

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-L930-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-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

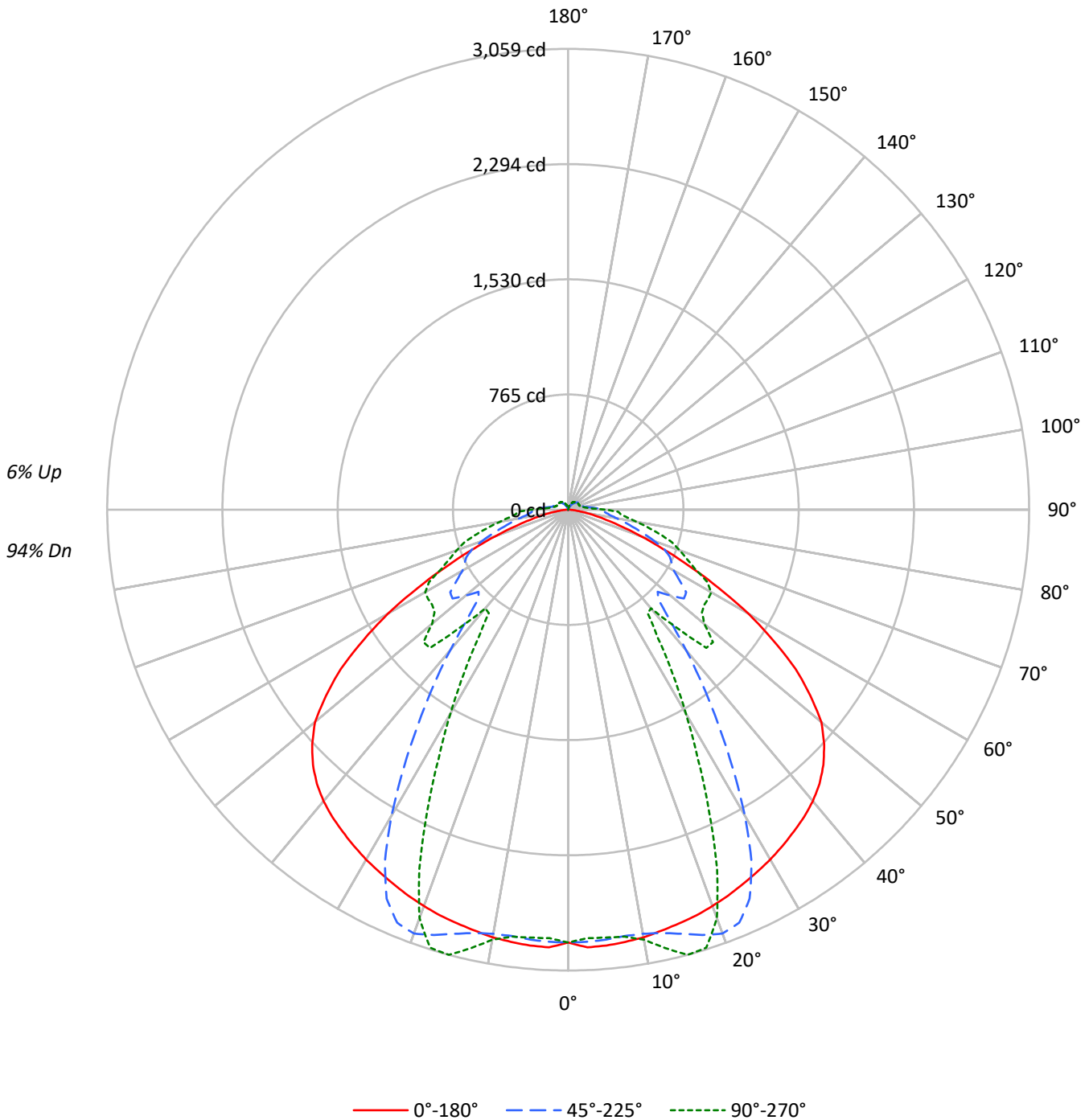
Lumens per Lamp: N/A
Luminaire Lumens: 7378.0 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11605	11605	11605
5°	11762	11344	11194
10°	11794	11182	11155
15°	11842	11349	11627
20°	11970	11697	10913
25°	12138	11252	8403
30°	12399	9433	5977
35°	12730	7151	4047
40°	13146	5204	3427
45°	13477	3779	5388
50°	13534	4190	5113
55°	12695	4829	5050
60°	10864	4426	5367
65°	8221	4472	4910
70°	5819	4080	4570
75°	3863	3429	4100
80°	2526	2949	3413
85°	1451	2819	3063



