

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: P290143

Luminaire Tested: **8SSRK-LN-60-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290143  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-10)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SSRK-LN-60-L950-CD1-U  
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND NARROW LENS AND 90 CRI 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5690.8 lumens  
Efficiency: N/A  
Efficacy: 137.5 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.03 / 1.16  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Direct

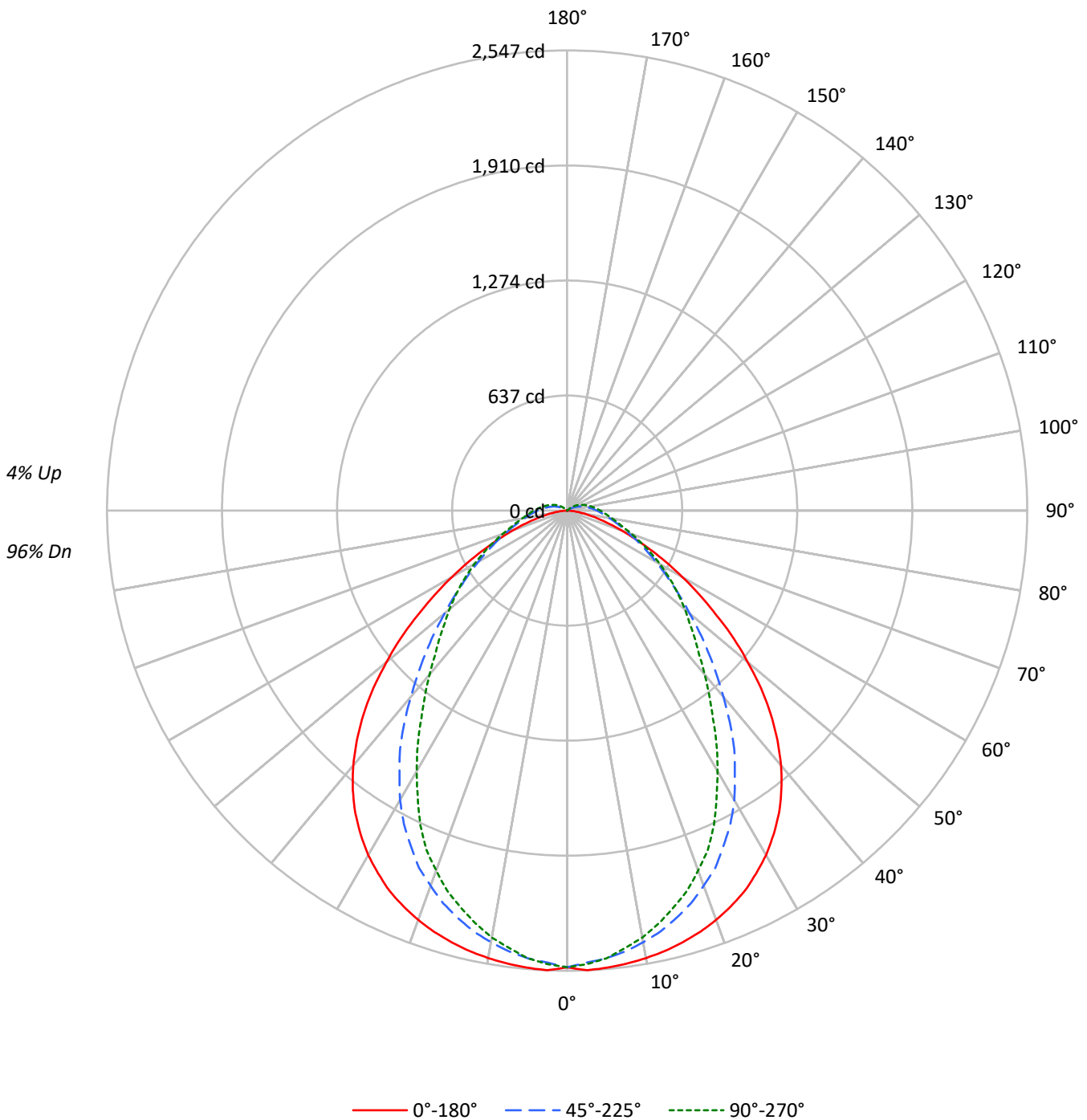
Input Watts (W): 41.3831  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96				
1	108	104	99	96	105	101	97	94	96	93	90	91	89	86	87	85	83	81				
2	99	91	85	80	96	89	83	78	85	80	76	81	77	74	78	74	71	69				
3	91	81	74	68	88	79	72	67	76	70	65	73	68	63	70	65	62	59				
4	84	73	65	58	81	71	64	58	68	62	56	65	60	55	63	58	54	52				
5	78	66	57	51	75	64	56	51	62	55	50	59	53	49	57	52	48	46				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	47	43	41				
7	67	54	46	40	65	53	46	40	52	45	39	50	44	39	48	43	38	36				
8	63	50	42	36	61	49	41	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	38	33	57	45	38	33	44	37	32	43	36	32	41	36	32	30				
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	81626	81626	81626
5°	82181	64576	59734
10°	82167	52987	46134
15°	82215	44309	36708
20°	82241	37321	29659
25°	82021	31374	23894
30°	81126	26113	18754
35°	79441	21268	14598
40°	76333	16748	11469
45°	71317	13090	9114
50°	63975	10121	7422
55°	55142	7878	6029
60°	45934	6180	4847
65°	36614	4864	3828
70°	28568	3851	3010
75°	21382	3128	2396
80°	15467	2580	1986
85°	9606	2177	1693



