

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: P290278

Luminaire Tested: **4SSRK-SLC-40-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-16)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-SLC-40-L940-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

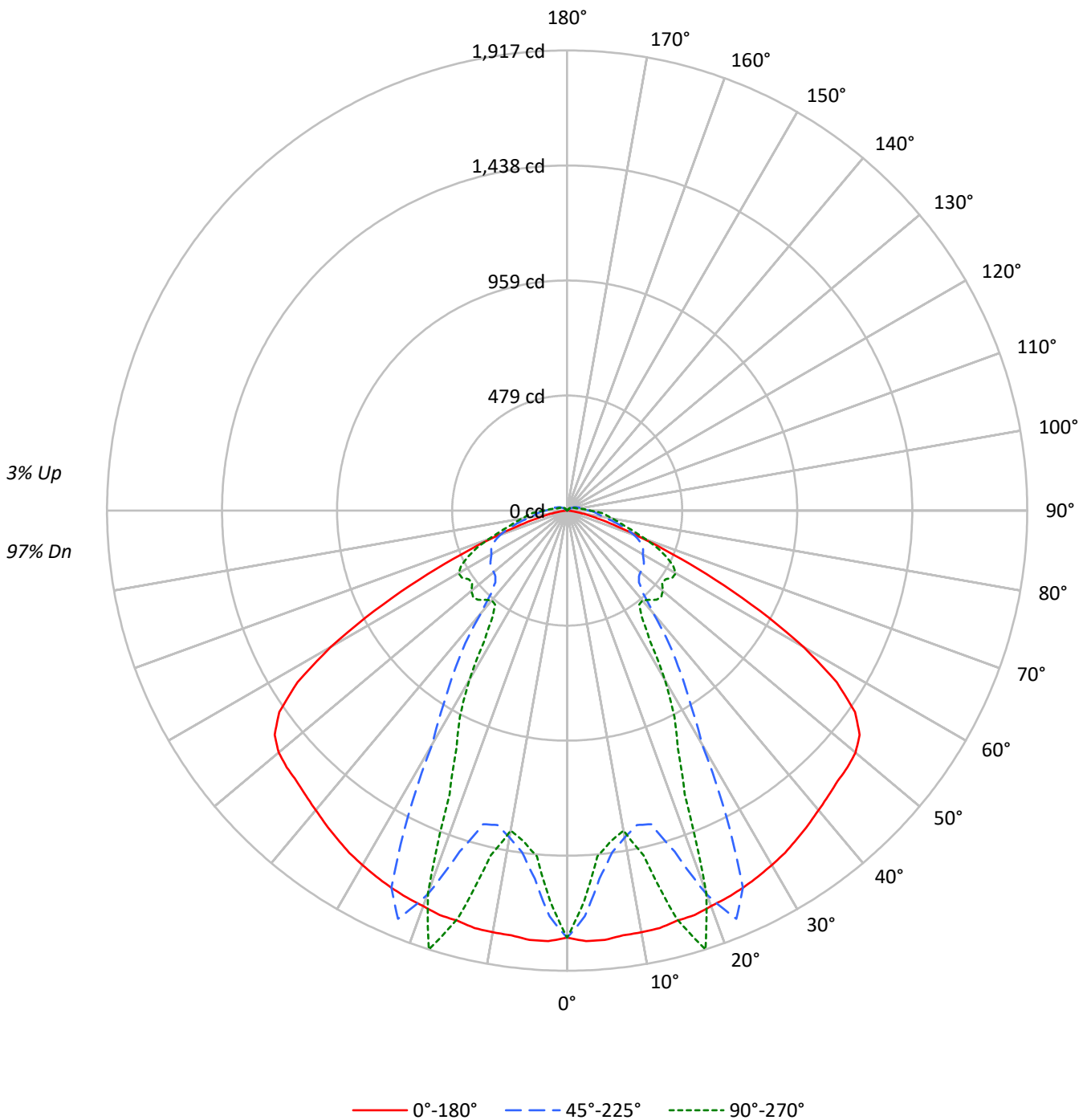
Lumens per Lamp: N/A
Luminaire Lumens: 3741.6 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

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: P290278
CATALOG NUMBER: 4SSRK-SLC-40-L940-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P290278

CATALOG NUMBER: 4SSRK-SLC-40-L940-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	109	109	109	104	104	104	99	99	99	97
1	108	103	99	95	105	101	97	93	96	93	90	91	89	87	87	85	83	81
2	99	91	84	79	96	89	83	78	85	80	75	81	77	73	77	74	71	69
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	65	61	59
4	84	72	64	57	81	71	63	57	68	61	56	65	59	54	62	57	53	51
5	77	65	56	50	75	64	56	50	61	54	49	59	53	48	57	51	47	45
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	40
7	67	54	45	40	65	53	45	39	51	44	39	49	43	38	48	42	38	36
8	62	49	41	36	61	49	41	35	47	40	35	46	39	35	44	38	34	32
9	58	46	38	32	57	45	37	32	44	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	34	30	40	34	29	39	33	29	38	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	114919	114919	114919
5°	115966	79842	69457
10°	116114	60280	52054
15°	116938	51220	56751
20°	118714	57383	47435
25°	121167	52917	27096
30°	124162	31681	18354
35°	127894	21574	11235
40°	132697	13872	9446
45°	139754	10031	9603
50°	150127	9092	9058
55°	155573	8657	8377
60°	137036	7902	8511
65°	95209	7436	7280
70°	54726	6321	5476
75°	30600	4774	3895
80°	16847	3370	3012
85°	7529	2705	2466



