

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: **8RSRK-TS-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 (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TS-50-HE-L950  
Description: 8ft RSRK, 500 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

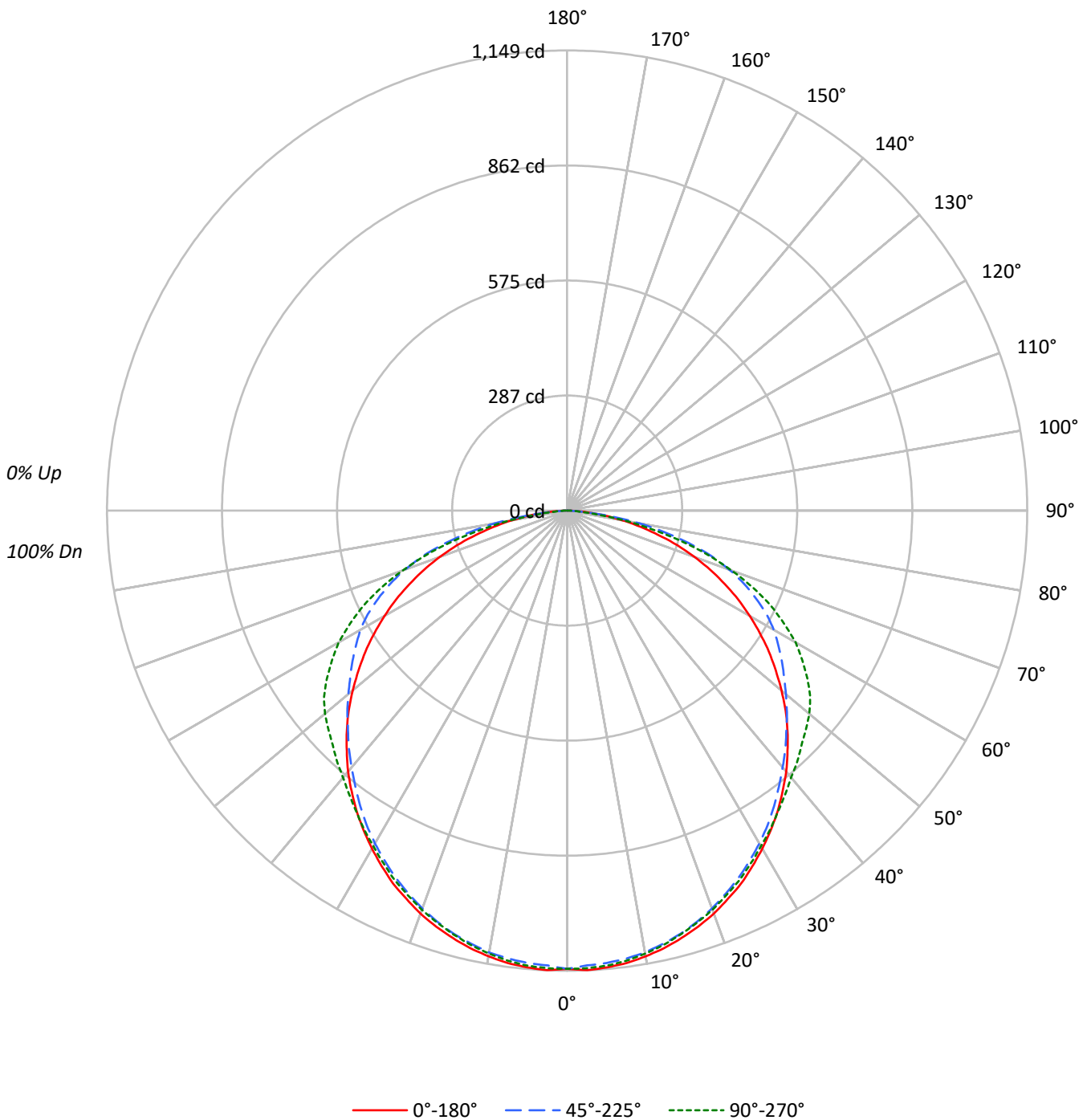
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3523.0 lumens  
Efficiency: N/A  
Efficacy: 246.4 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 8' 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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22

