

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: P289708

Luminaire Tested: **8SSRK-80-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289708
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-80-L930-CD1-U
Description: 8000 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: 7189.7 lumens
Efficiency: N/A
Efficacy: 126.9 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

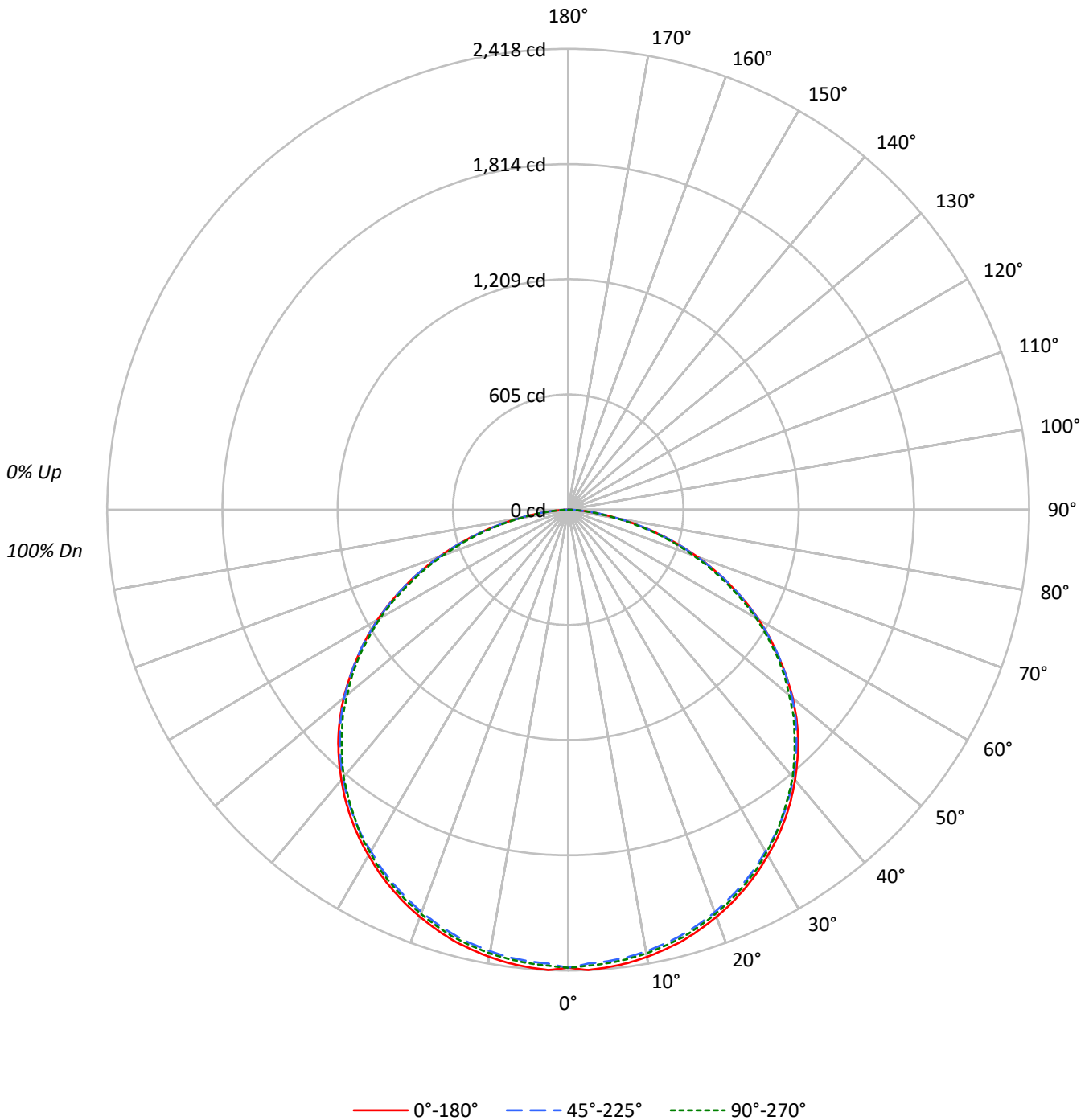
Input Watts (W): 56.6491
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P289708

CATALOG NUMBER: 8SSRK-80-L930-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P289708

