

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: P290367

Luminaire Tested: **4SSRK-SLN-40-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290367  
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-L950-CD1-U  
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE NARROW LENS AND 90 CRI 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3852.4 lumens  
Efficiency: N/A  
Efficacy: 139.1 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

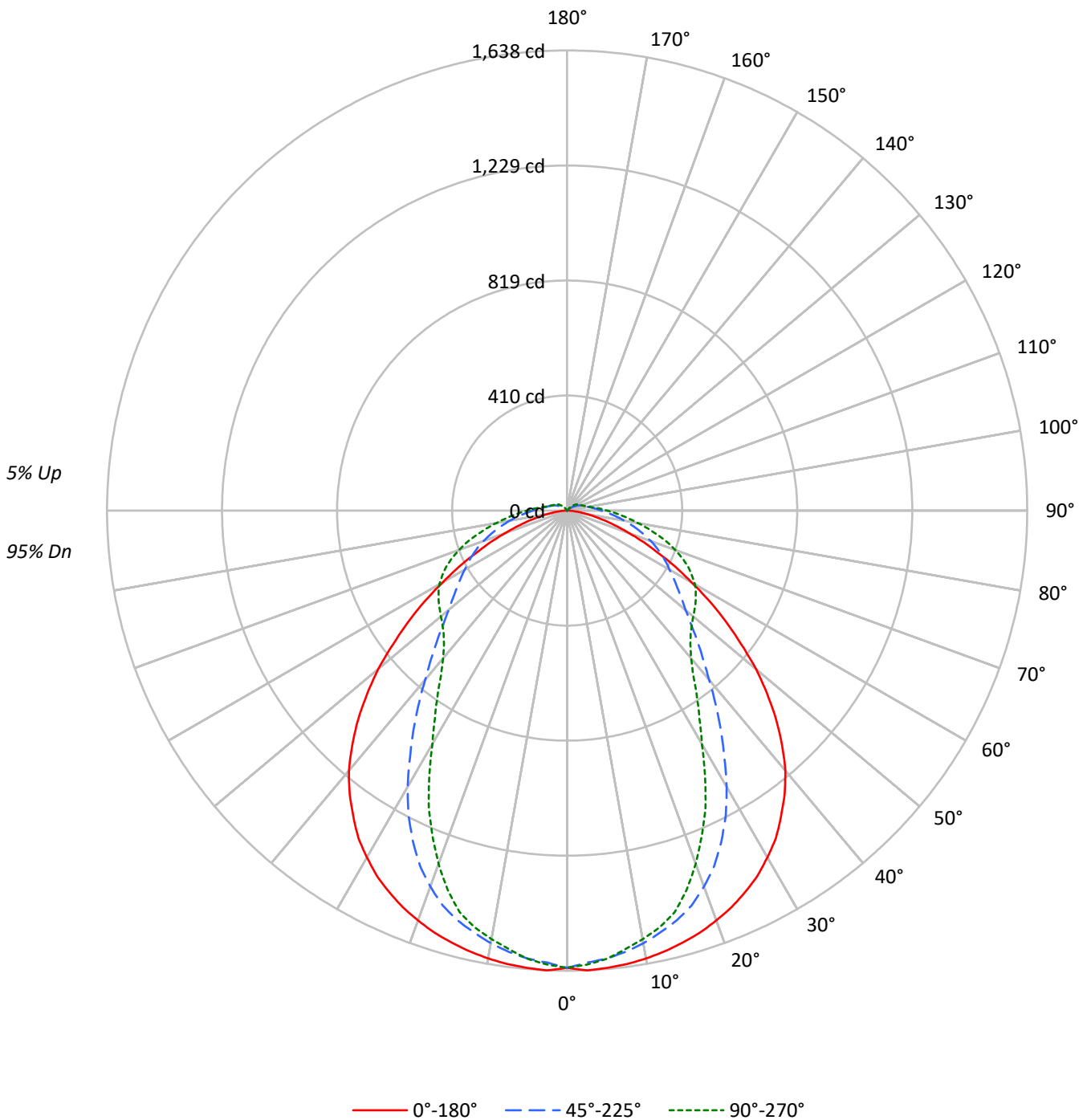
Input Watts (W): 27.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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°	105089	105089	105089
5°	105566	83027	76944
10°	105379	68199	59580
15°	105241	57165	47756
20°	105126	47977	37452
25°	104782	39674	28989
30°	103808	31963	21633
35°	101702	25068	16682
40°	98435	19489	13272
45°	92293	15479	11358
50°	84014	12545	10213
55°	73360	10612	9377
60°	61657	9139	8563
65°	50263	7938	7591
70°	39816	6760	6441
75°	30082	5579	5201
80°	21028	4474	4018
85°	12298	3498	3056



