

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

Summary

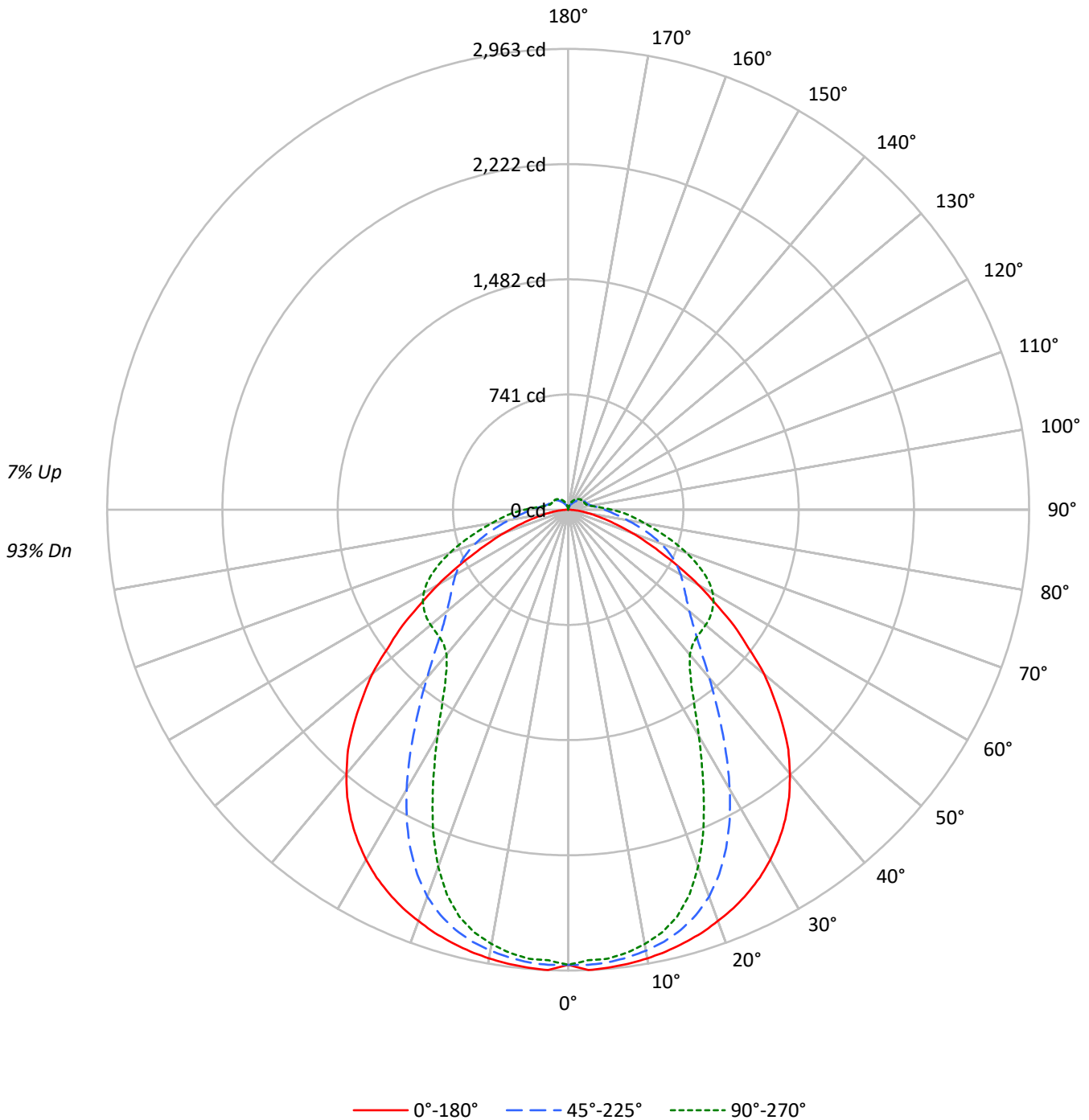
Lumens per Lamp: N/A
Luminaire Lumens: 7358.0 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	11822	11822	11822
5°	11975	11572	11380
10°	11987	11262	10912
15°	12008	10895	10289
20°	12031	10343	9240
25°	12055	9486	7825
30°	12017	8354	6436
35°	11869	7115	5394
40°	11545	6032	4876
45°	10960	5248	4839
50°	10154	4804	5009
55°	8972	4624	5184
60°	7604	4565	5256
65°	6152	4472	5092
70°	4984	4251	4696
75°	3807	3859	4167
80°	2881	3479	3706
85°	2049	3302	3410



