

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: P290407

Luminaire Tested: **8SSRK-SLN-60-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290407  
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: 8SSRK-SLN-60-L950-CD1-U  
Description: 6000 LUMEN, 8 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: 5793.0 lumens  
Efficiency: N/A  
Efficacy: 140.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 0.98 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Direct

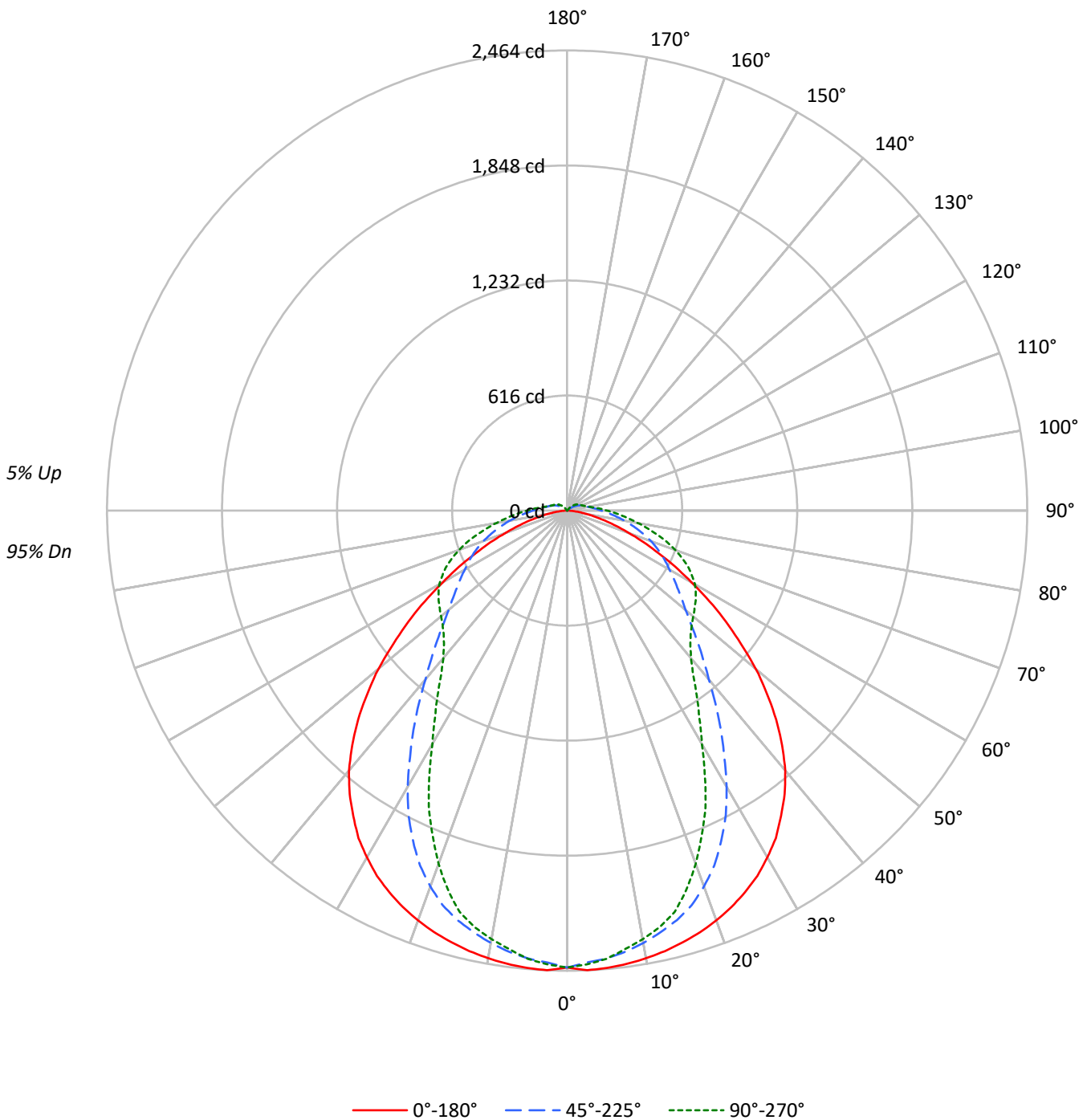
Input Watts (W): 41.3831  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P290407

CATALOG NUMBER: 8SSRK-SLN-60-L950-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P290407

CATALOG NUMBER: 8SSRK-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	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°	79011	79011	79011
5°	79518	62491	57854
10°	79521	51364	44796
15°	79565	43077	35908
20°	79639	36169	28160
25°	79540	29917	21797
30°	78982	24110	16265
35°	77568	18913	12543
40°	75281	14708	9979
45°	70807	11683	8540
50°	64696	9470	7678
55°	56749	8011	7050
60°	47978	6901	6439
65°	39408	5995	5707
70°	31559	5106	4844
75°	24253	4214	3911
80°	17479	3379	3021
85°	11012	2642	2298



