

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: P290140

Luminaire Tested: **8SSRK-LN-60-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-10)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-LN-60-L930-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND NARROW LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4914.9 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.03 / 1.16
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

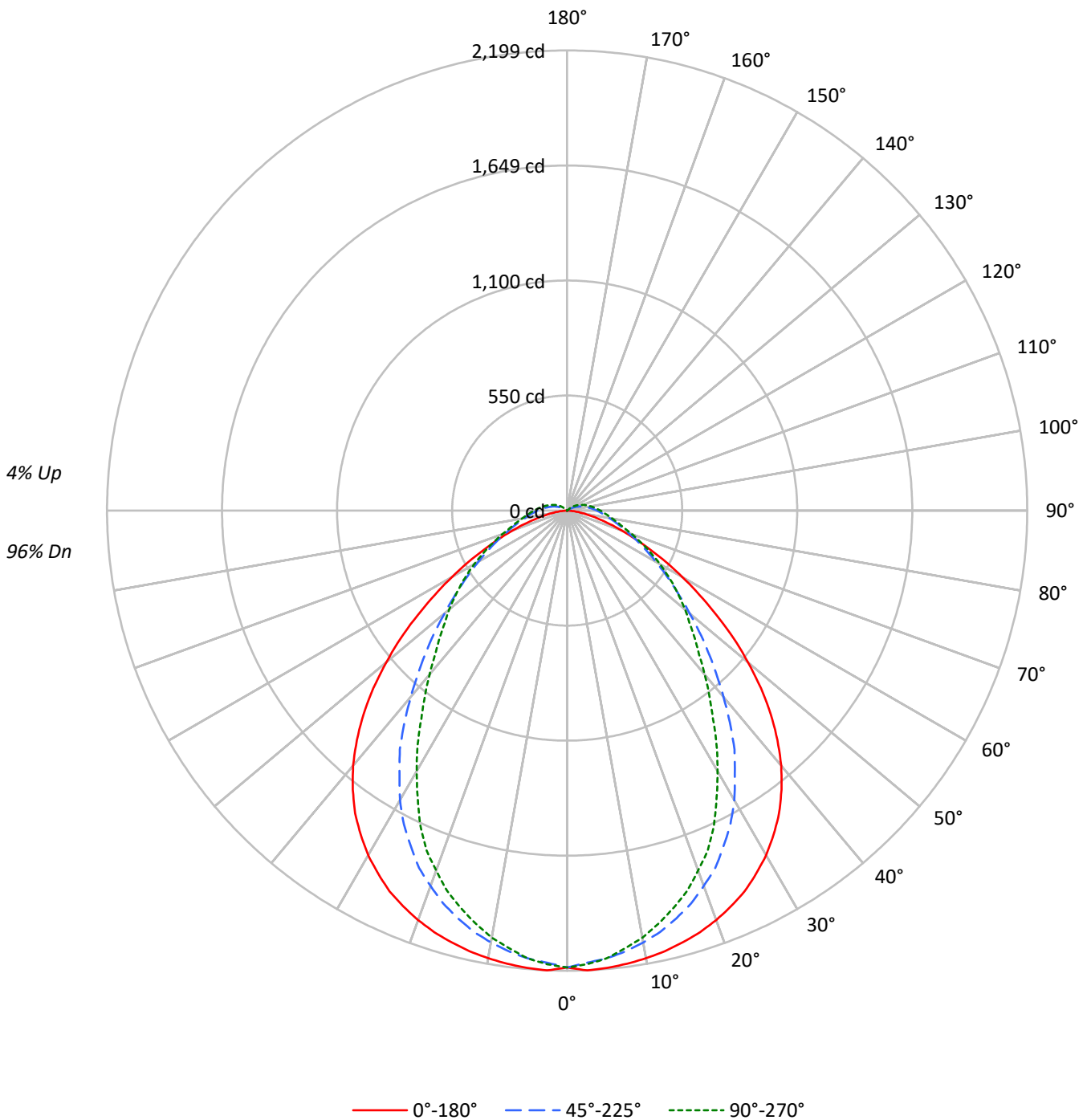
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P290140

CATALOG NUMBER: 8SSRK-LN-60-L930-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P290140

CATALOG NUMBER: 8SSRK-LN-60-L930-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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96				
1	108	104	99	96	105	101	97	94	96	93	90	91	89	86	87	85	83	81				
2	99	91	85	80	96	89	83	78	85	80	76	81	77	74	78	74	71	69				
3	91	81	74	68	88	79	72	67	76	70	65	73	68	63	70	65	62	59				
4	84	73	65	58	81	71	64	58	68	62	56	65	60	55	63	58	54	52				
5	78	66	57	51	75	64	56	51	62	55	50	59	53	49	57	52	48	46				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	47	43	41				
7	67	54	46	40	65	53	46	40	52	45	39	50	44	39	48	43	38	36				
8	63	50	42	36	61	49	41	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	38	33	57	45	38	33	44	37	32	43	36	32	41	36	32	30				
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	70499	70499	70499
5°	70976	55771	51589
10°	70965	45762	39844
15°	71005	38267	31703
20°	71028	32232	25615
25°	70838	27096	20636
30°	70066	22553	16196
35°	68612	18369	12608
40°	65926	14465	9906
45°	61591	11305	7871
50°	55250	8742	6410
55°	47625	6803	5207
60°	39669	5337	4186
65°	31626	4201	3306
70°	24674	3326	2599
75°	18464	2701	2069
80°	13355	2228	1716
85°	8289	1879	1462



