

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: P290073

Luminaire Tested: **8SSRK-RB-10-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290073
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-10-L835-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10104.3 lumens
Efficiency: N/A
Efficacy: 140.5 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

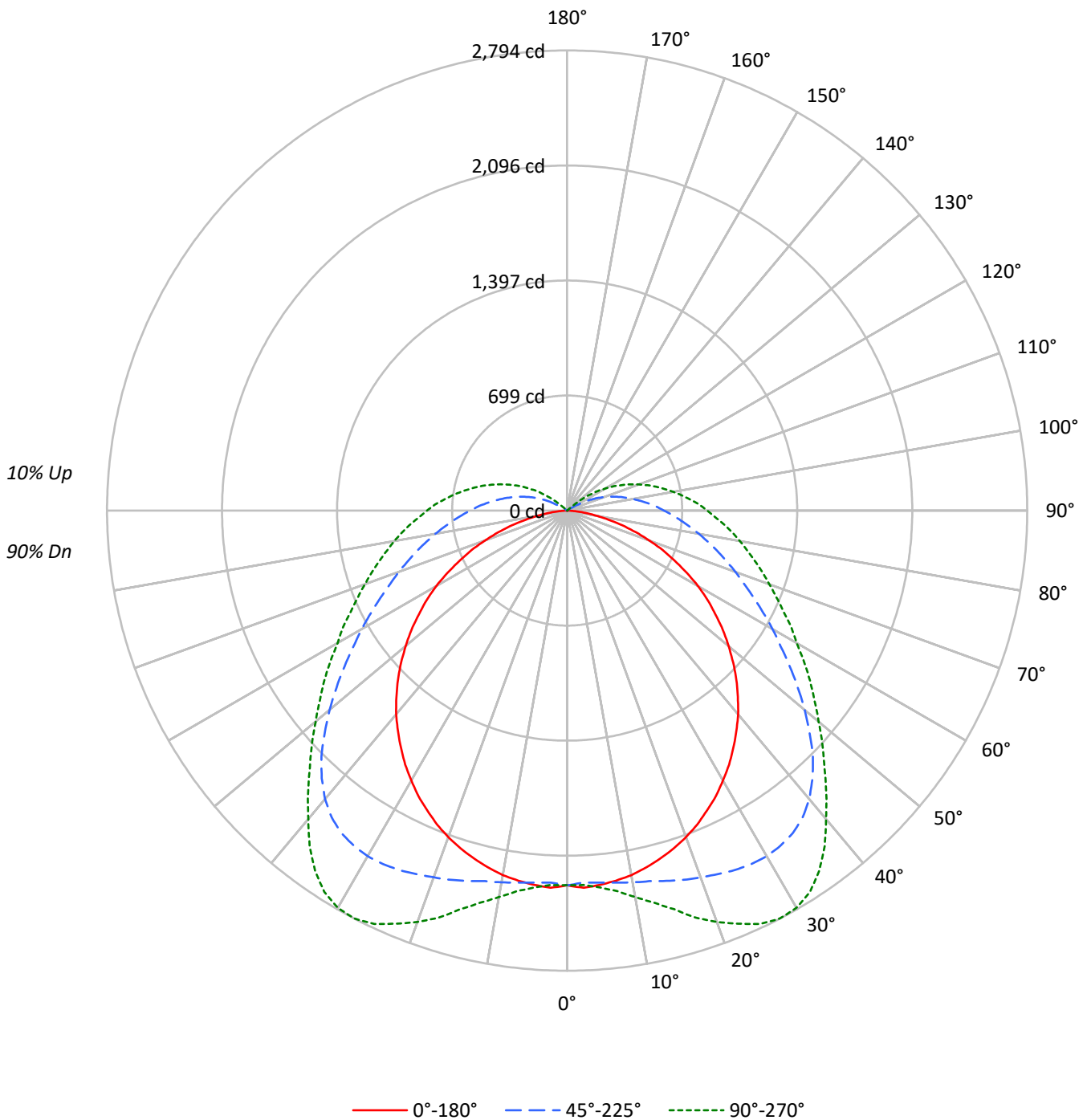
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	73473	73473	73473
5°	73817	58870	55162
10°	73412	50067	45822
15°	72710	44174	40431
20°	71959	40018	37187
25°	70906	36902	34434
30°	69701	34210	31379
35°	68363	31491	27678
40°	66954	28466	23664
45°	65005	25071	20177
50°	62706	21545	17366
55°	60155	18361	15096
60°	57204	15707	13105
65°	52515	13455	11553
70°	47491	11645	10285
75°	40135	10125	9242
80°	30152	8821	8370
85°	16488	7671	7569