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.3	4.2
10°-20°	664.6	11.7
20°-30°	957.8	16.8
30°-40°	1037.5	18.2
40°-50°	918.9	16.1
50°-60°	699.2	12.3
60°-70°	465.8	8.2
70°-80°	287.8	5.1
80°-90°	180.3	3.2
90°-100°	118.5	2.1
100°-110°	72.6	1.3
110°-120°	37.5	0.7
120°-130°	12.3	0.2
130°-140°	0.7	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°	1859.7	32.7
0°-40°	2897.2	50.9
0°-60°	4515.3	79.3
0°-90°	5449.2	95.8
90°-120°	228.6	4.0
90°-150°	241.6	4.2
90°-180°	242.0	4.3
0°-180°	5690.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2528	2528	2528	2528	2528	
5°	2540	2524	2488	2497	2488	242
15°	2473	2426	2335	2304	2275	699
25°	2324	2215	2048	1960	1922	1069
35°	2045	1853	1614	1462	1408	1274
45°	1594	1345	1102	1018	998	1223
55°	1009	823	708	717	719	906
65°	501	439	452	478	480	505
75°	185	225	291	310	306	204
85°	32	116	197	217	214	39
90°	1	84	164	185	183	2
95°	3	60	136	157	157	2
105°	2	23	85	108	111	2
115°	2	2	44	68	74	2
125°	1	1	1	29	37	1
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2527.8	2527.8	2527.8	2527.8	2527.8
2.5°	2546.6	2532.5	2503.8	2520.5	2512.5
5°	2539.9	2523.8	2487.7	2497.1	2487.7
7.5°	2529.2	2509.1	2460.9	2464.9	2442.8
10°	2515.1	2488.4	2426.1	2419.4	2399.3
12.5°	2497.1	2459.6	2386.6	2359.9	2340.4
15°	2473.0	2426.1	2335.1	2303.6	2274.9
17.5°	2445.5	2385.3	2279.5	2241.4	2207.3
20°	2411.4	2335.8	2209.9	2157.1	2119.6
22.5°	2369.9	2281.6	2141.0	2064.0	2033.9
25°	2324.4	2215.3	2048.0	1960.3	1921.5
27.5°	2264.8	2142.3	1956.3	1846.5	1791.0
30°	2201.9	2056.0	1849.9	1723.4	1664.5
32.5°	2126.3	1961.6	1726.7	1592.2	1540.0
35°	2044.6	1853.2	1613.6	1461.7	1407.5
37.5°	1948.3	1736.1	1479.1	1339.9	1292.4
40°	1842.5	1608.9	1345.2	1222.8	1185.3
42.5°	1722.0	1479.8	1219.4	1113.7	1081.5
45°	1594.2	1344.6	1101.6	1018.0	997.9
47.5°	1455.0	1209.4	991.2	931.6	916.9
50°	1305.1	1074.2	884.1	851.3	852.0
52.5°	1162.5	946.4	793.1	784.4	782.4
55°	1008.6	823.2	708.1	716.8	718.8
57.5°	869.4	708.8	635.8	651.9	653.9
60°	736.9	606.4	566.9	591.6	595.0
62.5°	615.7	518.7	508.0	533.4	532.7
65°	500.6	439.0	451.8	477.9	479.9
67.5°	402.9	374.1	404.9	427.7	426.3
70°	319.9	315.9	359.4	383.5	382.2
72.5°	249.0	267.0	323.9	344.7	339.3
75°	184.7	224.9	291.1	310.5	305.9
77.5°	135.9	190.1	262.4	281.1	277.7
80°	93.0	161.3	237.6	257.0	253.0
82.5°	59.6	137.2	216.2	234.9	232.2
85°	32.1	115.8	196.8	216.8	213.5
87.5°	12.0	98.4	179.4	199.4	198.1
90°	1.3	84.3	164.0	184.7	183.4
92.5°	2.0	71.6	149.2	170.7	170.7
95°	3.3	59.6	135.9	157.3	156.6
97.5°	2.7	50.2	121.1	144.6	144.6
100°	2.7	41.5	107.8	131.2	132.5
102.5°	2.7	32.8	96.4	119.1	121.8
105°	2.0	23.4	85.0	108.4	111.1
107.5°	2.0	13.4	73.6	98.4	101.7
110°	2.0	3.3	63.6	87.7	91.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	2.0	53.5	77.6	81.7
115°	2.0	2.0	43.5	67.6	73.6
117.5°	1.3	1.3	32.1	58.9	64.3
120°	1.3	1.3	20.1	49.5	54.9
122.5°	1.3	1.3	8.7	39.5	46.8
125°	1.3	1.3	1.3	29.4	36.8
127.5°	1.3	1.3	0.7	17.4	26.1
130°	1.3	1.3	0.7	6.7	16.1
132.5°	1.3	1.3	0.7	0.7	4.7
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)