

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-LD5-68SL-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-LD5-68SL-SLC-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

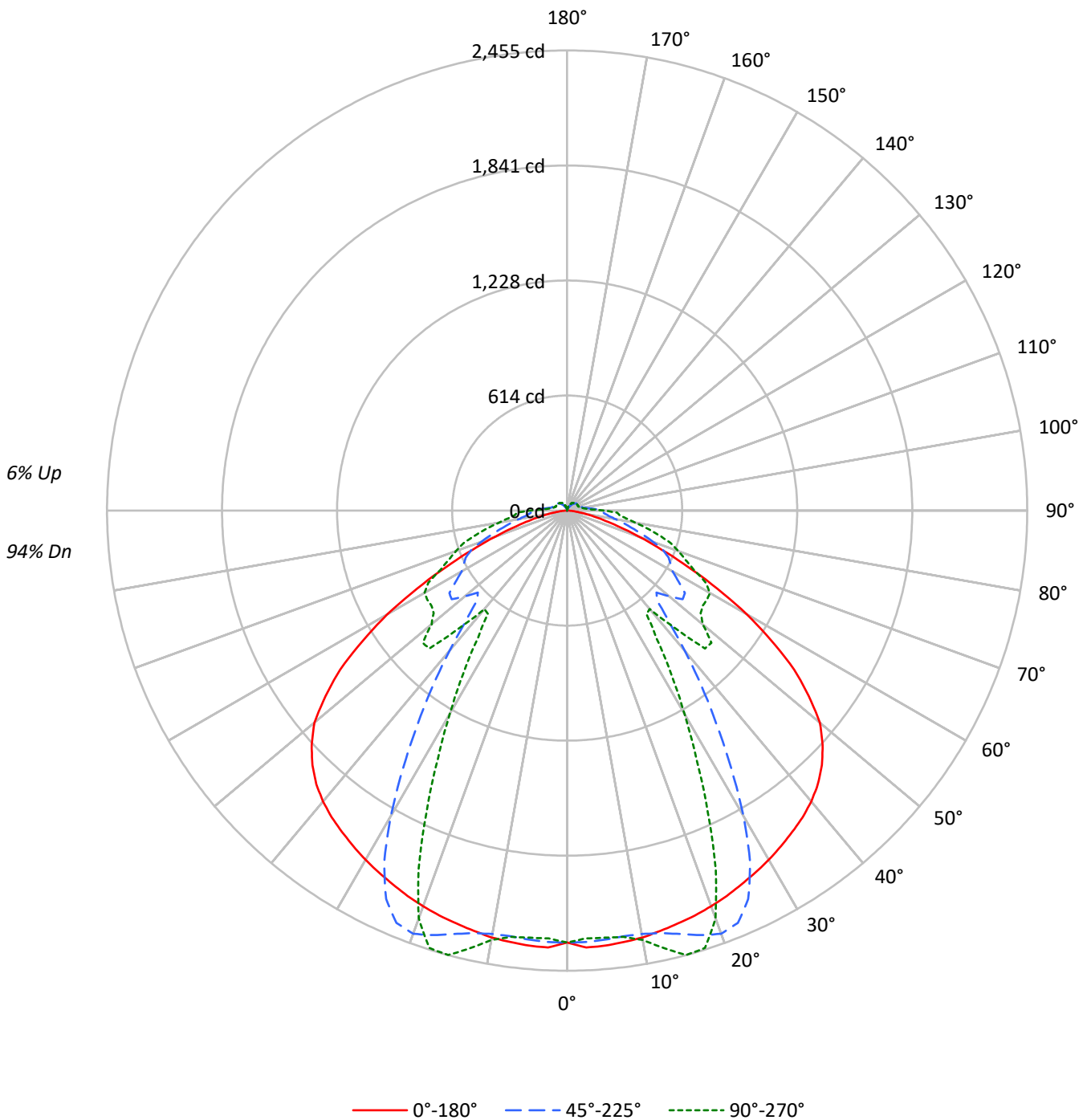
Lumens per Lamp: N/A
Luminaire Lumens: 5920.0 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 50
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				
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°	9312	9312	9312
5°	9438	9102	8982
10°	9463	8972	8951
15°	9502	9107	9329
20°	9604	9386	8757
25°	9739	9028	6743
30°	9949	7569	4796
35°	10214	5738	3248
40°	10548	4176	2750
45°	10814	3032	4323
50°	10860	3362	4103
55°	10186	3875	4052
60°	8717	3551	4306
65°	6597	3588	3939
70°	4669	3274	3667
75°	3101	2751	3290
80°	2028	2367	2739
85°	1164	2262	2459



