

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: P289980

Luminaire Tested: **8SSRK-LW-10-L930-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289980  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SSRK-LW-10-L930-CD1-U  
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 90 CRI 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7334.8 lumens  
Efficiency: N/A  
Efficacy: 102.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Semi-Direct

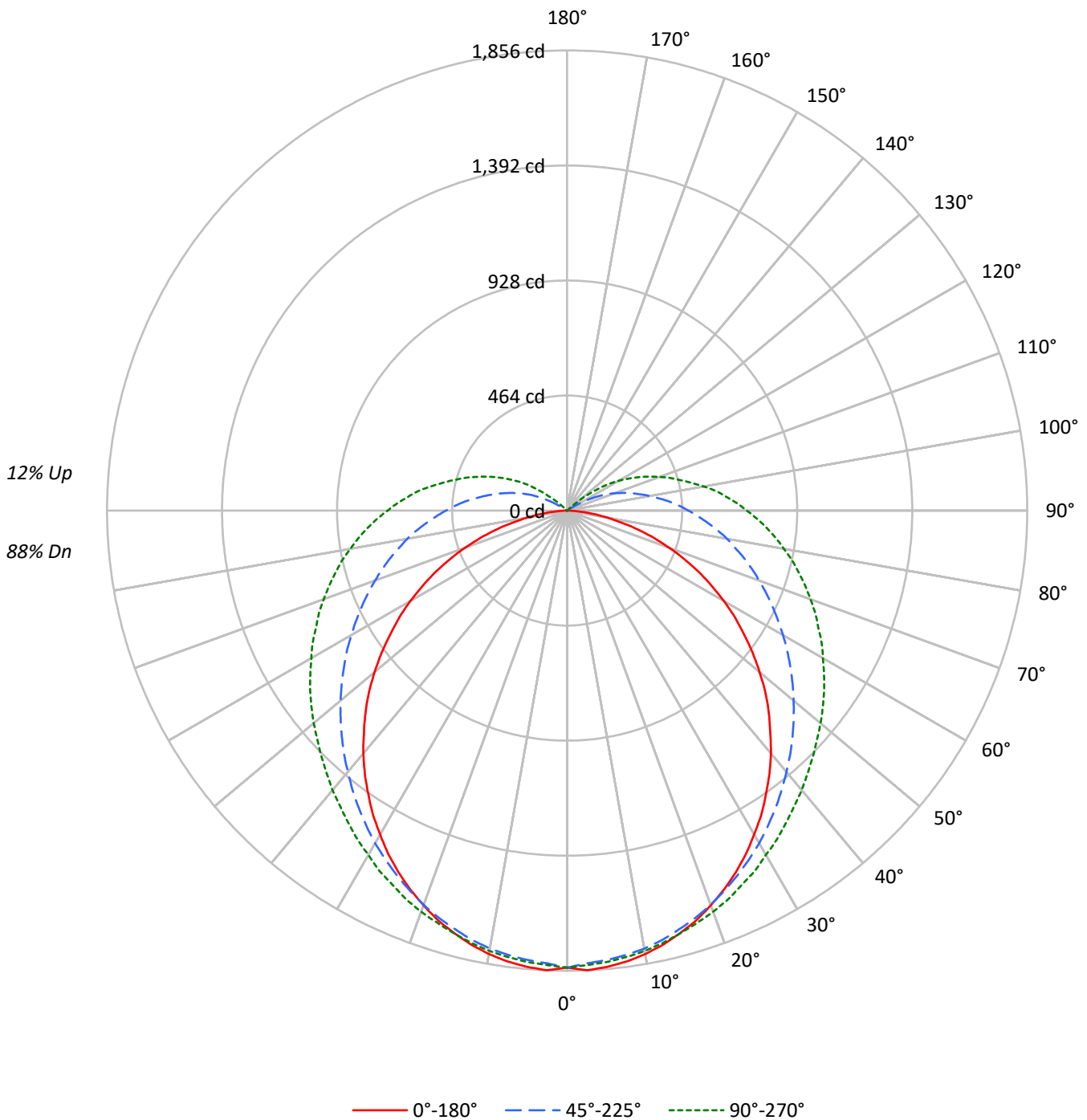
Input Watts (W): 71.9151  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88				
1	103	97	92	87	99	94	89	84	87	83	79	81	78	75	75	73	71	67				
2	93	83	75	68	89	80	73	67	74	68	63	69	64	60	65	61	57	54				
3	84	72	63	56	80	70	61	54	65	58	52	60	54	50	56	51	47	44				
4	76	63	54	47	73	61	52	46	57	50	44	53	47	42	50	44	40	37				
5	70	56	47	40	67	54	46	39	51	43	37	48	41	36	45	39	34	32				
6	65	50	41	34	62	49	40	34	46	38	32	43	36	31	40	35	30	28				
7	60	46	36	30	57	44	36	30	42	34	28	39	32	27	37	31	26	24				
8	55	41	33	27	53	40	32	26	38	31	25	36	29	24	34	28	24	21				
9	52	38	30	24	50	37	29	23	35	28	23	33	27	22	31	25	21	19				
10	49	35	27	21	47	34	26	21	32	25	21	31	24	20	29	23	19	17				

