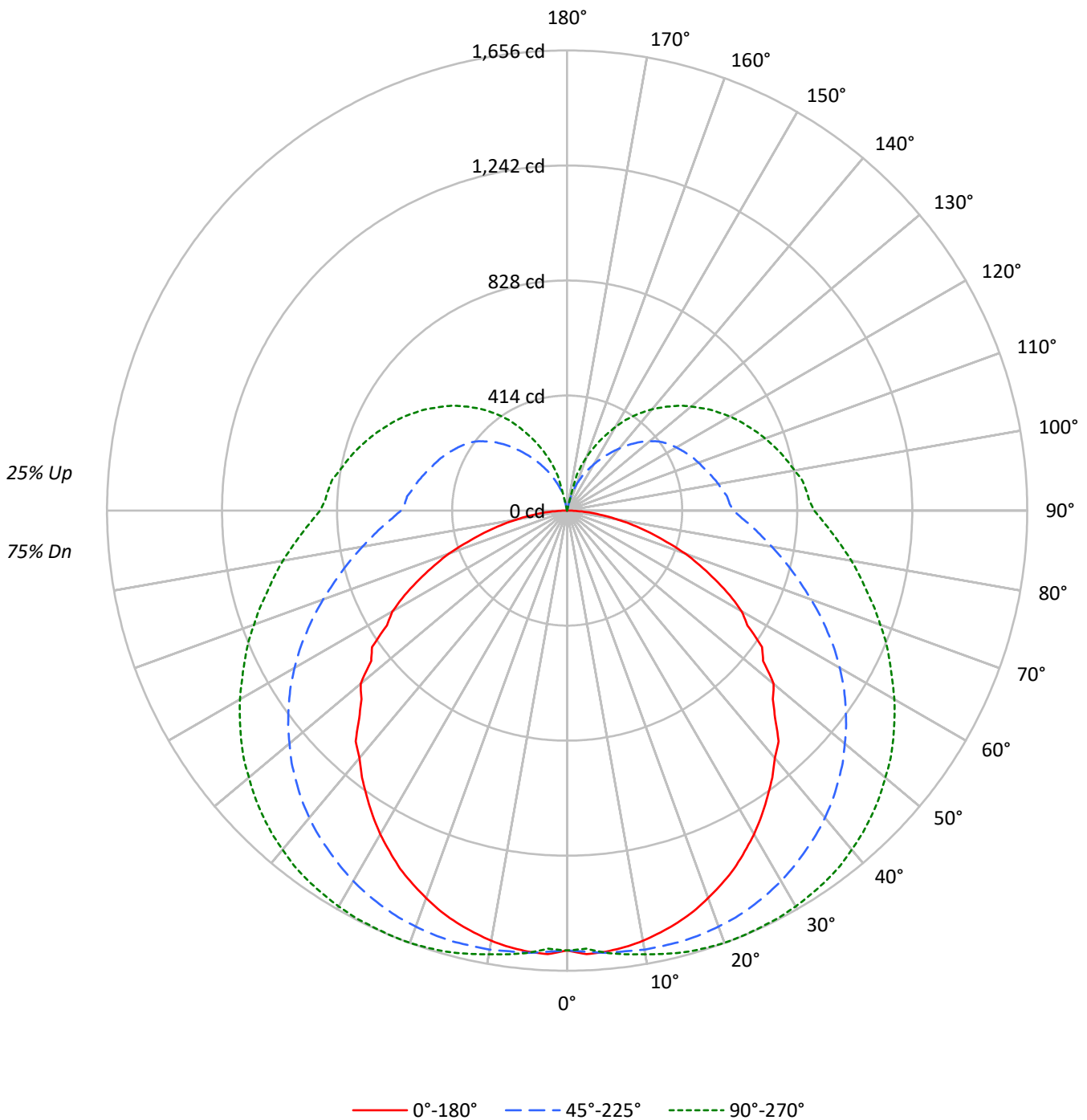
Lumens per Lamp: N/A  
Luminaire Lumens: 9114.0 lumens  
Efficiency: N/A  
Efficacy: 82.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 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	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°	6395	6395	6395
5°	6454	6327	6274
10°	6432	6275	6239
15°	6397	6247	6251
20°	6346	6225	6263
25°	6294	6208	6273
30°	6219	6195	6307
35°	6134	6178	6349
40°	6054	6180	6391
45°	5953	6174	6442
50°	5987	6167	6492
55°	5903	6176	6571
60°	5712	6191	6660
65°	5428	6208	6784
70°	5119	6269	6975
75°	4549	6434	7255
80°	3937	6772	7724
85°	3115	7446	8408



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.1	1.7
10°-20°	450.9	4.9
20°-30°	716.6	7.9
30°-40°	919.7	10.1
40°-50°	1038.6	11.4
50°-60°	1059.7	11.6
60°-70°	981.7	10.8
70°-80°	831.2	9.1
80°-90°	663.5	7.3
90°-100°	563.4	6.2
100°-110°	501.9	5.5
110°-120°	427.5	4.7
120°-130°	339.6	3.7
130°-140°	240.9	2.6
140°-150°	143.8	1.6
150°-160°	67.0	0.7
160°-170°	15.9	0.2
170°-180°	0.0	0.0
0°-30°	1319.6	14.5
0°-40°	2239.3	24.6
0°-60°	4337.6	47.6
0°-90°	6813.9	74.8
90°-120°	1492.8	16.4
90°-150°	2217.1	24.3
90°-180°	2300.0	25.2
0°-180°	9114.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1583	1583	1583	1583	1583	
5°	1593	1580	1598	1598	1598	151
15°	1536	1548	1604	1634	1645	433
25°	1422	1469	1572	1628	1653	655
35°	1257	1349	1495	1587	1626	787
45°	1058	1202	1379	1499	1550	822
55°	857	1000	1223	1373	1433	752
65°	587	782	1034	1212	1281	582
75°	308	546	837	1043	1116	328
85°	79	351	668	884	960	86
90°	4	287	598	814	889	6
95°	0	270	578	790	863	0
105°	0	248	527	726	797	0
115°	0	231	480	653	717	0
125°	0	199	426	576	632	0
135°	0	148	343	486	531	0
145°	0	96	240	364	416	1
155°	2	60	148	223	276	1
165°	2	32	66	92	131	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°	1582.7	1582.7	1582.7	1582.7	1582.7
2.5°	1597.7	1580.5	1589.1	1587.0	1578.4
5°	1593.4	1580.5	1597.7	1597.7	1597.7
7.5°	1584.8	1576.2	1599.8	1608.4	1610.5
10°	1572.0	1572.0	1604.1	1616.9	1621.2
12.5°	1554.8	1561.3	1604.1	1623.4	1634.1
15°	1535.6	1548.4	1604.1	1634.1	1644.8
17.5°	1512.0	1533.4	1599.8	1636.2	1651.2
20°	1484.2	1516.3	1593.4	1636.2	1655.5
