

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: P290461

Luminaire Tested: **4SSRK-SLW-60-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290461  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-17)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SSRK-SLW-60-L935-CD1-U  
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

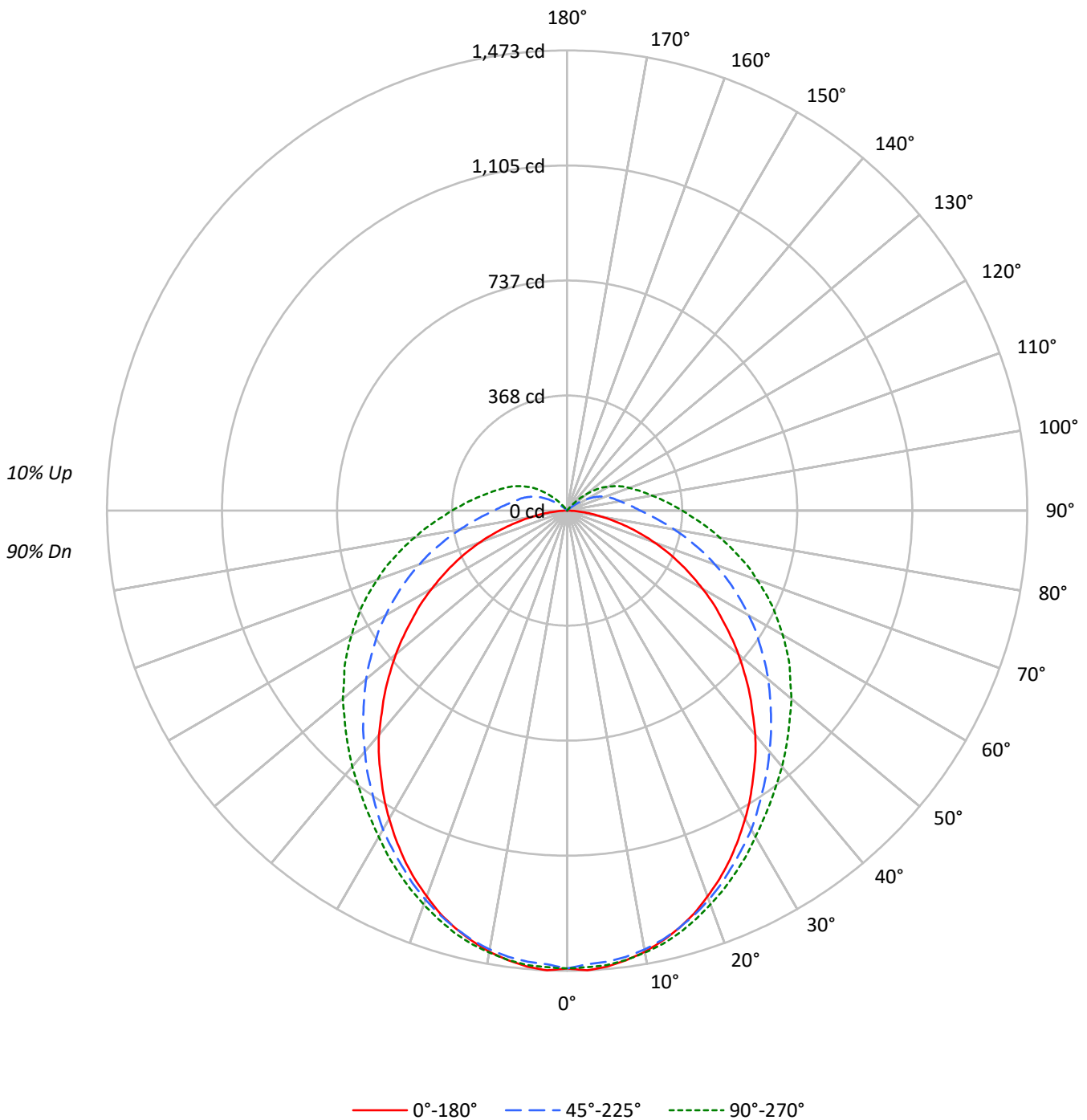
Lumens per Lamp: N/A  
Luminaire Lumens: 4967.5 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct

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: P290461  
CATALOG NUMBER: 4SSRK-SLW-60-L935-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P290461

CATALOG NUMBER: 4SSRK-SLW-60-L935-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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	104	99	94	89	101	96	91	87	89	86	82	84	81	78	79	76	74	71
2	94	85	78	71	91	82	76	70	77	72	67	72	68	64	68	64	61	58
3	86	74	66	59	82	72	64	58	68	61	55	63	58	53	60	55	51	48
4	78	66	56	49	75	64	55	49	60	53	47	56	50	45	53	48	43	41
5	72	59	49	42	69	57	48	42	54	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	43	37	33	31
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	21	20

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

	0°	45°	90°
0°	94653	94653	94653
5°	94669	75175	70143
10°	93355	62208	55242
15°	91468	52379	45120
20°	88959	44662	37550
25°	86188	38290	31772
30°	82981	33181	27169
35°	79571	28685	23575
40°	76343	24989	20713
45°	72363	21838	18296
50°	68516	19158	16328
55°	64295	16710	14590
60°	60224	14571	12991
65°	55636	12585	11569
70°	50101	10730	10182
75°	42887	9024	8926
80°	33693	7515	7781
85°	22036	6264	6780



