

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-LD5-90SL-SLC-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 (P27404)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-90SL-SLC-UNV-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

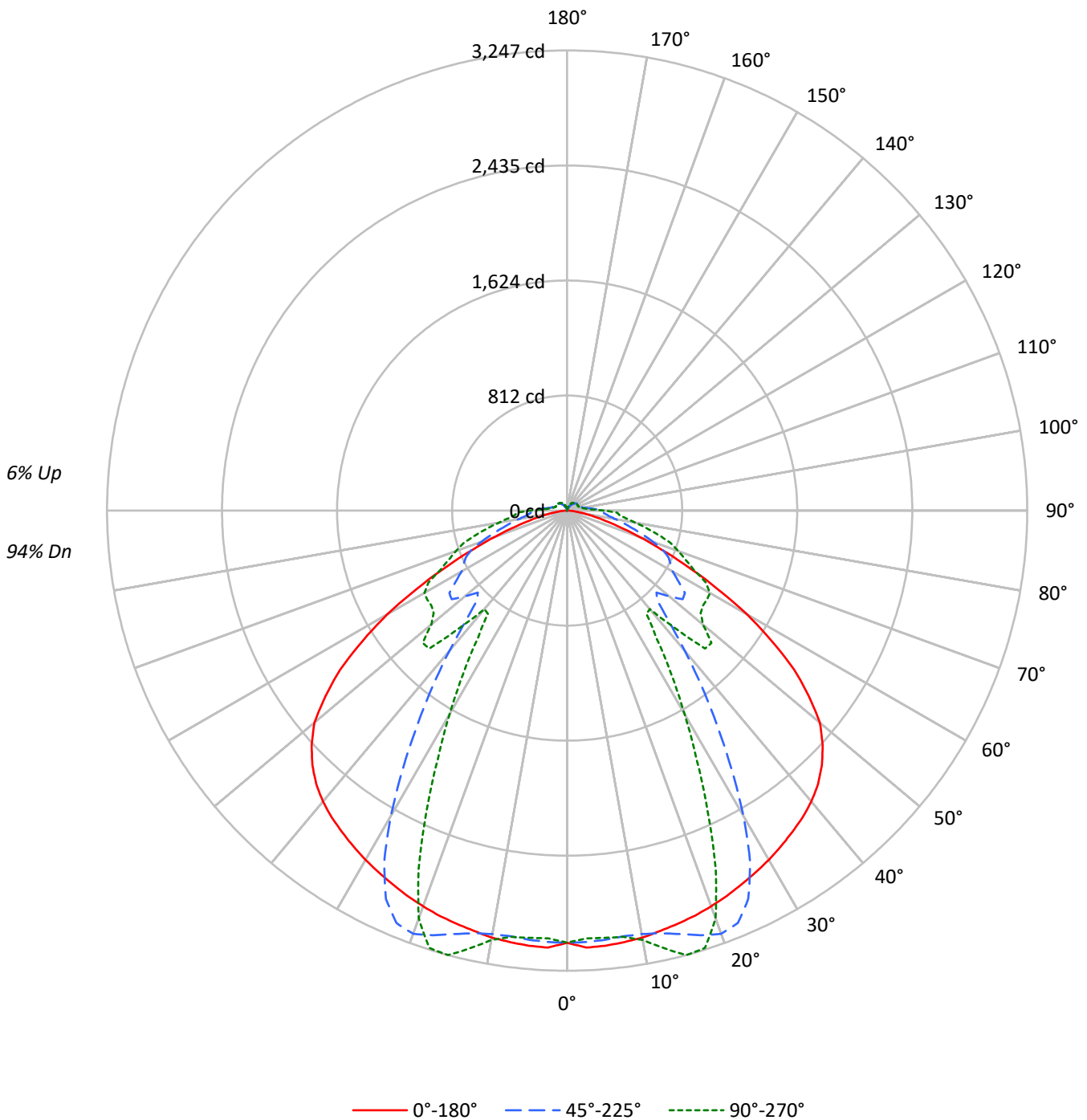
Lumens per Lamp: N/A  
Luminaire Lumens: 7831.0 lumens  
Efficiency: N/A  
Efficacy: 113.5 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 69  
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94				94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78				78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66				66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56				56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49				49
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43				43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38				38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34				34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30				30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28				28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25				25

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

	0°	45°	90°
0°	12317	12317	12317
5°	12485	12040	11881
10°	12517	11868	11840
15°	12570	12046	12341
20°	12705	12416	11583
25°	12884	11943	8919
30°	13160	10012	6344
35°	13511	7590	4296
40°	13953	5523	3638
45°	14305	4011	5719
50°	14365	4447	5427
55°	13474	5125	5360
60°	11531	4697	5697
65°	8726	4746	5211
70°	6176	4331	4850
75°	4101	3640	4353
80°	2682	3131	3623
85°	1538	2993	3252



