

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-LD5-98SL-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-LD5-98SL-SLN-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

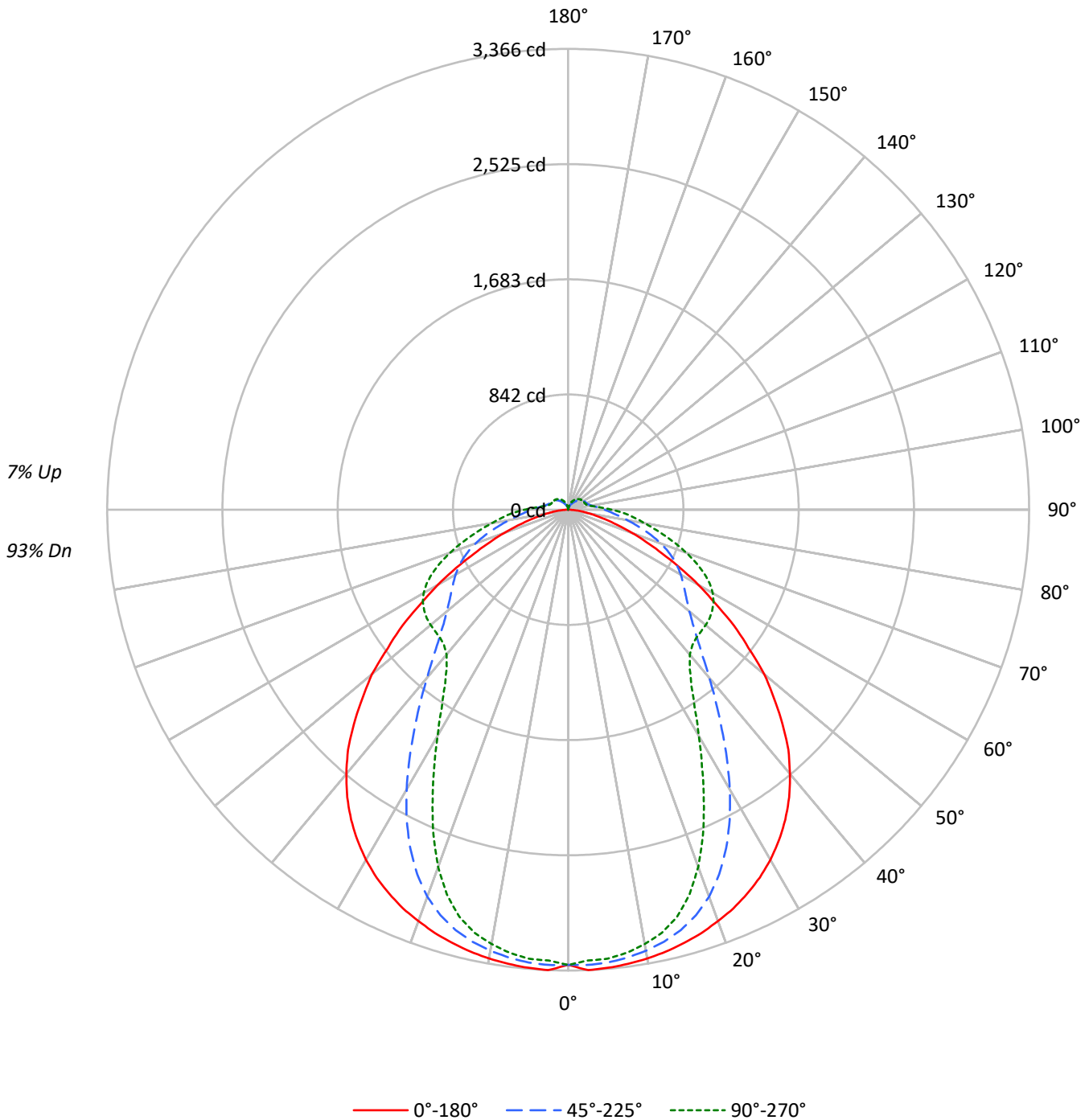
Lumens per Lamp: N/A
Luminaire Lumens: 8360.0 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 75
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°	13432	13432	13432
5°	13605	13147	12930
10°	13619	12796	12398
15°	13643	12378	11690
20°	13669	11751	10499
25°	13697	10777	8891
30°	13654	9492	7312
35°	13485	8084	6128
40°	13118	6853	5540
45°	12453	5963	5498
50°	11537	5458	5691
55°	10194	5253	5890
60°	8639	5187	5971
65°	6990	5081	5785
70°	5663	4831	5335
75°	4327	4385	4734
80°	3272	3953	4211
85°	2329	3751	3874



