

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: P290277

Luminaire Tested: **4SSRK-SLC-40-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290277  
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-L935-CD1-U  
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3653.1 lumens  
Efficiency: N/A  
Efficacy: 131.9 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

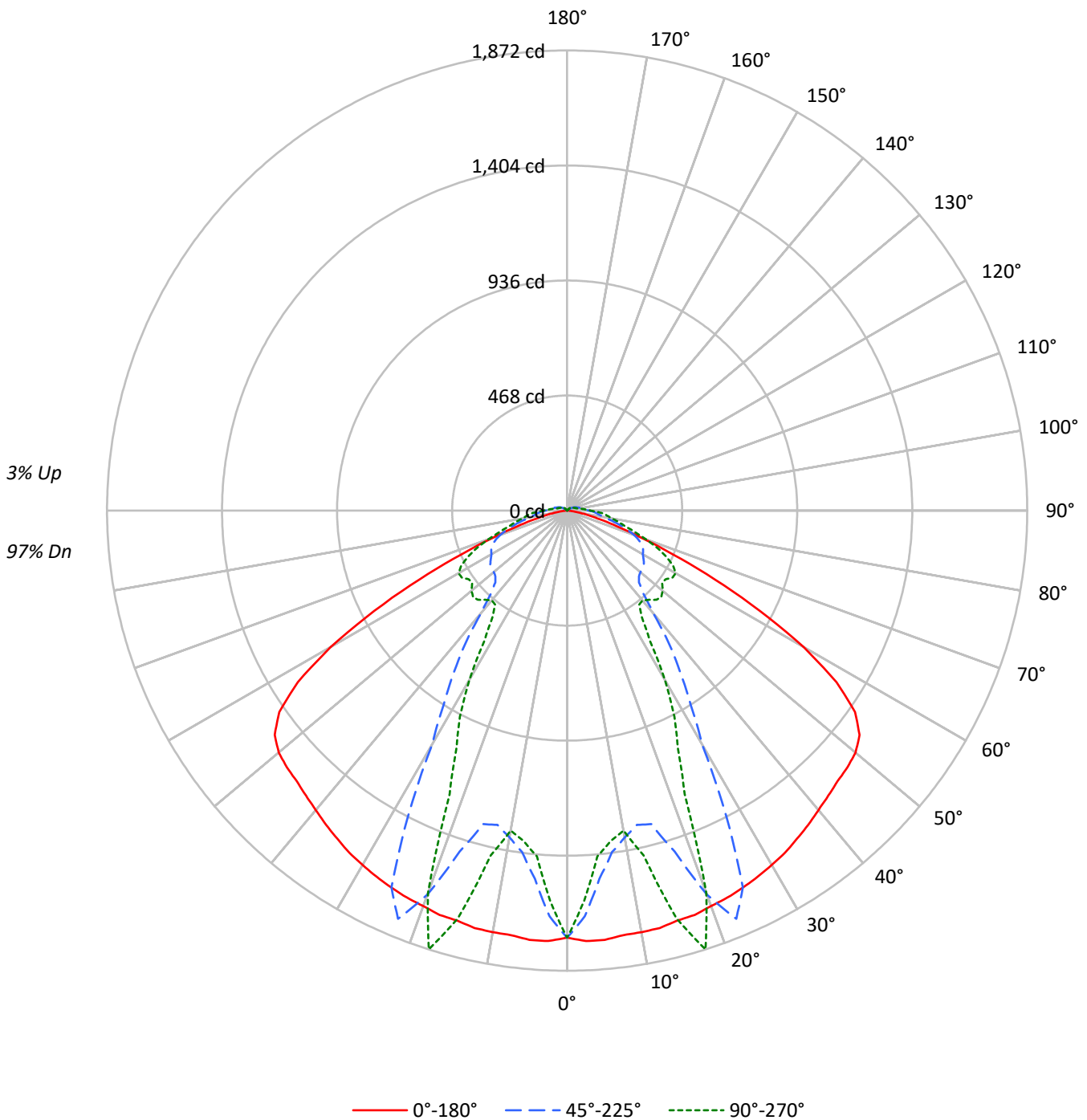
Input Watts (W): 27.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P290277

CATALOG NUMBER: 4SSRK-SLC-40-L935-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P290277

CATALOG NUMBER: 4SSRK-SLC-40-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	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°	112200	112200	112200
5°	113221	77954	67814
10°	113367	58854	50824
15°	114175	50009	55408
20°	115904	56025	46312
25°	118301	51664	26455
30°	121227	30933	17919
35°	124868	21064	10969
40°	129553	13544	9223
45°	136449	9794	9376
50°	146576	8875	8843
55°	151896	8453	8179
60°	133796	7715	8309
65°	92951	7261	7110
70°	53439	6171	5347
75°	29866	4661	3804
80°	16455	3290	2941
85°	7379	2641	2408



