

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: P290276

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290276
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-L930-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

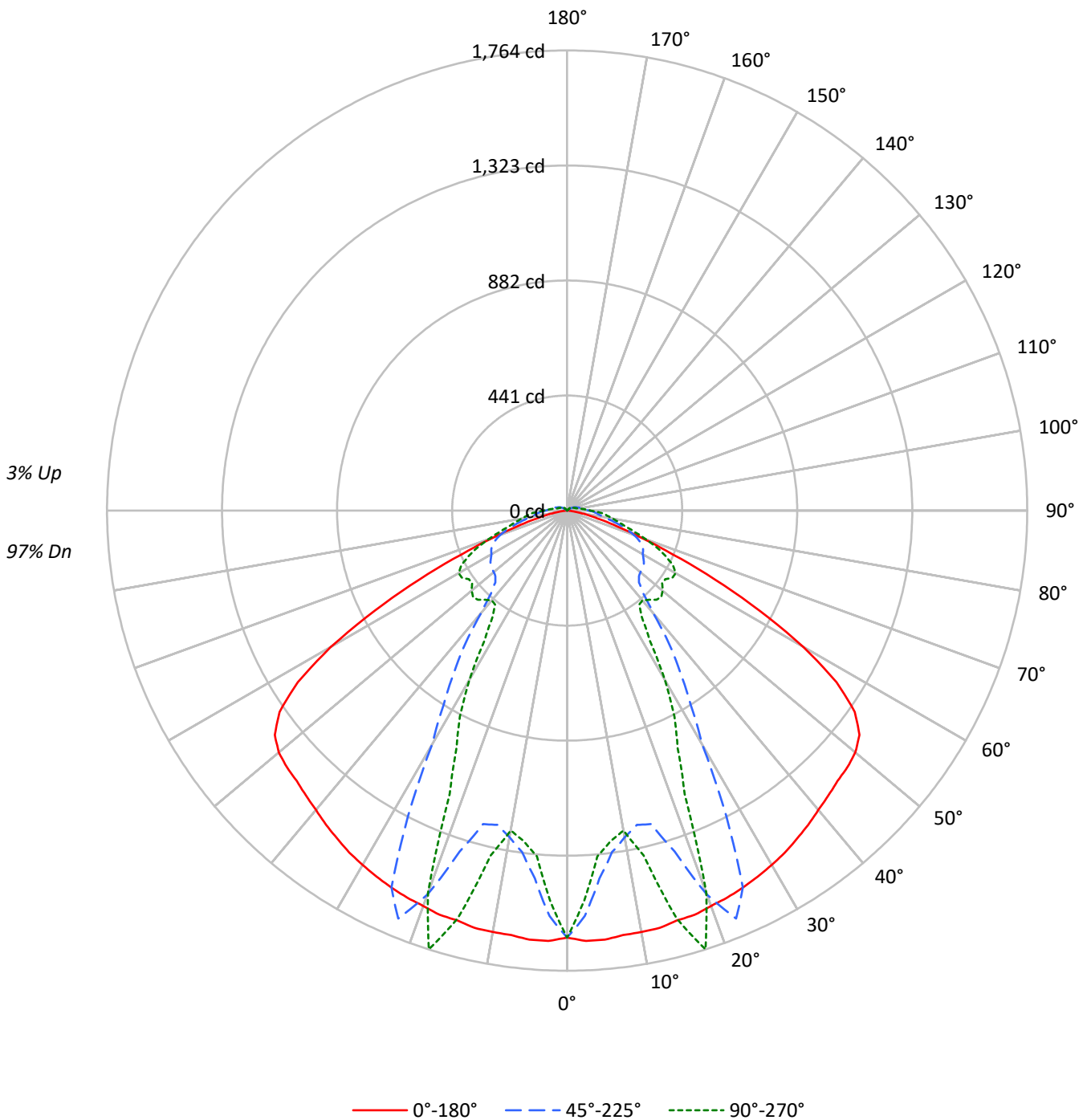
Lumens per Lamp: N/A
Luminaire Lumens: 3441.6 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

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: P290276
CATALOG NUMBER: 4SSRK-SLC-40-L930-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P290276

CATALOG NUMBER: 4SSRK-SLC-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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97	
1	108	103	99	95	105	101	97	93	96	93	90	91	89	87	87	85	83	87	85	83	81	
2	99	91	84	79	96	89	83	78	85	80	75	81	77	73	77	74	71	77	74	71	69	
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	65	61	69	65	61	59	
4	84	72	64	57	81	71	63	57	68	61	56	65	59	54	62	57	53	62	57	53	51	
5	77	65	56	50	75	64	56	50	61	54	49	59	53	48	57	51	47	57	51	47	45	
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	52	46	42	40	
7	67	54	45	40	65	53	45	39	51	44	39	49	43	38	48	42	38	48	42	38	36	
8	62	49	41	36	61	49	41	35	47	40	35	46	39	35	44	38	34	44	38	34	32	
9	58	46	38	32	57	45	37	32	44	37	32	42	36	32	41	35	31	41	35	31	29	
10	55	42	35	30	54	42	34	30	40	34	29	39	33	29	38	33	29	38	33	29	27	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	105703	105703	105703
5°	106664	73442	63891
10°	106805	55444	47878
15°	107562	47116	52200
20°	109195	52781	43632
25°	111451	48673	24923
30°	114207	29140	16883
35°	117637	19842	10334
40°	122050	12760	8689
45°	128540	9228	8834
50°	138086	8362	8331
55°	143097	7964	7704
60°	126049	7268	7828
65°	87564	6838	6696
70°	50338	5813	5037
75°	28138	4391	3583
80°	15493	3099	2770
85°	6927	2487	2268



