

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

**Summary**

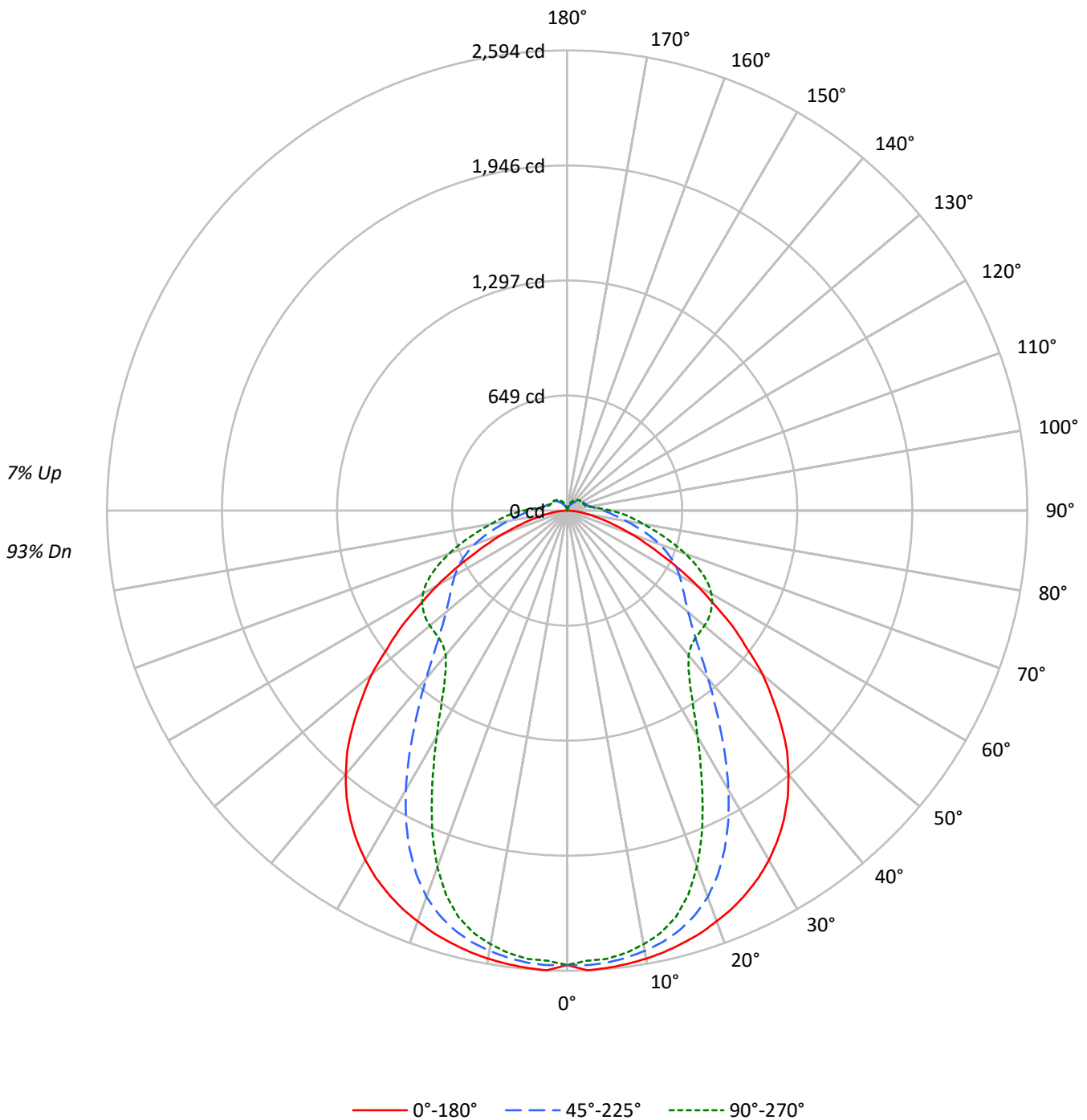
Lumens per Lamp: N/A  
Luminaire Lumens: 6442.0 lumens  
Efficiency: N/A  
Efficacy: 128.8 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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°	10350	10350	10350
5°	10484	10131	9963
10°	10494	9860	9553
15°	10513	9538	9008
20°	10533	9055	8090
25°	10554	8305	6851
30°	10522	7314	5635
35°	10391	6229	4722
40°	10108	5281	4269
45°	9596	4595	4236
50°	8890	4206	4385
55°	7855	4048	4539
60°	6657	3997	4601
65°	5386	3916	4458
70°	4363	3722	4111
75°	3334	3378	3648
80°	2522	3046	3245
85°	1794	2891	2985



