

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: P290364

Luminaire Tested: **4SSRK-SLN-40-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290364
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-40-L930-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE NARROW LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3327.1 lumens
Efficiency: N/A
Efficacy: 120.1 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

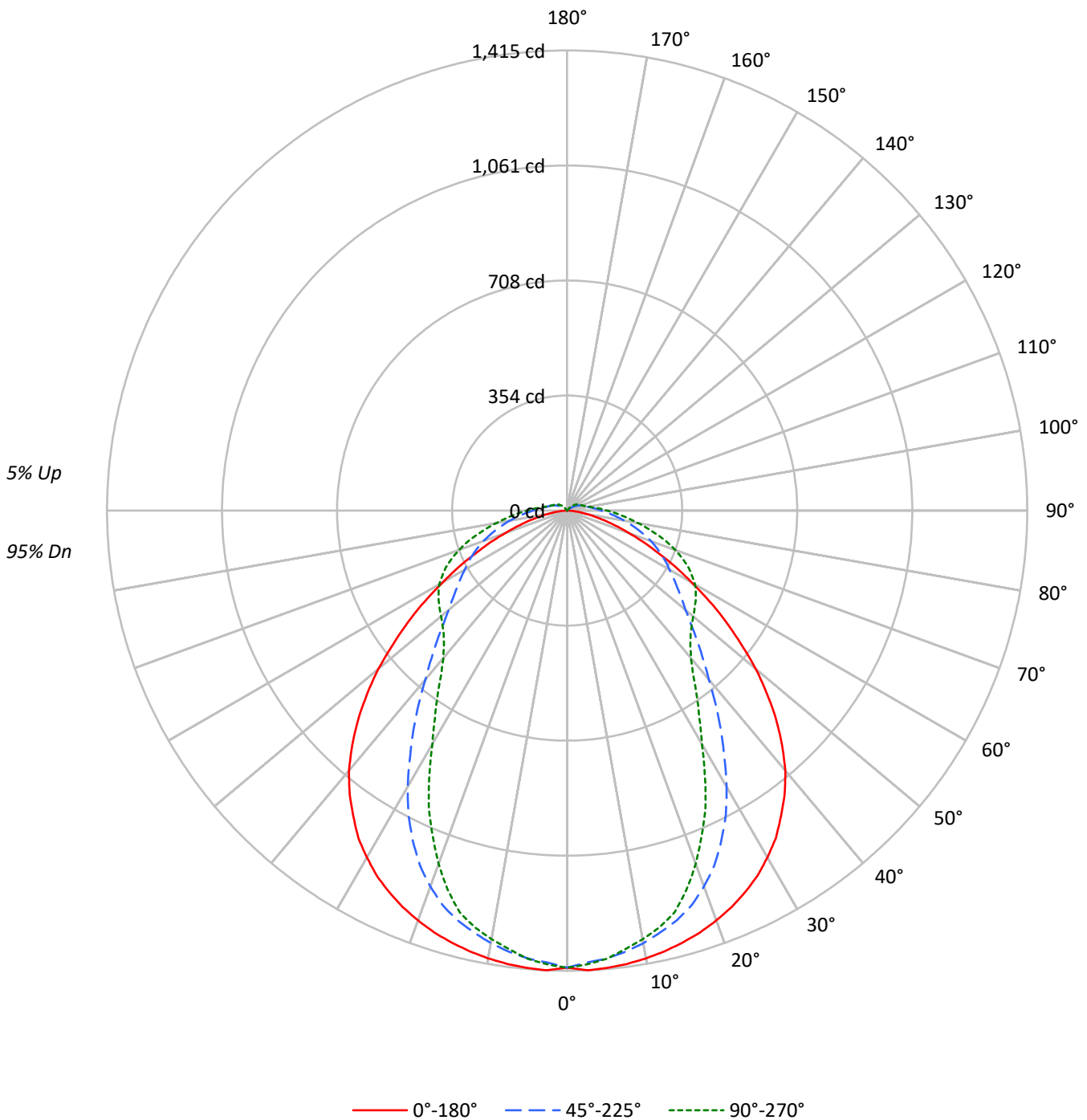
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P290364

CATALOG NUMBER: 4SSRK-SLN-40-L930-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P290364

CATALOG NUMBER: 4SSRK-SLN-40-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	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°	90758	90758	90758
5°	91175	71705	66455
10°	91011	58898	51454
15°	90893	49369	41247
20°	90794	41435	32345
25°	90494	34263	25037
30°	89659	27604	18683
35°	87837	21650	14408
40°	85011	16831	11463
45°	79711	13369	9809
50°	72556	10834	8819
55°	63360	9165	8099
60°	53248	7893	7397
65°	43403	6855	6556
70°	34395	5839	5563
75°	25979	4817	4493
80°	18140	3862	3470
85°	10591	3020	2639



