

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: P289695

Luminaire Tested: **8SSRK-50-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289695  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-11)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SSRK-50-L950-CD1-U  
Description: 5000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5064.9 lumens  
Efficiency: N/A  
Efficacy: 148.1 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Direct

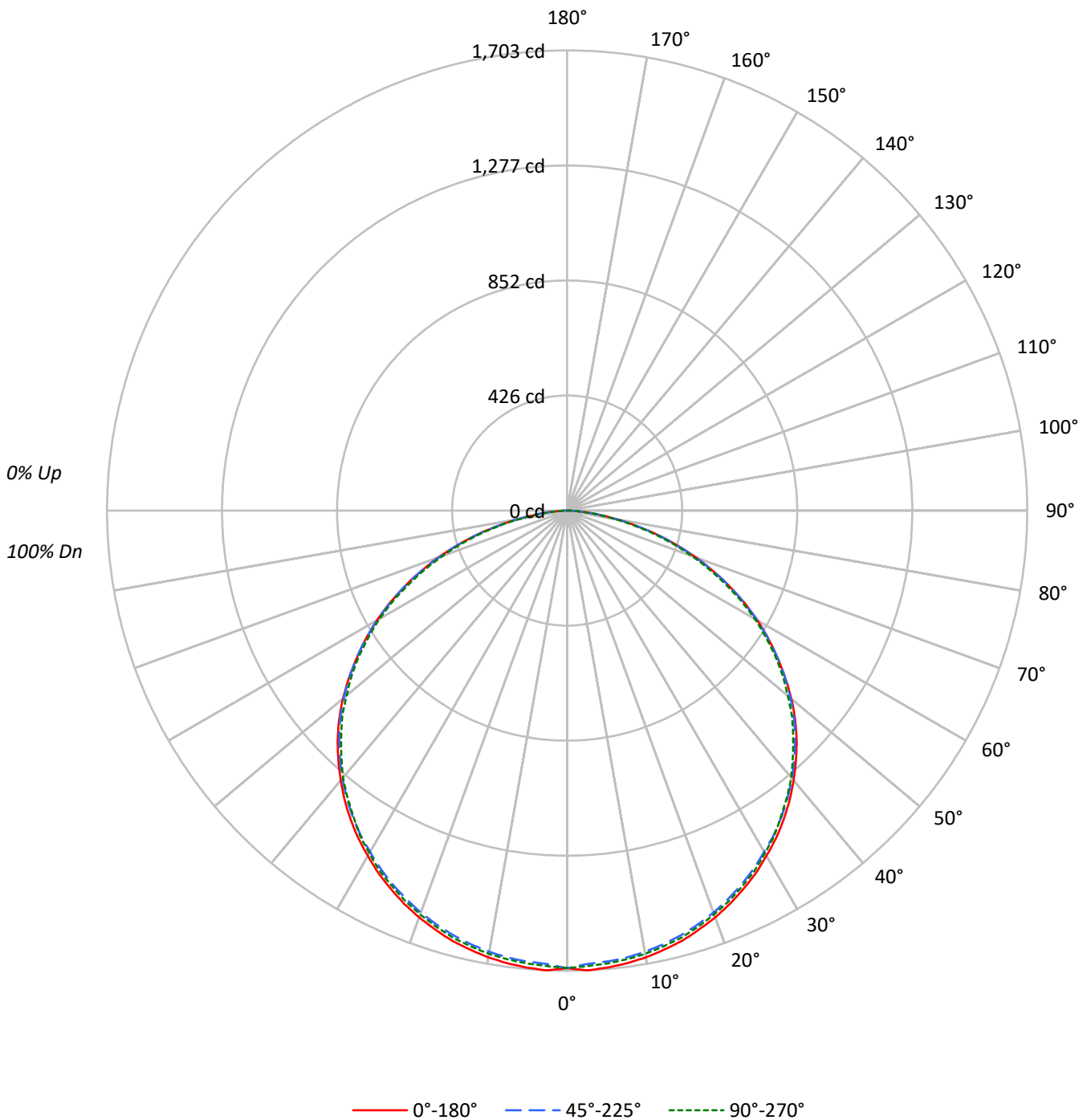
Input Watts (W): 34.1991  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	54679	54679	54679
5°	54931	43493	40405
10°	54846	36205	32022
15°	54775	30872	26397
20°	54637	26735	22252
25°	54508	23390	19077
30°	54367	20587	16494
35°	54263	18232	14318
40°	54007	16113	12485
45°	53736	14175	10803
50°	53098	12356	9281
55°	51949	10583	7890
60°	50659	8859	6534
65°	48492	7143	5160
70°	45383	5398	3853
75°	39892	3690	2608
80°	31566	2061	1407
85°	20319	745	463



