

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: P290460

Luminaire Tested: **4SSRK-SLW-60-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290460
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-L930-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4679.7 lumens
Efficiency: N/A
Efficacy: 104.5 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

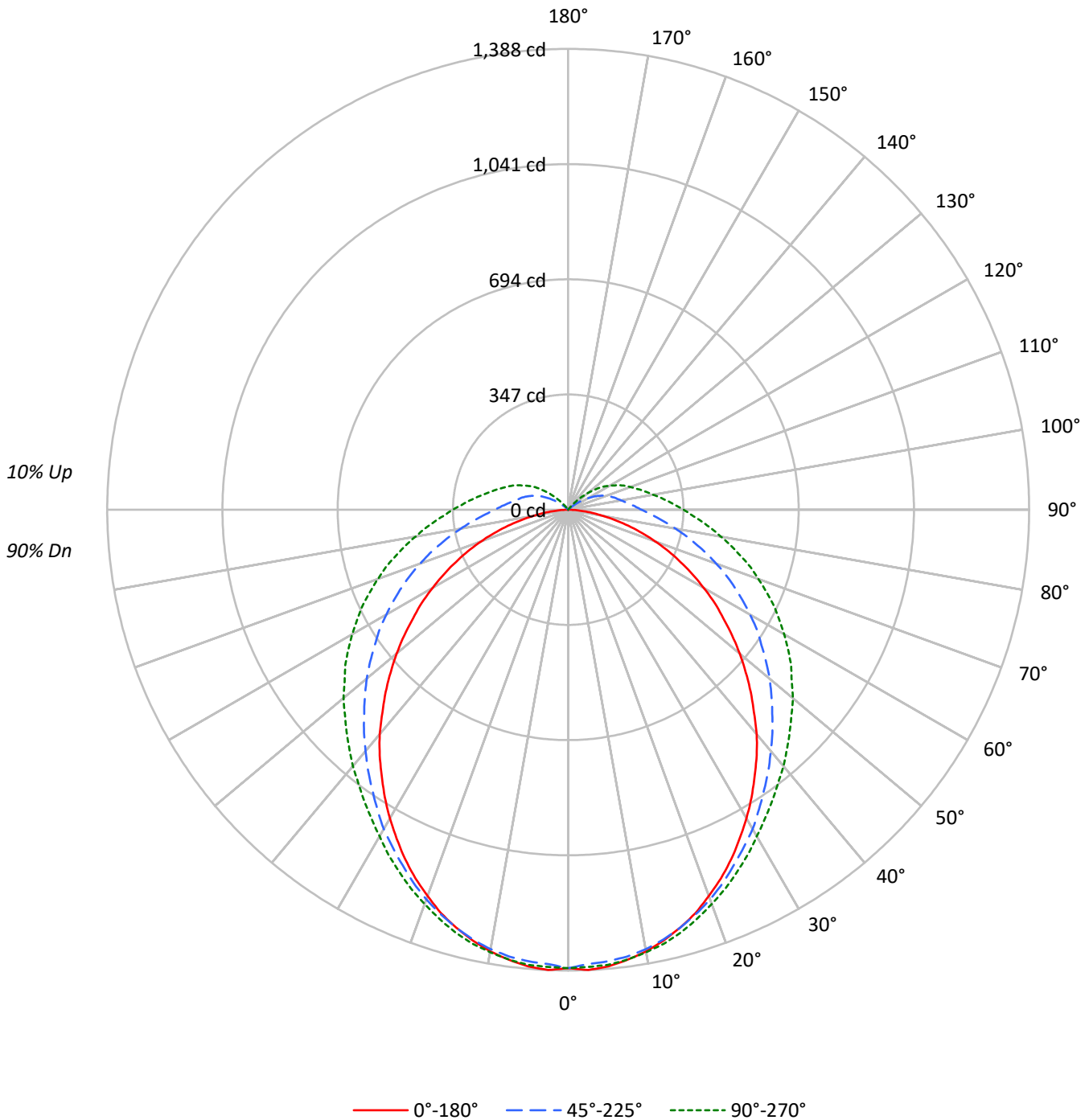
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P290460

CATALOG NUMBER: 4SSRK-SLW-60-L930-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P290460

CATALOG NUMBER: 4SSRK-SLW-60-L930-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°	89170	89170	89170
5°	89185	70818	66081
10°	87951	58606	52043
15°	86171	49346	42509
20°	83807	42075	35376
25°	81197	36072	29932
30°	78175	31259	25596
35°	74959	27025	22208
40°	71928	23540	19513
45°	68172	20573	17237
50°	64544	18050	15384
55°	60576	15744	13745
60°	56730	13729	12239
65°	52409	11857	10899
70°	47204	10107	9591
75°	40404	8503	8409
80°	31738	7078	7330
85°	20781	5901	6387