TEST NUMBER: P290407

CATALOG NUMBER: 8SSRK-SLN-60-L950-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.8	4.0
10°-20°	644.1	11.1
20°-30°	905.7	15.6
30°-40°	948.4	16.4
40°-50°	858.7	14.8
50°-60°	730.8	12.6
60°-70°	577.9	10.0
70°-80°	393.5	6.8
80°-90°	224.5	3.9
90°-100°	124.5	2.1
100°-110°	76.1	1.3
110°-120°	46.2	0.8
120°-130°	25.1	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°	1779.5	30.7
0°-40°	2728.0	47.1
0°-60°	4317.5	74.5
0°-90°	5513.3	95.2
90°-120°	246.8	4.3
90°-150°	279.6	4.8
90°-180°	280.0	4.8
0°-180°	5793.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2447	2447	2447	2447	2447	
5°	2458	2442	2407	2418	2409	234
15°	2393	2348	2270	2247	2225	676
25°	2254	2142	1953	1802	1753	1039
35°	1996	1772	1435	1256	1209	1248
45°	1583	1257	983	932	935	1216
55°	1038	792	720	803	841	928
65°	539	468	557	680	715	543
75°	210	255	392	482	499	229
85°	37	121	239	286	290	44
90°	1	84	183	213	213	2
95°	1	65	144	159	158	1
105°	1	40	96	100	96	1
115°	1	5	65	76	74	1
125°	1	1	29	52	56	1
135°	1	1	1	21	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: P290407

CATALOG NUMBER: 8SSRK-SLN-60-L950-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2446.8	2446.8	2446.8	2446.8	2446.8
2.5°	2463.6	2450.2	2422.1	2440.2	2432.1
5°	2457.6	2442.2	2407.4	2418.1	2409.4
7.5°	2448.2	2427.4	2382.6	2385.9	2369.2
10°	2434.1	2407.4	2351.8	2345.8	2329.7
12.5°	2416.1	2379.2	2312.3	2304.3	2285.6
15°	2393.3	2347.8	2270.2	2246.7	2225.3
17.5°	2367.9	2310.3	2215.9	2163.7	2126.9
20°	2335.1	2262.1	2141.7	2066.0	2012.5
22.5°	2298.3	2209.9	2058.0	1944.2	1883.3
25°	2254.1	2142.3	1952.9	1801.7	1752.8
27.5°	2205.2	2072.1	1838.5	1661.8	1596.9
30°	2143.7	1983.0	1708.0	1518.6	1443.6
32.5°	2079.4	1887.3	1566.1	1375.3	1317.1
35°	1996.4	1771.6	1434.9	1255.5	1209.4
37.5°	1912.8	1647.7	1304.4	1148.5	1107.6
40°	1817.1	1522.6	1181.3	1060.1	1031.3
42.5°	1703.3	1395.4	1076.9	985.8	975.8
45°	1582.8	1256.9	983.2	931.6	935.0
47.5°	1451.6	1131.1	898.2	888.1	904.9
50°	1319.8	1013.9	827.2	855.3	881.4
52.5°	1173.2	900.8	771.0	828.6	860.0
55°	1038.0	792.4	720.1	803.1	840.6
57.5°	903.5	700.1	676.0	777.0	816.5
60°	769.7	615.7	633.1	748.9	790.4
62.5°	653.2	535.4	595.6	717.5	753.6
65°	538.8	467.8	556.8	680.0	715.4
67.5°	443.7	407.6	518.0	635.1	667.3
70°	353.4	350.7	476.5	585.6	615.1
72.5°	275.7	299.2	433.0	534.1	562.2
75°	209.5	255.0	392.2	481.9	499.3
77.5°	153.3	213.5	350.7	429.0	441.0
80°	105.1	177.4	311.2	376.1	384.8
82.5°	66.3	146.6	273.1	328.6	334.6
85°	36.8	121.1	238.9	285.8	289.8
87.5°	14.1	99.7	208.1	248.3	251.6
90°	0.7	84.3	182.7	212.8	212.8
92.5°	0.7	73.6	162.0	184.7	186.1
95°	1.3	64.9	143.9	159.3	157.9
97.5°	1.3	58.9	127.2	139.9	135.9
100°	1.3	53.5	114.4	123.1	119.1
102.5°	1.3	47.5	104.4	109.8	105.1
105°	1.3	39.5	96.4	100.4	96.4
107.5°	1.3	31.5	87.7	93.0	89.0
110°	1.3	23.4	79.6	86.3	83.0



TEST NUMBER: P290407

CATALOG NUMBER: 8SSRK-SLN-60-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	14.7	72.3	80.3	78.3
115°	1.3	5.4	64.9	75.6	73.6
117.5°	0.7	2.7	55.5	70.3	69.6
120°	0.7	2.0	46.8	65.6	65.6
122.5°	0.7	2.0	38.8	58.9	61.6
125°	0.7	1.3	29.4	52.2	55.5
127.5°	0.7	1.3	20.7	45.5	49.5
130°	0.7	1.3	10.7	37.5	42.8
132.5°	0.7	1.3	1.3	29.4	35.5
135°	1.3	1.3	1.3	21.4	28.1
137.5°	1.3	1.3	1.3	11.4	20.1
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)