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.8	3.8
10°-20°	782.4	10.6
20°-30°	1093.7	14.9
30°-40°	1134.5	15.4
40°-50°	1048.1	14.2
50°-60°	935.7	12.7
60°-70°	758.3	10.3
70°-80°	504.4	6.9
80°-90°	288.8	3.9
90°-100°	159.8	2.2
100°-110°	108.2	1.5
110°-120°	90.1	1.2
120°-130°	73.3	1.0
130°-140°	52.8	0.7
140°-150°	31.9	0.4
150°-160°	15.3	0.2
160°-170°	4.0	0.1
170°-180°	0.0	0.0
0°-30°	2152.9	29.3
0°-40°	3287.4	44.7
0°-60°	5271.2	71.6
0°-90°	6822.7	92.7
90°-120°	358.1	4.9
90°-150°	516.0	7.0
90°-180°	535.0	7.3
0°-180°	7358.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2926	2926	2926	2926	2926	
5°	2956	2907	2922	2902	2898	281
15°	2883	2822	2797	2734	2707	815
25°	2724	2603	2402	2150	2062	1255
35°	2432	2165	1722	1446	1381	1518
45°	1948	1544	1172	1130	1165	1498
55°	1302	984	916	1064	1130	1158
65°	665	595	745	913	961	672
75°	258	323	502	615	641	283
85°	52	150	296	379	389	60
90°	2	106	234	282	280	4
95°	2	89	186	198	192	2
105°	1	78	134	130	123	1
115°	1	70	118	117	113	1
125°	1	60	104	109	107	1
135°	2	44	83	97	97	2
145°	2	28	57	75	80	2
155°	2	18	36	47	57	1
165°	2	10	18	23	30	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°	2925.8	2925.8	2925.8	2925.8	2925.8
2.5°	2962.7	2914.4	2929.6	2916.9	2900.4
5°	2956.4	2906.8	2922.0	2901.7	2897.9
7.5°	2944.9	2895.3	2904.2	2880.1	2873.7
10°	2929.6	2877.5	2878.8	2844.5	2835.6
12.5°	2909.3	2852.1	2844.5	2797.4	2784.7
15°	2882.6	2821.6	2797.4	2733.8	2707.1
17.5°	2853.4	2782.2	2732.6	2634.7	2592.7
20°	2813.9	2733.8	2647.4	2498.6	2442.6
22.5°	2774.5	2675.3	2536.7	2338.4	2263.4
25°	2723.7	2602.9	2402.0	2150.2	2062.5
27.5°	2666.4	2517.7	2246.8	1956.9	1862.8
30°	2599.0	2414.7	2076.4	1767.5	1678.4
32.5°	2520.2	2299.0	1897.2	1597.1	1514.4
35°	2432.5	2165.4	1721.7	1445.8	1380.9
37.5°	2332.0	2019.2	1558.9	1323.7	1281.7
40°	2217.6	1860.3	1408.9	1229.6	1215.6
42.5°	2094.2	1705.1	1280.5	1168.6	1181.3
45°	1948.0	1543.7	1172.4	1130.4	1164.7
47.5°	1794.2	1386.0	1084.6	1108.8	1158.4
50°	1645.4	1239.8	1016.0	1094.8	1153.3
52.5°	1461.0	1108.8	961.3	1082.1	1145.7
55°	1302.1	984.2	915.5	1064.3	1130.4
57.5°	1119.0	872.3	874.8	1041.4	1107.5
60°	966.4	770.6	835.4	1009.6	1073.2
62.5°	811.2	679.0	792.2	967.6	1024.9
65°	665.0	595.1	745.1	913.0	961.3
67.5°	543.0	518.8	691.7	846.9	887.5
70°	440.0	448.9	633.2	773.1	807.4
72.5°	338.2	384.0	569.7	694.3	723.5
75°	258.1	323.0	502.3	615.4	640.9
77.5°	190.7	269.6	441.2	544.2	565.8
80°	134.8	222.5	384.0	481.9	498.4
82.5°	90.3	183.1	337.0	426.0	441.2
85°	52.1	150.0	296.3	378.9	389.1
87.5°	21.6	124.6	263.2	330.6	335.7
90°	2.5	105.5	234.0	282.3	279.7
92.5°	2.5	95.4	208.5	236.5	230.2
95°	2.5	89.0	185.6	198.4	192.0
97.5°	2.5	85.2	165.3	170.4	164.0
100°	1.3	82.7	151.3	151.3	145.0
102.5°	1.3	80.1	141.1	137.3	132.2
105°	1.3	77.6	133.5	129.7	123.3
107.5°	1.3	76.3	128.4	124.6	118.3
110°	1.3	73.7	124.6	120.8	115.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	72.5	122.1	119.5	113.2
115°	1.3	69.9	118.3	117.0	113.2
117.5°	1.3	67.4	115.7	115.7	111.9
120°	1.3	64.8	111.9	114.4	110.6
122.5°	1.3	62.3	108.1	111.9	108.1
125°	1.3	59.8	104.3	109.4	106.8
127.5°	2.5	55.9	99.2	106.8	104.3
130°	1.3	52.1	94.1	104.3	103.0
132.5°	2.5	48.3	89.0	100.5	100.5
135°	2.5	44.5	82.7	96.6	96.6
137.5°	2.5	39.4	76.3	91.6	92.8
140°	2.5	35.6	69.9	86.5	89.0
142.5°	2.5	31.8	63.6	81.4	85.2
145°	2.5	28.0	57.2	75.0	80.1
147.5°	2.5	25.4	50.9	67.4	75.0
150°	2.5	21.6	45.8	61.0	68.7
152.5°	2.5	19.1	40.7	54.7	63.6
155°	2.5	17.8	35.6	47.0	57.2
157.5°	2.5	15.3	30.5	40.7	50.9
160°	2.5	12.7	25.4	35.6	43.2
162.5°	2.5	11.4	21.6	29.2	38.1
165°	2.5	10.2	17.8	22.9	30.5
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)