

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-L950-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-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

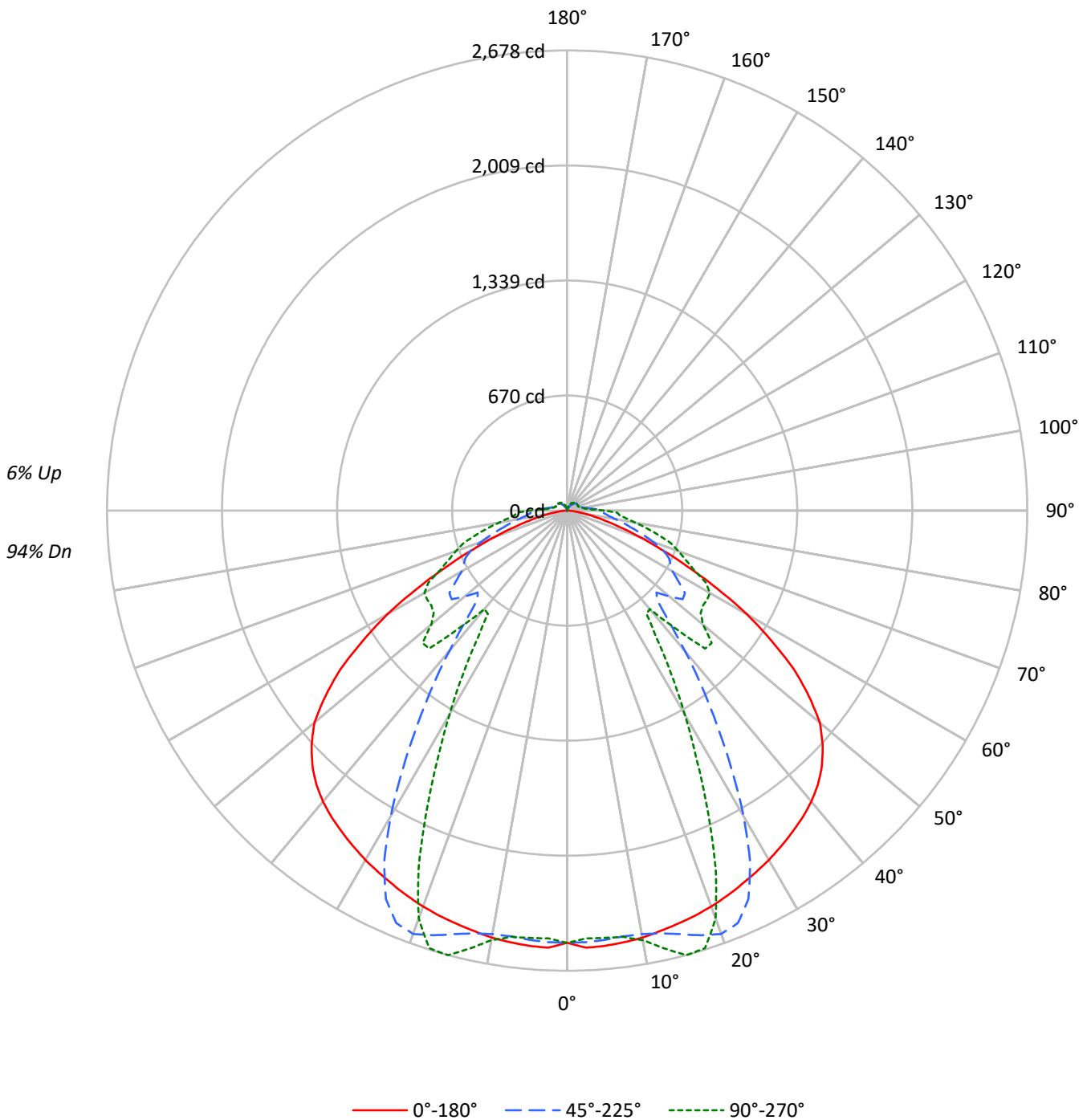
Lumens per Lamp: N/A  
Luminaire Lumens: 6460.0 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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°	10161	10161	10161
5°	10299	9932	9801
10°	10326	9790	9767
15°	10369	9937	10180
20°	10481	10242	9555
25°	10628	9852	7358
30°	10856	8259	5233
35°	11146	6261	3544
40°	11510	4557	3001
45°	11800	3309	4718
50°	11850	3668	4477
55°	11115	4228	4421
60°	9513	3875	4699
65°	7199	3916	4299
70°	5095	3572	4001
75°	3382	3002	3591
80°	2212	2582	2989
85°	1271	2468	2682