TEST NUMBER: P290461

CATALOG NUMBER: 4SSRK-SLW-60-L935-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.5	2.8
10°-20°	391.7	7.9
20°-30°	579.5	11.7
30°-40°	684.4	13.8
40°-50°	711.4	14.3
50°-60°	670.8	13.5
60°-70°	571.8	11.5
70°-80°	432.4	8.7
80°-90°	291.8	5.9
90°-100°	200.3	4.0
100°-110°	143.6	2.9
110°-120°	92.2	1.9
120°-130°	47.0	0.9
130°-140°	11.9	0.2
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°	1109.7	22.3
0°-40°	1794.1	36.1
0°-60°	3176.3	63.9
0°-90°	4472.2	90.0
90°-120°	436.1	8.8
90°-150°	495.3	10.0
90°-180°	495.0	10.0
0°-180°	4967.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1466	1466	1466	1466	1466	
5°	1466	1462	1450	1463	1461	139
15°	1383	1388	1383	1397	1398	389
25°	1233	1247	1253	1275	1278	567
35°	1039	1064	1092	1125	1136	650
45°	825	866	922	979	1002	637
55°	605	668	754	835	870	543
65°	397	477	587	684	725	393
75°	199	295	422	530	570	212
85°	44	148	285	390	428	50
90°	1	105	234	333	369	3
95°	1	83	199	287	319	1
105°	1	53	151	217	242	1
115°	1	7	105	164	184	1
125°	1	2	44	102	122	1
135°	1	1	1	32	48	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: P290461

CATALOG NUMBER: 4SSRK-SLW-60-L935-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1465.6	1465.6	1465.6	1465.6	1465.6
2.5°	1473.0	1468.0	1453.8	1466.2	1463.1
5°	1465.6	1461.9	1449.5	1463.1	1460.6
7.5°	1451.3	1450.7	1440.8	1455.1	1450.7
10°	1434.0	1434.6	1426.6	1440.8	1436.5
12.5°	1410.5	1413.0	1407.4	1421.0	1420.4
15°	1383.3	1387.6	1383.3	1396.9	1398.1
17.5°	1352.4	1359.2	1356.1	1372.8	1370.9
20°	1314.0	1323.3	1325.8	1342.5	1341.8
22.5°	1275.6	1287.4	1291.7	1309.1	1311.5
25°	1233.0	1247.2	1253.4	1275.0	1277.5
27.5°	1186.6	1205.1	1216.3	1237.9	1243.5
30°	1139.5	1159.3	1179.1	1200.8	1205.7
32.5°	1090.7	1112.3	1135.2	1164.9	1170.5
35°	1038.7	1063.5	1091.9	1124.7	1136.5
37.5°	989.8	1017.7	1051.1	1089.4	1101.8
40°	937.2	965.7	1007.2	1050.5	1070.3
42.5°	878.5	916.8	966.3	1018.3	1035.6
45°	825.3	866.1	922.4	979.3	1001.6
47.5°	769.6	817.2	881.0	944.1	968.2
50°	715.8	767.7	840.1	908.2	937.2
52.5°	660.1	718.9	797.4	872.9	900.1
55°	605.0	667.5	754.1	835.2	869.8
57.5°	555.5	619.3	715.2	798.1	833.3
60°	499.9	573.5	671.2	760.3	797.4
62.5°	448.5	523.4	627.9	722.6	759.7
65°	396.6	477.0	587.1	684.2	725.1
67.5°	347.7	428.7	545.6	646.5	685.5
70°	295.7	383.6	503.0	606.9	646.5
72.5°	248.1	338.4	463.4	568.5	611.2
75°	198.6	295.1	421.9	529.6	569.8
77.5°	154.7	253.0	384.8	493.1	533.3
80°	112.0	214.7	347.7	456.6	495.5
82.5°	76.1	179.4	314.9	423.2	461.5
85°	43.9	147.9	284.6	389.7	427.5
87.5°	16.7	123.1	257.4	360.7	395.3
90°	0.6	104.6	233.8	333.4	368.7
92.5°	0.6	91.6	215.9	308.7	341.5
95°	0.6	82.9	199.2	287.1	319.2
97.5°	1.2	76.1	184.4	267.9	296.3
100°	1.2	69.3	172.0	249.3	276.5
102.5°	1.2	62.5	160.8	232.6	258.0
105°	1.2	53.2	150.9	217.1	241.9
107.5°	1.2	41.4	139.8	204.2	225.8
110°	1.2	30.3	128.1	191.2	212.2



TEST NUMBER: P290461

CATALOG NUMBER: 4SSRK-SLW-60-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	18.6	117.5	178.2	198.6
115°	1.2	6.8	104.6	163.9	184.4
117.5°	1.2	2.5	89.1	150.3	168.3
120°	1.2	1.9	74.2	135.5	153.4
122.5°	1.2	1.9	58.8	119.4	138.6
125°	1.2	1.9	43.9	102.1	122.5
127.5°	1.2	1.2	28.5	84.1	102.7
130°	1.2	1.2	13.6	66.8	84.8
132.5°	1.2	1.2	0.6	48.9	66.2
135°	1.2	0.6	0.6	32.2	47.6
137.5°	1.2	0.6	0.0	15.5	30.9
140°	1.2	0.6	0.0	0.0	12.4
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)