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.2	3.7
10°-20°	662.1	11.2
20°-30°	961.8	16.2
30°-40°	919.0	15.5
40°-50°	840.6	14.2
50°-60°	776.2	13.1
60°-70°	616.5	10.4
70°-80°	380.6	6.4
80°-90°	207.2	3.5
90°-100°	104.7	1.8
100°-110°	65.8	1.1
110°-120°	55.8	0.9
120°-130°	45.5	0.8
130°-140°	32.7	0.6
140°-150°	20.1	0.3
150°-160°	9.6	0.2
160°-170°	2.5	0.0
170°-180°	0.0	0.0
0°-30°	1843.2	31.1
0°-40°	2762.2	46.7
0°-60°	4379.0	74.0
0°-90°	5583.4	94.3
90°-120°	226.3	3.8
90°-150°	324.6	5.5
90°-180°	337.0	5.7
0°-180°	5920.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2305	2305	2305	2305	2305	
5°	2330	2294	2298	2286	2287	222
15°	2281	2250	2338	2425	2455	646
25°	2200	2243	2286	1935	1777	1017
35°	2093	2060	1388	956	832	1313
45°	1922	1340	677	864	1041	1477
55°	1478	688	767	825	884	1302
65°	713	446	598	726	744	721
75°	210	238	358	474	506	238
85°	30	101	203	276	281	38
90°	1	76	182	215	199	2
95°	0	70	126	111	105	0
105°	0	63	78	70	69	0
115°	0	52	74	66	63	0
125°	1	42	66	64	61	1
135°	1	30	53	58	56	1
145°	1	18	37	47	50	1
155°	2	11	22	30	36	1
165°	2	6	11	14	19	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°	2304.6	2304.6	2304.6	2304.6	2304.6
2.5°	2333.2	2299.5	2303.6	2296.4	2284.2
5°	2330.1	2294.4	2298.5	2286.2	2287.3
7.5°	2321.9	2285.2	2290.3	2288.3	2293.4
10°	2312.8	2274.0	2293.4	2310.7	2326.0
12.5°	2296.4	2261.8	2308.7	2359.7	2391.3
15°	2281.1	2250.5	2338.3	2425.0	2454.6
17.5°	2265.8	2246.4	2375.0	2450.5	2446.4
20°	2246.4	2244.4	2402.5	2377.0	2314.8
22.5°	2225.0	2245.4	2381.1	2194.4	2072.0
25°	2200.5	2243.4	2286.2	1935.3	1777.2
27.5°	2176.1	2234.2	2113.8	1651.7	1495.6
30°	2151.6	2209.7	1881.2	1392.6	1250.7
32.5°	2123.0	2156.7	1628.2	1163.0	1032.4
35°	2093.4	2059.8	1388.5	955.9	831.5
37.5°	2062.8	1920.0	1173.2	774.3	694.7
40°	2026.1	1744.5	975.3	664.1	685.6
42.5°	1980.2	1546.6	800.8	696.8	845.7
45°	1922.0	1340.5	677.4	864.1	1040.6
47.5°	1848.6	1142.6	646.8	989.6	1044.7
50°	1759.8	961.0	711.1	948.8	944.7
52.5°	1625.2	810.0	776.4	865.1	897.8
55°	1478.2	687.6	767.2	825.3	883.5
57.5°	1292.6	605.0	703.9	817.2	884.5
60°	1107.9	549.9	649.9	816.1	879.4
62.5°	903.9	499.9	622.3	796.8	834.5
65°	713.1	445.8	597.8	726.4	743.7
67.5°	546.8	390.7	555.0	647.8	682.5
70°	412.2	336.7	487.6	587.6	630.5
72.5°	296.9	285.7	418.3	534.6	579.5
75°	210.2	237.7	358.1	474.4	506.0
77.5°	144.9	193.8	307.1	408.1	433.6
80°	94.9	155.1	261.2	350.9	368.3
82.5°	57.1	124.5	226.5	307.1	316.3
85°	29.6	101.0	203.0	276.5	280.6
87.5°	9.2	84.7	189.8	262.2	267.3
90°	1.0	75.5	181.6	215.3	198.9
92.5°	0.0	71.4	157.1	146.9	131.6
95°	0.0	70.4	125.5	111.2	105.1
97.5°	0.0	68.4	103.0	92.8	89.8
100°	0.0	66.3	88.8	81.6	80.6
102.5°	0.0	65.3	80.6	74.5	73.5
105°	0.0	63.3	77.5	70.4	69.4
107.5°	0.0	60.2	75.5	68.4	66.3
110°	0.0	57.1	75.5	67.3	64.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	54.1	75.5	66.3	63.3
115°	0.0	52.0	74.5	66.3	63.3
117.5°	1.0	50.0	73.5	66.3	63.3
120°	0.0	47.9	71.4	66.3	62.2
122.5°	1.0	44.9	69.4	65.3	62.2
125°	1.0	41.8	66.3	64.3	61.2
127.5°	1.0	38.8	63.3	62.2	59.2
130°	1.0	35.7	60.2	61.2	58.2
132.5°	1.0	32.6	56.1	59.2	57.1
135°	1.0	29.6	53.0	58.2	56.1
137.5°	1.0	26.5	49.0	55.1	55.1
140°	1.0	23.5	44.9	53.0	54.1
142.5°	1.0	21.4	40.8	51.0	52.0
145°	1.0	18.4	36.7	46.9	50.0
147.5°	1.0	16.3	32.6	42.8	46.9
150°	1.0	14.3	28.6	38.8	42.8
152.5°	1.0	12.2	25.5	33.7	39.8
155°	2.0	11.2	22.4	29.6	35.7
157.5°	2.0	9.2	18.4	25.5	30.6
160°	2.0	8.2	16.3	21.4	27.5
162.5°	2.0	7.1	13.3	18.4	23.5
165°	2.0	6.1	11.2	14.3	19.4
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)