22.5°	1454.2	1494.9	1584.8	1631.9	1655.5
25°	1422.0	1469.2	1572.0	1627.6	1653.3
27.5°	1383.5	1443.5	1557.0	1621.2	1651.2
30°	1345.0	1413.5	1539.8	1612.7	1644.8
32.5°	1302.1	1381.4	1518.4	1599.8	1636.2
35°	1257.1	1349.2	1494.9	1587.0	1625.5
37.5°	1212.2	1310.7	1471.3	1569.8	1612.7
40°	1162.9	1272.1	1443.5	1548.4	1593.4
42.5°	1126.5	1231.4	1413.5	1527.0	1574.1
45°	1058.0	1201.5	1379.2	1499.1	1550.5
47.5°	1004.4	1143.6	1345.0	1471.3	1524.8
50°	970.2	1096.5	1304.3	1439.2	1494.9
52.5°	888.8	1064.4	1265.7	1407.1	1467.0
55°	856.7	1000.1	1222.9	1372.8	1432.8
57.5°	768.8	955.2	1180.0	1334.2	1396.4
60°	726.0	893.1	1132.9	1295.7	1359.9
62.5°	659.6	839.5	1085.8	1252.9	1319.3
65°	586.8	781.7	1034.4	1212.2	1280.7
67.5°	518.3	723.9	985.2	1169.3	1242.2
70°	451.9	663.9	933.8	1126.5	1199.3
72.5°	374.8	603.9	884.5	1085.8	1158.6
75°	308.4	546.1	837.4	1043.0	1115.8
77.5°	244.1	490.4	792.4	1004.4	1077.2
80°	184.2	436.9	747.4	963.7	1038.7
82.5°	128.5	391.9	706.7	925.2	998.0
85°	79.2	351.2	668.2	884.5	959.5
87.5°	36.4	314.8	629.6	845.9	923.0
90°	4.3	287.0	597.5	813.8	888.8
92.5°	2.1	278.4	584.7	798.8	871.6
95°	0.0	269.8	578.2	790.3	863.1
97.5°	0.0	261.3	563.3	777.4	852.4
100°	0.0	257.0	552.5	758.1	831.0
102.5°	0.0	250.6	539.7	741.0	813.8
105°	0.0	248.4	526.8	726.0	796.7
107.5°	0.0	244.1	514.0	706.7	777.4
110°	0.0	239.9	503.3	689.6	758.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	235.6	492.6	672.5	738.9
115°	0.0	231.3	479.7	653.2	717.4
117.5°	0.0	224.9	466.9	633.9	698.2
120°	0.0	216.3	454.0	616.8	676.8
122.5°	0.0	207.7	441.2	595.4	653.2
125°	0.0	199.2	426.2	576.1	631.8
127.5°	0.0	186.3	409.1	554.7	606.1
130°	0.0	173.5	387.6	533.3	582.5
132.5°	2.1	160.6	366.2	509.7	559.0
135°	0.0	147.8	342.7	486.2	531.1
137.5°	0.0	137.1	317.0	460.5	503.3
140°	0.0	124.2	291.3	430.5	475.4
142.5°	0.0	109.2	265.6	398.3	445.5
145°	0.0	96.4	239.9	364.1	415.5
147.5°	2.1	85.7	216.3	327.7	383.4
150°	2.1	77.1	192.7	291.3	346.9
152.5°	2.1	68.5	169.2	257.0	310.5
155°	2.1	60.0	147.8	222.7	276.3
157.5°	2.1	51.4	124.2	188.5	239.9
160°	2.1	45.0	102.8	158.5	205.6
162.5°	2.1	38.5	83.5	124.2	169.2
165°	2.1	32.1	66.4	92.1	130.6
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)