

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: P290064

Luminaire Tested: **8SSRK-RB-80-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290064
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-80-L830-CD1-U
Description: 8000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8095.0 lumens
Efficiency: N/A
Efficacy: 142.9 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

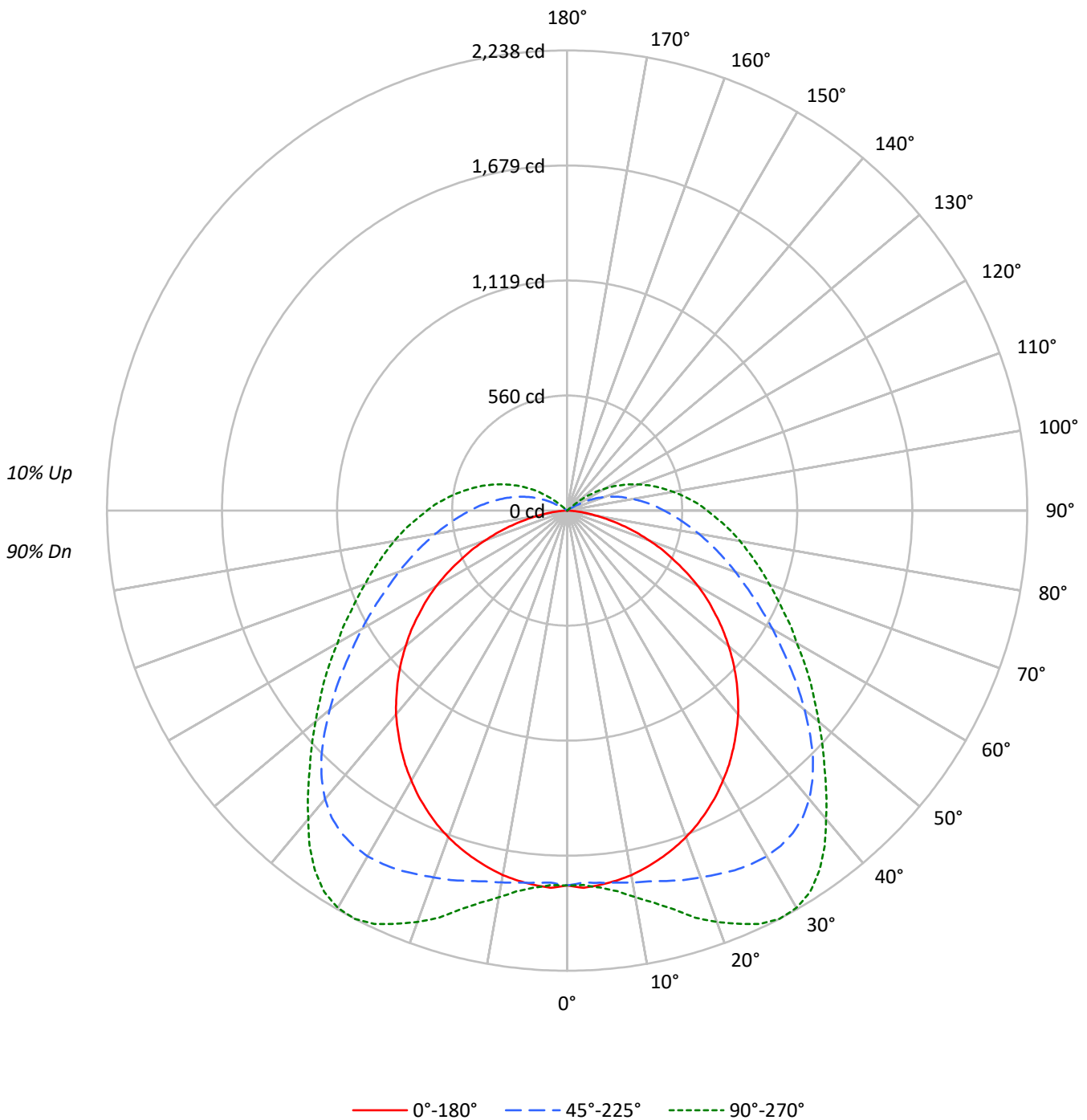
Input Watts (W): 56.6491
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	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°	58861	58861	58861
5°	59137	47163	44194
10°	58812	40112	36710
15°	58249	35389	32392
20°	57648	32060	29792
25°	56805	29564	27586
30°	55841	27407	25139
35°	54768	25229	22174
40°	53639	22806	18959
45°	52081	20085	16164
50°	50235	17260	13912
55°	48193	14710	12094
60°	45828	12584	10499
65°	42070	10779	9255
70°	38043	9329	8240
75°	32159	8111	7405
80°	24165	7067	6705
85°	13227	6145	6064



