

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: P289700

Luminaire Tested: **8SSRK-60-L930-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289700  
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-60-L930-CD1-U  
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 3000K CCT LEDs  
Light Source: -  
Ballast/Driver: -

**Summary**

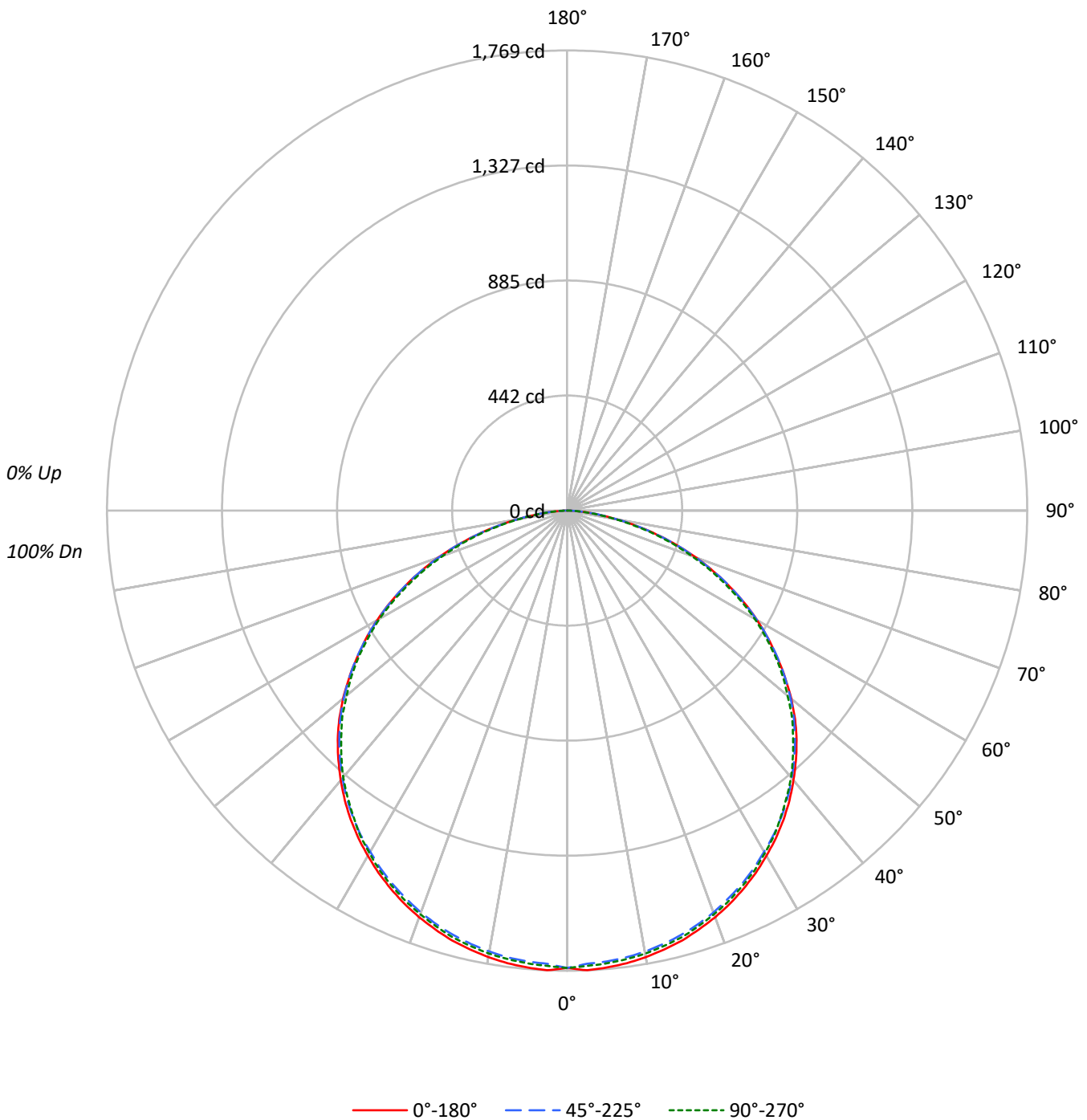
Lumens per Lamp: N/A  
Luminaire Lumens: 5259.5 lumens  
Efficiency: N/A  
Efficacy: 127.1 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 41.3831  
Input Voltage (V): NR  
Input 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°	56778	56778	56778
5°	57043	45162	41956
10°	56953	37594	33253
15°	56879	32058	27412
20°	56734	27762	23107
25°	56600	24289	19809
30°	56456	21377	17128
35°	56346	18933	14868
40°	56083	16732	12964
45°	55803	14719	11219
50°	55137	12831	9637
55°	53945	10990	8192
60°	52603	9199	6785
65°	50350	7418	5358
70°	47125	5605	4001
75°	41420	3832	2708
80°	32780	2140	1461
85°	21097	773	481



