

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: P290300

Luminaire Tested: **8SSRK-SLC-40-L930-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290300  
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: 8SSRK-SLC-40-L930-CD1-U  
Description: 4000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

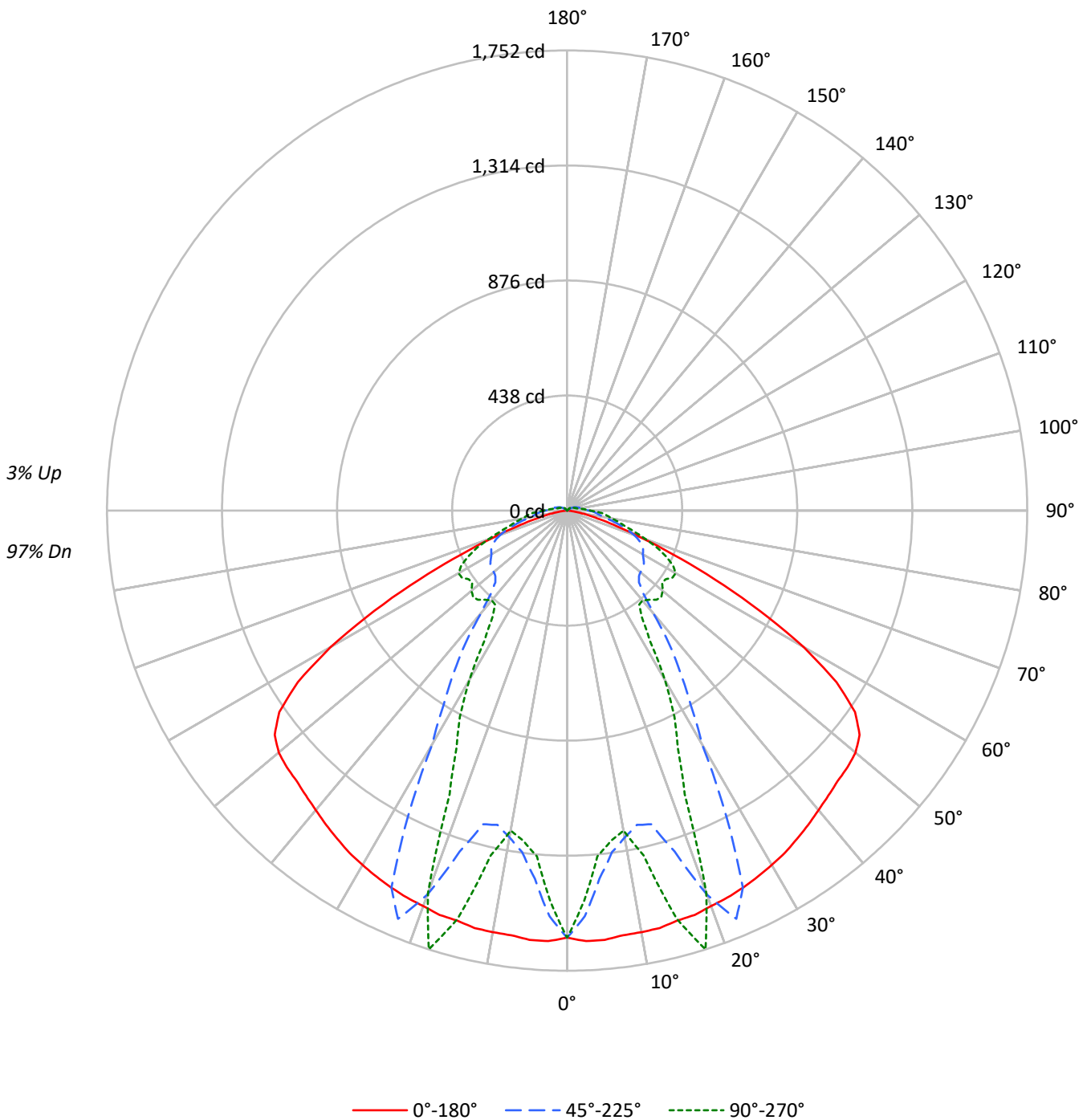
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3419.1 lumens  
Efficiency: N/A  
Efficacy: 126.6 lumens/watt  
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 27.0151  
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	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°	52506	52506	52506
5°	53080	36518	31736
10°	53245	27589	23783
15°	53727	23455	25929
20°	54647	26286	21673
25°	55894	24249	12379
30°	57403	14522	8386
35°	59275	9891	5133
40°	61668	6361	4316
45°	65157	4601	4388
50°	70255	4170	4138
55°	73135	3973	3827
60°	64796	3626	3888
65°	45362	3413	3327
70°	26362	2901	2502
75°	14991	2191	1780
80°	8515	1546	1376
85°	4100	1242	1127



