

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: P290076

Luminaire Tested: **8SSRK-RB-12-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290076
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-RB-12-L930-CD1-U
Description: 12000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8879.2 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.65 / 1.6
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

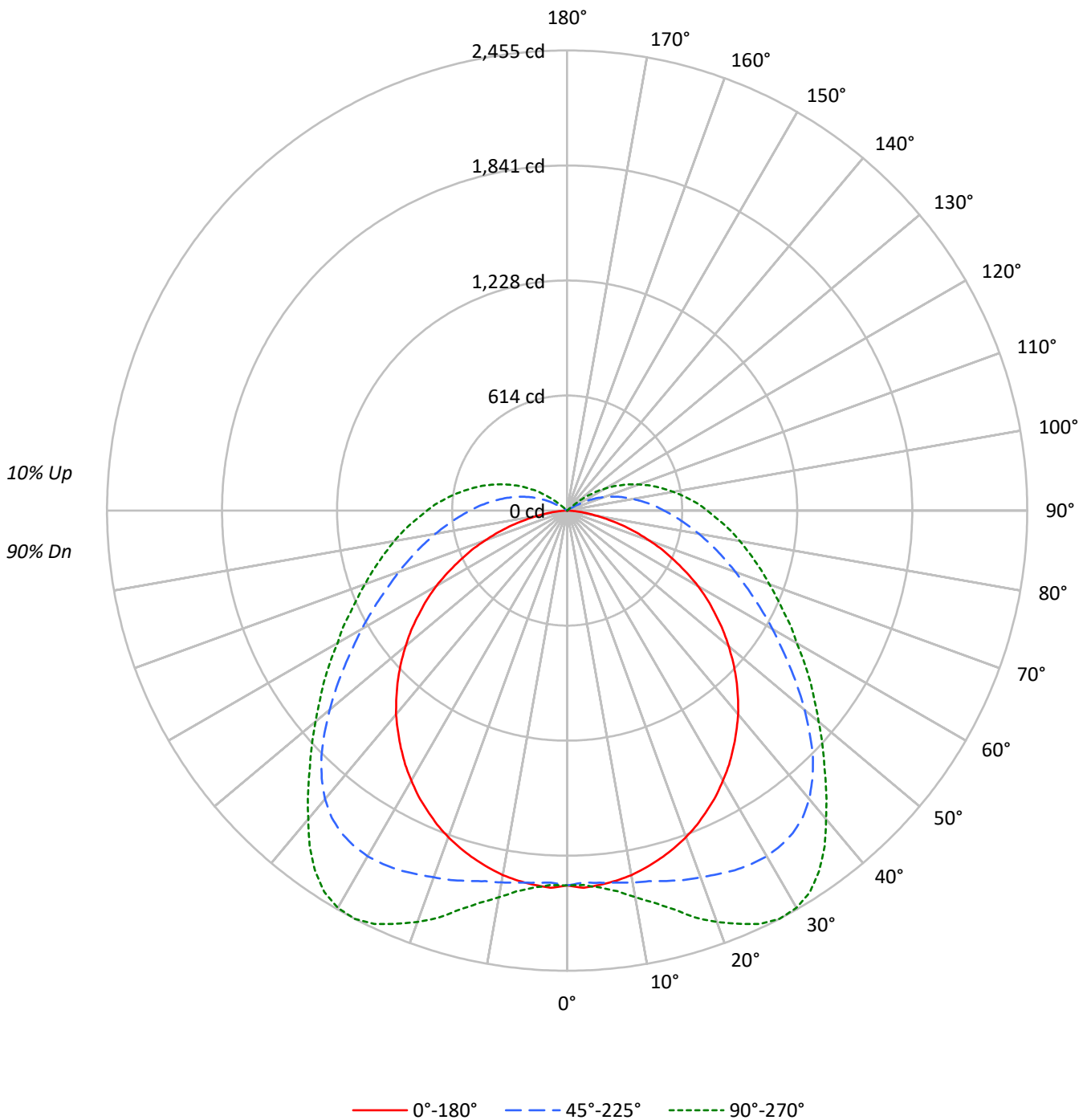
Input Watts (W): 80.8951
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	104	98	93	88	100	95	90	86	89	85	81	83	80	77	78	75	73	70
2	94	84	77	70	90	82	74	68	76	70	65	71	67	62	67	63	59	57
3	85	73	64	57	81	71	63	56	66	60	54	62	56	52	58	54	49	47
4	77	64	55	48	74	62	54	47	59	51	45	55	49	44	52	46	42	39
5	71	57	48	41	68	56	47	40	52	45	39	49	43	37	46	41	36	34
6	65	51	42	35	63	50	41	35	47	39	34	44	38	32	42	36	31	29
7	60	46	37	31	58	45	36	30	43	35	29	40	34	29	38	32	28	25
8	56	42	33	27	54	41	33	27	39	31	26	37	30	25	35	29	25	22
9	52	38	30	24	50	37	29	24	36	28	23	34	27	23	32	26	22	20
10	49	35	27	22	47	34	27	22	33	26	21	31	25	20	30	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	64564	64564	64564
5°	64867	51734	48475
10°	64513	43998	40267
15°	63894	38817	35528
20°	63235	35166	32677
25°	62310	32428	30259
30°	61249	30063	27574
35°	60072	27673	24321
40°	58838	25014	20795
45°	57127	22032	17731
50°	55103	18932	15260
55°	52862	16135	13266
60°	50266	13803	11516
65°	46144	11823	10152
70°	41731	10233	9038
75°	35273	8897	8122
80°	26510	7751	7354
85°	14513	6740	6651