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.5	3.2
10°-20°	462.3	9.1
20°-30°	708.6	14.0
30°-40°	868.5	17.1
40°-50°	920.1	18.2
50°-60°	848.4	16.8
60°-70°	652.0	12.9
70°-80°	361.4	7.1
80°-90°	83.1	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1331.4	26.3
0°-40°	2199.9	43.4
0°-60°	3968.4	78.4
0°-90°	5064.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5064.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1693	1693	1693	1693	1693	
5°	1698	1690	1676	1692	1683	161
15°	1648	1640	1627	1642	1636	465
25°	1545	1539	1527	1542	1534	712
35°	1397	1390	1383	1388	1380	874
45°	1201	1197	1193	1191	1183	926
55°	950	957	951	947	941	850
65°	663	665	664	655	647	655
75°	345	345	343	338	333	364
85°	68	69	67	64	58	84
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1703.3	1694.9	1679.4	1694.9	1687.2
5°	1697.7	1690.5	1675.5	1691.6	1682.7
7.5°	1689.9	1683.8	1668.8	1684.4	1675.5
10°	1678.8	1672.1	1657.7	1674.4	1665.4
12.5°	1663.8	1657.7	1643.7	1659.3	1651.5
15°	1647.6	1639.8	1627.0	1641.5	1635.9
17.5°	1625.4	1619.2	1606.4	1620.4	1614.2
20°	1602.0	1595.9	1583.1	1597.0	1590.3
22.5°	1575.3	1569.1	1555.8	1570.8	1564.1
25°	1544.7	1539.1	1526.8	1542.4	1534.1
27.5°	1512.4	1507.9	1494.6	1507.4	1502.4
30°	1475.6	1472.9	1458.4	1468.4	1463.9
32.5°	1438.3	1433.3	1423.3	1431.1	1426.7
35°	1396.6	1389.9	1383.2	1388.2	1380.5
37.5°	1352.1	1347.6	1340.4	1344.8	1335.9
40°	1303.6	1299.7	1294.2	1295.3	1290.3
42.5°	1253.5	1249.1	1244.6	1242.4	1236.8
45°	1201.2	1197.3	1192.9	1191.2	1182.8
47.5°	1144.4	1141.7	1138.9	1135.0	1128.9
50°	1083.2	1084.3	1079.3	1076.0	1065.4
52.5°	1017.5	1024.2	1017.0	1012.0	1005.8
55°	950.2	957.4	951.3	947.4	940.7
57.5°	883.4	886.7	882.8	880.0	871.1
60°	812.7	815.5	812.7	806.6	802.1
62.5°	739.8	743.1	737.5	733.1	727.0
65°	663.0	664.6	663.5	654.6	646.8
67.5°	585.6	588.4	585.0	578.9	571.1
70°	508.2	506.5	503.8	499.3	489.3
72.5°	426.4	426.4	425.8	417.5	412.5
75°	344.6	345.1	343.4	337.9	332.9
77.5°	262.7	268.9	264.4	258.8	253.3
80°	189.8	193.7	189.8	182.6	179.2
82.5°	121.3	126.9	123.6	116.3	115.2
85°	67.9	69.0	67.4	64.0	58.4
87.5°	25.6	26.7	27.3	22.3	19.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)