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.5	3.8
10°-20°	888.9	10.6
20°-30°	1242.7	14.9
30°-40°	1288.9	15.4
40°-50°	1190.8	14.2
50°-60°	1063.1	12.7
60°-70°	861.6	10.3
70°-80°	573.1	6.9
80°-90°	328.2	3.9
90°-100°	181.6	2.2
100°-110°	122.9	1.5
110°-120°	102.4	1.2
120°-130°	83.2	1.0
130°-140°	60.0	0.7
140°-150°	36.2	0.4
150°-160°	17.4	0.2
160°-170°	4.5	0.1
170°-180°	0.0	0.0
0°-30°	2446.1	29.3
0°-40°	3735.0	44.7
0°-60°	5989.0	71.6
0°-90°	7751.8	92.7
90°-120°	406.9	4.9
90°-150°	586.3	7.0
90°-180°	608.0	7.3
0°-180°	8360.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3324	3324	3324	3324	3324	
5°	3359	3303	3320	3297	3292	320
15°	3275	3206	3178	3106	3076	925
25°	3095	2957	2729	2443	2343	1426
35°	2764	2460	1956	1643	1569	1724
45°	2213	1754	1332	1284	1323	1702
55°	1479	1118	1040	1209	1284	1315
65°	756	676	847	1037	1092	764
75°	293	367	571	699	728	322
85°	59	170	337	430	442	68
90°	3	120	266	321	318	5
95°	3	101	211	225	218	2
105°	1	88	152	147	140	1
115°	1	80	134	133	129	1
125°	1	68	118	124	121	2
135°	3	51	94	110	110	2
145°	3	32	65	85	91	2
155°	3	20	40	54	65	1
165°	3	12	20	26	35	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-98SL-SLN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3324.3	3324.3	3324.3	3324.3	3324.3
2.5°	3366.2	3311.3	3328.6	3314.2	3295.4
5°	3358.9	3302.6	3319.9	3296.8	3292.5
7.5°	3345.9	3289.6	3299.7	3272.3	3265.0
10°	3328.6	3269.4	3270.8	3231.8	3221.7
12.5°	3305.5	3240.5	3231.8	3178.4	3163.9
15°	3275.2	3205.8	3178.4	3106.1	3075.8
17.5°	3241.9	3161.0	3104.7	2993.4	2945.8
20°	3197.1	3106.1	3007.9	2838.8	2775.3
22.5°	3152.4	3039.7	2882.2	2656.8	2571.6
25°	3094.6	2957.3	2729.1	2443.0	2343.3
27.5°	3029.6	2860.5	2552.8	2223.4	2116.5
30°	2953.0	2743.5	2359.2	2008.1	1907.0
32.5°	2863.4	2612.0	2155.5	1814.6	1720.6
35°	2763.7	2460.3	1956.1	1642.6	1569.0
37.5°	2649.6	2294.2	1771.2	1503.9	1456.3
40°	2519.6	2113.6	1600.7	1397.0	1381.1
42.5°	2379.4	1937.4	1454.8	1327.7	1342.1
45°	2213.3	1753.9	1332.0	1284.3	1323.4
47.5°	2038.5	1574.7	1232.3	1259.8	1316.1
50°	1869.5	1408.6	1154.3	1243.9	1310.3
52.5°	1660.0	1259.8	1092.2	1229.4	1301.7
55°	1479.4	1118.2	1040.2	1209.2	1284.3
57.5°	1271.3	991.1	994.0	1183.2	1258.3
60°	1098.0	875.5	949.2	1147.1	1219.3
62.5°	921.7	771.5	900.1	1099.4	1164.4
65°	755.6	676.1	846.6	1037.3	1092.2
67.5°	616.9	589.4	785.9	962.2	1008.4
70°	499.9	510.0	719.5	878.4	917.4
72.5°	384.3	436.3	647.2	788.8	822.0
75°	293.3	367.0	570.7	699.2	728.1
77.5°	216.7	306.3	501.3	618.3	642.9
80°	153.1	252.8	436.3	547.5	566.3
82.5°	102.6	208.0	382.8	484.0	501.3
85°	59.2	170.5	336.6	430.5	442.1
87.5°	24.6	141.6	299.1	375.6	381.4
90°	2.9	119.9	265.8	320.7	317.8
92.5°	2.9	108.4	236.9	268.7	261.5
95°	2.9	101.1	210.9	225.4	218.2
97.5°	2.9	96.8	187.8	193.6	186.4
100°	1.4	93.9	171.9	171.9	164.7
102.5°	1.4	91.0	160.4	156.0	150.2
105°	1.4	88.1	151.7	147.4	140.1
107.5°	1.4	86.7	145.9	141.6	134.4
110°	1.4	83.8	141.6	137.2	131.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	82.3	138.7	135.8	128.6
115°	1.4	79.5	134.4	132.9	128.6
117.5°	1.4	76.6	131.5	131.5	127.1
120°	1.4	73.7	127.1	130.0	125.7
122.5°	1.4	70.8	122.8	127.1	122.8
125°	1.4	67.9	118.5	124.2	121.4
127.5°	2.9	63.6	112.7	121.4	118.5
130°	1.4	59.2	106.9	118.5	117.0
132.5°	2.9	54.9	101.1	114.1	114.1
135°	2.9	50.6	93.9	109.8	109.8
137.5°	2.9	44.8	86.7	104.0	105.5
140°	2.9	40.5	79.5	98.2	101.1
142.5°	2.9	36.1	72.2	92.5	96.8
145°	2.9	31.8	65.0	85.2	91.0
147.5°	2.9	28.9	57.8	76.6	85.2
150°	2.9	24.6	52.0	69.3	78.0
152.5°	2.9	21.7	46.2	62.1	72.2
155°	2.9	20.2	40.5	53.5	65.0
157.5°	2.9	17.3	34.7	46.2	57.8
160°	2.9	14.4	28.9	40.5	49.1
162.5°	2.9	13.0	24.6	33.2	43.3
165°	2.9	11.6	20.2	26.0	34.7
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)