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.2	2.2
10°-20°	584.9	6.6
20°-30°	973.7	11.0
30°-40°	1259.3	14.2
40°-50°	1330.1	15.0
50°-60°	1226.4	13.8
60°-70°	1030.6	11.6
70°-80°	807.5	9.1
80°-90°	594.0	6.7
90°-100°	423.3	4.8
100°-110°	271.9	3.1
110°-120°	142.7	1.6
120°-130°	41.5	0.5
130°-140°	1.0	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°	1750.9	19.7
0°-40°	3010.2	33.9
0°-60°	5566.7	62.7
0°-90°	7998.8	90.1
90°-120°	838.0	9.4
90°-150°	880.5	9.9
90°-180°	880.0	9.9
0°-180°	8879.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1999	1999	1999	1999	1999	
5°	2005	2004	1993	2019	2019	190
15°	1922	1960	2046	2167	2202	542
25°	1766	1865	2117	2359	2433	814
35°	1546	1718	2100	2314	2345	967
45°	1277	1504	1854	1934	1941	984
55°	967	1202	1450	1549	1582	865
65°	631	864	1098	1233	1273	628
75°	305	562	828	985	1037	324
85°	48	328	609	783	839	64
90°	1	241	517	692	747	3
95°	3	174	435	607	661	2
105°	3	57	283	440	492	3
115°	2	3	136	274	321	3
125°	2	1	0	98	145	2
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



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CATALOG NUMBER: 8SSRK-RB-12-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1999.4	1999.4	1999.4	1999.4	1999.4
2.5°	2014.5	2005.9	1986.5	2003.7	1999.4
5°	2004.8	2003.7	1993.0	2018.8	2018.8
7.5°	1991.9	1996.2	2001.6	2044.6	2047.9
10°	1974.7	1987.6	2014.5	2080.2	2094.2
12.5°	1949.9	1973.6	2025.3	2120.0	2142.6
15°	1921.9	1959.6	2045.7	2167.4	2201.8
17.5°	1889.6	1939.1	2066.2	2225.5	2277.2
20°	1854.1	1918.7	2082.3	2278.3	2335.3
22.5°	1813.1	1893.9	2099.5	2321.3	2385.9
25°	1765.8	1864.8	2116.8	2359.0	2433.3
27.5°	1718.4	1834.7	2126.5	2382.7	2454.9
30°	1662.4	1801.3	2129.7	2385.9	2447.3
32.5°	1607.5	1764.7	2120.0	2363.3	2411.8
35°	1546.1	1718.4	2099.5	2313.8	2345.0
37.5°	1482.6	1668.9	2064.0	2237.4	2256.7
40°	1420.2	1622.6	2009.1	2140.5	2149.1
42.5°	1348.0	1563.4	1938.0	2038.2	2046.8
45°	1277.0	1504.1	1854.1	1933.7	1941.3
47.5°	1201.6	1436.3	1755.0	1829.3	1847.6
50°	1124.1	1362.0	1653.8	1732.4	1751.8
52.5°	1048.7	1285.6	1551.5	1640.9	1663.5
55°	966.9	1201.6	1450.3	1549.4	1581.7
57.5°	888.3	1118.7	1352.3	1462.1	1497.7
60°	806.4	1033.6	1266.2	1381.4	1413.7
62.5°	720.3	947.5	1177.9	1307.1	1348.0
65°	630.9	863.5	1098.2	1232.8	1272.6
67.5°	552.3	782.8	1021.8	1163.9	1209.1
70°	467.3	705.2	955.0	1102.5	1147.8
72.5°	384.4	633.1	888.3	1043.3	1091.8
75°	304.7	562.0	828.0	985.2	1036.9
77.5°	227.2	496.4	768.8	932.4	984.1
80°	159.4	436.1	713.8	881.8	936.7
82.5°	99.1	382.2	660.0	832.3	888.3
85°	48.5	328.4	609.4	782.8	838.7
87.5°	14.0	281.0	562.0	735.4	790.3
90°	1.1	241.2	516.8	692.3	747.2
92.5°	2.2	205.6	478.1	649.2	707.4
95°	3.2	174.4	435.0	607.3	661.1
97.5°	3.2	144.3	395.1	565.3	618.0
100°	3.2	115.2	356.4	521.1	575.0
102.5°	3.2	87.2	318.7	480.2	531.9
105°	3.2	57.1	283.2	440.4	492.0
107.5°	3.2	24.8	245.5	397.3	449.0
110°	3.2	5.4	208.9	357.5	408.1



TEST NUMBER: P290076

CATALOG NUMBER: 8SSRK-RB-12-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	3.2	174.4	315.5	366.1
115°	2.2	3.2	135.7	273.5	320.9
117.5°	2.2	2.2	92.6	232.6	281.0
120°	2.2	2.2	48.5	191.7	235.8
122.5°	2.2	1.1	9.7	146.4	194.9
125°	2.2	1.1	0.0	98.0	145.4
127.5°	2.2	1.1	0.0	50.6	99.1
130°	1.1	1.1	0.0	7.5	47.4
132.5°	1.1	1.1	0.0	0.0	2.2
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)