

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-SLN-UNV-L835-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-LD5-68SL-SLN-UNV-L835-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

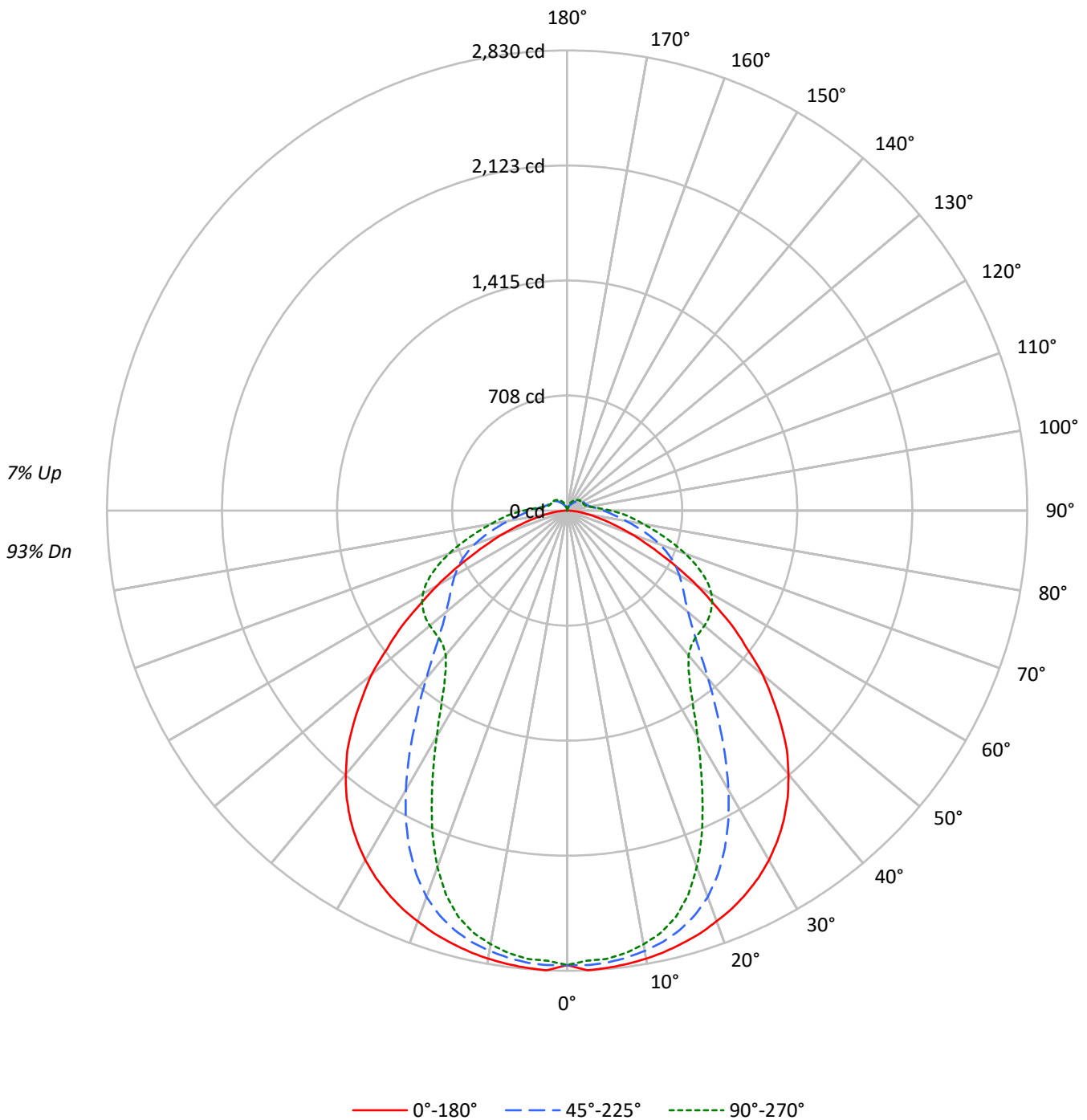
Lumens per Lamp: N/A
Luminaire Lumens: 7028.0 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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	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°	11292	11292	11292
5°	11438	11053	10869
10°	11449	10757	10422
15°	11469	10406	9828
20°	11491	9878	8826
25°	11514	9060	7474
30°	11479	7980	6148
35°	11336	6796	5152
40°	11027	5761	4657
45°	10468	5013	4622
50°	9698	4588	4784
55°	8570	4416	4951
60°	7262	4360	5020
65°	5876	4272	4864
70°	4760	4060	4485
75°	3636	3686	3980
80°	2751	3324	3541
85°	1959	3154	3256



