

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-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 (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-L835-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

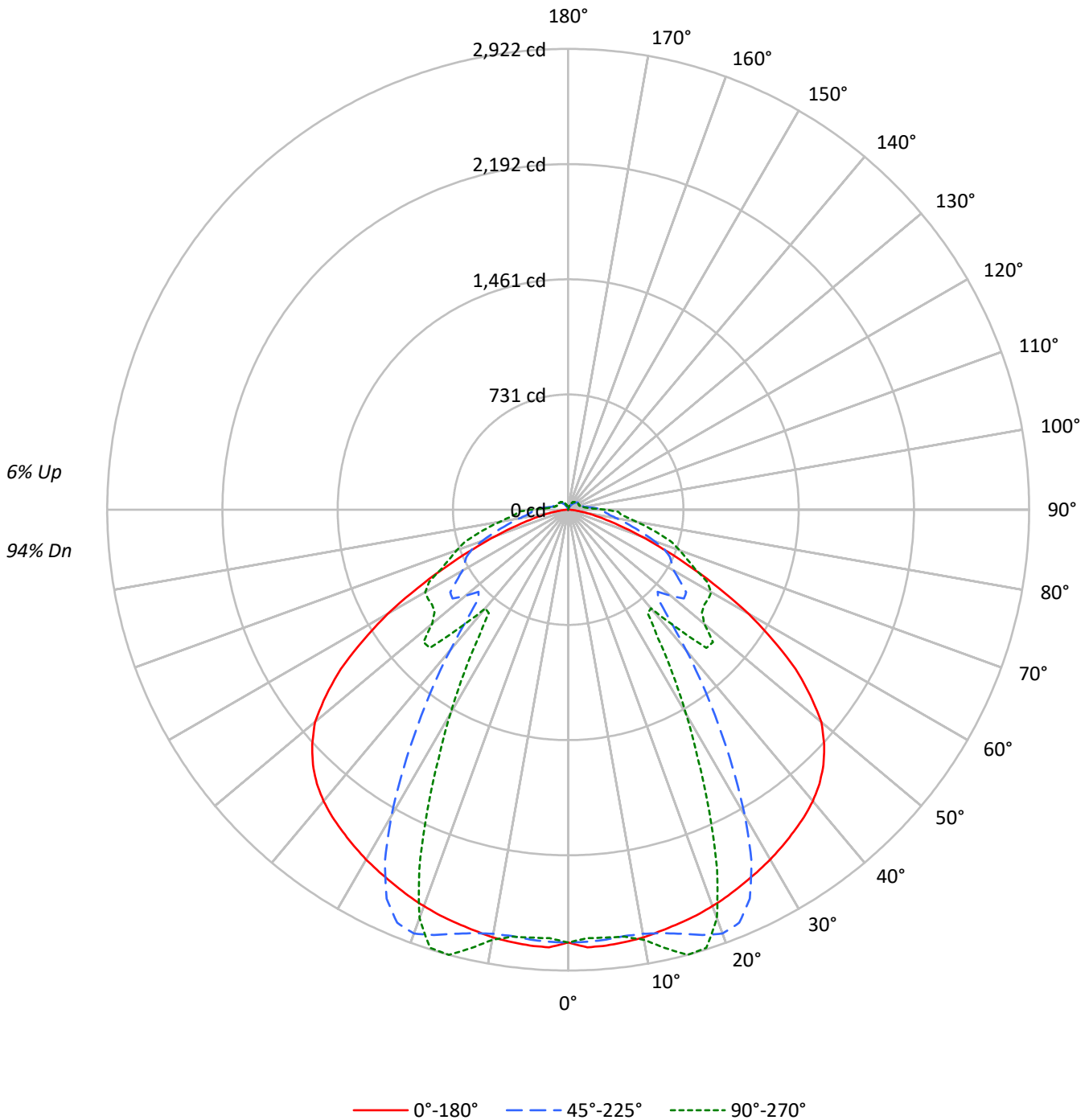
Lumens per Lamp: N/A  
Luminaire Lumens: 7048.0 lumens  
Efficiency: N/A  
Efficacy: 141.0 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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	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°	11086	11086	11086
5°	11236	10837	10694
10°	11266	10682	10656
15°	11313	10842	11107
20°	11435	11174	10425
25°	11595	10749	8028
30°	11844	9011	5710
35°	12160	6831	3866
40°	12558	4971	3274
45°	12875	3610	5147
50°	12929	4003	4885
55°	12127	4613	4823
60°	10378	4228	5127
65°	7854	4272	4690
70°	5558	3898	4365
75°	3691	3275	3917
80°	2415	2817	3261
85°	1385	2693	2927