TEST NUMBER: P290276

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.0	4.0
10°-20°	408.4	11.9
20°-30°	601.1	17.5
30°-40°	587.2	17.1
40°-50°	486.8	14.1
50°-60°	446.9	13.0
60°-70°	354.1	10.3
70°-80°	196.6	5.7
80°-90°	104.1	3.0
90°-100°	54.8	1.6
100°-110°	33.0	1.0
110°-120°	18.8	0.5
120°-130°	10.4	0.3
130°-140°	3.3	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°	1145.4	33.3
0°-40°	1732.6	50.3
0°-60°	2666.3	77.5
0°-90°	3321.2	96.5
90°-120°	106.6	3.1
90°-150°	120.4	3.5
90°-180°	120.0	3.5
0°-180°	3441.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1637	1637	1637	1637	1637	
5°	1651	1559	1416	1356	1330	157
15°	1627	1299	1244	1524	1618	461
25°	1594	1240	1593	1086	1002	737
35°	1536	1481	755	540	498	964
45°	1466	670	390	445	484	1137
55°	1346	298	359	430	459	1169
65°	624	194	319	405	420	632
75°	130	118	205	219	229	154
85°	14	58	113	137	143	19
90°	0	42	83	90	90	1
95°	1	33	64	67	64	1
105°	1	22	45	39	35	1
115°	1	3	29	28	26	1
125°	1	1	14	22	21	1
135°	1	1	1	9	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: P290276

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1636.7	1636.7	1636.7	1636.7	1636.7
2.5°	1651.3	1621.7	1556.0	1511.4	1496.4
5°	1651.3	1558.7	1416.1	1355.7	1330.4
7.5°	1641.3	1478.7	1320.4	1294.2	1277.7
10°	1640.6	1393.4	1271.5	1249.6	1245.0
12.5°	1638.6	1346.1	1233.9	1311.5	1353.4
15°	1626.7	1299.2	1244.3	1523.7	1617.5
17.5°	1624.8	1264.2	1370.3	1724.0	1763.6
20°	1612.9	1236.6	1566.8	1698.6	1559.1
22.5°	1605.2	1217.3	1693.2	1366.5	1176.6
25°	1594.4	1240.4	1593.3	1086.3	1002.1
27.5°	1582.1	1314.6	1320.7	945.6	889.8
30°	1568.3	1430.7	1035.5	826.4	749.2
32.5°	1554.5	1515.6	881.4	678.4	587.7
35°	1535.6	1480.6	755.3	539.7	498.2
37.5°	1517.9	1319.2	640.4	465.9	454.0
40°	1498.3	1062.8	514.3	436.7	449.0
42.5°	1481.8	842.6	432.0	433.6	464.0
45°	1466.0	669.6	389.8	444.7	483.6
47.5°	1456.8	532.4	372.9	458.2	489.3
50°	1442.6	426.7	366.7	460.9	478.2
52.5°	1412.6	351.7	364.8	446.7	458.6
55°	1346.5	298.3	359.4	430.5	459.3
57.5°	1224.6	265.2	347.1	434.0	478.2
60°	1046.3	239.5	334.8	445.1	480.5
62.5°	832.6	216.0	328.3	435.9	457.8
65°	624.2	193.7	319.0	404.8	419.7
67.5°	437.0	174.5	298.3	365.9	374.0
70°	297.1	156.1	272.5	316.3	319.8
72.5°	199.9	137.6	240.6	265.2	270.6
75°	130.3	118.0	205.3	219.1	228.7
77.5°	83.0	100.3	170.3	188.0	200.3
80°	51.5	83.0	143.4	168.7	176.4
82.5°	28.8	69.2	124.2	150.7	154.9
85°	13.8	58.0	113.0	137.2	143.0
87.5°	3.5	49.2	99.6	113.8	113.8
90°	0.4	42.3	82.6	90.3	89.6
92.5°	0.4	37.3	71.9	76.9	75.3
95°	0.8	33.4	64.2	66.9	63.8
97.5°	0.8	31.5	59.2	57.3	52.7
100°	0.8	29.2	53.8	48.8	43.8
102.5°	0.8	26.1	49.2	43.1	38.8
105°	0.8	22.3	45.0	38.8	35.0
107.5°	0.8	17.7	40.4	35.4	32.3
110°	0.8	12.7	36.1	32.7	30.4



TEST NUMBER: P290276

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	7.7	32.7	30.4	28.4
115°	0.8	2.7	29.2	27.7	25.8
117.5°	0.8	1.2	25.8	26.5	24.2
120°	0.8	1.2	21.5	25.0	23.1
122.5°	0.8	1.2	17.7	23.4	22.3
125°	0.8	0.8	13.5	21.5	21.1
127.5°	0.8	0.8	9.2	18.8	19.6
130°	0.8	0.8	4.6	15.4	17.3
132.5°	0.8	0.8	0.8	12.7	14.2
135°	0.8	0.8	0.8	9.2	11.5
137.5°	0.8	0.8	0.8	4.6	8.5
140°	0.8	0.8	0.8	0.8	3.5
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)