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.8	2.2
10°-20°	665.6	6.6
20°-30°	1108.1	11.0
30°-40°	1433.1	14.2
40°-50°	1513.6	15.0
50°-60°	1395.6	13.8
60°-70°	1172.8	11.6
70°-80°	918.9	9.1
80°-90°	676.0	6.7
90°-100°	481.7	4.8
100°-110°	309.4	3.1
110°-120°	162.4	1.6
120°-130°	47.2	0.5
130°-140°	1.1	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°	1992.5	19.7
0°-40°	3425.6	33.9
0°-60°	6334.7	62.7
0°-90°	9102.4	90.1
90°-120°	953.6	9.4
90°-150°	1001.9	9.9
90°-180°	1002.0	9.9
0°-180°	10104.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2275	2275	2275	2275	2275	
5°	2281	2280	2268	2297	2297	217
15°	2187	2230	2328	2466	2506	617
25°	2009	2122	2409	2684	2769	926
35°	1760	1956	2389	2633	2669	1101
45°	1453	1712	2110	2200	2209	1120
55°	1100	1367	1650	1763	1800	984
65°	718	983	1250	1403	1448	715
75°	347	640	942	1121	1180	369
85°	55	374	694	891	954	72
90°	1	274	588	788	850	3
95°	4	198	495	691	752	3
105°	4	65	322	501	560	4
115°	2	4	154	311	365	3
125°	2	1	0	112	165	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2275.3	2275.3	2275.3	2275.3	2275.3
2.5°	2292.4	2282.6	2260.6	2280.2	2275.3
5°	2281.4	2280.2	2267.9	2297.3	2297.3
7.5°	2266.7	2271.6	2277.7	2326.7	2330.4
10°	2247.1	2261.8	2292.4	2367.2	2383.1
12.5°	2218.9	2245.9	2304.7	2412.5	2438.2
15°	2187.1	2229.9	2328.0	2466.4	2505.6
17.5°	2150.3	2206.7	2351.2	2532.6	2591.4
20°	2109.9	2183.4	2369.6	2592.6	2657.6
22.5°	2063.3	2155.2	2389.2	2641.6	2715.1
25°	2009.4	2122.1	2408.8	2684.5	2769.1
27.5°	1955.5	2087.8	2419.9	2711.5	2793.6
30°	1891.8	2049.8	2423.5	2715.1	2785.0
32.5°	1829.3	2008.2	2412.5	2689.4	2744.6
35°	1759.5	1955.5	2389.2	2633.1	2668.6
37.5°	1687.2	1899.1	2348.8	2546.1	2568.1
40°	1616.1	1846.4	2286.3	2435.8	2445.6
42.5°	1534.0	1779.1	2205.4	2319.4	2329.2
45°	1453.1	1711.7	2109.9	2200.5	2209.1
47.5°	1367.4	1634.5	1997.2	2081.7	2102.5
50°	1279.2	1549.9	1882.0	1971.4	1993.5
52.5°	1193.4	1462.9	1765.6	1867.3	1893.0
55°	1100.3	1367.4	1650.4	1763.1	1799.9
57.5°	1010.8	1273.0	1538.9	1663.9	1704.3
60°	917.7	1176.2	1440.9	1572.0	1608.7
62.5°	819.7	1078.2	1340.4	1487.4	1534.0
65°	718.0	982.6	1249.8	1402.9	1448.2
67.5°	628.6	890.8	1162.8	1324.5	1376.0
70°	531.8	802.5	1086.8	1254.7	1306.1
72.5°	437.4	720.4	1010.8	1187.3	1242.4
75°	346.7	639.6	942.2	1121.1	1179.9
77.5°	258.5	564.8	874.8	1061.1	1119.9
80°	181.3	496.2	812.3	1003.5	1066.0
82.5°	112.7	435.0	751.1	947.1	1010.8
85°	55.1	373.7	693.5	890.8	954.5
87.5°	15.9	319.8	639.6	836.8	899.3
90°	1.2	274.5	588.1	787.8	850.3
92.5°	2.5	234.0	544.0	738.8	805.0
95°	3.7	198.5	495.0	691.0	752.3
97.5°	3.7	164.2	449.7	643.3	703.3
100°	3.7	131.1	405.6	593.0	654.3
102.5°	3.7	99.2	362.7	546.5	605.3
105°	3.7	64.9	322.2	501.1	559.9
107.5°	3.7	28.2	279.4	452.1	510.9
110°	3.7	6.1	237.7	406.8	464.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.7	3.7	198.5	359.0	416.6
115°	2.5	3.7	154.4	311.2	365.1
117.5°	2.5	2.5	105.4	264.7	319.8
120°	2.5	2.5	55.1	218.1	268.3
122.5°	2.5	1.2	11.0	166.6	221.8
125°	2.5	1.2	0.0	111.5	165.4
127.5°	2.5	1.2	0.0	57.6	112.7
130°	1.2	1.2	0.0	8.6	53.9
132.5°	1.2	1.2	0.0	0.0	2.5
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)