TEST NUMBER: P290460

CATALOG NUMBER: 4SSRK-SLW-60-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.5	2.8
10°-20°	369.0	7.9
20°-30°	545.9	11.7
30°-40°	644.7	13.8
40°-50°	670.2	14.3
50°-60°	631.9	13.5
60°-70°	538.6	11.5
70°-80°	407.4	8.7
80°-90°	274.9	5.9
90°-100°	188.7	4.0
100°-110°	135.3	2.9
110°-120°	86.8	1.9
120°-130°	44.3	0.9
130°-140°	11.3	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°	1045.4	22.3
0°-40°	1690.1	36.1
0°-60°	2992.3	63.9
0°-90°	4213.1	90.0
90°-120°	410.9	8.8
90°-150°	466.6	10.0
90°-180°	467.0	10.0
0°-180°	4679.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1381	1381	1381	1381	1381	
5°	1381	1377	1366	1378	1376	131
15°	1303	1307	1303	1316	1317	367
25°	1162	1175	1181	1201	1204	534
35°	978	1002	1029	1060	1071	613
45°	778	816	869	923	944	600
55°	570	629	710	787	819	511
65°	374	449	553	645	683	371
75°	187	278	398	499	537	200
85°	41	139	268	367	403	47
90°	1	98	220	314	347	2
95°	1	78	188	270	301	1
105°	1	50	142	205	228	1
115°	1	6	98	154	174	1
125°	1	2	41	96	115	1
135°	1	1	1	30	45	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: P290460

CATALOG NUMBER: 4SSRK-SLW-60-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1380.7	1380.7	1380.7	1380.7	1380.7
2.5°	1387.7	1383.0	1369.6	1381.3	1378.4
5°	1380.7	1377.2	1365.5	1378.4	1376.0
7.5°	1367.3	1366.7	1357.4	1370.8	1366.7
10°	1351.0	1351.5	1344.0	1357.4	1353.3
12.5°	1328.8	1331.1	1325.9	1338.7	1338.1
15°	1303.2	1307.3	1303.2	1316.0	1317.2
17.5°	1274.0	1280.4	1277.5	1293.3	1291.5
20°	1237.9	1246.6	1249.0	1264.7	1264.1
22.5°	1201.8	1212.8	1216.9	1233.2	1235.6
25°	1161.6	1175.0	1180.8	1201.2	1203.5
27.5°	1117.8	1135.3	1145.8	1166.2	1171.5
30°	1073.5	1092.2	1110.8	1131.2	1135.9
32.5°	1027.5	1047.9	1069.5	1097.4	1102.7
35°	978.5	1001.9	1028.7	1059.6	1070.6
37.5°	932.5	958.7	990.2	1026.3	1038.0
40°	883.0	909.8	948.8	989.6	1008.3
42.5°	827.6	863.7	910.4	959.3	975.6
45°	777.5	815.9	869.0	922.6	943.6
47.5°	725.0	769.9	829.9	889.4	912.1
50°	674.3	723.3	791.5	855.6	883.0
52.5°	621.9	677.2	751.2	822.4	848.0
55°	570.0	628.9	710.5	786.8	819.4
57.5°	523.4	583.4	673.7	751.8	785.1
60°	470.9	540.3	632.4	716.3	751.2
62.5°	422.5	493.1	591.6	680.7	715.7
65°	373.6	449.4	553.1	644.6	683.1
67.5°	327.5	403.9	514.0	609.0	645.8
70°	278.6	361.3	473.8	571.7	609.0
72.5°	233.7	318.8	436.5	535.6	575.8
75°	187.1	278.0	397.5	498.9	536.8
77.5°	145.7	238.4	362.5	464.5	502.4
80°	105.5	202.2	327.5	430.1	466.8
82.5°	71.7	169.0	296.7	398.6	434.8
85°	41.4	139.3	268.1	367.2	402.7
87.5°	15.7	116.0	242.5	339.8	372.4
90°	0.6	98.5	220.3	314.1	347.4
92.5°	0.6	86.3	203.4	290.8	321.7
95°	0.6	78.1	187.7	270.4	300.7
97.5°	1.2	71.7	173.7	252.4	279.2
100°	1.2	65.3	162.0	234.9	260.5
102.5°	1.2	58.9	151.5	219.1	243.0
105°	1.2	50.1	142.2	204.6	227.9
107.5°	1.2	39.0	131.7	192.3	212.7
110°	1.2	28.6	120.6	180.1	199.9



TEST NUMBER: P290460

CATALOG NUMBER: 4SSRK-SLW-60-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	17.5	110.7	167.9	187.1
115°	1.2	6.4	98.5	154.4	173.7
117.5°	1.2	2.3	83.9	141.6	158.5
120°	1.2	1.7	69.9	127.6	144.5
122.5°	1.2	1.7	55.4	112.5	130.6
125°	1.2	1.7	41.4	96.2	115.4
127.5°	1.2	1.2	26.8	79.3	96.7
130°	1.2	1.2	12.8	62.9	79.8
132.5°	1.2	1.2	0.6	46.0	62.4
135°	1.2	0.6	0.6	30.3	44.9
137.5°	1.2	0.6	0.0	14.6	29.1
140°	1.2	0.6	0.0	0.0	11.7
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)