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

	0°	45°	90°
0°	59520	59520	59520
5°	59765	47241	43886
10°	59331	39177	34678
15°	58634	33172	28475
20°	57771	28574	24095
25°	56794	24880	20715
30°	55586	21871	18069
35°	54325	19311	15960
40°	52984	17131	14243
45°	51441	15278	12805
50°	49667	13653	11622
55°	47603	12222	10612
60°	45510	10961	9707
65°	42831	9834	8919
70°	39141	8831	8223
75°	34231	7929	7572
80°	27258	7118	6966
85°	17685	6296	6412



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.1	2.4
10°-20°	496.8	6.8
20°-30°	753.4	10.3
30°-40°	919.4	12.5
40°-50°	990.3	13.5
50°-60°	972.6	13.3
60°-70°	878.8	12.0
70°-80°	731.6	10.0
80°-90°	561.2	7.7
90°-100°	406.3	5.5
100°-110°	262.5	3.6
110°-120°	141.4	1.9
120°-130°	44.8	0.6
130°-140°	1.7	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°	1424.3	19.4
0°-40°	2343.7	32.0
0°-60°	4306.6	58.7
0°-90°	6478.1	88.3
90°-120°	810.2	11.0
90°-150°	856.6	11.7
90°-180°	857.0	11.7
0°-180°	7334.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1843	1843	1843	1843	1843	
5°	1847	1840	1820	1834	1828	175
15°	1764	1760	1748	1768	1765	497
25°	1610	1612	1624	1659	1666	741
35°	1398	1417	1465	1523	1539	875
45°	1150	1194	1286	1370	1402	887
55°	871	957	1099	1221	1265	780
65°	586	713	913	1067	1118	578
75°	296	491	738	908	967	313
85°	59	301	569	747	809	71
90°	2	226	489	664	724	3
95°	4	164	414	587	644	3
105°	4	58	270	422	474	4
115°	3	3	136	269	319	3
125°	2	1	1	108	153	2
135°	0	0	0	0	0	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°	1843.2	1843.2	1843.2	1843.2	1843.2
2.5°	1855.8	1848.1	1827.7	1840.3	1834.5
5°	1847.1	1840.3	1819.9	1833.5	1827.7
7.5°	1834.5	1827.7	1808.3	1821.9	1817.0
10°	1816.1	1809.3	1793.8	1807.3	1803.5
12.5°	1792.8	1787.9	1773.4	1789.9	1786.0
15°	1763.7	1759.8	1748.2	1767.6	1764.7
17.5°	1732.7	1728.8	1722.0	1742.4	1743.3
20°	1693.9	1692.9	1692.0	1718.1	1722.0
22.5°	1654.1	1655.1	1659.0	1691.0	1696.8
25°	1609.5	1611.5	1624.1	1659.0	1665.8
27.5°	1562.0	1568.8	1587.2	1628.0	1638.6
30°	1508.7	1520.3	1549.4	1592.1	1603.7
32.5°	1456.3	1468.9	1507.7	1558.2	1573.7
35°	1398.2	1416.6	1465.1	1523.2	1538.8
37.5°	1340.0	1361.3	1421.4	1484.5	1503.9
40°	1278.9	1307.0	1375.9	1446.6	1471.9
42.5°	1213.0	1252.7	1332.2	1407.9	1436.0
45°	1149.9	1193.6	1285.7	1370.0	1402.0
47.5°	1085.0	1137.3	1239.2	1333.2	1367.1
50°	1013.2	1076.3	1192.6	1296.4	1334.2
52.5°	943.4	1018.1	1146.1	1258.5	1300.2
55°	870.7	957.0	1098.6	1220.7	1265.3
57.5°	802.8	894.9	1053.0	1181.0	1228.5
60°	730.1	834.8	1005.5	1144.1	1191.6
62.5°	656.4	774.7	958.9	1104.4	1157.7
65°	585.6	712.7	913.4	1066.6	1118.0
67.5°	510.0	656.4	868.8	1025.8	1084.0
70°	438.3	598.2	824.2	987.1	1044.3
72.5°	366.5	542.0	780.5	948.3	1006.4
75°	295.7	490.6	737.9	908.5	966.7
77.5°	224.9	436.3	694.2	868.8	929.8
80°	163.9	388.8	655.5	828.0	887.2
82.5°	111.5	344.2	611.8	789.3	849.4
85°	59.1	300.6	569.2	746.6	808.6
87.5°	17.5	261.8	527.5	704.9	767.0
90°	1.9	225.9	488.7	664.2	724.3
92.5°	2.9	194.9	451.8	627.3	685.5
95°	3.9	163.9	414.0	586.6	643.8
97.5°	3.9	136.7	375.2	544.9	606.0
100°	3.9	110.5	338.4	502.3	558.5
102.5°	3.9	86.3	303.5	459.6	514.9
105°	3.9	58.2	269.5	421.8	474.1
107.5°	3.9	29.1	236.6	384.9	436.3
110°	3.9	5.8	203.6	347.1	396.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	3.9	171.6	307.4	357.8
115°	2.9	2.9	135.7	268.6	319.0
117.5°	2.9	2.9	97.0	232.7	278.3
120°	2.9	1.9	56.2	194.9	240.5
122.5°	1.9	1.9	18.4	151.3	200.7
125°	1.9	1.0	1.0	107.6	153.2
127.5°	1.9	1.0	0.0	60.1	103.7
130°	1.9	1.0	0.0	17.5	59.1
132.5°	1.9	1.0	0.0	0.0	12.6
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)