

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: P289716

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289716
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: 8SSRK-10-L930-CD1-U
Description: 10000 LUMEN, 8 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: 8822.2 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

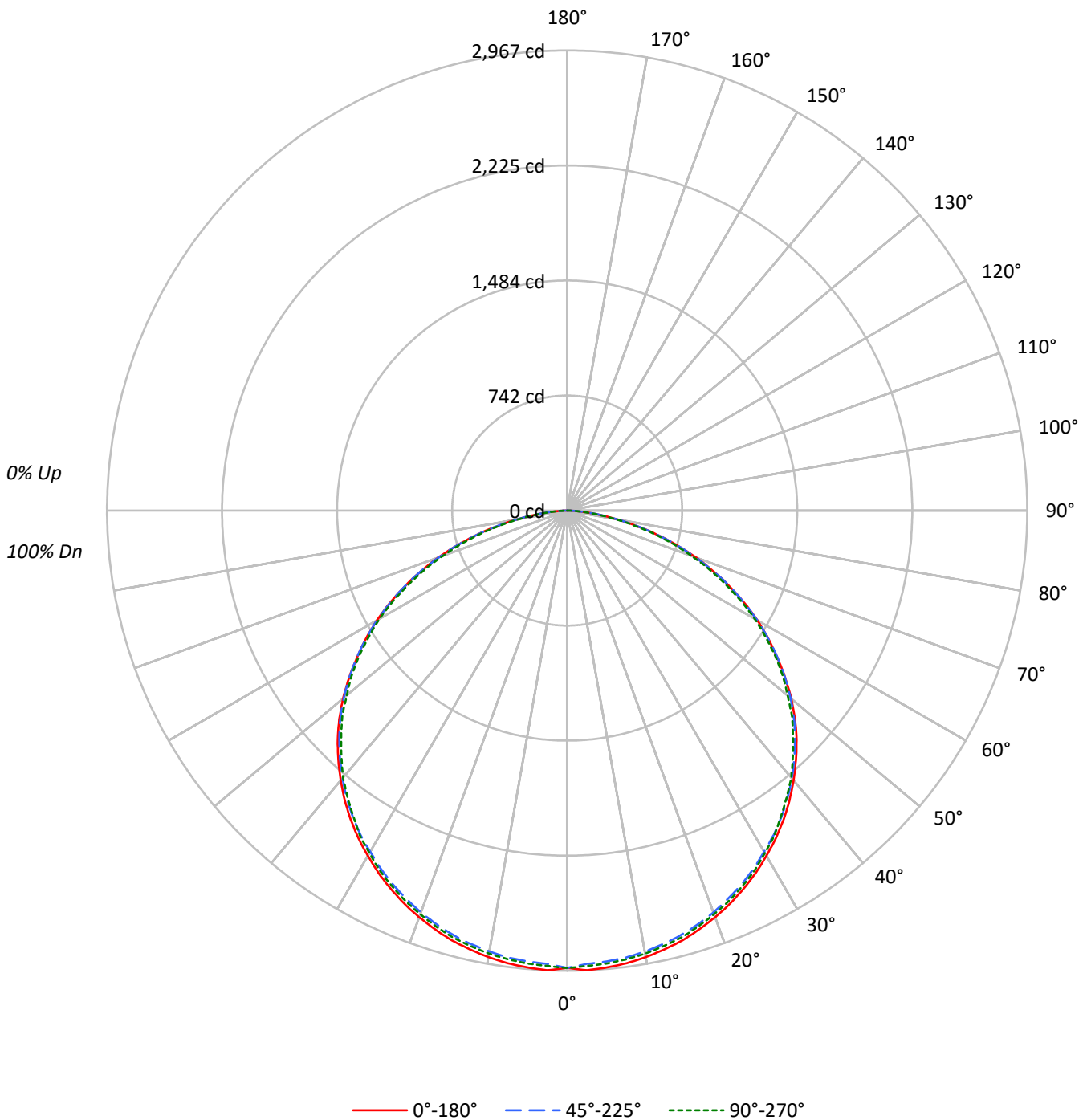
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P289716

CATALOG NUMBER: 8SSRK-10-L930-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P289716