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.6	3.2
10°-20°	480.1	9.1
20°-30°	735.8	14.0
30°-40°	901.9	17.1
40°-50°	955.5	18.2
50°-60°	881.0	16.8
60°-70°	677.0	12.9
70°-80°	375.3	7.1
80°-90°	86.3	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°	1382.5	26.3
0°-40°	2284.4	43.4
0°-60°	4120.9	78.4
0°-90°	5259.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5259.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1758	1758	1758	1758	1758	
5°	1763	1755	1740	1757	1747	168
15°	1711	1703	1690	1705	1699	483
25°	1604	1598	1586	1602	1593	740
35°	1450	1443	1436	1442	1434	907
45°	1247	1243	1239	1237	1228	961
55°	987	994	988	984	977	882
65°	688	690	689	680	672	681
75°	358	358	357	351	346	378
85°	70	72	70	66	61	87
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1758.3	1758.3	1758.3	1758.3	1758.3
2.5°	1768.7	1760.1	1743.9	1760.1	1752.0
5°	1763.0	1755.4	1739.8	1756.6	1747.3
7.5°	1754.9	1748.5	1732.9	1749.1	1739.8
10°	1743.3	1736.4	1721.3	1738.7	1729.4
12.5°	1727.7	1721.3	1706.9	1723.1	1715.0
15°	1710.9	1702.8	1689.5	1704.6	1698.8
17.5°	1687.8	1681.5	1668.2	1682.6	1676.2
20°	1663.5	1657.2	1643.9	1658.3	1651.4
22.5°	1635.8	1629.4	1615.6	1631.2	1624.2
25°	1604.0	1598.2	1585.5	1601.7	1593.0
27.5°	1570.5	1565.8	1552.0	1565.3	1560.1
30°	1532.3	1529.4	1514.4	1524.8	1520.2
32.5°	1493.6	1488.4	1478.0	1486.1	1481.5
35°	1450.2	1443.3	1436.4	1441.6	1433.5
37.5°	1404.0	1399.4	1391.9	1396.5	1387.2
40°	1353.7	1349.7	1343.9	1345.0	1339.8
42.5°	1301.7	1297.1	1292.4	1290.1	1284.4
45°	1247.4	1243.3	1238.7	1237.0	1228.3
47.5°	1188.4	1185.5	1182.6	1178.6	1172.2
50°	1124.8	1126.0	1120.8	1117.3	1106.3
52.5°	1056.6	1063.6	1056.0	1050.8	1044.5
55°	986.7	994.2	987.8	983.8	976.8
57.5°	917.3	920.8	916.7	913.8	904.6
60°	843.9	846.8	843.9	837.5	832.9
62.5°	768.2	771.7	765.9	761.2	754.9
65°	688.4	690.2	689.0	679.7	671.7
67.5°	608.1	611.0	607.5	601.1	593.0
70°	527.7	526.0	523.1	518.5	508.1
72.5°	442.8	442.8	442.2	433.5	428.3
75°	357.8	358.4	356.6	350.9	345.7
77.5°	272.8	279.2	274.6	268.8	263.0
80°	197.1	201.1	197.1	189.6	186.1
82.5°	126.0	131.8	128.3	120.8	119.6
85°	70.5	71.7	69.9	66.5	60.7
87.5°	26.6	27.7	28.3	23.1	20.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)