TEST NUMBER: P290140

CATALOG NUMBER: 8SSRK-LN-60-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.0	4.2
10°-20°	574.0	11.7
20°-30°	827.2	16.8
30°-40°	896.0	18.2
40°-50°	793.6	16.1
50°-60°	603.9	12.3
60°-70°	402.3	8.2
70°-80°	248.6	5.1
80°-90°	155.7	3.2
90°-100°	102.3	2.1
100°-110°	62.7	1.3
110°-120°	32.4	0.7
120°-130°	10.6	0.2
130°-140°	0.6	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°	1606.1	32.7
0°-40°	2502.1	50.9
0°-60°	3899.6	79.3
0°-90°	4706.3	95.8
90°-120°	197.4	4.0
90°-150°	208.7	4.2
90°-180°	209.0	4.3
0°-180°	4914.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2183	2183	2183	2183	2183	
5°	2194	2180	2148	2157	2148	209
15°	2136	2095	2017	1990	1965	603
25°	2008	1913	1769	1693	1660	924
35°	1766	1600	1394	1262	1216	1100
45°	1377	1161	951	879	862	1056
55°	871	711	612	619	621	782
65°	432	379	390	413	414	437
75°	160	194	251	268	264	176
85°	28	100	170	187	184	34
90°	1	73	142	160	158	2
95°	3	51	117	136	135	2
105°	2	20	73	94	96	2
115°	2	2	38	58	64	2
125°	1	1	1	25	32	1
135°	0	0	0	0	0	0
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: P290140

CATALOG NUMBER: 8SSRK-LN-60-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2183.2	2183.2	2183.2	2183.2	2183.2
2.5°	2199.4	2187.2	2162.4	2176.8	2169.9
5°	2193.6	2179.7	2148.5	2156.6	2148.5
7.5°	2184.3	2167.0	2125.4	2128.9	2109.8
10°	2172.2	2149.1	2095.3	2089.5	2072.2
12.5°	2156.6	2124.2	2061.2	2038.1	2021.3
15°	2135.8	2095.3	2016.7	1989.6	1964.7
17.5°	2112.1	2060.1	1968.7	1935.8	1906.3
20°	2082.6	2017.3	1908.6	1863.0	1830.6
22.5°	2046.8	1970.5	1849.1	1782.6	1756.6
25°	2007.5	1913.3	1768.7	1693.0	1659.5
27.5°	1956.0	1850.2	1689.6	1594.8	1546.8
30°	1901.7	1775.7	1597.7	1488.4	1437.5
32.5°	1836.4	1694.2	1491.3	1375.1	1330.0
35°	1765.9	1600.5	1393.6	1262.4	1215.6
37.5°	1682.6	1499.4	1277.4	1157.2	1116.2
40°	1591.3	1389.6	1161.8	1056.0	1023.7
42.5°	1487.2	1278.0	1053.2	961.8	934.1
45°	1376.8	1161.2	951.4	879.2	861.8
47.5°	1256.6	1044.5	856.0	804.6	791.9
50°	1127.1	927.7	763.6	735.2	735.8
52.5°	1004.0	817.3	685.0	677.4	675.7
55°	871.1	711.0	611.5	619.1	620.8
57.5°	750.9	612.1	549.1	563.0	564.7
60°	636.4	523.7	489.6	511.0	513.9
62.5°	531.8	448.0	438.7	460.7	460.1
65°	432.4	379.2	390.2	412.7	414.4
67.5°	348.0	323.1	349.7	369.4	368.2
70°	276.3	272.8	310.4	331.2	330.1
72.5°	215.0	230.6	279.8	297.7	293.1
75°	159.5	194.2	251.4	268.2	264.2
77.5°	117.3	164.2	226.6	242.8	239.9
80°	80.3	139.3	205.2	222.0	218.5
82.5°	51.4	118.5	186.7	202.9	200.6
85°	27.7	100.0	169.9	187.3	184.4
87.5°	10.4	85.0	154.9	172.3	171.1
90°	1.2	72.8	141.6	159.5	158.4
92.5°	1.7	61.8	128.9	147.4	147.4
95°	2.9	51.4	117.3	135.8	135.3
97.5°	2.3	43.4	104.6	124.9	124.9
100°	2.3	35.8	93.1	113.3	114.4
102.5°	2.3	28.3	83.2	102.9	105.2
105°	1.7	20.2	73.4	93.6	96.0
107.5°	1.7	11.6	63.6	85.0	87.9
110°	1.7	2.9	54.9	75.7	79.2



TEST NUMBER: P290140

CATALOG NUMBER: 8SSRK-LN-60-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	1.7	46.2	67.1	70.5
115°	1.7	1.7	37.6	58.4	63.6
117.5°	1.2	1.2	27.7	50.9	55.5
120°	1.2	1.2	17.3	42.8	47.4
122.5°	1.2	1.2	7.5	34.1	40.5
125°	1.2	1.2	1.2	25.4	31.8
127.5°	1.2	1.2	0.6	15.0	22.5
130°	1.2	1.2	0.6	5.8	13.9
132.5°	1.2	1.2	0.6	0.6	4.0
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)