CATALOG NUMBER: 8SSRK-80-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°	77616	77616	77616
5°	77978	61738	57355
10°	77855	51393	45457
15°	77757	43825	37473
20°	77559	37951	31588
25°	77374	33203	27080
30°	77177	29223	23414
35°	77028	25880	20324
40°	76665	22873	17723
45°	76282	20121	15336
50°	75372	17539	13175
55°	73741	15024	11200
60°	71908	12575	9275
65°	68832	10141	7325
70°	64423	7662	5469
75°	56620	5238	3701
80°	44804	2926	1997
85°	28847	1057	658



TEST NUMBER: P289708

CATALOG NUMBER: 8SSRK-80-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.8	3.2
10°-20°	656.3	9.1
20°-30°	1005.8	14.0
30°-40°	1232.9	17.1
40°-50°	1306.1	18.2
50°-60°	1204.3	16.8
60°-70°	925.5	12.9
70°-80°	513.0	7.1
80°-90°	118.0	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°	1889.9	26.3
0°-40°	3122.8	43.4
0°-60°	5633.3	78.4
0°-90°	7189.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7189.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2404	2404	2404	2404	2404	
5°	2410	2400	2378	2401	2389	229
15°	2339	2328	2310	2330	2322	660
25°	2193	2185	2167	2190	2178	1011
35°	1982	1973	1964	1971	1960	1240
45°	1705	1700	1693	1691	1679	1314
55°	1349	1359	1350	1345	1335	1206
65°	941	943	942	929	918	930
75°	489	490	488	480	472	517
85°	96	98	96	91	83	120
90°	0	0	0	0	0	



TEST NUMBER: P289708

CATALOG NUMBER: 8SSRK-80-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2403.6	2403.6	2403.6	2403.6	2403.6
2.5°	2417.9	2406.0	2383.9	2406.0	2395.0
5°	2410.0	2399.7	2378.4	2401.3	2388.6
7.5°	2398.9	2390.2	2368.9	2391.0	2378.4
10°	2383.1	2373.6	2353.1	2376.8	2364.1
12.5°	2361.8	2353.1	2333.3	2355.4	2344.4
15°	2338.9	2327.8	2309.6	2330.2	2322.3
17.5°	2307.2	2298.6	2280.4	2300.1	2291.4
20°	2274.1	2265.4	2247.2	2267.0	2257.5
22.5°	2236.1	2227.4	2208.5	2229.8	2220.3
25°	2192.7	2184.8	2167.4	2189.5	2177.7
27.5°	2146.8	2140.5	2121.6	2139.7	2132.6
30°	2094.7	2090.7	2070.2	2084.4	2078.1
32.5°	2041.8	2034.6	2020.4	2031.5	2025.2
35°	1982.5	1973.0	1963.5	1970.6	1959.6
37.5°	1919.3	1913.0	1902.7	1909.0	1896.4
40°	1850.5	1845.0	1837.1	1838.7	1831.6
42.5°	1779.4	1773.1	1766.8	1763.6	1755.7
45°	1705.2	1699.6	1693.3	1690.9	1679.1
47.5°	1624.6	1620.6	1616.7	1611.1	1602.4
50°	1537.6	1539.2	1532.1	1527.4	1512.4
52.5°	1444.4	1453.9	1443.6	1436.5	1427.8
55°	1348.8	1359.1	1350.4	1344.8	1335.4
57.5°	1254.0	1258.7	1253.2	1249.2	1236.6
60°	1153.6	1157.6	1153.6	1144.9	1138.6
62.5°	1050.1	1054.9	1047.0	1040.6	1031.9
65°	941.1	943.4	941.9	929.2	918.2
67.5°	831.2	835.2	830.5	821.8	810.7
70°	721.4	719.0	715.1	708.8	694.5
72.5°	605.3	605.3	604.5	592.6	585.5
75°	489.1	489.9	487.5	479.6	472.5
77.5°	373.0	381.6	375.3	367.4	359.5
80°	269.4	275.0	269.4	259.2	254.4
82.5°	172.3	180.2	175.4	165.1	163.6
85°	96.4	98.0	95.6	90.9	83.0
87.5°	36.3	37.9	38.7	31.6	27.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)