

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: P289701

Luminaire Tested: **8SSRK-60-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289701  
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-L935-CD1-U  
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5582.8 lumens  
Efficiency: N/A  
Efficacy: 134.9 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

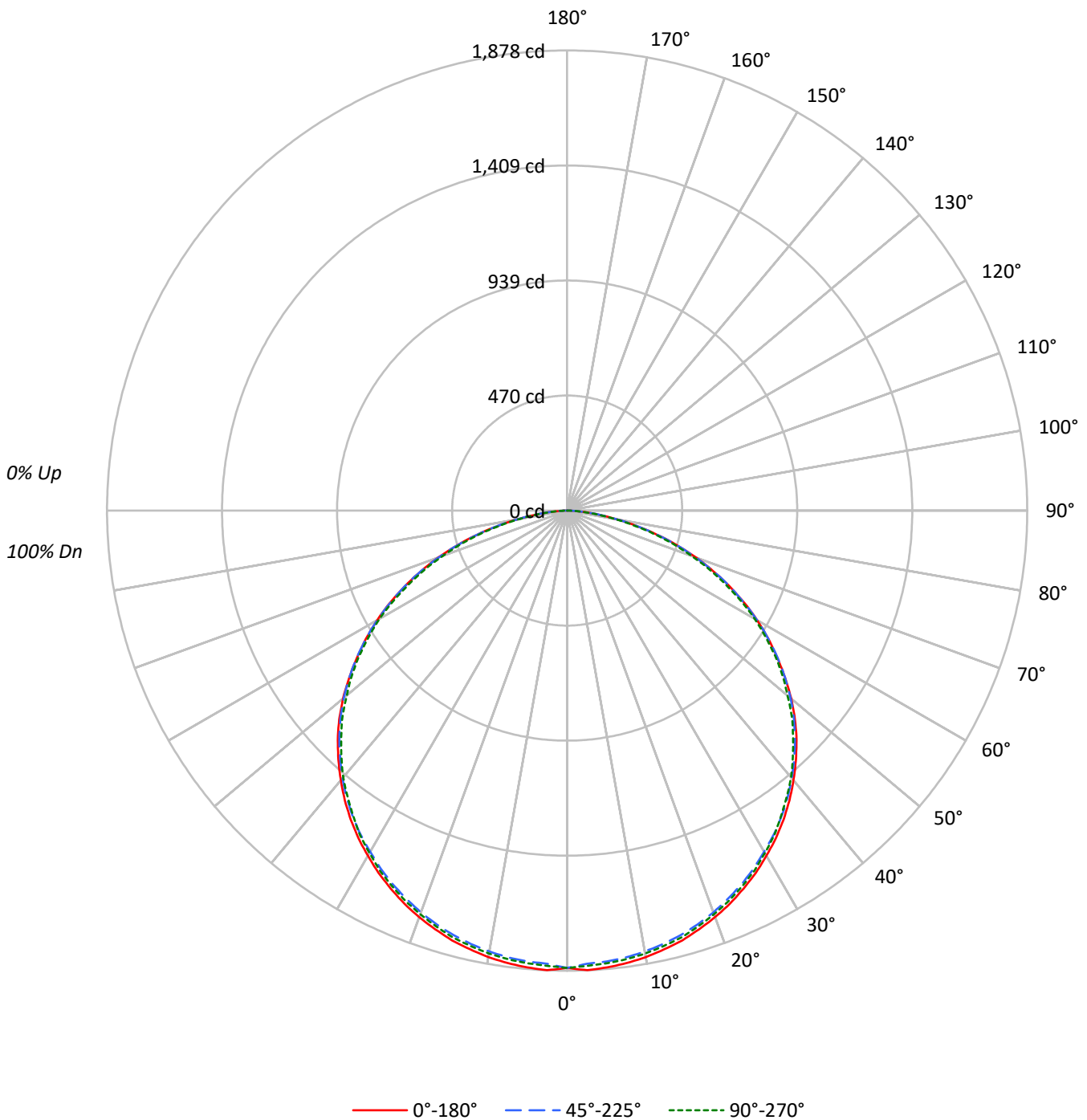
Input Watts (W): 41.3831  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P289701