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.1	4.0
10°-20°	405.7	11.9
20°-30°	597.2	17.5
30°-40°	583.4	17.1
40°-50°	483.6	14.1
50°-60°	444.0	13.0
60°-70°	351.8	10.3
70°-80°	195.4	5.7
80°-90°	103.5	3.0
90°-100°	54.4	1.6
100°-110°	32.8	1.0
110°-120°	18.7	0.5
120°-130°	10.3	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°	1137.9	33.3
0°-40°	1721.3	50.3
0°-60°	2648.9	77.5
0°-90°	3299.5	96.5
90°-120°	105.9	3.1
90°-150°	119.6	3.5
90°-180°	120.0	3.5
0°-180°	3419.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1626	1626	1626	1626	1626	
5°	1640	1548	1407	1347	1322	156
15°	1616	1291	1236	1514	1607	458
25°	1584	1232	1583	1079	996	732
35°	1526	1471	750	536	495	957
45°	1456	665	387	442	480	1130
55°	1338	296	357	428	456	1162
65°	620	192	317	402	417	628
75°	130	117	204	218	227	153
85°	14	58	112	136	142	19
90°	0	42	82	90	89	1
95°	1	33	64	66	63	1
105°	1	22	45	39	35	1
115°	1	3	29	28	26	1
125°	1	1	13	21	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1626.0	1626.0	1626.0	1626.0	1626.0
2.5°	1640.5	1611.1	1545.8	1501.5	1486.6
5°	1640.5	1548.5	1406.8	1346.9	1321.7
7.5°	1630.6	1469.1	1311.7	1285.8	1269.3
10°	1629.8	1384.3	1263.2	1241.5	1236.9
12.5°	1627.9	1337.3	1225.8	1303.0	1344.6
15°	1616.1	1290.7	1236.1	1513.7	1606.9
17.5°	1614.2	1256.0	1361.4	1712.7	1752.0
20°	1602.3	1228.5	1556.5	1687.5	1548.9
22.5°	1594.7	1209.4	1682.1	1357.6	1168.9
25°	1584.0	1232.3	1582.9	1079.2	995.5
27.5°	1571.8	1306.0	1312.1	939.4	884.0
30°	1558.0	1421.3	1028.8	821.0	744.3
32.5°	1544.3	1505.7	875.6	674.0	583.9
35°	1525.6	1471.0	750.4	536.1	494.9
37.5°	1508.0	1310.6	636.2	462.8	451.0
40°	1488.5	1055.9	510.9	433.8	446.0
42.5°	1472.1	837.1	429.2	430.8	460.9
45°	1456.5	665.2	387.2	441.8	480.4
47.5°	1447.3	528.9	370.4	455.2	486.1
50°	1433.2	423.9	364.3	457.9	475.0
52.5°	1403.4	349.4	362.4	443.7	455.6
55°	1337.7	296.3	357.1	427.7	456.3
57.5°	1216.6	263.5	344.8	431.1	475.0
60°	1039.5	237.9	332.6	442.2	477.3
62.5°	827.1	214.6	326.1	433.0	454.8
65°	620.2	192.5	317.0	402.1	417.0
67.5°	434.2	173.4	296.3	363.5	371.6
70°	295.2	155.0	270.7	314.3	317.7
72.5°	198.6	136.7	239.1	263.5	268.8
75°	129.5	117.2	203.9	217.7	227.2
77.5°	82.5	99.7	169.2	186.7	199.0
80°	51.2	82.5	142.4	167.6	175.3
82.5°	28.6	68.7	123.3	149.7	153.9
85°	13.7	57.7	112.3	136.3	142.1
87.5°	3.4	48.9	98.9	113.0	113.0
90°	0.4	42.0	82.1	89.7	89.0
92.5°	0.4	37.0	71.4	76.4	74.8
95°	0.8	33.2	63.8	66.4	63.4
97.5°	0.8	31.3	58.8	56.9	52.3
100°	0.8	29.0	53.5	48.5	43.5
102.5°	0.8	26.0	48.9	42.8	38.6
105°	0.8	22.1	44.7	38.6	34.8
107.5°	0.8	17.6	40.1	35.1	32.1
110°	0.8	12.6	35.9	32.5	30.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	7.6	32.5	30.2	28.3
115°	0.8	2.7	29.0	27.5	25.6
117.5°	0.8	1.1	25.6	26.3	24.1
120°	0.8	1.1	21.4	24.8	22.9
122.5°	0.8	1.1	17.6	23.3	22.1
125°	0.8	0.8	13.4	21.4	21.0
127.5°	0.8	0.8	9.2	18.7	19.5
130°	0.8	0.8	4.6	15.3	17.2
132.5°	0.8	0.8	0.8	12.6	14.1
135°	0.8	0.8	0.8	9.2	11.5
137.5°	0.8	0.8	0.8	4.6	8.4
140°	0.8	0.8	0.8	0.8	3.4
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)