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	261.0	3.7
10°-20°	788.3	11.2
20°-30°	1145.1	16.2
30°-40°	1094.1	15.5
40°-50°	1000.8	14.2
50°-60°	924.1	13.1
60°-70°	734.0	10.4
70°-80°	453.0	6.4
80°-90°	246.7	3.5
90°-100°	124.7	1.8
100°-110°	78.4	1.1
110°-120°	66.4	0.9
120°-130°	54.2	0.8
130°-140°	38.9	0.6
140°-150°	24.0	0.3
150°-160°	11.4	0.2
160°-170°	3.0	0.0
170°-180°	0.0	0.0
0°-30°	2194.4	31.1
0°-40°	3288.5	46.7
0°-60°	5213.4	74.0
0°-90°	6647.2	94.3
90°-120°	269.4	3.8
90°-150°	386.5	5.5
90°-180°	401.0	5.7
0°-180°	7048.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2744	2744	2744	2744	2744	
5°	2774	2732	2736	2722	2723	264
15°	2716	2679	2784	2887	2922	769
25°	2620	2671	2722	2304	2116	1211
35°	2492	2452	1653	1138	990	1563
45°	2288	1596	806	1029	1239	1759
55°	1760	819	913	983	1052	1550
65°	849	531	712	865	885	859
75°	250	283	426	565	602	284
85°	35	120	242	329	334	45
90°	1	90	216	256	237	2
95°	0	84	149	132	125	0
105°	0	75	92	84	83	0
115°	0	62	89	79	75	1
125°	1	50	79	76	73	1
135°	1	35	63	69	67	1
145°	1	22	44	56	60	1
155°	2	13	27	35	42	1
165°	2	7	13	17	23	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°	2743.7	2743.7	2743.7	2743.7	2743.7
2.5°	2777.7	2737.6	2742.5	2734.0	2719.4
5°	2774.1	2731.6	2736.4	2721.9	2723.1
7.5°	2764.4	2720.6	2726.7	2724.3	2730.4
10°	2753.4	2707.3	2730.4	2751.0	2769.2
12.5°	2734.0	2692.7	2748.6	2809.3	2847.0
15°	2715.8	2679.3	2783.8	2887.0	2922.3
17.5°	2697.6	2674.5	2827.5	2917.4	2912.5
20°	2674.5	2672.1	2860.3	2830.0	2755.9
22.5°	2649.0	2673.3	2834.8	2612.5	2466.8
25°	2619.8	2670.8	2721.9	2304.0	2115.8
27.5°	2590.7	2659.9	2516.6	1966.4	1780.6
30°	2561.5	2630.8	2239.7	1657.9	1489.1
32.5°	2527.5	2567.6	1938.5	1384.6	1229.1
35°	2492.3	2452.2	1653.0	1138.1	989.9
37.5°	2455.9	2285.8	1396.8	921.9	827.1
40°	2412.1	2076.9	1161.1	790.7	816.2
42.5°	2357.5	1841.3	953.4	829.6	1006.9
45°	2288.3	1595.9	806.5	1028.7	1238.9
47.5°	2200.8	1360.3	770.0	1178.1	1243.7
50°	2095.1	1144.1	846.6	1129.6	1124.7
52.5°	1934.8	964.4	924.3	1030.0	1068.8
55°	1759.9	818.6	913.4	982.6	1051.8
57.5°	1538.9	720.2	838.1	972.9	1053.0
60°	1319.0	654.7	773.7	971.7	1047.0
62.5°	1076.1	595.1	740.9	948.6	993.5
65°	849.0	530.8	711.7	864.8	885.4
67.5°	651.0	465.2	660.7	771.3	812.5
70°	490.7	400.8	580.6	699.6	750.6
72.5°	353.4	340.1	498.0	636.4	689.9
75°	250.2	283.0	426.3	564.8	602.4
77.5°	172.5	230.8	365.6	485.8	516.2
80°	113.0	184.6	310.9	417.8	438.5
82.5°	68.0	148.2	269.6	365.6	376.5
85°	35.2	120.2	241.7	329.1	334.0
87.5°	10.9	100.8	225.9	312.1	318.2
90°	1.2	89.9	216.2	256.3	236.8
92.5°	0.0	85.0	187.0	174.9	156.7
95°	0.0	83.8	149.4	132.4	125.1
97.5°	0.0	81.4	122.7	110.5	106.9
100°	0.0	78.9	105.7	97.2	96.0
102.5°	0.0	77.7	96.0	88.7	87.4
105°	0.0	75.3	92.3	83.8	82.6
107.5°	0.0	71.7	89.9	81.4	78.9
110°	0.0	68.0	89.9	80.2	76.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	64.4	89.9	78.9	75.3
115°	0.0	61.9	88.7	78.9	75.3
117.5°	1.2	59.5	87.4	78.9	75.3
120°	0.0	57.1	85.0	78.9	74.1
122.5°	1.2	53.4	82.6	77.7	74.1
125°	1.2	49.8	78.9	76.5	72.9
127.5°	1.2	46.2	75.3	74.1	70.4
130°	1.2	42.5	71.7	72.9	69.2
132.5°	1.2	38.9	66.8	70.4	68.0
135°	1.2	35.2	63.2	69.2	66.8
137.5°	1.2	31.6	58.3	65.6	65.6
140°	1.2	27.9	53.4	63.2	64.4
142.5°	1.2	25.5	48.6	60.7	61.9
145°	1.2	21.9	43.7	55.9	59.5
147.5°	1.2	19.4	38.9	51.0	55.9
150°	1.2	17.0	34.0	46.2	51.0
152.5°	1.2	14.6	30.4	40.1	47.4
155°	2.4	13.4	26.7	35.2	42.5
157.5°	2.4	10.9	21.9	30.4	36.4
160°	2.4	9.7	19.4	25.5	32.8
162.5°	2.4	8.5	15.8	21.9	27.9
165°	2.4	7.3	13.4	17.0	23.1
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)