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.4	3.8
10°-20°	747.3	10.6
20°-30°	1044.7	14.9
30°-40°	1083.6	15.4
40°-50°	1001.0	14.2
50°-60°	893.8	12.7
60°-70°	724.3	10.3
70°-80°	481.8	6.9
80°-90°	275.9	3.9
90°-100°	152.6	2.2
100°-110°	103.4	1.5
110°-120°	86.1	1.2
120°-130°	70.0	1.0
130°-140°	50.5	0.7
140°-150°	30.4	0.4
150°-160°	14.6	0.2
160°-170°	3.8	0.1
170°-180°	0.0	0.0
0°-30°	2056.4	29.3
0°-40°	3139.9	44.7
0°-60°	5034.8	71.6
0°-90°	6516.7	92.7
90°-120°	342.0	4.9
90°-150°	492.9	7.0
90°-180°	511.0	7.3
0°-180°	7028.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2795	2795	2795	2795	2795	
5°	2824	2776	2791	2772	2768	269
15°	2753	2695	2672	2611	2586	778
25°	2602	2486	2294	2054	1970	1199
35°	2323	2068	1644	1381	1319	1450
45°	1861	1474	1120	1080	1112	1431
55°	1244	940	874	1017	1080	1106
65°	635	568	712	872	918	642
75°	246	308	480	588	612	270
85°	50	143	283	362	372	57
90°	2	101	224	270	267	4
95°	2	85	177	190	183	2
105°	1	74	128	124	118	1
115°	1	67	113	112	108	1
125°	1	57	100	104	102	1
135°	2	42	79	92	92	2
145°	2	27	55	72	76	2
155°	2	17	34	45	55	1
165°	2	10	17	22	29	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°	2794.6	2794.6	2794.6	2794.6	2794.6
2.5°	2829.8	2783.7	2798.3	2786.1	2770.3
5°	2823.8	2776.4	2791.0	2771.5	2767.9
7.5°	2812.8	2765.5	2774.0	2750.9	2744.8
10°	2798.3	2748.5	2749.7	2716.9	2708.4
12.5°	2778.8	2724.2	2716.9	2671.9	2659.8
15°	2753.3	2695.0	2671.9	2611.2	2585.7
17.5°	2725.4	2657.4	2610.0	2516.5	2476.4
20°	2687.7	2611.2	2528.6	2386.5	2333.1
22.5°	2650.1	2555.4	2423.0	2233.5	2161.8
25°	2601.5	2486.1	2294.2	2053.8	1970.0
27.5°	2546.9	2404.8	2146.1	1869.1	1779.3
30°	2482.5	2306.4	1983.3	1688.2	1603.2
32.5°	2407.2	2195.9	1812.1	1525.4	1446.5
35°	2323.4	2068.3	1644.5	1380.9	1319.0
37.5°	2227.4	1928.7	1489.0	1264.3	1224.2
40°	2118.1	1776.8	1345.7	1174.4	1161.1
42.5°	2000.3	1628.7	1223.0	1116.1	1128.3
45°	1860.6	1474.4	1119.8	1079.7	1112.5
47.5°	1713.7	1323.8	1036.0	1059.1	1106.4
50°	1571.6	1184.2	970.4	1045.7	1101.6
52.5°	1395.5	1059.1	918.2	1033.6	1094.3
55°	1243.7	940.0	874.5	1016.6	1079.7
57.5°	1068.8	833.2	835.6	994.7	1057.8
60°	923.0	736.0	797.9	964.3	1025.1
62.5°	774.9	648.6	756.6	924.3	978.9
65°	635.2	568.4	711.7	872.0	918.2
67.5°	518.6	495.5	660.7	808.9	847.7
70°	420.2	428.7	604.8	738.4	771.2
72.5°	323.1	366.8	544.1	663.1	691.1
75°	246.5	308.5	479.7	587.8	612.1
77.5°	182.2	257.5	421.4	519.8	540.5
80°	128.7	212.5	366.8	460.3	476.1
82.5°	86.2	174.9	321.8	406.9	421.4
85°	49.8	143.3	283.0	361.9	371.6
87.5°	20.6	119.0	251.4	315.8	320.6
90°	2.4	100.8	223.5	269.6	267.2
92.5°	2.4	91.1	199.2	225.9	219.8
95°	2.4	85.0	177.3	189.5	183.4
97.5°	2.4	81.4	157.9	162.7	156.7
100°	1.2	78.9	144.5	144.5	138.5
102.5°	1.2	76.5	134.8	131.2	126.3
105°	1.2	74.1	127.5	123.9	117.8
107.5°	1.2	72.9	122.7	119.0	113.0
110°	1.2	70.4	119.0	115.4	110.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	69.2	116.6	114.2	108.1
115°	1.2	66.8	113.0	111.7	108.1
117.5°	1.2	64.4	110.5	110.5	106.9
120°	1.2	61.9	106.9	109.3	105.7
122.5°	1.2	59.5	103.2	106.9	103.2
125°	1.2	57.1	99.6	104.4	102.0
127.5°	2.4	53.4	94.7	102.0	99.6
130°	1.2	49.8	89.9	99.6	98.4
132.5°	2.4	46.2	85.0	95.9	95.9
135°	2.4	42.5	78.9	92.3	92.3
137.5°	2.4	37.7	72.9	87.4	88.7
140°	2.4	34.0	66.8	82.6	85.0
142.5°	2.4	30.4	60.7	77.7	81.4
145°	2.4	26.7	54.7	71.7	76.5
147.5°	2.4	24.3	48.6	64.4	71.7
150°	2.4	20.6	43.7	58.3	65.6
152.5°	2.4	18.2	38.9	52.2	60.7
155°	2.4	17.0	34.0	44.9	54.7
157.5°	2.4	14.6	29.1	38.9	48.6
160°	2.4	12.1	24.3	34.0	41.3
162.5°	2.4	10.9	20.6	27.9	36.4
165°	2.4	9.7	17.0	21.9	29.1
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)