

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-LD5-91SL-SLN-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 (P27402)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-91SL-SLN-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

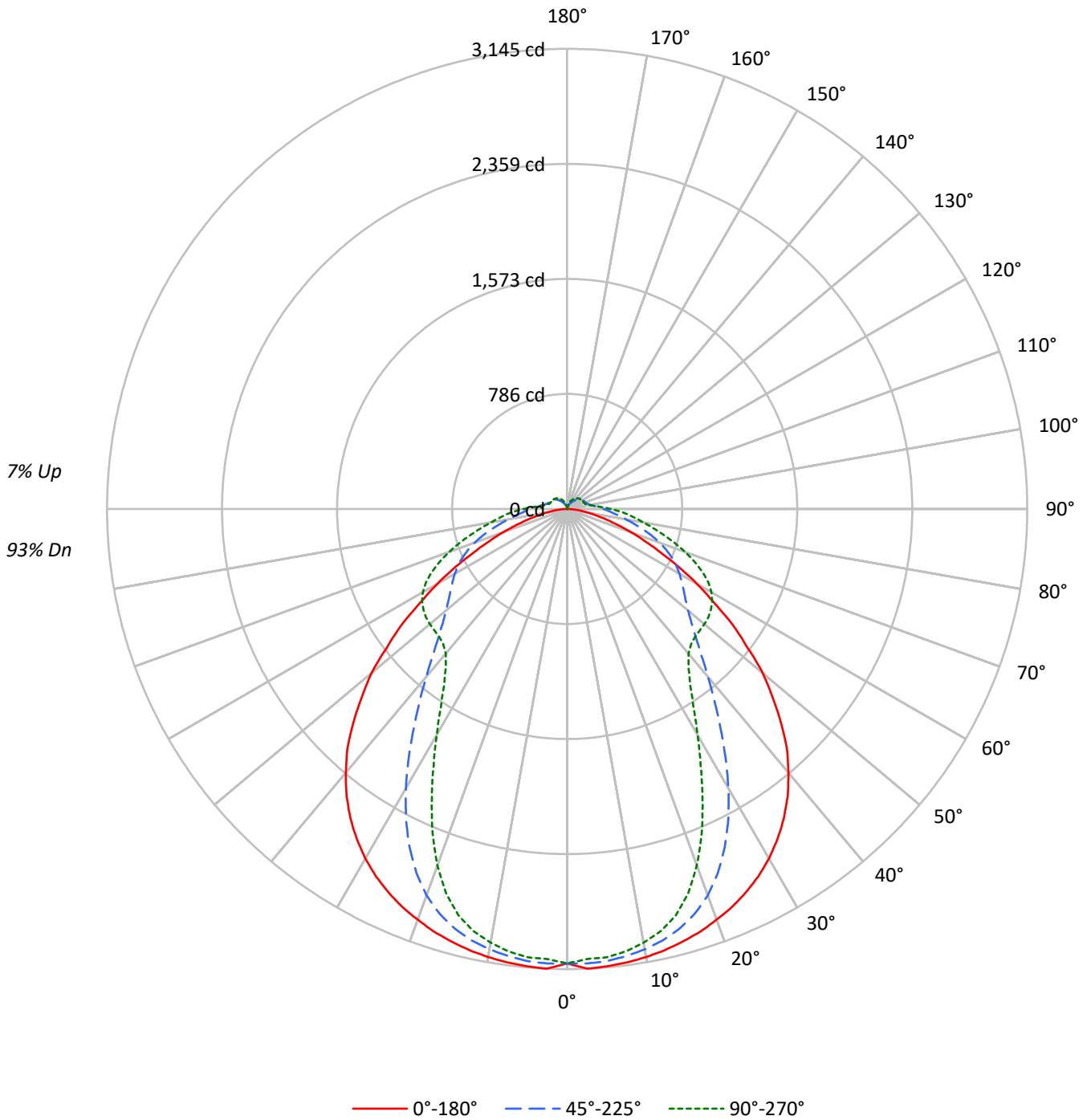
Lumens per Lamp: N/A
Luminaire Lumens: 7810.0 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12548	12548	12548
5°	12710	12282	12079
10°	12723	11954	11582
15°	12745	11564	10921
20°	12770	10978	9808
25°	12795	10068	8306
30°	12756	8867	6832
35°	12598	7552	5725
40°	12254	6402	5176
45°	11633	5571	5136
50°	10778	5099	5316
55°	9524	4908	5502
60°	8070	4845	5578
65°	6530	4747	5404
70°	5290	4512	4984
75°	4042	4096	4423
80°	3059	3693	3935
85°	2175	3505	3619



