

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: P289711

Luminaire Tested: **8SSRK-80-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289711  
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-L950-CD1-U  
Description: 8000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 5000K CCT LEDs  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8324.7 lumens  
Efficiency: N/A  
Efficacy: 147.0 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

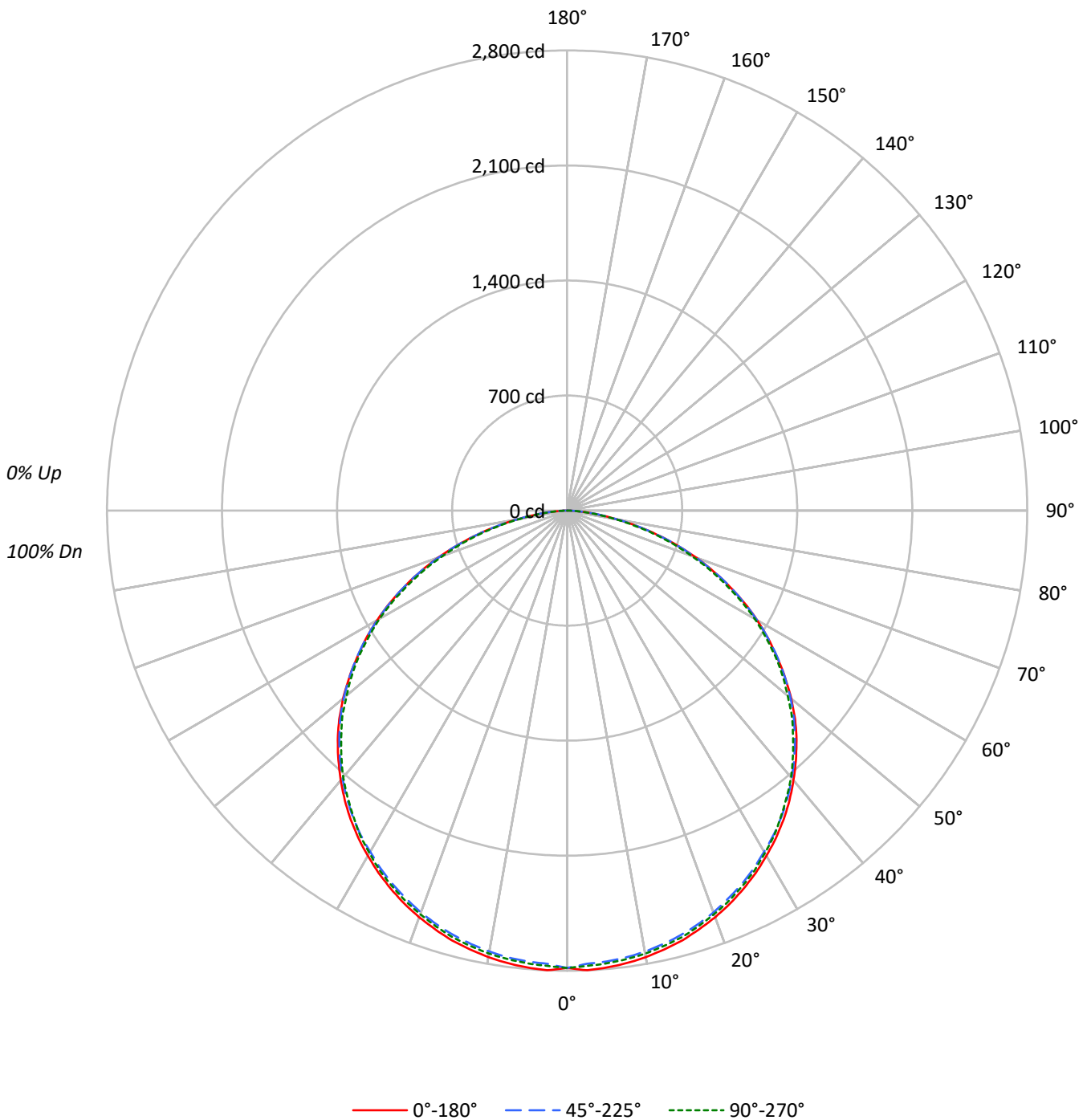
Input Watts (W): 56.6491  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	89870	89870	89870
5°	90286	71483	66410
10°	90145	59507	52635
15°	90031	50743	43388
20°	89803	43942	36575
25°	89586	38446	31355
30°	89361	33836	27111
35°	89189	29966	23532
40°	88771	26484	20520
45°	88320	23297	17757
50°	87274	20308	15254
55°	85381	17395	12968
60°	83259	14561	10740
65°	79694	11741	8481
70°	74594	8872	6333
75°	65557	6066	4285
80°	51889	3388	2313
85°	33396	1224	762



