

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: P290509

Luminaire Tested: **8SSRK-SLW-10-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290509  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-17)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SSRK-SLW-10-L935-CD1-U  
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8263.7 lumens  
Efficiency: N/A  
Efficacy: 114.9 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Direct

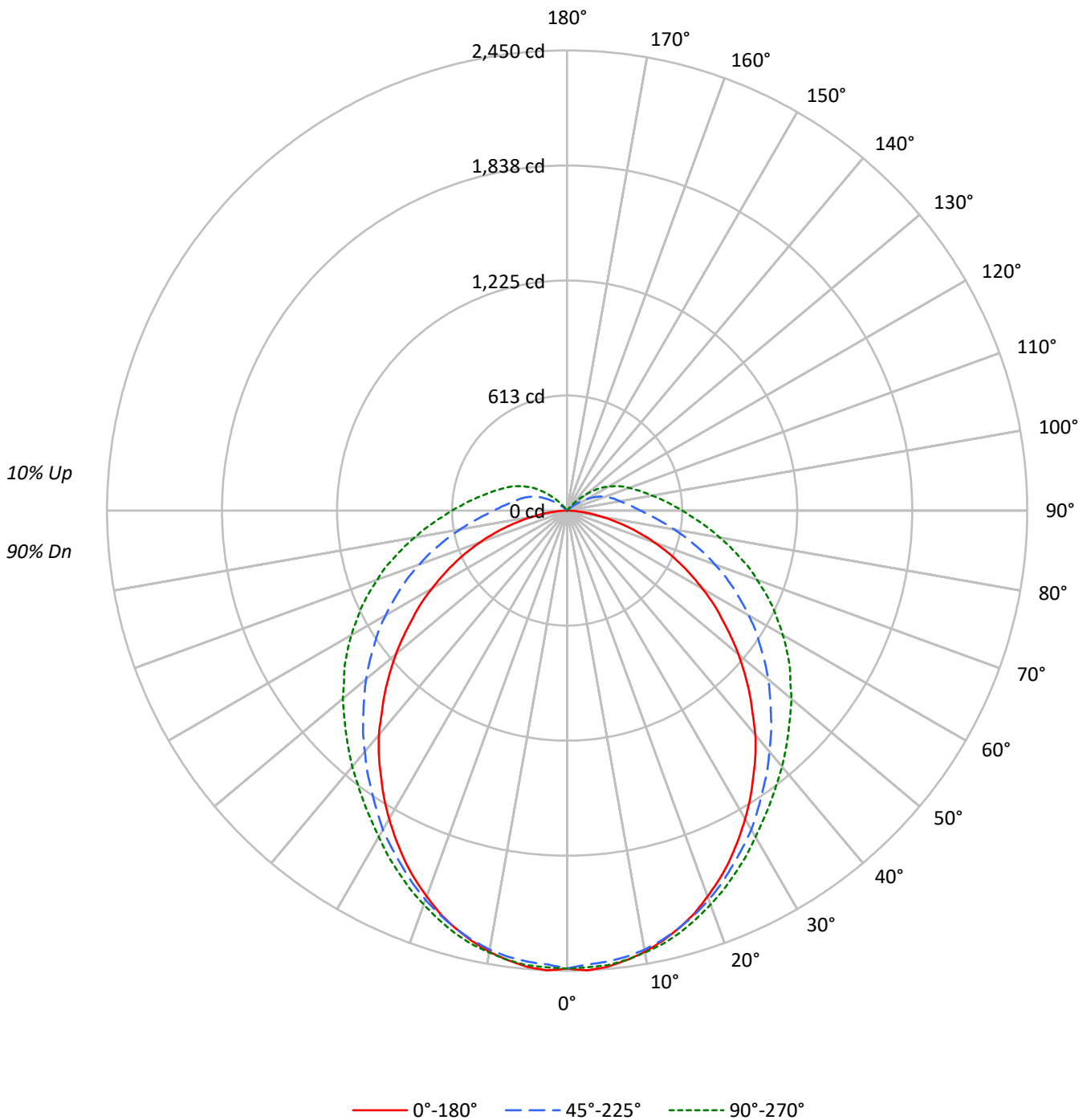
Input Watts (W): 71.9151  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	99	94	89	101	96	91	87	89	86	82	84	81	78	79	76	74	71
2	94	85	78	71	91	82	76	70	77	72	67	72	68	64	68	64	61	58
3	86	74	66	59	82	72	64	58	68	61	55	63	58	53	60	55	51	48
4	78	66	56	49	75	64	55	49	60	53	47	56	50	45	53	48	43	41
5	72	59	49	42	69	57	48	42	54	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	43	37	33	31
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	21	20

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

	0°	45°	90°
0°	78730	78730	78730
5°	78887	62592	58346
10°	77937	51834	45949
15°	76503	43665	37531
20°	74554	37246	31236
25°	72377	31943	26427
30°	69845	27690	22601
35°	67139	23943	19609
40°	64597	20861	17229
45°	61417	18234	15218
50°	58368	15999	13582
55°	55027	13958	12136
60°	51837	12172	10807
65°	48251	10515	9622
70°	43928	8965	8469
75°	38248	7542	7425
80°	30983	6281	6473
85°	21875	5236	5640