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.2	3.7
10°-20°	825.2	11.2
20°-30°	1198.7	16.2
30°-40°	1145.3	15.5
40°-50°	1047.7	14.2
50°-60°	967.4	13.1
60°-70°	768.4	10.4
70°-80°	474.3	6.4
80°-90°	258.3	3.5
90°-100°	130.5	1.8
100°-110°	82.0	1.1
110°-120°	69.5	0.9
120°-130°	56.7	0.8
130°-140°	40.7	0.6
140°-150°	25.1	0.3
150°-160°	11.9	0.2
160°-170°	3.1	0.0
170°-180°	0.0	0.0
0°-30°	2297.2	31.1
0°-40°	3442.5	46.7
0°-60°	5457.5	74.0
0°-90°	6958.4	94.3
90°-120°	282.0	3.8
90°-150°	404.6	5.5
90°-180°	420.0	5.7
0°-180°	7378.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2872	2872	2872	2872	2872	
5°	2904	2860	2865	2849	2851	276
15°	2843	2805	2914	3022	3059	805
25°	2742	2796	2849	2412	2215	1268
35°	2609	2567	1730	1191	1036	1636
45°	2395	1671	844	1077	1297	1841
55°	1842	857	956	1029	1101	1623
65°	889	556	745	905	927	899
75°	262	296	446	591	631	297
85°	37	126	253	345	350	47
90°	1	94	226	268	248	2
95°	0	88	156	139	131	0
105°	0	79	97	88	86	0
115°	0	65	93	83	79	1
125°	1	52	83	80	76	1
135°	1	37	66	72	70	1
145°	1	23	46	58	62	1
155°	2	14	28	37	44	1
165°	2	8	14	18	24	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°	2872.2	2872.2	2872.2	2872.2	2872.2
2.5°	2907.8	2865.8	2870.9	2862.0	2846.8
5°	2904.0	2859.5	2864.6	2849.3	2850.6
7.5°	2893.8	2848.0	2854.4	2851.8	2858.2
10°	2882.4	2834.0	2858.2	2879.8	2898.9
12.5°	2862.0	2818.8	2877.3	2940.8	2980.3
15°	2842.9	2804.8	2914.1	3022.2	3059.1
17.5°	2823.9	2799.7	2959.9	3054.0	3048.9
20°	2799.7	2797.2	2994.2	2962.5	2884.9
22.5°	2773.0	2798.4	2967.5	2734.9	2582.3
25°	2742.5	2795.9	2849.3	2411.9	2214.8
27.5°	2712.0	2784.5	2634.4	2058.5	1863.9
30°	2681.5	2753.9	2344.5	1735.5	1558.8
32.5°	2645.9	2687.8	2029.2	1449.4	1286.7
35°	2609.0	2567.0	1730.4	1191.3	1036.2
37.5°	2570.9	2392.9	1462.2	965.0	865.9
40°	2525.1	2174.2	1215.5	827.7	854.4
42.5°	2467.9	1927.5	998.1	868.4	1054.0
45°	2395.4	1670.7	844.2	1076.9	1296.9
47.5°	2303.9	1424.0	806.1	1233.3	1302.0
50°	2193.2	1197.7	886.2	1182.4	1177.4
52.5°	2025.4	1009.5	967.6	1078.2	1118.9
55°	1842.3	857.0	956.1	1028.6	1101.1
57.5°	1610.9	754.0	877.3	1018.4	1102.3
60°	1380.8	685.3	809.9	1017.2	1096.0
62.5°	1126.5	623.0	775.6	993.0	1040.0
65°	888.7	555.6	745.1	905.3	926.9
67.5°	681.5	487.0	691.7	807.4	850.6
70°	513.7	419.6	607.7	732.3	785.8
72.5°	370.0	356.0	521.3	666.2	722.2
75°	261.9	296.2	446.3	591.2	630.6
77.5°	180.5	241.6	382.7	508.6	540.4
80°	118.2	193.3	325.5	437.4	459.0
82.5°	71.2	155.1	282.3	382.7	394.1
85°	36.9	125.9	253.0	344.6	349.6
87.5°	11.4	105.5	236.5	326.8	333.1
90°	1.3	94.1	226.3	268.3	247.9
92.5°	0.0	89.0	195.8	183.1	164.0
95°	0.0	87.7	156.4	138.6	131.0
97.5°	0.0	85.2	128.4	115.7	111.9
100°	0.0	82.6	110.6	101.7	100.4
102.5°	0.0	81.4	100.4	92.8	91.5
105°	0.0	78.8	96.6	87.7	86.5
107.5°	0.0	75.0	94.1	85.2	82.6
110°	0.0	71.2	94.1	83.9	80.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	67.4	94.1	82.6	78.8
115°	0.0	64.8	92.8	82.6	78.8
117.5°	1.3	62.3	91.5	82.6	78.8
120°	0.0	59.8	89.0	82.6	77.6
122.5°	1.3	55.9	86.5	81.4	77.6
125°	1.3	52.1	82.6	80.1	76.3
127.5°	1.3	48.3	78.8	77.6	73.7
130°	1.3	44.5	75.0	76.3	72.5
132.5°	1.3	40.7	69.9	73.7	71.2
135°	1.3	36.9	66.1	72.5	69.9
137.5°	1.3	33.1	61.0	68.7	68.7
140°	1.3	29.2	55.9	66.1	67.4
142.5°	1.3	26.7	50.9	63.6	64.8
145°	1.3	22.9	45.8	58.5	62.3
147.5°	1.3	20.3	40.7	53.4	58.5
150°	1.3	17.8	35.6	48.3	53.4
152.5°	1.3	15.3	31.8	42.0	49.6
155°	2.5	14.0	28.0	36.9	44.5
157.5°	2.5	11.4	22.9	31.8	38.1
160°	2.5	10.2	20.3	26.7	34.3
162.5°	2.5	8.9	16.5	22.9	29.2
165°	2.5	7.6	14.0	17.8	24.2
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)