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.8	3.8
10°-20°	830.5	10.6
20°-30°	1160.9	14.9
30°-40°	1204.2	15.4
40°-50°	1112.4	14.2
50°-60°	993.2	12.7
60°-70°	804.9	10.3
70°-80°	535.4	6.9
80°-90°	306.6	3.9
90°-100°	169.6	2.2
100°-110°	114.9	1.5
110°-120°	95.6	1.2
120°-130°	77.7	1.0
130°-140°	56.1	0.7
140°-150°	33.8	0.4
150°-160°	16.3	0.2
160°-170°	4.2	0.1
170°-180°	0.0	0.0
0°-30°	2285.2	29.3
0°-40°	3489.3	44.7
0°-60°	5595.0	71.6
0°-90°	7241.8	92.7
90°-120°	380.1	4.9
90°-150°	547.7	7.0
90°-180°	568.0	7.3
0°-180°	7810.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3106	3106	3106	3106	3106	
5°	3138	3085	3102	3080	3076	298
15°	3060	2995	2969	2902	2873	865
25°	2891	2763	2550	2282	2189	1332
35°	2582	2298	1827	1535	1466	1611
45°	2068	1638	1244	1200	1236	1590
55°	1382	1045	972	1130	1200	1229
65°	706	632	791	969	1020	714
75°	274	343	533	653	680	300
85°	55	159	314	402	413	64
90°	3	112	248	300	297	4
95°	3	94	197	210	204	2
105°	1	82	142	138	131	1
115°	1	74	126	124	120	1
125°	1	63	111	116	113	1
135°	3	47	88	103	103	2
145°	3	30	61	80	85	2
155°	3	19	38	50	61	1
165°	3	11	19	24	32	1
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°	3105.6	3105.6	3105.6	3105.6	3105.6
2.5°	3144.7	3093.4	3109.6	3096.1	3078.6
5°	3138.0	3085.3	3101.5	3079.9	3075.9
7.5°	3125.8	3073.2	3082.6	3057.0	3050.2
10°	3109.6	3054.3	3055.6	3019.2	3009.7
12.5°	3088.0	3027.3	3019.2	2969.3	2955.8
15°	3059.7	2994.9	2969.3	2901.8	2873.4
17.5°	3028.6	2953.1	2900.4	2796.5	2752.0
20°	2986.8	2901.8	2810.0	2652.1	2592.7
22.5°	2945.0	2839.7	2692.6	2482.0	2402.4
25°	2891.0	2762.8	2549.5	2282.3	2189.1
27.5°	2830.2	2672.3	2384.8	2077.1	1977.3
30°	2758.7	2563.0	2204.0	1876.0	1781.6
32.5°	2675.0	2440.2	2013.7	1695.2	1607.4
35°	2581.9	2298.5	1827.4	1534.6	1465.7
37.5°	2475.3	2143.3	1654.7	1405.0	1360.5
40°	2353.8	1974.6	1495.4	1305.1	1290.3
42.5°	2222.9	1809.9	1359.1	1240.3	1253.8
45°	2067.7	1638.5	1244.4	1199.8	1236.3
47.5°	1904.4	1471.1	1151.3	1176.9	1229.5
50°	1746.5	1315.9	1078.4	1162.1	1224.1
52.5°	1550.8	1176.9	1020.3	1148.6	1216.0
55°	1382.1	1044.6	971.8	1129.7	1199.8
57.5°	1187.7	925.9	928.6	1105.4	1175.6
60°	1025.7	817.9	886.7	1071.6	1139.1
62.5°	861.1	720.7	840.8	1027.1	1087.8
65°	705.9	631.6	790.9	969.1	1020.3
67.5°	576.3	550.7	734.2	898.9	942.1
70°	467.0	476.4	672.1	820.6	857.0
72.5°	359.0	407.6	604.6	736.9	768.0
75°	274.0	342.8	533.1	653.2	680.2
77.5°	202.4	286.1	468.3	577.7	600.6
80°	143.1	236.2	407.6	511.5	529.1
82.5°	95.8	194.4	357.7	452.1	468.3
85°	55.3	159.3	314.5	402.2	413.0
87.5°	22.9	132.3	279.4	350.9	356.3
90°	2.7	112.0	248.3	299.6	296.9
92.5°	2.7	101.2	221.3	251.0	244.3
95°	2.7	94.5	197.1	210.5	203.8
97.5°	2.7	90.4	175.5	180.9	174.1
100°	1.3	87.7	160.6	160.6	153.9
102.5°	1.3	85.0	149.8	145.8	140.4
105°	1.3	82.3	141.7	137.7	130.9
107.5°	1.3	81.0	136.3	132.3	125.5
110°	1.3	78.3	132.3	128.2	122.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	76.9	129.6	126.9	120.1
115°	1.3	74.2	125.5	124.2	120.1
117.5°	1.3	71.5	122.8	122.8	118.8
120°	1.3	68.8	118.8	121.5	117.4
122.5°	1.3	66.1	114.7	118.8	114.7
125°	1.3	63.4	110.7	116.1	113.4
127.5°	2.7	59.4	105.3	113.4	110.7
130°	1.3	55.3	99.9	110.7	109.3
132.5°	2.7	51.3	94.5	106.6	106.6
135°	2.7	47.2	87.7	102.6	102.6
137.5°	2.7	41.8	81.0	97.2	98.5
140°	2.7	37.8	74.2	91.8	94.5
142.5°	2.7	33.7	67.5	86.4	90.4
145°	2.7	29.7	60.7	79.6	85.0
147.5°	2.7	27.0	54.0	71.5	79.6
150°	2.7	22.9	48.6	64.8	72.9
152.5°	2.7	20.2	43.2	58.0	67.5
155°	2.7	18.9	37.8	49.9	60.7
157.5°	2.7	16.2	32.4	43.2	54.0
160°	2.7	13.5	27.0	37.8	45.9
162.5°	2.7	12.1	22.9	31.0	40.5
165°	2.7	10.8	18.9	24.3	32.4
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)