

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: P290508

Luminaire Tested: **8SSRK-SLW-10-L930-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290508  
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-L930-CD1-U  
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7785.1 lumens  
Efficiency: N/A  
Efficacy: 108.3 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

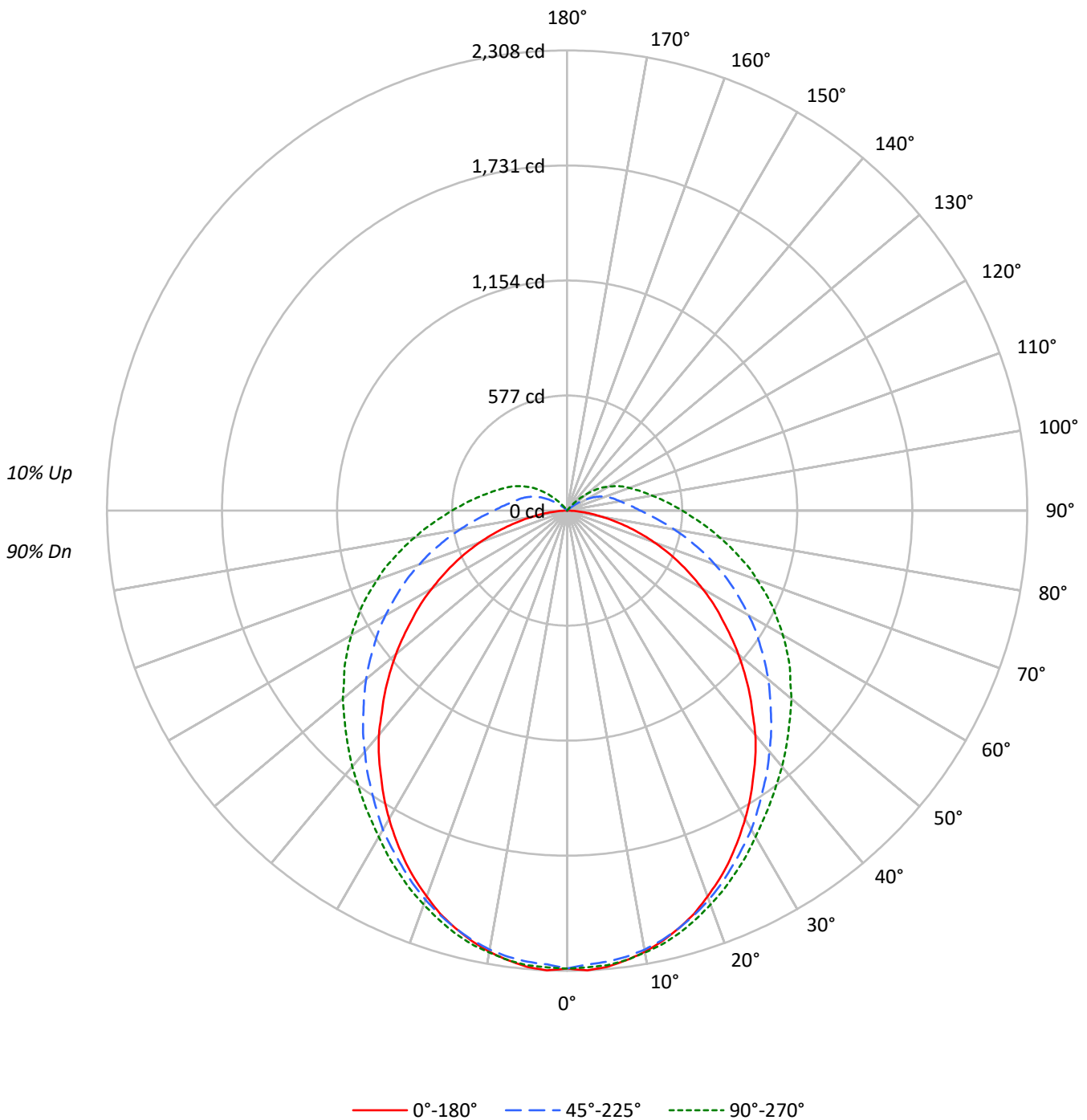
Input Watts (W): 71.9151  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	74170	74170	74170
5°	74318	58969	54965
10°	73422	48831	43288
15°	72072	41136	35357
20°	70236	35090	29426
25°	68185	30092	24897
30°	65799	26086	21291
35°	63250	22556	18473
40°	60856	19652	16230
45°	57860	17178	14337
50°	54990	15073	12796
55°	51840	13149	11433
60°	48832	11468	10181
65°	45457	9906	9065
70°	41392	8447	7978
75°	36026	7105	6995
80°	29187	5917	6097
85°	20588	4933	5313



