

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: P289668

Luminaire Tested: **4SSRK-60-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289668
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-60-L930-CD1-U
Description: 6000 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: 5303.1 lumens
Efficiency: N/A
Efficacy: 118.4 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

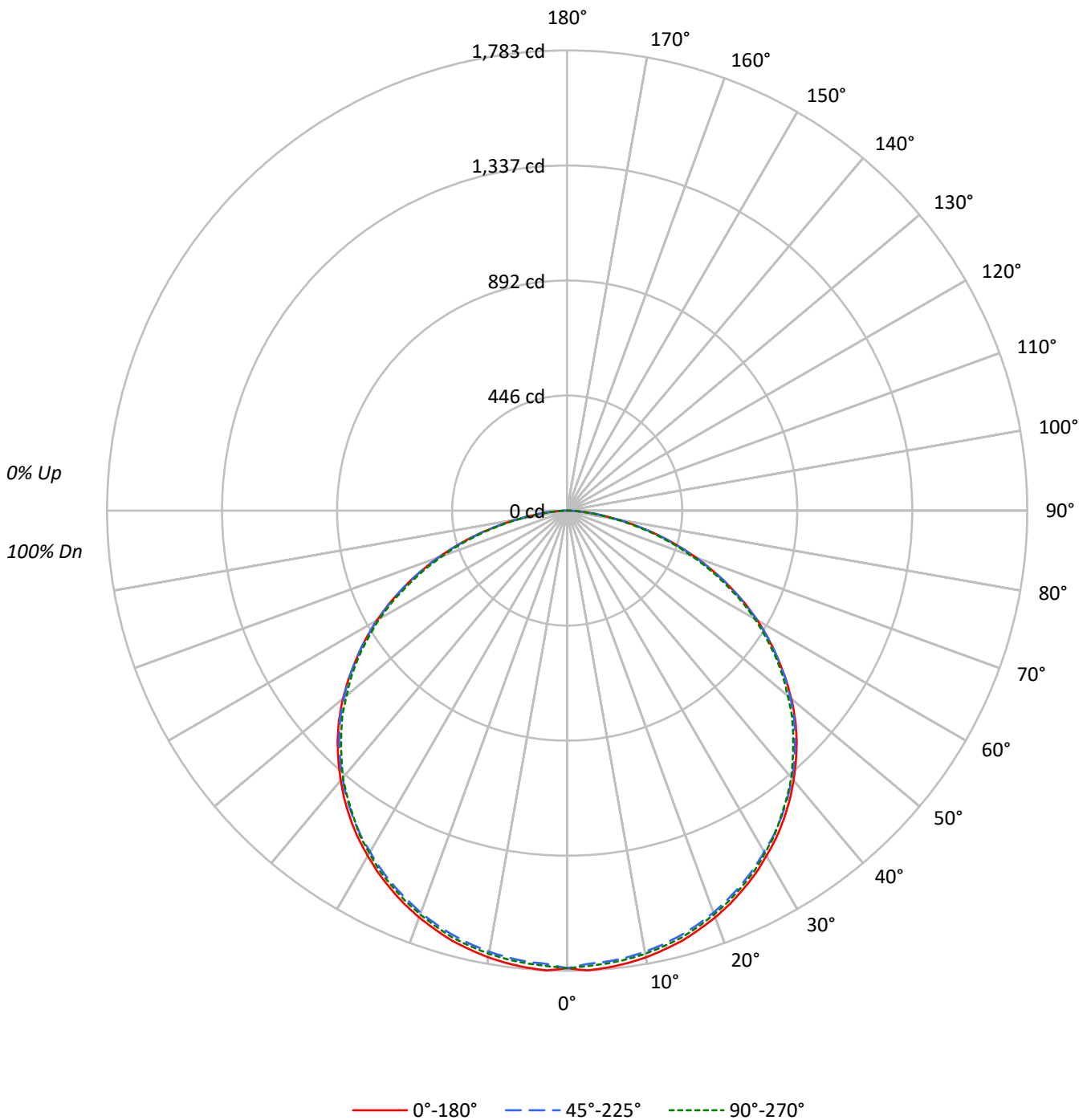
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	114499	114499	114499
5°	114823	90982	84608
10°	114434	75682	67060
15°	114069	64507	55279
20°	113555	55836	46598
25°	113051	48838	39947
30°	112510	42972	34540
35°	112021	38048	29982
40°	111192	33618	26145
45°	110276	29570	22624
50°	108566	25771	19434
55°	105731	22070	16522
60°	102509	18472	13682
65°	97369	14892	10805
70°	90155	11250	8068
75°	77914	7692	5460
80°	59775	4295	2947
85°	35689	1552	971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.0	3.2
10°-20°	484.1	9.1
20°-30°	741.9	14.0
30°-40°	909.4	17.1
40°-50°	963.4	18.2
50°-60°	888.3	16.8
60°-70°	682.6	12.9
70°-80°	378.4	7.1
80°-90°	87.0	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°	1394.0	26.3
0°-40°	2303.4	43.4
0°-60°	4155.1	78.4
0°-90°	5303.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5303.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1773	1773	1773	1773	1773	
5°	1778	1770	1754	1771	1762	169
15°	1725	1717	1704	1719	1713	487
25°	1617	1612	1599	1615	1606	746
35°	1462	1455	1448	1454	1445	915
45°	1258	1254	1249	1247	1238	969
55°	995	1002	996	992	985	890
