

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: P290375

Luminaire Tested: **4SSRK-SLN-60-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290375  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-15)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SSRK-SLN-60-L950-CD1-U  
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE NARROW LENS AND 90 CRI 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

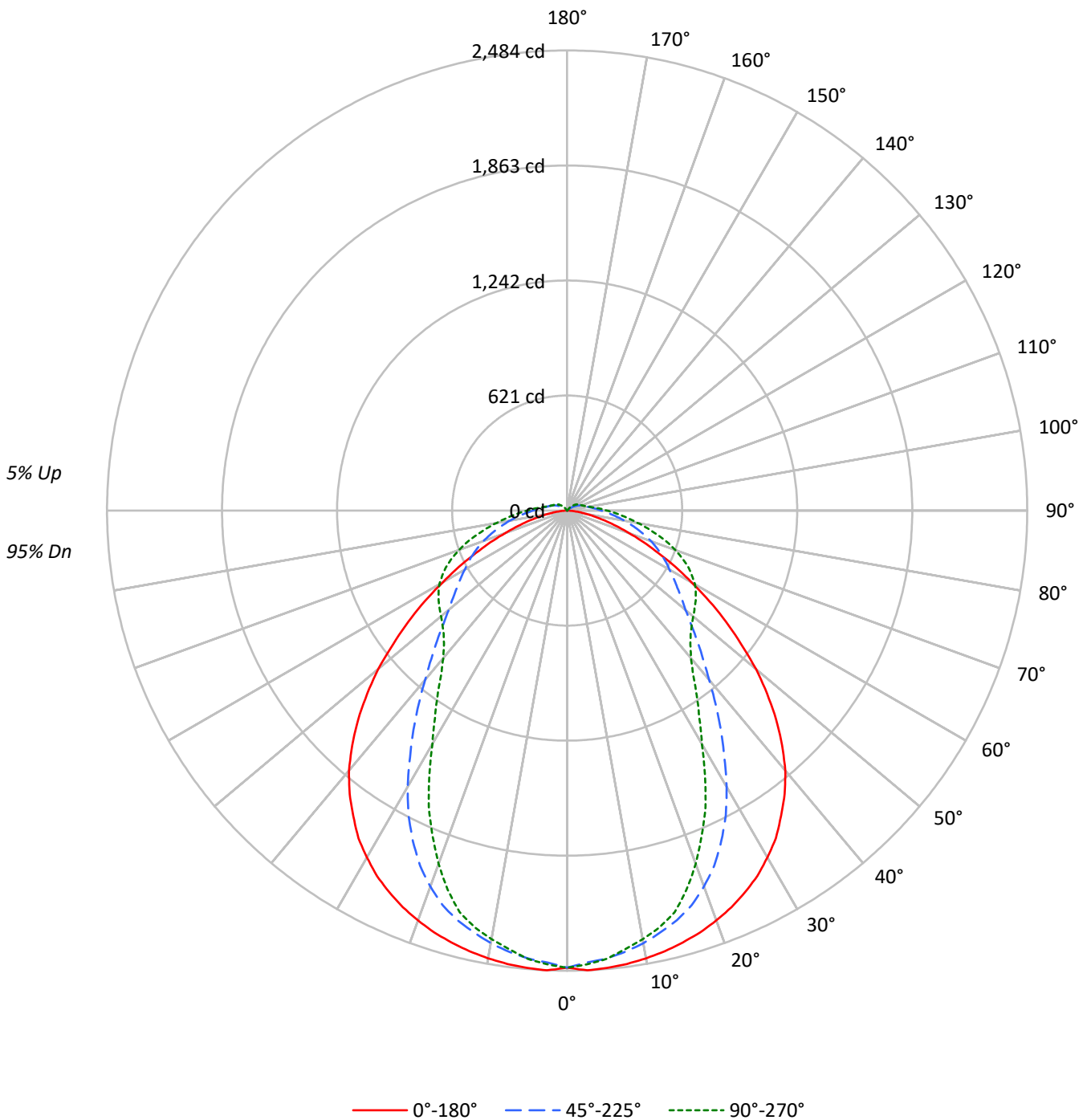
Lumens per Lamp: N/A  
Luminaire Lumens: 5841.1 lumens  
Efficiency: N/A  
Efficacy: 130.4 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 0.98 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 44.8  
Input Voltage (V): NR  
Input 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



TEST NUMBER: P290375

CATALOG NUMBER: 4SSRK-SLN-60-L950-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P290375

CATALOG NUMBER: 4SSRK-SLN-60-L950-CD1-U

**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	115	115	115	115	108	108	108	103	103	103	98	98	98	95
1	107	102	98	94	104	100	96	92	94	91	88	90	87	85	85	83	81	79
2	98	90	83	77	95	87	81	76	83	78	73	79	75	71	75	72	69	66
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	63	59	56
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49
5	76	64	55	48	74	62	54	48	60	52	47	57	51	46	55	49	45	43
6	71	58	49	43	68	56	48	42	54	47	42	52	46	41	50	45	40	38
7	66	53	44	38	64	52	44	38	50	42	37	48	41	37	46	40	36	34
8	61	48	40	34	60	47	40	34	46	39	34	44	38	33	43	37	33	31
9	57	44	37	31	56	44	36	31	42	35	31	41	35	30	40	34	30	28
10	54	41	34	28	53	41	33	28	39	33	28	38	32	28	37	31	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	159339	159339	159339
5°	160064	125886	116669
10°	159777	103402	90337
15°	159568	86674	72412
20°	159402	72744	56787
25°	158872	60153	43956
30°	157405	48465	32801
35°	154208	38009	25294
40°	149241	29552	20125
45°	139938	23469	17220
50°	127384	19021	15483
55°	111236	16089	14218
60°	93486	13859	12985
65°	76201	12037	11510
70°	60369	10250	9768
75°	45608	8458	7886
80°	31858	6782	6093
85°	18622	5302	4634