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	290.0	3.7
10°-20°	875.9	11.2
20°-30°	1272.3	16.2
30°-40°	1215.7	15.5
40°-50°	1112.0	14.2
50°-60°	1026.8	13.1
60°-70°	815.6	10.4
70°-80°	503.4	6.4
80°-90°	274.1	3.5
90°-100°	138.5	1.8
100°-110°	87.1	1.1
110°-120°	73.7	0.9
120°-130°	60.2	0.8
130°-140°	43.2	0.6
140°-150°	26.6	0.3
150°-160°	12.6	0.2
160°-170°	3.3	0.0
170°-180°	0.0	0.0
0°-30°	2438.2	31.1
0°-40°	3653.9	46.7
0°-60°	5792.6	74.0
0°-90°	7385.6	94.3
90°-120°	299.3	3.8
90°-150°	429.4	5.5
90°-180°	445.0	5.7
0°-180°	7831.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3048	3048	3048	3048	3048	
5°	3082	3035	3040	3024	3026	293
15°	3018	2977	3093	3208	3247	854
25°	2911	2968	3024	2560	2351	1345
35°	2769	2725	1837	1264	1100	1736
45°	2542	1773	896	1143	1376	1954
55°	1955	910	1015	1092	1169	1722
65°	943	590	791	961	984	954
75°	278	314	474	628	669	315
85°	39	134	269	366	371	50
90°	1	100	240	285	263	2
95°	0	93	166	147	139	0
105°	0	84	103	93	92	0
115°	0	69	98	88	84	1
125°	1	55	88	85	81	1
135°	1	39	70	77	74	1
145°	1	24	49	62	66	1
155°	3	15	30	39	47	1
165°	3	8	15	19	26	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-90SL-SLC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3048.5	3048.5	3048.5	3048.5	3048.5
2.5°	3086.3	3041.8	3047.2	3037.7	3021.5
5°	3082.3	3035.0	3040.4	3024.2	3025.6
7.5°	3071.5	3022.9	3029.6	3026.9	3033.7
10°	3059.3	3008.0	3033.7	3056.6	3076.9
12.5°	3037.7	2991.9	3053.9	3121.4	3163.2
15°	3017.5	2977.0	3093.1	3207.8	3246.9
17.5°	2997.3	2971.6	3141.6	3241.5	3236.1
20°	2971.6	2968.9	3178.1	3144.3	3062.0
22.5°	2943.3	2970.3	3149.7	2902.8	2740.8
25°	2910.9	2967.6	3024.2	2560.0	2350.8
27.5°	2878.5	2955.4	2796.2	2184.8	1978.4
30°	2846.1	2923.0	2488.5	1842.1	1654.5
32.5°	2808.3	2852.9	2153.8	1538.4	1365.7
35°	2769.2	2724.7	1836.7	1264.5	1099.8
37.5°	2728.7	2539.8	1551.9	1024.3	919.0
40°	2680.1	2307.7	1290.1	878.5	906.9
42.5°	2619.4	2045.9	1059.4	921.7	1118.7
45°	2542.5	1773.3	896.1	1143.0	1376.5
47.5°	2445.3	1511.4	855.6	1309.0	1381.9
50°	2327.9	1271.2	940.6	1255.0	1249.6
52.5°	2149.8	1071.5	1027.0	1144.4	1187.6
55°	1955.4	909.6	1014.8	1091.8	1168.7
57.5°	1709.8	800.3	931.2	1081.0	1170.0
60°	1465.6	727.4	859.6	1079.6	1163.3
62.5°	1195.7	661.3	823.2	1054.0	1103.9
65°	943.3	589.7	790.8	960.8	983.8
67.5°	723.3	516.9	734.1	856.9	902.8
70°	545.2	445.3	645.1	777.3	834.0
72.5°	392.7	377.9	553.3	707.1	766.5
75°	278.0	314.4	473.7	627.5	669.4
77.5°	191.6	256.4	406.2	539.8	573.5
80°	125.5	205.1	345.5	464.2	487.2
82.5°	75.6	164.6	299.6	406.2	418.3
85°	39.1	133.6	268.6	365.7	371.1
87.5°	12.1	112.0	251.0	346.8	353.6
90°	1.3	99.9	240.2	284.7	263.2
92.5°	0.0	94.5	207.8	194.3	174.1
95°	0.0	93.1	166.0	147.1	139.0
97.5°	0.0	90.4	136.3	122.8	118.8
100°	0.0	87.7	117.4	108.0	106.6
102.5°	0.0	86.4	106.6	98.5	97.2
105°	0.0	83.7	102.6	93.1	91.8
107.5°	0.0	79.6	99.9	90.4	87.7
110°	0.0	75.6	99.9	89.1	85.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	71.5	99.9	87.7	83.7
115°	0.0	68.8	98.5	87.7	83.7
117.5°	1.3	66.1	97.2	87.7	83.7
120°	0.0	63.4	94.5	87.7	82.3
122.5°	1.3	59.4	91.8	86.4	82.3
125°	1.3	55.3	87.7	85.0	81.0
127.5°	1.3	51.3	83.7	82.3	78.3
130°	1.3	47.2	79.6	81.0	76.9
132.5°	1.3	43.2	74.2	78.3	75.6
135°	1.3	39.1	70.2	76.9	74.2
137.5°	1.3	35.1	64.8	72.9	72.9
140°	1.3	31.0	59.4	70.2	71.5
142.5°	1.3	28.3	54.0	67.5	68.8
145°	1.3	24.3	48.6	62.1	66.1
147.5°	1.3	21.6	43.2	56.7	62.1
150°	1.3	18.9	37.8	51.3	56.7
152.5°	1.3	16.2	33.7	44.5	52.6
155°	2.7	14.8	29.7	39.1	47.2
157.5°	2.7	12.1	24.3	33.7	40.5
160°	2.7	10.8	21.6	28.3	36.4
162.5°	2.7	9.4	17.5	24.3	31.0
165°	2.7	8.1	14.8	18.9	25.6
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)