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.3	2.2
10°-20°	533.3	6.6
20°-30°	887.7	11.0
30°-40°	1148.1	14.2
40°-50°	1212.6	15.0
50°-60°	1118.0	13.8
60°-70°	939.5	11.6
70°-80°	736.2	9.1
80°-90°	541.6	6.7
90°-100°	385.9	4.8
100°-110°	247.9	3.1
110°-120°	130.1	1.6
120°-130°	37.8	0.5
130°-140°	0.9	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°	1596.2	19.7
0°-40°	2744.4	33.9
0°-60°	5075.0	62.7
0°-90°	7292.3	90.1
90°-120°	763.9	9.4
90°-150°	802.6	9.9
90°-180°	803.0	9.9
0°-180°	8095.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1823	1823	1823	1823	1823	
5°	1828	1827	1817	1840	1840	174
15°	1752	1786	1865	1976	2007	494
25°	1610	1700	1930	2151	2218	742
35°	1410	1567	1914	2109	2138	882
45°	1164	1371	1690	1763	1770	897
55°	882	1096	1322	1412	1442	789
65°	575	787	1001	1124	1160	573
75°	278	512	755	898	945	295
85°	44	299	556	714	765	58
90°	1	220	471	631	681	2
95°	3	159	397	554	603	2
105°	3	52	258	402	449	3
115°	2	3	124	249	292	2
125°	2	1	0	89	132	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



TEST NUMBER: P290064

CATALOG NUMBER: 8SSRK-RB-80-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1822.8	1822.8	1822.8	1822.8	1822.8
2.5°	1836.6	1828.7	1811.0	1826.7	1822.8
5°	1827.7	1826.7	1816.9	1840.5	1840.5
7.5°	1815.9	1819.9	1824.8	1864.0	1867.0
10°	1800.2	1812.0	1836.6	1896.4	1909.2
12.5°	1777.7	1799.3	1846.4	1932.8	1953.4
15°	1752.1	1786.5	1865.0	1975.9	2007.4
17.5°	1722.7	1767.8	1883.7	2029.0	2076.1
20°	1690.3	1749.2	1898.4	2077.1	2129.1
22.5°	1653.0	1726.6	1914.1	2116.3	2175.2
25°	1609.8	1700.1	1929.8	2150.7	2218.4
27.5°	1566.6	1672.6	1938.6	2172.3	2238.0
30°	1515.6	1642.2	1941.6	2175.2	2231.2
32.5°	1465.5	1608.8	1932.8	2154.6	2198.8
35°	1409.6	1566.6	1914.1	2109.4	2137.9
37.5°	1351.7	1521.5	1881.7	2039.8	2057.4
40°	1294.7	1479.3	1831.7	1951.4	1959.3
42.5°	1229.0	1425.3	1766.9	1858.2	1866.0
45°	1164.2	1371.3	1690.3	1762.9	1769.8
47.5°	1095.5	1309.4	1600.0	1667.7	1684.4
50°	1024.8	1241.7	1507.7	1579.4	1597.1
52.5°	956.1	1172.0	1414.5	1495.9	1516.6
55°	881.5	1095.5	1322.2	1412.5	1442.0
57.5°	809.8	1019.9	1232.9	1333.0	1365.4
60°	735.2	942.3	1154.4	1259.4	1288.8
62.5°	656.7	863.8	1073.9	1191.7	1229.0
65°	575.2	787.2	1001.2	1123.9	1160.2
67.5°	503.6	713.6	931.5	1061.1	1102.3
70°	426.0	642.9	870.7	1005.2	1046.4
72.5°	350.4	577.2	809.8	951.2	995.3
75°	277.8	512.4	754.8	898.2	945.3
77.5°	207.1	452.5	700.9	850.1	897.2
80°	145.3	397.5	650.8	803.9	854.0
82.5°	90.3	348.5	601.7	758.8	809.8
85°	44.2	299.4	555.6	713.6	764.7
87.5°	12.8	256.2	512.4	670.4	720.5
90°	1.0	219.9	471.2	631.2	681.2
92.5°	2.0	187.5	435.8	591.9	644.9
95°	2.9	159.0	396.6	553.6	602.7
97.5°	2.9	131.5	360.2	515.3	563.4
100°	2.9	105.0	324.9	475.1	524.2
102.5°	2.9	79.5	290.6	437.8	484.9
105°	2.9	52.0	258.2	401.5	448.6
107.5°	2.9	22.6	223.8	362.2	409.3
110°	2.9	4.9	190.4	325.9	372.0



TEST NUMBER: P290064

CATALOG NUMBER: 8SSRK-RB-80-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	2.9	159.0	287.6	333.7
115°	2.0	2.9	123.7	249.3	292.5
117.5°	2.0	2.0	84.4	212.0	256.2
120°	2.0	2.0	44.2	174.7	215.0
122.5°	2.0	1.0	8.8	133.5	177.7
125°	2.0	1.0	0.0	89.3	132.5
127.5°	2.0	1.0	0.0	46.1	90.3
130°	1.0	1.0	0.0	6.9	43.2
132.5°	1.0	1.0	0.0	0.0	2.0
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)