

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: P289709

Luminaire Tested: **8SSRK-80-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289709  
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-L935-CD1-U  
Description: 8000 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: 7631.7 lumens  
Efficiency: N/A  
Efficacy: 134.7 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

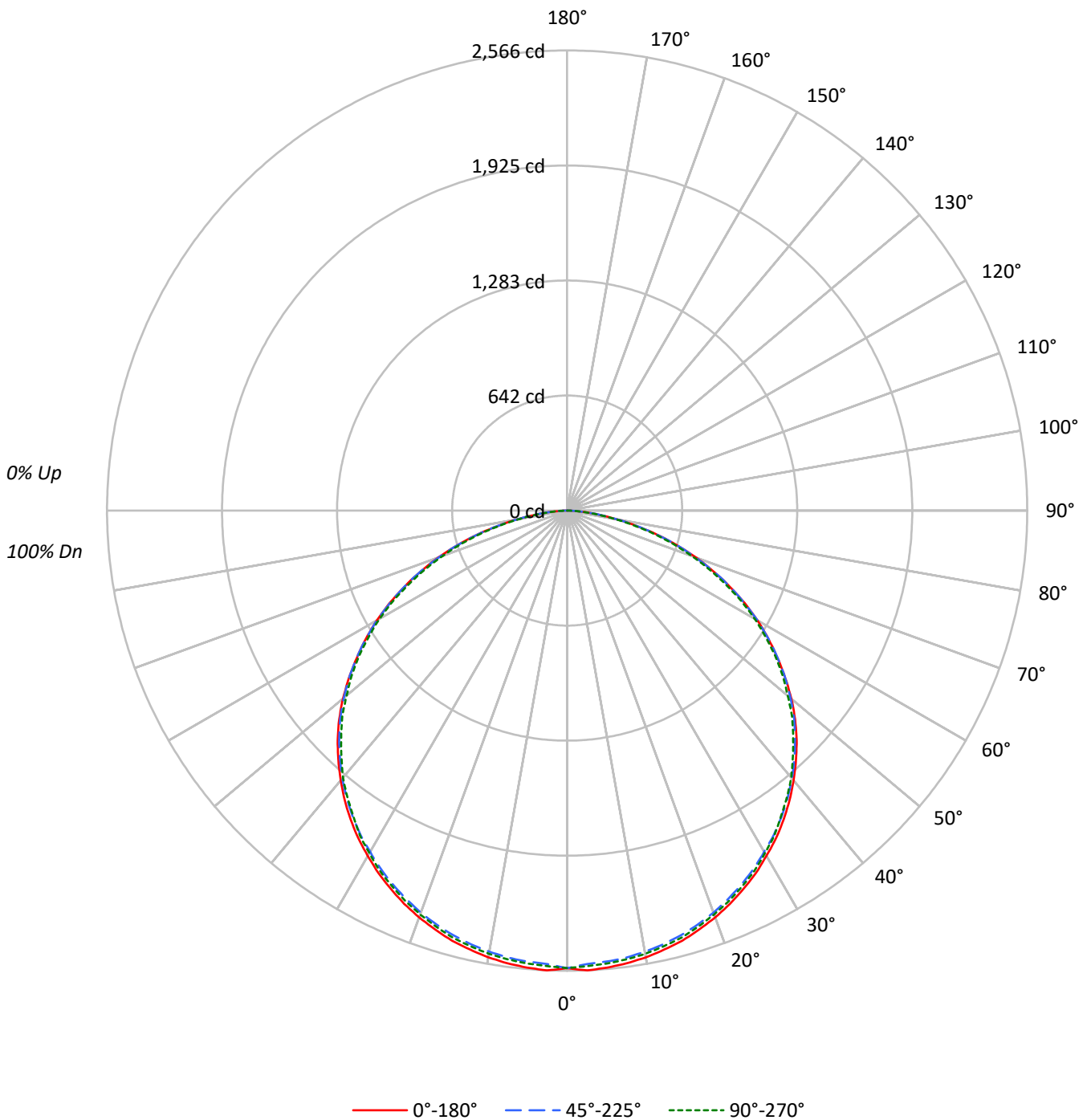
Input Watts (W): 56.6491  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	82388	82388	82388
5°	82770	65534	60882
10°	82641	54551	48253
15°	82534	46519	39775
20°	82327	40284	33530
25°	82130	35244	28744
30°	81922	31020	24854
35°	81764	27471	21574
40°	81380	24280	18813
45°	80970	21358	16279
50°	80010	18618	13984
55°	78274	15947	11889
60°	76328	13348	9845
65°	73060	10764	7775
70°	68388	8134	5805
75°	60105	5561	3929
80°	47565	3106	2121
85°	30613	1123	699