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.8	3.2
10°-20°	759.9	9.1
20°-30°	1164.6	14.0
30°-40°	1427.6	17.1
40°-50°	1512.3	18.2
50°-60°	1394.4	16.8
60°-70°	1071.6	12.9
70°-80°	593.9	7.1
80°-90°	136.6	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°	2188.3	26.3
0°-40°	3615.8	43.4
0°-60°	6522.6	78.4
0°-90°	8324.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8324.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2783	2783	2783	2783	2783	
5°	2790	2778	2754	2780	2766	265
15°	2708	2695	2674	2698	2689	764
25°	2539	2530	2510	2535	2522	1171
35°	2296	2284	2274	2282	2269	1436
45°	1974	1968	1961	1958	1944	1521
55°	1562	1574	1564	1557	1546	1397
65°	1090	1092	1091	1076	1063	1077
75°	566	567	564	555	547	599
85°	112	113	111	105	96	138
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2783.1	2783.1	2783.1	2783.1	2783.1
2.5°	2799.6	2785.9	2760.2	2785.9	2773.0
5°	2790.4	2778.5	2753.8	2780.4	2765.7
7.5°	2777.6	2767.6	2742.9	2768.5	2753.8
10°	2759.3	2748.3	2724.6	2752.0	2737.4
12.5°	2734.6	2724.6	2701.7	2727.3	2714.5
15°	2708.1	2695.3	2674.2	2698.0	2688.9
17.5°	2671.5	2661.4	2640.4	2663.3	2653.2
20°	2633.1	2623.0	2602.0	2624.8	2613.9
22.5°	2589.2	2579.1	2557.1	2581.8	2570.9
25°	2538.8	2529.7	2509.6	2535.2	2521.5
27.5°	2485.8	2478.5	2456.5	2477.5	2469.3
30°	2425.4	2420.8	2397.0	2413.5	2406.2
32.5°	2364.1	2355.9	2339.4	2352.2	2344.9
35°	2295.5	2284.5	2273.5	2281.7	2268.9
37.5°	2222.3	2215.0	2203.1	2210.4	2195.7
40°	2142.7	2136.3	2127.1	2129.0	2120.7
42.5°	2060.3	2053.0	2045.7	2042.0	2032.9
45°	1974.3	1967.9	1960.6	1957.9	1944.2
47.5°	1881.0	1876.4	1871.9	1865.5	1855.4
50°	1780.4	1782.2	1774.0	1768.5	1751.1
52.5°	1672.4	1683.4	1671.5	1663.3	1653.2
55°	1561.7	1573.6	1563.6	1557.2	1546.2
57.5°	1451.9	1457.4	1451.0	1446.4	1431.8
60°	1335.7	1340.3	1335.7	1325.7	1318.4
62.5°	1215.9	1221.4	1212.2	1204.9	1194.9
65°	1089.6	1092.4	1090.6	1075.9	1063.1
67.5°	962.5	967.0	961.6	951.5	938.7
70°	835.3	832.6	828.0	820.7	804.2
72.5°	700.8	700.8	699.9	686.2	677.9
75°	566.3	567.2	564.5	555.3	547.1
77.5°	431.8	441.9	434.6	425.4	416.3
80°	312.0	318.4	312.0	300.1	294.6
82.5°	199.4	208.6	203.1	191.2	189.4
85°	111.6	113.4	110.7	105.2	96.1
87.5°	42.1	43.9	44.8	36.6	32.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)