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.4	2.8
10°-20°	651.6	7.9
20°-30°	964.0	11.7
30°-40°	1138.5	13.8
40°-50°	1183.5	14.3
50°-60°	1115.9	13.5
60°-70°	951.2	11.5
70°-80°	719.3	8.7
80°-90°	485.4	5.9
90°-100°	333.2	4.0
100°-110°	239.0	2.9
110°-120°	153.3	1.9
120°-130°	78.2	0.9
130°-140°	19.9	0.2
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1846.0	22.3
0°-40°	2984.6	36.1
0°-60°	5283.9	63.9
0°-90°	7439.8	90.0
90°-120°	725.6	8.8
90°-150°	823.9	10.0
90°-180°	824.0	10.0
0°-180°	8263.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2438	2438	2438	2438	2438	
5°	2438	2432	2411	2434	2430	231
15°	2301	2308	2301	2324	2326	648
25°	2051	2075	2085	2121	2125	944
35°	1728	1769	1816	1871	1891	1082
45°	1373	1441	1534	1629	1666	1059
55°	1006	1110	1255	1389	1447	903
65°	660	794	977	1138	1206	654
75°	330	491	702	881	948	353
85°	73	246	473	648	711	83
90°	1	174	389	555	613	4
95°	1	138	331	478	531	1
105°	2	88	251	361	402	2
115°	2	11	174	273	307	2
125°	2	3	73	170	204	2
135°	2	1	1	54	79	2
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°	2438.1	2438.1	2438.1	2438.1	2438.1
2.5°	2450.5	2442.2	2418.5	2439.1	2434.0
5°	2438.1	2431.9	2411.3	2434.0	2429.9
7.5°	2414.4	2413.4	2396.9	2420.6	2413.4
10°	2385.6	2386.6	2373.3	2396.9	2389.7
12.5°	2346.5	2350.6	2341.4	2364.0	2363.0
15°	2301.2	2308.4	2301.2	2323.9	2325.9
17.5°	2249.8	2261.1	2255.9	2283.7	2280.6
20°	2186.0	2201.4	2205.5	2233.3	2232.3
22.5°	2122.1	2141.7	2148.9	2177.7	2181.8
25°	2051.1	2074.8	2085.1	2121.1	2125.2
27.5°	1973.9	2004.8	2023.3	2059.4	2068.6
30°	1895.7	1928.7	1961.6	1997.6	2005.9
32.5°	1814.4	1850.4	1888.5	1937.9	1947.2
35°	1728.0	1769.1	1816.5	1871.0	1890.6
37.5°	1646.7	1693.0	1748.6	1812.4	1833.0
40°	1559.2	1606.5	1675.5	1747.5	1780.5
42.5°	1461.4	1525.2	1607.6	1694.0	1722.8
45°	1372.9	1440.8	1534.5	1629.2	1666.2
47.5°	1280.3	1359.5	1465.5	1570.5	1610.7
50°	1190.7	1277.2	1397.6	1510.8	1559.2
52.5°	1098.1	1195.9	1326.6	1452.2	1497.4
55°	1006.5	1110.5	1254.6	1389.4	1447.0
57.5°	924.2	1030.2	1189.7	1327.6	1386.3
60°	831.6	954.0	1116.6	1264.8	1326.6
62.5°	746.1	870.7	1044.6	1202.1	1263.8
65°	659.7	793.5	976.7	1138.3	1206.2
67.5°	578.4	713.2	907.7	1075.5	1140.3
70°	491.9	638.1	836.7	1009.6	1075.5
72.5°	412.7	563.0	770.8	945.8	1016.8
75°	330.4	490.9	701.9	881.0	947.9
77.5°	257.3	420.9	640.1	820.2	887.1
80°	186.3	357.1	578.4	759.5	824.4
82.5°	126.6	298.5	523.8	704.0	767.8
85°	73.1	246.0	473.4	648.4	711.2
87.5°	27.8	204.8	428.1	600.0	657.6
90°	1.0	173.9	389.0	554.7	613.4
92.5°	1.0	152.3	359.2	513.6	568.1
95°	1.0	137.9	331.4	477.5	531.1
97.5°	2.1	126.6	306.7	445.6	493.0
100°	2.1	115.3	286.1	414.8	460.0
102.5°	2.1	103.9	267.6	387.0	429.2
105°	2.1	88.5	251.1	361.2	402.4
107.5°	2.1	69.0	232.6	339.6	375.6
110°	2.1	50.4	213.0	318.0	353.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	30.9	195.5	296.4	330.4
115°	2.1	11.3	173.9	272.7	306.7
117.5°	2.1	4.1	148.2	250.1	279.9
120°	2.1	3.1	123.5	225.4	255.2
122.5°	2.1	3.1	97.8	198.6	230.5
125°	2.1	3.1	73.1	169.8	203.8
127.5°	2.1	2.1	47.3	140.0	170.8
130°	2.1	2.1	22.6	111.2	141.0
132.5°	2.1	2.1	1.0	81.3	110.1
135°	2.1	1.0	1.0	53.5	79.2
137.5°	2.1	1.0	0.0	25.7	51.5
140°	2.1	1.0	0.0	0.0	20.6
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)