TEST NUMBER: P290375

CATALOG NUMBER: 4SSRK-SLN-60-L950-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.7	4.0
10°-20°	649.4	11.1
20°-30°	913.2	15.6
30°-40°	956.3	16.4
40°-50°	865.8	14.8
50°-60°	736.9	12.6
60°-70°	582.7	10.0
70°-80°	396.7	6.8
80°-90°	226.4	3.9
90°-100°	125.6	2.1
100°-110°	76.7	1.3
110°-120°	46.6	0.8
120°-130°	25.3	0.4
130°-140°	7.6	0.1
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1794.3	30.7
0°-40°	2750.6	47.1
0°-60°	4353.3	74.5
0°-90°	5559.1	95.2
90°-120°	248.9	4.3
90°-150°	282.0	4.8
90°-180°	282.0	4.8
0°-180°	5841.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2467	2467	2467	2467	2467	
5°	2478	2462	2427	2438	2429	236
15°	2413	2367	2289	2265	2244	682
25°	2273	2160	1969	1817	1767	1047
35°	2013	1786	1447	1266	1219	1258
45°	1596	1267	991	939	943	1226
55°	1047	799	726	810	848	936
65°	543	472	562	686	721	547
75°	211	257	395	486	503	230
85°	37	122	241	288	292	45
90°	1	85	184	215	215	2
95°	1	66	145	161	159	1
105°	1	40	97	101	97	1
115°	1	5	66	76	74	1
125°	1	1	30	53	56	1
135°	1	1	1	22	28	1
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P290375

CATALOG NUMBER: 4SSRK-SLN-60-L950-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2467.2	2467.2	2467.2	2467.2	2467.2
2.5°	2484.0	2470.5	2442.2	2460.4	2452.3
5°	2478.0	2462.4	2427.3	2438.1	2429.4
7.5°	2468.5	2447.6	2402.4	2405.7	2388.9
10°	2454.3	2427.3	2371.3	2365.3	2349.1
12.5°	2436.1	2399.0	2331.5	2323.4	2304.5
15°	2413.2	2367.3	2289.0	2265.4	2243.8
17.5°	2387.5	2329.5	2234.3	2181.7	2144.6
20°	2354.5	2280.9	2159.4	2083.2	2029.2
22.5°	2317.3	2228.3	2075.1	1960.4	1899.0
25°	2272.8	2160.1	1969.1	1816.6	1767.4
27.5°	2223.5	2089.3	1853.7	1675.6	1610.1
30°	2161.5	1999.5	1722.2	1531.2	1455.6
32.5°	2096.7	1903.0	1579.1	1386.8	1328.1
35°	2013.0	1786.3	1446.8	1266.0	1219.4
37.5°	1928.6	1661.4	1315.2	1158.0	1116.8
40°	1832.1	1535.2	1191.1	1068.9	1039.9
42.5°	1717.4	1407.0	1085.8	994.0	983.9
45°	1596.0	1267.3	991.3	939.4	942.7
47.5°	1463.7	1140.5	905.6	895.5	912.4
50°	1330.8	1022.4	834.1	862.4	888.7
52.5°	1183.0	908.3	777.4	835.4	867.1
55°	1046.7	799.0	726.1	809.8	847.6
57.5°	911.0	705.9	681.6	783.5	823.3
60°	776.0	620.8	638.4	755.1	797.0
62.5°	658.6	539.9	600.6	723.4	759.9
65°	543.2	471.7	561.5	685.6	721.4
67.5°	447.4	411.0	522.3	640.4	672.8
70°	356.3	353.6	480.5	590.5	620.2
72.5°	278.0	301.6	436.6	538.5	566.9
75°	211.2	257.1	395.4	485.9	503.4
77.5°	154.5	215.3	353.6	432.6	444.7
80°	105.9	178.8	313.8	379.3	388.0
82.5°	66.8	147.8	275.3	331.3	337.4
85°	37.1	122.1	240.9	288.1	292.2
87.5°	14.2	100.5	209.9	250.4	253.7
90°	0.7	85.0	184.2	214.6	214.6
92.5°	0.7	74.2	163.3	186.3	187.6
95°	1.3	65.5	145.1	160.6	159.3
97.5°	1.3	59.4	128.2	141.0	137.0
100°	1.3	54.0	115.4	124.2	120.1
102.5°	1.3	47.9	105.3	110.7	105.9
105°	1.3	39.8	97.2	101.2	97.2
107.5°	1.3	31.7	88.4	93.8	89.8
110°	1.3	23.6	80.3	87.1	83.7



TEST NUMBER: P290375

CATALOG NUMBER: 4SSRK-SLN-60-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	14.8	72.9	81.0	79.0
115°	1.3	5.4	65.5	76.3	74.2
117.5°	0.7	2.7	56.0	70.9	70.2
120°	0.7	2.0	47.2	66.1	66.1
122.5°	0.7	2.0	39.1	59.4	62.1
125°	0.7	1.3	29.7	52.6	56.0
127.5°	0.7	1.3	20.9	45.9	49.9
130°	0.7	1.3	10.8	37.8	43.2
132.5°	0.7	1.3	1.3	29.7	35.8
135°	1.3	1.3	1.3	21.6	28.3
137.5°	1.3	1.3	1.3	11.5	20.2
140°	1.3	1.3	0.7	0.7	9.4
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
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)