

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: P#

Luminaire Tested: **4RSRK-50-HE-L950**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-041-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4RSRK-50-HE-L950  
Description: 4ft RSRK, 500 LUMEN PER FOOT 90CRI 5000K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

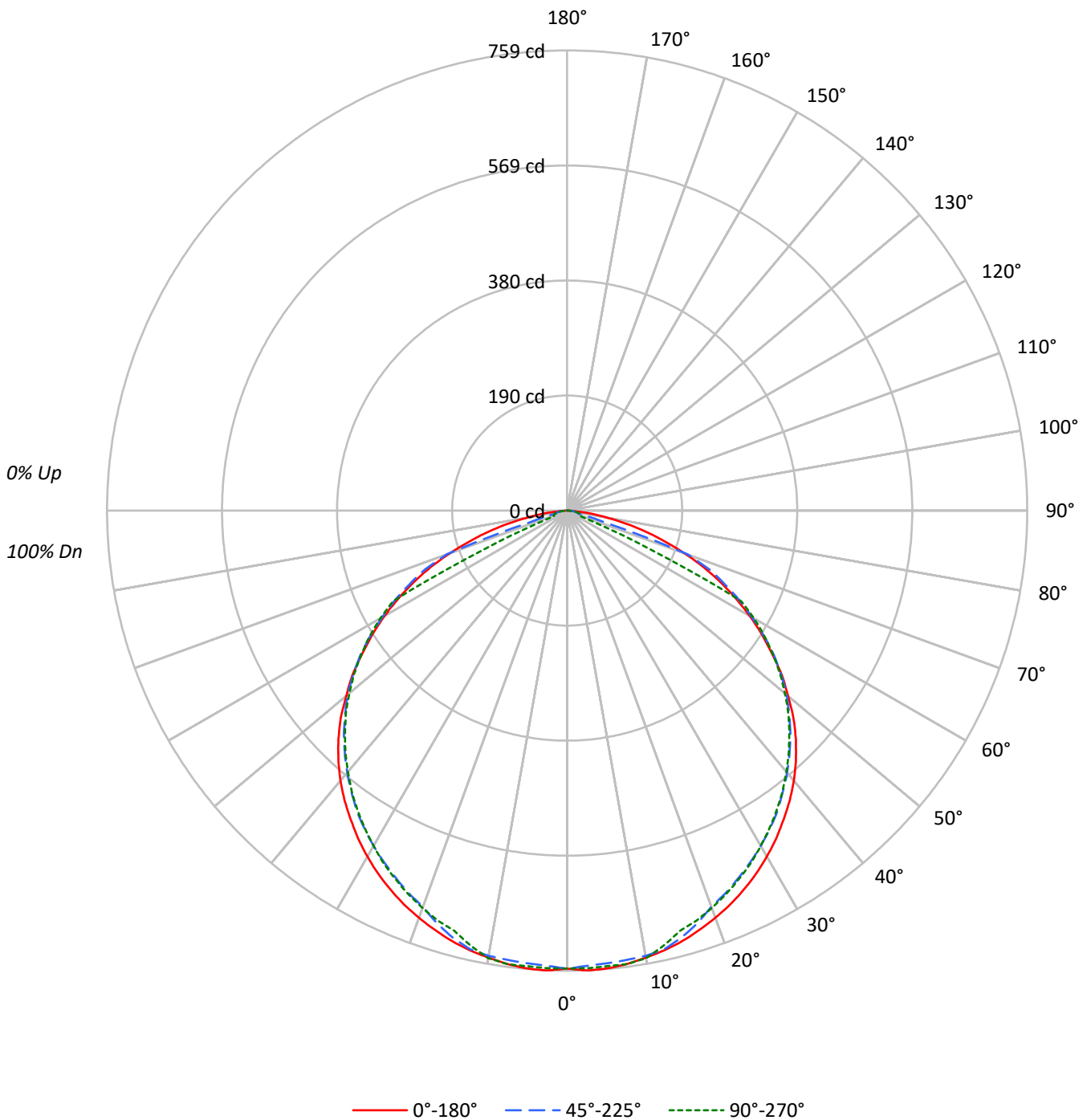
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2079.5 lumens  
Efficiency: N/A  
Efficacy: 145.4 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.3  
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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