TEST NUMBER: P290278

CATALOG NUMBER: 4SSRK-SLC-40-L940-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.8	4.0
10°-20°	444.0	11.9
20°-30°	653.5	17.5
30°-40°	638.4	17.1
40°-50°	529.2	14.1
50°-60°	485.9	13.0
60°-70°	385.0	10.3
70°-80°	213.8	5.7
80°-90°	113.2	3.0
90°-100°	59.5	1.6
100°-110°	35.8	1.0
110°-120°	20.5	0.5
120°-130°	11.3	0.3
130°-140°	3.5	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°	1245.3	33.3
0°-40°	1883.7	50.3
0°-60°	2898.8	77.5
0°-90°	3610.8	96.5
90°-120°	115.8	3.1
90°-150°	130.8	3.5
90°-180°	131.0	3.5
0°-180°	3741.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1779	1779	1779	1779	1779	
5°	1795	1695	1540	1474	1446	171
15°	1768	1412	1353	1656	1758	502
25°	1733	1349	1732	1181	1090	801
35°	1670	1610	821	587	542	1048
45°	1594	728	424	484	526	1236
55°	1464	324	391	468	499	1271
65°	679	211	347	440	456	687
75°	142	128	223	238	249	168
85°	15	63	123	149	156	21
90°	0	46	90	98	97	1
95°	1	36	70	73	69	1
105°	1	24	49	42	38	1
115°	1	3	32	30	28	1
125°	1	1	15	23	23	1
135°	1	1	1	10	12	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: P290278

CATALOG NUMBER: 4SSRK-SLC-40-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1779.4	1779.4	1779.4	1779.4	1779.4
2.5°	1795.3	1763.1	1691.7	1643.2	1626.9
5°	1795.3	1694.6	1539.5	1473.9	1446.3
7.5°	1784.4	1607.7	1435.5	1407.1	1389.1
10°	1783.6	1514.9	1382.4	1358.6	1353.6
12.5°	1781.5	1463.5	1341.5	1425.9	1471.4
15°	1768.5	1412.5	1352.7	1656.5	1758.5
17.5°	1766.5	1374.5	1489.8	1874.3	1917.3
20°	1753.5	1344.4	1703.4	1846.7	1695.0
22.5°	1745.1	1323.5	1840.8	1485.6	1279.2
25°	1733.4	1348.6	1732.2	1181.0	1089.5
27.5°	1720.1	1429.2	1435.9	1028.0	967.4
30°	1705.0	1555.4	1125.8	898.5	814.5
32.5°	1690.0	1647.8	958.2	737.6	639.0
35°	1669.5	1609.7	821.2	586.7	541.6
37.5°	1650.3	1434.2	696.2	506.5	493.5
40°	1629.0	1155.5	559.1	474.7	488.1
42.5°	1611.0	916.0	469.7	471.4	504.4
45°	1593.9	728.0	423.7	483.5	525.7
47.5°	1583.8	578.8	405.4	498.1	532.0
50°	1568.4	463.9	398.7	501.1	519.9
52.5°	1535.8	382.4	396.6	485.6	498.6
55°	1463.9	324.3	390.7	468.0	499.4
57.5°	1331.4	288.4	377.4	471.8	519.9
60°	1137.5	260.4	364.0	483.9	522.4
62.5°	905.2	234.9	356.9	473.9	497.7
65°	678.7	210.6	346.9	440.0	456.3
67.5°	475.2	189.7	324.3	397.8	406.6
70°	323.0	169.7	296.3	343.9	347.7
72.5°	217.3	149.6	261.6	288.4	294.2
75°	141.7	128.3	223.2	238.2	248.6
77.5°	90.3	109.1	185.1	204.4	217.7
80°	56.0	90.3	155.9	183.5	191.8
82.5°	31.3	75.2	135.0	163.8	168.4
85°	15.0	63.1	122.9	149.2	155.5
87.5°	3.8	53.5	108.2	123.7	123.7
90°	0.4	46.0	89.8	98.2	97.4
92.5°	0.4	40.5	78.1	83.6	81.9
95°	0.8	36.4	69.8	72.7	69.4
97.5°	0.8	34.3	64.4	62.3	57.3
100°	0.8	31.8	58.5	53.1	47.6
102.5°	0.8	28.4	53.5	46.8	42.2
105°	0.8	24.2	48.9	42.2	38.0
107.5°	0.8	19.2	43.9	38.4	35.1
110°	0.8	13.8	39.3	35.5	33.0



TEST NUMBER: P290278

CATALOG NUMBER: 4SSRK-SLC-40-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	8.4	35.5	33.0	30.9
115°	0.8	2.9	31.8	30.1	28.0
117.5°	0.8	1.3	28.0	28.8	26.3
120°	0.8	1.3	23.4	27.2	25.1
122.5°	0.8	1.3	19.2	25.5	24.2
125°	0.8	0.8	14.6	23.4	23.0
127.5°	0.8	0.8	10.0	20.5	21.3
130°	0.8	0.8	5.0	16.7	18.8
132.5°	0.8	0.8	0.8	13.8	15.5
135°	0.8	0.8	0.8	10.0	12.5
137.5°	0.8	0.8	0.8	5.0	9.2
140°	0.8	0.8	0.8	0.8	3.8
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)