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.8	4.0
10°-20°	428.3	11.1
20°-30°	602.3	15.6
30°-40°	630.7	16.4
40°-50°	571.0	14.8
50°-60°	486.0	12.6
60°-70°	384.3	10.0
70°-80°	261.7	6.8
80°-90°	149.3	3.9
90°-100°	82.8	2.1
100°-110°	50.6	1.3
110°-120°	30.8	0.8
120°-130°	16.7	0.4
130°-140°	5.0	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°	1183.4	30.7
0°-40°	1814.1	47.1
0°-60°	2871.1	74.5
0°-90°	3666.4	95.2
90°-120°	164.2	4.3
90°-150°	186.0	4.8
90°-180°	186.0	4.8
0°-180°	3852.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1627	1627	1627	1627	1627	
5°	1634	1624	1601	1608	1602	155
15°	1592	1561	1510	1494	1480	450
25°	1499	1425	1299	1198	1166	691
35°	1328	1178	954	835	804	830
45°	1053	836	654	620	622	808
55°	690	527	479	534	559	617
65°	358	311	370	452	476	361
75°	139	170	261	320	332	152
85°	24	81	159	190	193	29
90°	0	56	122	142	142	1
95°	1	43	96	106	105	1
105°	1	26	64	67	64	1
115°	1	4	43	50	49	1
125°	0	1	20	35	37	0
135°	1	1	1	14	19	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1627.2	1627.2	1627.2	1627.2	1627.2
2.5°	1638.3	1629.4	1610.7	1622.7	1617.4
5°	1634.3	1624.0	1600.9	1608.0	1602.2
7.5°	1628.1	1614.3	1584.4	1586.7	1575.5
10°	1618.7	1600.9	1564.0	1560.0	1549.3
12.5°	1606.7	1582.2	1537.7	1532.4	1519.9
15°	1591.6	1561.3	1509.7	1494.1	1479.8
17.5°	1574.6	1536.4	1473.6	1438.9	1414.4
20°	1552.8	1504.3	1424.2	1373.9	1338.3
22.5°	1528.4	1469.6	1368.6	1292.9	1252.4
25°	1499.0	1424.7	1298.7	1198.1	1165.6
27.5°	1466.5	1377.9	1222.6	1105.1	1061.9
30°	1425.5	1318.7	1135.8	1009.9	960.0
32.5°	1382.8	1255.1	1041.5	914.6	875.9
35°	1327.6	1178.1	954.2	834.9	804.2
37.5°	1272.0	1095.8	867.4	763.7	736.6
40°	1208.4	1012.5	785.5	705.0	685.8
42.5°	1132.7	928.0	716.1	655.6	648.9
45°	1052.6	835.8	653.8	619.5	621.8
47.5°	965.3	752.2	597.3	590.6	601.7
50°	877.7	674.3	550.1	568.8	586.2
52.5°	780.2	599.1	512.7	551.0	571.9
55°	690.3	527.0	478.9	534.1	559.0
57.5°	600.8	465.5	449.5	516.7	543.0
60°	511.8	409.5	421.0	498.0	525.6
62.5°	434.4	356.1	396.1	477.1	501.1
65°	358.3	311.1	370.3	452.2	475.8
67.5°	295.1	271.0	344.5	422.4	443.7
70°	235.0	233.2	316.9	389.4	409.0
72.5°	183.4	198.9	288.0	355.2	373.9
75°	139.3	169.6	260.8	320.4	332.0
77.5°	101.9	142.0	233.2	285.3	293.3
80°	69.9	117.9	207.0	250.1	255.9
82.5°	44.1	97.5	181.6	218.5	222.5
85°	24.5	80.6	158.9	190.0	192.7
87.5°	9.3	66.3	138.4	165.1	167.3
90°	0.4	56.1	121.5	141.5	141.5
92.5°	0.4	49.0	107.7	122.8	123.7
95°	0.9	43.2	95.7	105.9	105.0
97.5°	0.9	39.2	84.6	93.0	90.3
100°	0.9	35.6	76.1	81.9	79.2
102.5°	0.9	31.6	69.4	73.0	69.9
105°	0.9	26.3	64.1	66.8	64.1
107.5°	0.9	20.9	58.3	61.9	59.2
110°	0.9	15.6	53.0	57.4	55.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	9.8	48.1	53.4	52.1
115°	0.9	3.6	43.2	50.3	49.0
117.5°	0.4	1.8	36.9	46.7	46.3
120°	0.4	1.3	31.2	43.6	43.6
122.5°	0.4	1.3	25.8	39.2	40.9
125°	0.4	0.9	19.6	34.7	36.9
127.5°	0.4	0.9	13.8	30.3	32.9
130°	0.4	0.9	7.1	24.9	28.5
132.5°	0.4	0.9	0.9	19.6	23.6
135°	0.9	0.9	0.9	14.2	18.7
137.5°	0.9	0.9	0.9	7.6	13.4
140°	0.9	0.9	0.4	0.4	6.2
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)