TEST NUMBER: P290277

CATALOG NUMBER: 4SSRK-SLC-40-L935-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.3	4.0
10°-20°	433.5	11.9
20°-30°	638.0	17.5
30°-40°	623.3	17.1
40°-50°	516.7	14.1
50°-60°	474.4	13.0
60°-70°	375.9	10.3
70°-80°	208.7	5.7
80°-90°	110.6	3.0
90°-100°	58.1	1.6
100°-110°	35.0	1.0
110°-120°	20.0	0.5
120°-130°	11.0	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°	1215.8	33.3
0°-40°	1839.1	50.3
0°-60°	2830.2	77.5
0°-90°	3525.4	96.5
90°-120°	113.1	3.1
90°-150°	127.7	3.5
90°-180°	128.0	3.5
0°-180°	3653.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1737	1737	1737	1737	1737	
5°	1753	1654	1503	1439	1412	167
15°	1727	1379	1321	1617	1717	490
25°	1692	1317	1691	1153	1064	782
35°	1630	1572	802	573	529	1023
45°	1556	711	414	472	513	1207
55°	1429	317	382	457	488	1241
65°	663	206	339	430	446	671
75°	138	125	218	233	243	164
85°	15	62	120	146	152	20
90°	0	45	88	96	95	1
95°	1	36	68	71	68	1
105°	1	24	48	41	37	1
115°	1	3	31	29	27	1
125°	1	1	14	23	22	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: P290277

CATALOG NUMBER: 4SSRK-SLC-40-L935-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1737.3	1737.3	1737.3	1737.3	1737.3
2.5°	1752.8	1721.4	1651.6	1604.3	1588.4
5°	1752.8	1654.5	1503.1	1439.1	1412.1
7.5°	1742.2	1569.6	1401.5	1373.8	1356.2
10°	1741.4	1479.1	1349.7	1326.5	1321.6
12.5°	1739.4	1428.9	1309.7	1392.1	1436.6
15°	1726.7	1379.1	1320.7	1617.4	1716.9
17.5°	1724.7	1342.0	1454.6	1830.0	1872.0
20°	1712.0	1312.6	1663.1	1803.0	1654.9
22.5°	1703.9	1292.2	1797.3	1450.5	1248.9
25°	1692.4	1316.7	1691.2	1153.1	1063.7
27.5°	1679.4	1395.4	1401.9	1003.7	944.6
30°	1664.7	1518.6	1099.2	877.2	795.2
32.5°	1650.0	1608.8	935.6	720.1	623.9
35°	1630.0	1571.7	801.8	572.9	528.8
37.5°	1611.3	1400.3	679.8	494.5	481.9
40°	1590.4	1128.2	545.9	463.5	476.6
42.5°	1572.9	894.4	458.6	460.2	492.5
45°	1556.2	710.8	413.7	472.1	513.3
47.5°	1546.4	565.1	395.8	486.4	519.4
50°	1531.3	452.9	389.2	489.2	507.6
52.5°	1499.5	373.3	387.2	474.1	486.8
55°	1429.3	316.6	381.5	457.0	487.6
57.5°	1299.9	281.5	368.4	460.6	507.6
60°	1110.6	254.2	355.4	472.5	510.0
62.5°	883.8	229.3	348.4	462.7	485.9
65°	662.6	205.6	338.7	429.6	445.6
67.5°	463.9	185.2	316.6	388.4	397.0
70°	315.4	165.7	289.3	335.8	339.5
72.5°	212.2	146.1	255.4	281.5	287.2
75°	138.3	125.3	217.9	232.6	242.8
77.5°	88.1	106.5	180.8	199.5	212.6
80°	54.7	88.1	152.2	179.1	187.3
82.5°	30.6	73.4	131.8	159.9	164.4
85°	14.7	61.6	120.0	145.7	151.8
87.5°	3.7	52.2	105.7	120.8	120.8
90°	0.4	44.9	87.7	95.9	95.1
92.5°	0.4	39.6	76.3	81.6	80.0
95°	0.8	35.5	68.1	71.0	67.7
97.5°	0.8	33.5	62.8	60.8	55.9
100°	0.8	31.0	57.1	51.8	46.5
102.5°	0.8	27.7	52.2	45.7	41.2
105°	0.8	23.7	47.7	41.2	37.1
107.5°	0.8	18.8	42.8	37.5	34.3
110°	0.8	13.5	38.4	34.7	32.2



TEST NUMBER: P290277

CATALOG NUMBER: 4SSRK-SLC-40-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	8.2	34.7	32.2	30.2
115°	0.8	2.9	31.0	29.4	27.3
117.5°	0.8	1.2	27.3	28.2	25.7
120°	0.8	1.2	22.8	26.5	24.5
122.5°	0.8	1.2	18.8	24.9	23.7
125°	0.8	0.8	14.3	22.8	22.4
127.5°	0.8	0.8	9.8	20.0	20.8
130°	0.8	0.8	4.9	16.3	18.4
132.5°	0.8	0.8	0.8	13.5	15.1
135°	0.8	0.8	0.8	9.8	12.2
137.5°	0.8	0.8	0.8	4.9	9.0
140°	0.8	0.8	0.8	0.8	3.7
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)