CATALOG NUMBER: 8SSRK-10-L930-CD1-U

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	95241	95241	95241
5°	95683	75756	70379
10°	95533	63062	55779
15°	95410	53775	45980
20°	95167	46567	38759
25°	94939	40742	33228
30°	94700	35859	28730
35°	94516	31758	24939
40°	94074	28066	21746
45°	93599	24690	18818
50°	92490	21522	16165
55°	90482	18435	13743
60°	88240	15432	11381
65°	84455	12442	8987
70°	79050	9402	6711
75°	69482	6428	4542
80°	54982	3590	2451
85°	35401	1297	807



TEST NUMBER: P289716

CATALOG NUMBER: 8SSRK-10-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.5	3.2
10°-20°	805.3	9.1
20°-30°	1234.2	14.0
30°-40°	1512.9	17.1
40°-50°	1602.7	18.2
50°-60°	1477.8	16.8
60°-70°	1135.6	12.9
70°-80°	629.4	7.1
80°-90°	144.8	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°	2319.0	26.3
0°-40°	3831.9	43.4
0°-60°	6912.3	78.4
0°-90°	8822.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8822.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2949	2949	2949	2949	2949	
5°	2957	2945	2918	2946	2931	281
15°	2870	2856	2834	2859	2850	810
25°	2690	2681	2660	2687	2672	1241
35°	2433	2421	2409	2418	2404	1522
45°	2092	2086	2078	2075	2060	1612
55°	1655	1668	1657	1650	1639	1480
65°	1155	1158	1156	1140	1127	1142
75°	600	601	598	588	580	635
85°	118	120	117	112	102	147
90°	0	0	0	0	0	



TEST NUMBER: P289716

CATALOG NUMBER: 8SSRK-10-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2949.4	2949.4	2949.4	2949.4	2949.4
2.5°	2966.9	2952.3	2925.2	2952.3	2938.7
5°	2957.2	2944.6	2918.4	2946.5	2931.0
7.5°	2943.6	2932.9	2906.7	2933.9	2918.4
10°	2924.2	2912.6	2887.4	2916.4	2900.9
12.5°	2898.0	2887.4	2863.1	2890.3	2876.7
15°	2869.9	2856.3	2834.0	2859.2	2849.5
17.5°	2831.1	2820.5	2798.2	2822.4	2811.7
20°	2790.4	2779.7	2757.4	2781.7	2770.0
22.5°	2743.9	2733.2	2709.9	2736.1	2724.5
25°	2690.5	2680.8	2659.5	2686.7	2672.1
27.5°	2634.3	2626.5	2603.3	2625.6	2616.8
30°	2570.3	2565.5	2540.3	2557.7	2549.9
32.5°	2505.3	2496.6	2479.2	2492.7	2485.0
35°	2432.6	2421.0	2409.4	2418.1	2404.5
37.5°	2355.1	2347.3	2334.7	2342.5	2327.0
40°	2270.7	2263.9	2254.2	2256.2	2247.4
42.5°	2183.5	2175.7	2167.9	2164.1	2154.4
45°	2092.3	2085.5	2077.8	2074.9	2060.3
47.5°	1993.4	1988.6	1983.7	1976.9	1966.3
50°	1886.8	1888.7	1880.0	1874.2	1855.7
52.5°	1772.4	1784.0	1771.4	1762.7	1752.0
55°	1655.0	1667.6	1657.0	1650.2	1638.6
57.5°	1538.7	1544.5	1537.7	1532.9	1517.4
60°	1415.6	1420.4	1415.6	1404.9	1397.1
62.5°	1288.5	1294.4	1284.7	1276.9	1266.2
65°	1154.7	1157.7	1155.7	1140.2	1126.6
67.5°	1020.0	1024.8	1019.0	1008.3	994.8
70°	885.2	882.3	877.5	869.7	852.2
72.5°	742.7	742.7	741.7	727.2	718.4
75°	600.2	601.1	598.2	588.5	579.8
77.5°	457.6	468.3	460.5	450.8	441.2
80°	330.6	337.4	330.6	318.0	312.2
82.5°	211.4	221.1	215.2	202.6	200.7
85°	118.3	120.2	117.3	111.5	101.8
87.5°	44.6	46.5	47.5	38.8	33.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)