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.8	3.2
10°-20°	696.7	9.1
20°-30°	1067.6	14.0
30°-40°	1308.7	17.1
40°-50°	1386.4	18.2
50°-60°	1278.3	16.8
60°-70°	982.4	12.9
70°-80°	544.5	7.1
80°-90°	125.3	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°	2006.1	26.3
0°-40°	3314.8	43.4
0°-60°	5979.6	78.4
0°-90°	7631.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7631.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2551	2551	2551	2551	2551	
5°	2558	2547	2525	2549	2536	243
15°	2483	2471	2452	2473	2465	701
25°	2328	2319	2301	2324	2312	1073
35°	2104	2094	2084	2092	2080	1316
45°	1810	1804	1797	1795	1782	1395
55°	1432	1443	1433	1428	1418	1280
65°	999	1001	1000	986	975	987
75°	519	520	518	509	502	549
85°	102	104	102	96	88	127
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2551.4	2551.4	2551.4	2551.4	2551.4
2.5°	2566.5	2553.9	2530.5	2553.9	2542.2
5°	2558.1	2547.2	2524.6	2548.9	2535.5
7.5°	2546.4	2537.2	2514.5	2538.0	2524.6
10°	2529.6	2519.5	2497.7	2522.9	2509.5
12.5°	2507.0	2497.7	2476.8	2500.3	2488.5
15°	2482.6	2470.9	2451.6	2473.4	2465.0
17.5°	2449.1	2439.9	2420.6	2441.5	2432.3
20°	2413.9	2404.6	2385.4	2406.3	2396.3
22.5°	2373.6	2364.4	2344.3	2366.9	2356.8
25°	2327.5	2319.1	2300.6	2324.1	2311.5
27.5°	2278.8	2272.1	2252.0	2271.3	2263.7
30°	2223.5	2219.3	2197.5	2212.6	2205.9
32.5°	2167.3	2159.7	2144.6	2156.4	2149.7
35°	2104.4	2094.3	2084.2	2091.8	2080.1
37.5°	2037.3	2030.6	2019.7	2026.4	2013.0
40°	1964.3	1958.4	1950.1	1951.7	1944.2
42.5°	1888.8	1882.1	1875.4	1872.0	1863.7
45°	1810.0	1804.1	1797.4	1794.9	1782.3
47.5°	1724.4	1720.2	1716.0	1710.2	1700.9
50°	1632.2	1633.8	1626.3	1621.3	1605.3
52.5°	1533.2	1543.3	1532.4	1524.8	1515.6
55°	1431.7	1442.6	1433.4	1427.5	1417.5
57.5°	1331.1	1336.1	1330.2	1326.0	1312.6
60°	1224.5	1228.7	1224.5	1215.3	1208.6
62.5°	1114.7	1119.7	1111.3	1104.6	1095.4
65°	998.9	1001.4	999.8	986.3	974.6
67.5°	882.3	886.5	881.5	872.3	860.5
70°	765.8	763.2	759.1	752.3	737.2
72.5°	642.5	642.5	641.6	629.0	621.5
75°	519.2	520.0	517.5	509.1	501.6
77.5°	395.9	405.1	398.4	390.0	381.6
80°	286.0	291.9	286.0	275.1	270.1
82.5°	182.8	191.2	186.2	175.3	173.6
85°	102.3	104.0	101.5	96.5	88.1
87.5°	38.6	40.3	41.1	33.5	29.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)