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

	0°	45°	90°
0°	1540	1540	1540
5°	1546	1531	1541
10°	1544	1530	1535
15°	1539	1523	1526
20°	1533	1514	1519
25°	1526	1503	1512
30°	1514	1491	1504
35°	1506	1479	1508
40°	1495	1470	1529
45°	1481	1473	1575
50°	1463	1492	1652
55°	1444	1535	1719
60°	1418	1604	1772
65°	1383	1658	1786
70°	1330	1695	1717
75°	1226	1640	1534
80°	1086	1411	1176
85°	781	715	466



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.4	3.1
10°-20°	310.1	8.8
20°-30°	469.6	13.3
30°-40°	569.5	16.2
40°-50°	609.3	17.3
50°-60°	590.5	16.8
60°-70°	494.6	14.0
70°-80°	303.9	8.6
80°-90°	67.1	1.9
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°	888.1	25.2
0°-40°	1457.6	41.4
0°-60°	2657.4	75.4
0°-90°	3523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3523.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1144	1144	1144	1144	1144	
5°	1145	1142	1134	1141	1141	109
15°	1105	1102	1094	1099	1096	312
25°	1028	1022	1012	1019	1018	473
35°	917	905	900	916	918	573
45°	778	762	774	814	828	600
55°	615	599	654	719	733	549
65°	434	432	521	556	561	430
75°	236	275	315	302	295	251
85°	51	68	46	32	30	64
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1144.3	1144.3	1144.3	1144.3	1144.3
2.5°	1148.6	1145.6	1136.9	1144.3	1143.7
5°	1144.9	1142.5	1133.8	1141.2	1140.6
7.5°	1139.4	1136.9	1128.3	1135.7	1133.8
10°	1130.1	1128.3	1120.2	1125.8	1123.3
12.5°	1119.0	1117.2	1107.9	1114.1	1111.0
15°	1104.8	1102.4	1093.7	1098.6	1095.6
17.5°	1088.8	1085.7	1077.0	1082.0	1078.9
20°	1070.9	1066.6	1057.3	1064.1	1061.0
22.5°	1049.3	1046.2	1035.1	1042.5	1039.4
25°	1027.7	1021.5	1012.2	1019.0	1018.4
27.5°	1001.7	995.6	986.3	994.3	993.1
30°	974.6	967.8	959.8	967.8	967.8
32.5°	946.2	937.6	931.4	940.6	943.7
35°	916.6	904.8	900.5	916.0	917.8
37.5°	883.9	872.1	868.4	888.8	893.7
40°	851.1	836.3	836.9	862.9	870.3
42.5°	814.7	799.9	806.7	836.9	850.5
45°	778.3	761.6	774.0	813.5	827.7
47.5°	740.0	724.0	744.4	790.7	808.6
50°	698.7	682.6	712.9	769.1	789.4
52.5°	656.7	640.1	682.6	746.8	765.3
55°	615.4	598.7	654.3	719.1	732.6
57.5°	570.9	556.7	624.6	682.6	696.2
60°	527.1	514.8	596.2	645.6	658.6
62.5°	482.0	472.8	561.7	603.0	610.4
65°	434.5	432.1	520.9	556.1	561.1
67.5°	387.0	393.2	479.0	501.8	502.4
70°	338.2	354.9	430.8	440.7	436.4
72.5°	288.9	317.9	377.7	372.8	369.1
75°	235.8	275.3	315.4	301.8	295.0
77.5°	187.6	232.1	248.7	229.6	219.1
80°	140.1	183.3	182.1	157.4	151.8
82.5°	94.4	127.8	109.2	88.9	77.8
85°	50.6	67.9	46.3	32.1	30.2
87.5°	19.1	16.0	12.3	11.1	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)