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.2	3.7
10°-20°	722.5	11.2
20°-30°	1049.6	16.2
30°-40°	1002.8	15.5
40°-50°	917.3	14.2
50°-60°	847.0	13.1
60°-70°	672.8	10.4
70°-80°	415.2	6.4
80°-90°	226.1	3.5
90°-100°	114.3	1.8
100°-110°	71.8	1.1
110°-120°	60.8	0.9
120°-130°	49.7	0.8
130°-140°	35.6	0.6
140°-150°	22.0	0.3
150°-160°	10.4	0.2
160°-170°	2.7	0.0
170°-180°	0.0	0.0
0°-30°	2011.4	31.1
0°-40°	3014.2	46.7
0°-60°	4778.5	74.0
0°-90°	6092.6	94.3
90°-120°	246.9	3.8
90°-150°	354.2	5.5
90°-180°	367.0	5.7
0°-180°	6460.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2515	2515	2515	2515	2515	
5°	2543	2504	2508	2495	2496	242
15°	2489	2456	2552	2646	2678	704
25°	2401	2448	2495	2112	1939	1110
35°	2284	2248	1515	1043	907	1432
45°	2097	1463	739	943	1136	1612
55°	1613	750	837	901	964	1421
65°	778	486	652	793	812	787
75°	229	259	391	518	552	260
85°	32	110	222	302	306	41
90°	1	82	198	235	217	2
95°	0	77	137	121	115	0
105°	0	69	85	77	76	0
115°	0	57	81	72	69	1
125°	1	46	72	70	67	1
135°	1	32	58	64	61	1
145°	1	20	40	51	54	1
155°	2	12	24	32	39	1
165°	2	7	12	16	21	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°	2514.8	2514.8	2514.8	2514.8	2514.8
2.5°	2546.0	2509.3	2513.7	2505.9	2492.6
5°	2542.6	2503.7	2508.1	2494.8	2495.9
7.5°	2533.7	2493.7	2499.2	2497.0	2502.6
10°	2523.7	2481.4	2502.6	2521.5	2538.2
12.5°	2505.9	2468.1	2519.3	2574.9	2609.4
15°	2489.2	2455.8	2551.6	2646.2	2678.5
17.5°	2472.5	2451.4	2591.6	2674.0	2669.6
20°	2451.4	2449.1	2621.7	2593.9	2525.9
22.5°	2428.0	2450.2	2598.3	2394.6	2261.0
25°	2401.3	2448.0	2494.8	2111.8	1939.3
27.5°	2374.5	2438.0	2306.6	1802.3	1632.0
30°	2347.8	2411.3	2052.8	1519.6	1364.8
32.5°	2316.7	2353.4	1776.7	1269.1	1126.6
35°	2284.4	2247.6	1515.1	1043.1	907.3
37.5°	2251.0	2095.1	1280.2	845.0	758.1
40°	2210.9	1903.6	1064.3	724.7	748.1
42.5°	2160.8	1687.7	873.9	760.3	922.9
45°	2097.4	1462.8	739.2	942.9	1135.5
47.5°	2017.2	1246.8	705.8	1079.8	1140.0
50°	1920.3	1048.7	775.9	1035.3	1030.9
52.5°	1773.4	883.9	847.2	944.0	979.7
55°	1613.1	750.3	837.2	900.6	964.1
57.5°	1410.5	660.2	768.1	891.7	965.2
60°	1209.0	600.0	709.1	890.6	959.6
62.5°	986.3	545.5	679.1	869.4	910.6
65°	778.2	486.5	652.4	792.6	811.6
67.5°	596.7	426.4	605.6	706.9	744.8
70°	449.8	367.4	532.1	641.2	688.0
72.5°	324.0	311.7	456.4	583.3	632.3
75°	229.3	259.4	390.7	517.7	552.2
77.5°	158.1	211.5	335.1	445.3	473.1
80°	103.5	169.2	285.0	383.0	401.9
82.5°	62.3	135.8	247.1	335.1	345.1
85°	32.3	110.2	221.5	301.7	306.1
87.5°	10.0	92.4	207.1	286.1	291.7
90°	1.1	82.4	198.2	234.9	217.1
92.5°	0.0	77.9	171.4	160.3	143.6
95°	0.0	76.8	136.9	121.3	114.7
97.5°	0.0	74.6	112.4	101.3	98.0
100°	0.0	72.4	96.9	89.1	87.9
102.5°	0.0	71.2	87.9	81.3	80.2
105°	0.0	69.0	84.6	76.8	75.7
107.5°	0.0	65.7	82.4	74.6	72.4
110°	0.0	62.3	82.4	73.5	70.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	59.0	82.4	72.4	69.0
115°	0.0	56.8	81.3	72.4	69.0
117.5°	1.1	54.5	80.2	72.4	69.0
120°	0.0	52.3	77.9	72.4	67.9
122.5°	1.1	49.0	75.7	71.2	67.9
125°	1.1	45.6	72.4	70.1	66.8
127.5°	1.1	42.3	69.0	67.9	64.6
130°	1.1	39.0	65.7	66.8	63.5
132.5°	1.1	35.6	61.2	64.6	62.3
135°	1.1	32.3	57.9	63.5	61.2
137.5°	1.1	28.9	53.4	60.1	60.1
140°	1.1	25.6	49.0	57.9	59.0
142.5°	1.1	23.4	44.5	55.7	56.8
145°	1.1	20.0	40.1	51.2	54.5
147.5°	1.1	17.8	35.6	46.8	51.2
150°	1.1	15.6	31.2	42.3	46.8
152.5°	1.1	13.4	27.8	36.7	43.4
155°	2.2	12.2	24.5	32.3	39.0
157.5°	2.2	10.0	20.0	27.8	33.4
160°	2.2	8.9	17.8	23.4	30.1
162.5°	2.2	7.8	14.5	20.0	25.6
165°	2.2	6.7	12.2	15.6	21.2
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)