65°	694	696	695	685	677	686
75°	361	361	360	354	348	382
85°	71	72	70	67	61	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1772.9	1772.9	1772.9	1772.9	1772.9
2.5°	1783.4	1774.7	1758.4	1774.7	1766.5
5°	1777.6	1770.0	1754.3	1771.2	1761.8
7.5°	1769.4	1763.0	1747.3	1763.6	1754.3
10°	1757.8	1750.8	1735.6	1753.1	1743.8
12.5°	1742.0	1735.6	1721.1	1737.4	1729.2
15°	1725.1	1717.0	1703.6	1718.7	1712.9
17.5°	1701.8	1695.4	1682.0	1696.6	1690.2
20°	1677.3	1670.9	1657.5	1672.1	1665.1
22.5°	1649.4	1643.0	1629.0	1644.7	1637.7
25°	1617.3	1611.5	1598.7	1615.0	1606.2
27.5°	1583.5	1578.8	1564.9	1578.3	1573.0
30°	1545.0	1542.1	1527.0	1537.5	1532.8
32.5°	1506.0	1500.7	1490.3	1498.4	1493.8
35°	1462.3	1455.3	1448.3	1453.5	1445.4
37.5°	1415.7	1411.0	1403.4	1408.1	1398.8
40°	1365.0	1360.9	1355.0	1356.2	1351.0
42.5°	1312.5	1307.8	1303.2	1300.8	1295.0
45°	1257.7	1253.6	1249.0	1247.2	1238.5
47.5°	1198.3	1195.4	1192.4	1188.4	1181.9
50°	1134.2	1135.3	1130.1	1126.6	1115.5
52.5°	1065.4	1072.4	1064.8	1059.6	1053.1
55°	994.9	1002.4	996.0	992.0	985.0
57.5°	924.9	928.4	924.3	921.4	912.1
60°	850.9	853.8	850.9	844.5	839.8
62.5°	774.6	778.1	772.2	767.6	761.2
65°	694.1	695.9	694.7	685.4	677.2
67.5°	613.1	616.0	612.5	606.1	598.0
70°	532.1	530.4	527.4	522.8	512.3
72.5°	446.4	446.4	445.9	437.1	431.9
75°	360.8	361.3	359.6	353.8	348.5
77.5°	275.1	281.5	276.8	271.0	265.2
80°	198.7	202.8	198.7	191.2	187.7
82.5°	127.1	132.9	129.4	121.8	120.6
85°	71.1	72.3	70.5	67.0	61.2
87.5°	26.8	28.0	28.6	23.3	20.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)