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.1	2.8
10°-20°	613.9	7.9
20°-30°	908.2	11.7
30°-40°	1072.6	13.8
40°-50°	1115.0	14.3
50°-60°	1051.2	13.5
60°-70°	896.1	11.5
70°-80°	677.7	8.7
80°-90°	457.3	5.9
90°-100°	313.9	4.0
100°-110°	225.2	2.9
110°-120°	144.5	1.9
120°-130°	73.7	0.9
130°-140°	18.7	0.2
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1739.1	22.3
0°-40°	2811.7	36.1
0°-60°	4977.9	63.9
0°-90°	7008.9	90.0
90°-120°	683.5	8.8
90°-150°	776.2	10.0
90°-180°	776.0	10.0
0°-180°	7785.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2297	2297	2297	2297	2297	
5°	2297	2291	2272	2293	2289	218
15°	2168	2175	2168	2189	2191	610
25°	1932	1955	1964	1998	2002	889
35°	1628	1667	1711	1763	1781	1019
45°	1293	1357	1446	1535	1570	998
55°	948	1046	1182	1309	1363	851
65°	622	748	920	1072	1136	617
75°	311	462	661	830	893	333
85°	69	232	446	611	670	79
90°	1	164	366	523	578	4
95°	1	130	312	450	500	1
105°	2	83	237	340	379	2
115°	2	11	164	257	289	2
125°	2	3	69	160	192	2
135°	2	1	1	50	75	1
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°	2296.9	2296.9	2296.9	2296.9	2296.9
2.5°	2308.5	2300.8	2278.5	2297.9	2293.0
5°	2296.9	2291.1	2271.7	2293.0	2289.1
7.5°	2274.6	2273.6	2258.1	2280.4	2273.6
10°	2247.4	2248.4	2235.8	2258.1	2251.3
12.5°	2210.6	2214.5	2205.8	2227.1	2226.1
15°	2167.9	2174.7	2167.9	2189.3	2191.2
17.5°	2119.5	2130.1	2125.3	2151.5	2148.6
20°	2059.4	2073.9	2077.8	2104.0	2103.0
22.5°	1999.2	2017.7	2024.4	2051.6	2055.5
25°	1932.3	1954.6	1964.3	1998.3	2002.1
27.5°	1859.6	1888.7	1906.2	1940.1	1948.8
30°	1785.9	1817.0	1848.0	1881.9	1889.7
32.5°	1709.3	1743.3	1779.1	1825.7	1834.4
35°	1627.9	1666.7	1711.3	1762.7	1781.1
37.5°	1551.3	1594.9	1647.3	1707.4	1726.8
40°	1468.9	1513.5	1578.4	1646.3	1677.3
42.5°	1376.8	1436.9	1514.5	1595.9	1623.0
45°	1293.4	1357.4	1445.6	1534.8	1569.7
47.5°	1206.1	1280.8	1380.7	1479.6	1517.4
50°	1121.8	1203.2	1316.7	1423.3	1468.9
52.5°	1034.5	1126.6	1249.8	1368.1	1410.7
55°	948.2	1046.2	1181.9	1308.9	1363.2
57.5°	870.7	970.5	1120.8	1250.7	1306.0
60°	783.4	898.8	1052.0	1191.6	1249.8
62.5°	702.9	820.2	984.1	1132.4	1190.6
65°	621.5	747.5	920.1	1072.3	1136.3
67.5°	544.9	671.9	855.2	1013.2	1074.3
70°	463.5	601.1	788.3	951.1	1013.2
72.5°	388.8	530.4	726.2	891.0	957.9
75°	311.2	462.5	661.2	829.9	893.0
77.5°	242.4	396.6	603.1	772.7	835.8
80°	175.5	336.4	544.9	715.5	776.6
82.5°	119.3	281.2	493.5	663.2	723.3
85°	68.8	231.7	446.0	610.8	670.0
87.5°	26.2	192.9	403.3	565.3	619.6
90°	1.0	163.9	366.5	522.6	577.9
92.5°	1.0	143.5	338.4	483.8	535.2
95°	1.0	129.9	312.2	449.9	500.3
97.5°	1.9	119.3	288.9	419.8	464.4
100°	1.9	108.6	269.5	390.7	433.4
102.5°	1.9	97.9	252.1	364.6	404.3
105°	1.9	83.4	236.6	340.3	379.1
107.5°	1.9	65.0	219.1	320.0	353.9
110°	1.9	47.5	200.7	299.6	332.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	29.1	184.2	279.2	311.2
115°	1.9	10.7	163.9	256.9	288.9
117.5°	1.9	3.9	139.6	235.6	263.7
120°	1.9	2.9	116.3	212.3	240.5
122.5°	1.9	2.9	92.1	187.1	217.2
125°	1.9	2.9	68.8	160.0	192.0
127.5°	1.9	1.9	44.6	131.9	160.9
130°	1.9	1.9	21.3	104.7	132.8
132.5°	1.9	1.9	1.0	76.6	103.7
135°	1.9	1.0	1.0	50.4	74.7
137.5°	1.9	1.0	0.0	24.2	48.5
140°	1.9	1.0	0.0	0.0	19.4
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)