CATALOG NUMBER: 8SSRK-60-L935-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P289701

CATALOG NUMBER: 8SSRK-60-L935-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°	60269	60269	60269
5°	60548	47939	44537
10°	60455	39907	35297
15°	60376	34030	29097
20°	60223	29468	24528
25°	60079	25783	21028
30°	59926	22691	18180
35°	59812	20097	15781
40°	59530	17761	13762
45°	59229	15623	11908
50°	58529	13619	10229
55°	57258	11666	8697
60°	55839	9765	7202
65°	53444	7874	5687
70°	50027	5950	4247
75°	43967	4068	2874
80°	34792	2272	1551
85°	22413	821	511



TEST NUMBER: P289701

CATALOG NUMBER: 8SSRK-60-L935-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.9	3.2
10°-20°	509.6	9.1
20°-30°	781.0	14.0
30°-40°	957.3	17.1
40°-50°	1014.2	18.2
50°-60°	935.1	16.8
60°-70°	718.6	12.9
70°-80°	398.3	7.1
80°-90°	91.6	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°	1467.5	26.3
0°-40°	2424.9	43.4
0°-60°	4374.2	78.4
0°-90°	5582.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5582.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1866	1866	1866	1866	1866	
5°	1871	1863	1847	1865	1855	178
15°	1816	1808	1793	1809	1803	513
25°	1703	1696	1683	1700	1691	785
35°	1539	1532	1525	1530	1522	963
45°	1324	1320	1315	1313	1304	1020
55°	1047	1055	1049	1044	1037	937
65°	731	733	731	722	713	722
75°	380	380	379	372	367	402
85°	75	76	74	71	64	93
90°	0	0	0	0	0	



TEST NUMBER: P289701

CATALOG NUMBER: 8SSRK-60-L935-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1866.4	1866.4	1866.4	1866.4	1866.4
2.5°	1877.5	1868.3	1851.1	1868.3	1859.7
5°	1871.3	1863.4	1846.8	1864.6	1854.8
7.5°	1862.7	1856.0	1839.4	1856.6	1846.8
10°	1850.5	1843.1	1827.2	1845.6	1835.7
12.5°	1833.9	1827.2	1811.8	1829.0	1820.4
15°	1816.1	1807.5	1793.4	1809.4	1803.2
17.5°	1791.6	1784.8	1770.7	1786.1	1779.3
20°	1765.8	1759.1	1744.9	1760.3	1752.9
22.5°	1736.4	1729.6	1714.9	1731.4	1724.1
25°	1702.6	1696.5	1683.0	1700.2	1691.0
27.5°	1667.0	1662.1	1647.4	1661.5	1656.0
30°	1626.5	1623.5	1607.5	1618.6	1613.6
32.5°	1585.4	1579.9	1568.9	1577.4	1572.5
35°	1539.4	1532.0	1524.7	1530.2	1521.6
37.5°	1490.3	1485.4	1477.4	1482.3	1472.5
40°	1436.9	1432.6	1426.5	1427.7	1422.2
42.5°	1381.7	1376.8	1371.9	1369.4	1363.3
45°	1324.0	1319.8	1314.8	1313.0	1303.8
47.5°	1261.5	1258.4	1255.3	1251.0	1244.3
50°	1194.0	1195.2	1189.7	1186.0	1174.3
52.5°	1121.6	1128.9	1121.0	1115.4	1108.7
55°	1047.3	1055.3	1048.6	1044.3	1036.9
57.5°	973.7	977.4	973.1	970.0	960.2
60°	895.8	898.9	895.8	889.0	884.1
62.5°	815.4	819.1	813.0	808.0	801.3
65°	730.7	732.6	731.4	721.5	712.9
67.5°	645.5	648.5	644.8	638.1	629.5
70°	560.2	558.3	555.3	550.4	539.3
72.5°	470.0	470.0	469.4	460.2	454.6
75°	379.8	380.4	378.6	372.4	366.9
77.5°	289.6	296.3	291.4	285.3	279.2
80°	209.2	213.5	209.2	201.2	197.6
82.5°	133.8	139.9	136.2	128.2	127.0
85°	74.9	76.1	74.2	70.6	64.4
87.5°	28.2	29.5	30.1	24.5	21.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)