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

	0°	45°	90°
0°	2033	2033	2033
5°	2048	2025	2038
10°	2046	2038	2048
15°	2048	2032	1999
20°	2047	1992	1997
25°	2048	1985	1991
30°	2047	1984	1984
35°	2044	1987	1981
40°	2043	1982	1976
45°	2030	1982	1971
50°	1991	1979	1963
55°	1937	1955	1946
60°	1874	1895	1916
65°	1775	1824	964
70°	1624	1662	183
75°	1394	201	220
80°	1046	254	254
85°	537	269	238



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.8	3.5
10°-20°	205.6	9.9
20°-30°	312.5	15.0
30°-40°	380.7	18.3
40°-50°	402.8	19.4
50°-60°	369.5	17.8
60°-70°	249.2	12.0
70°-80°	75.3	3.6
80°-90°	12.1	0.6
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°	589.9	28.4
0°-40°	970.5	46.7
0°-60°	1742.9	83.8
0°-90°	2079.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2079.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	755	755	755	755	755	
5°	758	752	750	756	754	72
15°	735	731	729	724	718	208
25°	690	689	668	675	670	318
35°	622	609	605	607	603	390
45°	534	521	521	522	518	411
55°	413	407	417	417	415	370
65°	279	275	286	290	151	275
75°	134	135	19	21	21	142
85°	17	9	9	8	8	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	755.4	755.4	755.4	755.4	755.4
2.5°	759.2	753.4	751.5	756.3	755.4
5°	758.2	752.5	749.5	756.3	754.4
7.5°	754.4	748.6	747.6	755.4	754.4
10°	748.6	744.7	745.7	752.5	749.5
12.5°	742.8	738.9	740.9	738.9	735.1
15°	735.1	731.2	729.3	723.5	717.7
17.5°	725.4	723.5	713.9	711.9	709.1
20°	714.8	714.8	695.5	701.3	697.5
22.5°	703.2	703.2	683.0	688.8	684.9
25°	689.8	688.8	668.5	675.3	670.5
27.5°	675.3	670.5	654.1	659.8	656.0
30°	658.9	650.2	638.6	642.5	638.6
32.5°	641.5	629.0	622.2	625.1	621.3
35°	622.2	608.7	604.9	606.8	602.9
37.5°	602.9	588.5	584.6	587.5	583.6
40°	581.7	568.2	564.3	566.3	562.4
42.5°	558.6	547.0	543.1	544.1	541.2
45°	533.5	520.9	520.9	521.9	518.0
47.5°	506.4	495.8	496.8	497.8	494.9
50°	475.6	467.9	472.7	473.7	468.8
52.5°	446.7	438.9	444.7	446.7	442.8
55°	412.9	407.1	416.7	416.7	414.8
57.5°	381.1	375.3	384.9	388.8	385.9
60°	348.2	342.5	352.1	358.9	356.0
62.5°	313.5	308.7	320.3	328.9	323.2
65°	278.8	274.9	286.5	290.4	151.4
67.5°	243.1	240.2	253.7	91.7	24.1
70°	206.4	203.6	211.3	23.2	23.2
72.5°	168.8	169.8	67.5	22.2	22.2
75°	134.1	135.1	19.3	21.2	21.2
77.5°	99.4	101.3	18.3	19.3	19.3
80°	67.5	49.2	16.4	16.4	16.4
82.5°	40.5	11.6	12.5	12.5	11.6
85°	17.4	8.7	8.7	7.7	7.7
87.5°	5.8	3.9	3.9	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)