TEST NUMBER: P290364

CATALOG NUMBER: 4SSRK-SLN-40-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.0	4.0
10°-20°	369.9	11.1
20°-30°	520.2	15.6
30°-40°	544.7	16.4
40°-50°	493.2	14.8
50°-60°	419.7	12.6
60°-70°	331.9	10.0
70°-80°	226.0	6.8
80°-90°	128.9	3.9
90°-100°	71.5	2.1
100°-110°	43.7	1.3
110°-120°	26.6	0.8
120°-130°	14.4	0.4
130°-140°	4.4	0.1
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1022.0	30.7
0°-40°	1566.8	47.1
0°-60°	2479.7	74.5
0°-90°	3166.5	95.2
90°-120°	141.8	4.3
90°-150°	160.7	4.8
90°-180°	161.0	4.8
0°-180°	3327.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1405	1405	1405	1405	1405	
5°	1412	1403	1383	1389	1384	134
15°	1375	1348	1304	1290	1278	388
25°	1295	1230	1122	1035	1007	596
35°	1147	1018	824	721	695	716
45°	909	722	565	535	537	698
55°	596	455	414	461	483	533
65°	309	269	320	390	411	312
75°	120	146	225	277	287	131
85°	21	70	137	164	166	25
90°	0	48	105	122	122	1
95°	1	37	83	92	91	1
105°	1	23	55	58	55	1
115°	1	3	37	43	42	1
125°	0	1	17	30	32	0
135°	1	1	1	12	16	0
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: P290364

CATALOG NUMBER: 4SSRK-SLN-40-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1405.3	1405.3	1405.3	1405.3	1405.3
2.5°	1414.9	1407.2	1391.1	1401.5	1396.8
5°	1411.5	1402.6	1382.6	1388.8	1383.8
7.5°	1406.1	1394.2	1368.4	1370.3	1360.7
10°	1398.0	1382.6	1350.7	1347.3	1338.0
12.5°	1387.6	1366.5	1328.0	1323.4	1312.7
15°	1374.6	1348.4	1303.8	1290.4	1278.1
17.5°	1359.9	1326.9	1272.7	1242.7	1221.6
20°	1341.1	1299.2	1230.0	1186.6	1155.8
22.5°	1320.0	1269.2	1182.0	1116.6	1081.7
25°	1294.6	1230.4	1121.6	1034.8	1006.7
27.5°	1266.5	1190.1	1055.9	954.4	917.1
30°	1231.2	1138.9	980.9	872.2	829.1
32.5°	1194.3	1084.0	899.5	789.9	756.5
35°	1146.6	1017.5	824.1	721.1	694.6
37.5°	1098.6	946.4	749.2	659.6	636.2
40°	1043.6	874.5	678.4	608.9	592.3
42.5°	978.3	801.4	618.5	566.2	560.4
45°	909.1	721.9	564.7	535.1	537.0
47.5°	833.7	649.6	515.8	510.1	519.7
50°	758.0	582.3	475.1	491.2	506.2
52.5°	673.8	517.4	442.8	475.9	493.9
55°	596.2	455.1	413.6	461.3	482.8
57.5°	518.9	402.1	388.2	446.3	468.9
60°	442.0	353.6	363.6	430.1	454.0
62.5°	375.2	307.5	342.1	412.1	432.8
65°	309.4	268.7	319.8	390.5	410.9
67.5°	254.8	234.1	297.5	364.8	383.2
70°	203.0	201.4	273.7	336.3	353.2
72.5°	158.4	171.8	248.7	306.7	322.9
75°	120.3	146.5	225.2	276.8	286.8
77.5°	88.0	122.6	201.4	246.4	253.3
80°	60.3	101.9	178.7	216.0	221.0
82.5°	38.1	84.2	156.8	188.7	192.2
85°	21.1	69.6	137.2	164.1	166.4
87.5°	8.1	57.3	119.5	142.6	144.5
90°	0.4	48.4	104.9	122.2	122.2
92.5°	0.4	42.3	93.0	106.1	106.9
95°	0.8	37.3	82.6	91.5	90.7
97.5°	0.8	33.8	73.0	80.3	78.0
100°	0.8	30.8	65.7	70.7	68.4
102.5°	0.8	27.3	60.0	63.0	60.3
105°	0.8	22.7	55.4	57.7	55.4
107.5°	0.8	18.1	50.4	53.4	51.1
110°	0.8	13.5	45.7	49.6	47.7



TEST NUMBER: P290364

CATALOG NUMBER: 4SSRK-SLN-40-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	8.5	41.5	46.1	45.0
115°	0.8	3.1	37.3	43.4	42.3
117.5°	0.4	1.5	31.9	40.4	40.0
120°	0.4	1.2	26.9	37.7	37.7
122.5°	0.4	1.2	22.3	33.8	35.4
125°	0.4	0.8	16.9	30.0	31.9
127.5°	0.4	0.8	11.9	26.1	28.4
130°	0.4	0.8	6.2	21.5	24.6
132.5°	0.4	0.8	0.8	16.9	20.4
135°	0.8	0.8	0.8	12.3	16.1
137.5°	0.8	0.8	0.8	6.5	11.5
140°	0.8	0.8	0.4	0.4	5.4
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)