

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: P289676

Luminaire Tested: **4SSRK-80-L930-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289676  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-11)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SSRK-80-L930-CD1-U  
Description: 8000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7080.5 lumens  
Efficiency: N/A  
Efficacy: 112.6 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct

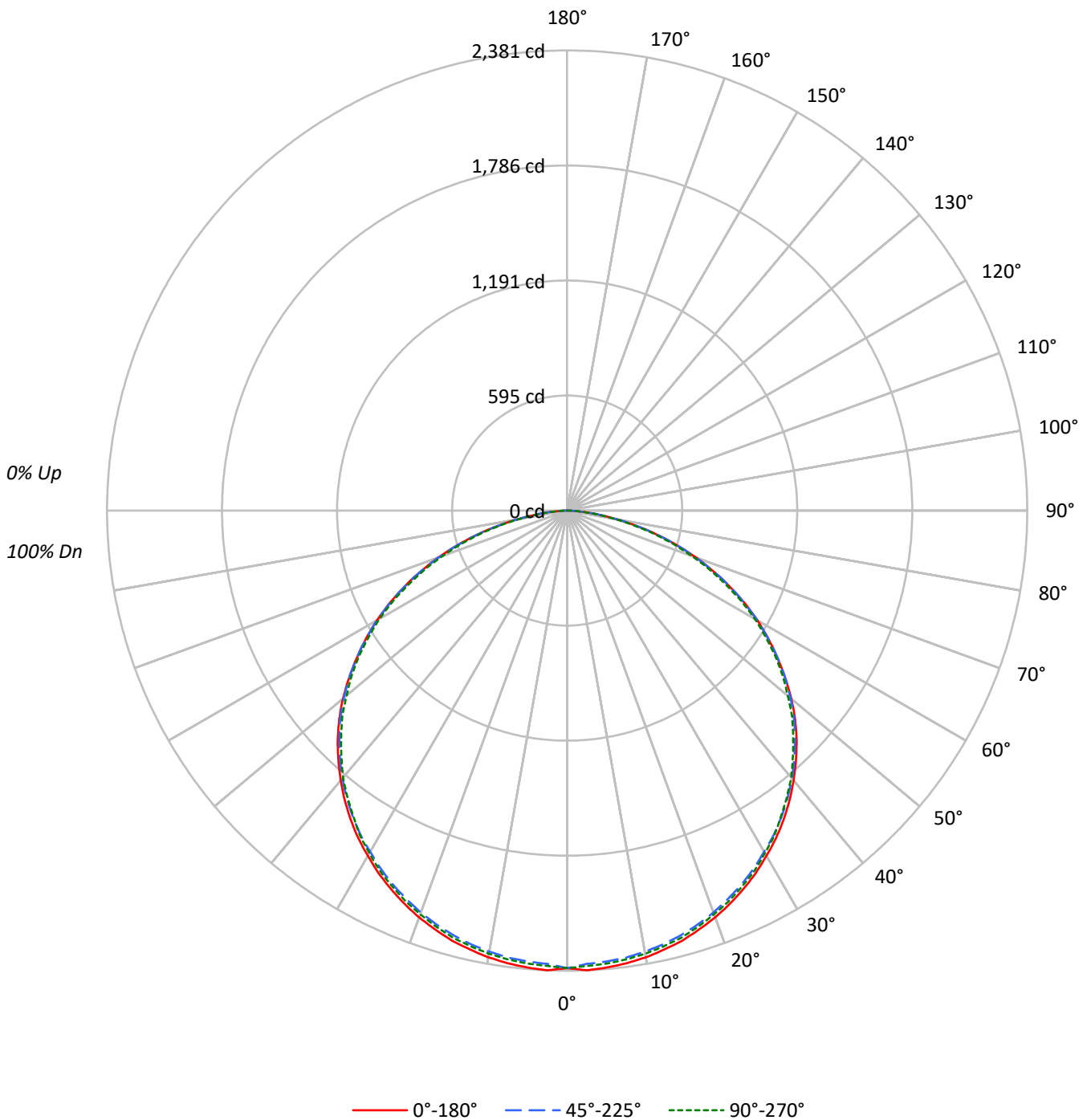
Input Watts (W): 62.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23					23			