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	242.4	3.8
10°-20°	685.0	10.6
20°-30°	957.5	14.9
30°-40°	993.2	15.4
40°-50°	917.6	14.2
50°-60°	819.2	12.7
60°-70°	663.9	10.3
70°-80°	441.6	6.9
80°-90°	252.9	3.9
90°-100°	139.9	2.2
100°-110°	94.7	1.5
110°-120°	78.9	1.2
120°-130°	64.1	1.0
130°-140°	46.2	0.7
140°-150°	27.9	0.4
150°-160°	13.4	0.2
160°-170°	3.5	0.1
170°-180°	0.0	0.0
0°-30°	1884.9	29.3
0°-40°	2878.1	44.7
0°-60°	4614.9	71.6
0°-90°	5973.3	92.7
90°-120°	313.5	4.9
90°-150°	451.8	7.0
90°-180°	469.0	7.3
0°-180°	6442.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2562	2562	2562	2562	2562	
5°	2588	2545	2558	2540	2537	246
15°	2524	2470	2449	2394	2370	713
25°	2385	2279	2103	1882	1806	1099
35°	2130	1896	1507	1266	1209	1329
45°	1706	1352	1026	990	1020	1311
55°	1140	862	802	932	990	1014
65°	582	521	652	799	842	589
75°	226	283	440	539	561	248
85°	46	131	259	332	341	52
90°	2	92	205	247	245	3
95°	2	78	162	174	168	2
105°	1	68	117	114	108	1
115°	1	61	104	102	99	1
125°	1	52	91	96	94	1
135°	2	39	72	85	85	2
145°	2	24	50	66	70	1
155°	2	16	31	41	50	1
165°	2	9	16	20	27	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°	2561.6	2561.6	2561.6	2561.6	2561.6
2.5°	2593.9	2551.6	2564.9	2553.8	2539.3
5°	2588.3	2544.9	2558.3	2540.4	2537.1
7.5°	2578.3	2534.9	2542.7	2521.5	2516.0
10°	2564.9	2519.3	2520.4	2490.3	2482.6
12.5°	2547.1	2497.0	2490.3	2449.2	2438.0
15°	2523.7	2470.3	2449.2	2393.5	2370.1
17.5°	2498.1	2435.8	2392.4	2306.7	2269.9
20°	2463.6	2393.5	2317.8	2187.5	2138.6
22.5°	2429.1	2342.3	2220.9	2047.3	1981.6
25°	2384.6	2278.8	2102.9	1882.5	1805.7
27.5°	2334.5	2204.2	1967.1	1713.3	1630.9
30°	2275.5	2114.1	1817.9	1547.4	1469.5
32.5°	2206.5	2012.8	1661.0	1398.2	1325.9
35°	2129.7	1895.9	1507.3	1265.8	1209.0
37.5°	2041.7	1767.8	1364.8	1158.9	1122.2
40°	1941.5	1628.7	1233.5	1076.5	1064.3
42.5°	1833.5	1492.9	1121.0	1023.1	1034.2
45°	1705.5	1351.5	1026.4	989.7	1019.7
47.5°	1570.8	1213.4	949.6	970.8	1014.2
50°	1440.6	1085.4	889.5	958.5	1009.7
52.5°	1279.1	970.8	841.6	947.4	1003.0
55°	1140.0	861.7	801.5	931.8	989.7
57.5°	979.7	763.7	765.9	911.8	969.6
60°	846.1	674.6	731.4	883.9	939.6
62.5°	710.3	594.5	693.6	847.2	897.3
65°	582.2	521.0	652.4	799.3	841.6
67.5°	475.4	454.2	605.6	741.4	777.1
70°	385.2	393.0	554.4	676.9	706.9
72.5°	296.1	336.2	498.7	607.8	633.4
75°	226.0	282.8	439.7	538.8	561.1
77.5°	167.0	236.0	386.3	476.5	495.4
80°	118.0	194.8	336.2	421.9	436.4
82.5°	79.0	160.3	295.0	372.9	386.3
85°	45.6	131.4	259.4	331.7	340.7
87.5°	18.9	109.1	230.4	289.4	293.9
90°	2.2	92.4	204.8	247.1	244.9
92.5°	2.2	83.5	182.6	207.1	201.5
95°	2.2	77.9	162.5	173.7	168.1
97.5°	2.2	74.6	144.7	149.2	143.6
100°	1.1	72.4	132.5	132.5	126.9
102.5°	1.1	70.1	123.6	120.2	115.8
105°	1.1	67.9	116.9	113.6	108.0
107.5°	1.1	66.8	112.4	109.1	103.5
110°	1.1	64.6	109.1	105.8	101.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	63.5	106.9	104.6	99.1
115°	1.1	61.2	103.5	102.4	99.1
117.5°	1.1	59.0	101.3	101.3	98.0
120°	1.1	56.8	98.0	100.2	96.9
122.5°	1.1	54.5	94.6	98.0	94.6
125°	1.1	52.3	91.3	95.7	93.5
127.5°	2.2	49.0	86.8	93.5	91.3
130°	1.1	45.6	82.4	91.3	90.2
132.5°	2.2	42.3	77.9	87.9	87.9
135°	2.2	39.0	72.4	84.6	84.6
137.5°	2.2	34.5	66.8	80.2	81.3
140°	2.2	31.2	61.2	75.7	77.9
142.5°	2.2	27.8	55.7	71.2	74.6
145°	2.2	24.5	50.1	65.7	70.1
147.5°	2.2	22.3	44.5	59.0	65.7
150°	2.2	18.9	40.1	53.4	60.1
152.5°	2.2	16.7	35.6	47.9	55.7
155°	2.2	15.6	31.2	41.2	50.1
157.5°	2.2	13.4	26.7	35.6	44.5
160°	2.2	11.1	22.3	31.2	37.9
162.5°	2.2	10.0	18.9	25.6	33.4
165°	2.2	8.9	15.6	20.0	26.7
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)