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

	0°	45°	90°
0°	152874	152874	152874
5°	153308	121472	112971
10°	152785	101047	89533
15°	152301	86125	73807
20°	151616	74553	62216
25°	150945	65206	53337
30°	150225	57374	46116
35°	149566	50800	40030
40°	148451	44887	34908
45°	147234	39480	30206
50°	144949	34407	25949
55°	141163	29468	22060
60°	136868	24663	18268
65°	130013	19885	14426
70°	120381	15022	10772
75°	104023	10269	7289
80°	79810	5734	3935
85°	47635	2073	1296



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.3	3.2
10°-20°	646.3	9.1
20°-30°	990.5	14.0
30°-40°	1214.2	17.1
40°-50°	1286.3	18.2
50°-60°	1186.0	16.8
60°-70°	911.4	12.9
70°-80°	505.2	7.1
80°-90°	116.2	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	1861.2	26.3
0°-40°	3075.4	43.4
0°-60°	5547.7	78.4
0°-90°	7080.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7080.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2367	2367	2367	2367	2367	
5°	2373	2363	2342	2365	2352	226
15°	2303	2292	2274	2295	2287	650
25°	2159	2152	2134	2156	2145	996
35°	1952	1943	1934	1941	1930	1221
45°	1679	1674	1668	1665	1654	1294
55°	1328	1338	1330	1324	1315	1188
65°	927	929	928	915	904	916
75°	482	482	480	472	465	509
85°	95	96	94	90	82	118
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2367.1	2367.1	2367.1	2367.1	2367.1
2.5°	2381.1	2369.5	2347.7	2369.5	2358.6
5°	2373.4	2363.2	2342.2	2364.8	2352.4
7.5°	2362.5	2353.9	2332.9	2354.7	2342.2
10°	2346.9	2337.6	2317.3	2340.7	2328.2
12.5°	2325.9	2317.3	2297.9	2319.7	2308.8
15°	2303.3	2292.4	2274.5	2294.8	2287.0
17.5°	2272.2	2263.6	2245.7	2265.2	2256.6
20°	2239.5	2231.0	2213.1	2232.5	2223.2
22.5°	2202.2	2193.6	2174.9	2195.9	2186.6
25°	2159.4	2151.6	2134.5	2156.3	2144.6
27.5°	2114.2	2108.0	2089.3	2107.2	2100.2
30°	2062.9	2059.0	2038.8	2052.8	2046.5
32.5°	2010.7	2003.7	1989.7	2000.6	1994.4
35°	1952.4	1943.0	1933.7	1940.7	1929.8
37.5°	1890.1	1883.9	1873.8	1880.0	1867.6
40°	1822.4	1817.0	1809.2	1810.8	1803.8
42.5°	1752.4	1746.2	1739.9	1736.8	1729.1
45°	1679.2	1673.8	1667.6	1665.2	1653.6
47.5°	1599.9	1596.0	1592.1	1586.6	1578.1
50°	1514.3	1515.8	1508.8	1504.2	1489.4
52.5°	1422.5	1431.8	1421.7	1414.7	1406.1
55°	1328.3	1338.4	1329.9	1324.4	1315.1
57.5°	1234.9	1239.6	1234.1	1230.3	1217.8
60°	1136.1	1140.0	1136.1	1127.5	1121.3
62.5°	1034.2	1038.8	1031.0	1024.8	1016.3
65°	926.8	929.1	927.6	915.1	904.2
67.5°	818.6	822.5	817.8	809.3	798.4
70°	710.5	708.1	704.2	698.0	684.0
72.5°	596.1	596.1	595.3	583.6	576.6
75°	481.7	482.5	480.1	472.3	465.3
77.5°	367.3	375.8	369.6	361.8	354.1
80°	265.3	270.8	265.3	255.2	250.6
82.5°	169.6	177.4	172.7	162.6	161.1
85°	94.9	96.5	94.2	89.5	81.7
87.5°	35.8	37.4	38.1	31.1	27.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)