

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-TB-50-HE-L940**

Issue Date: 3/3/2020



**Test Information**

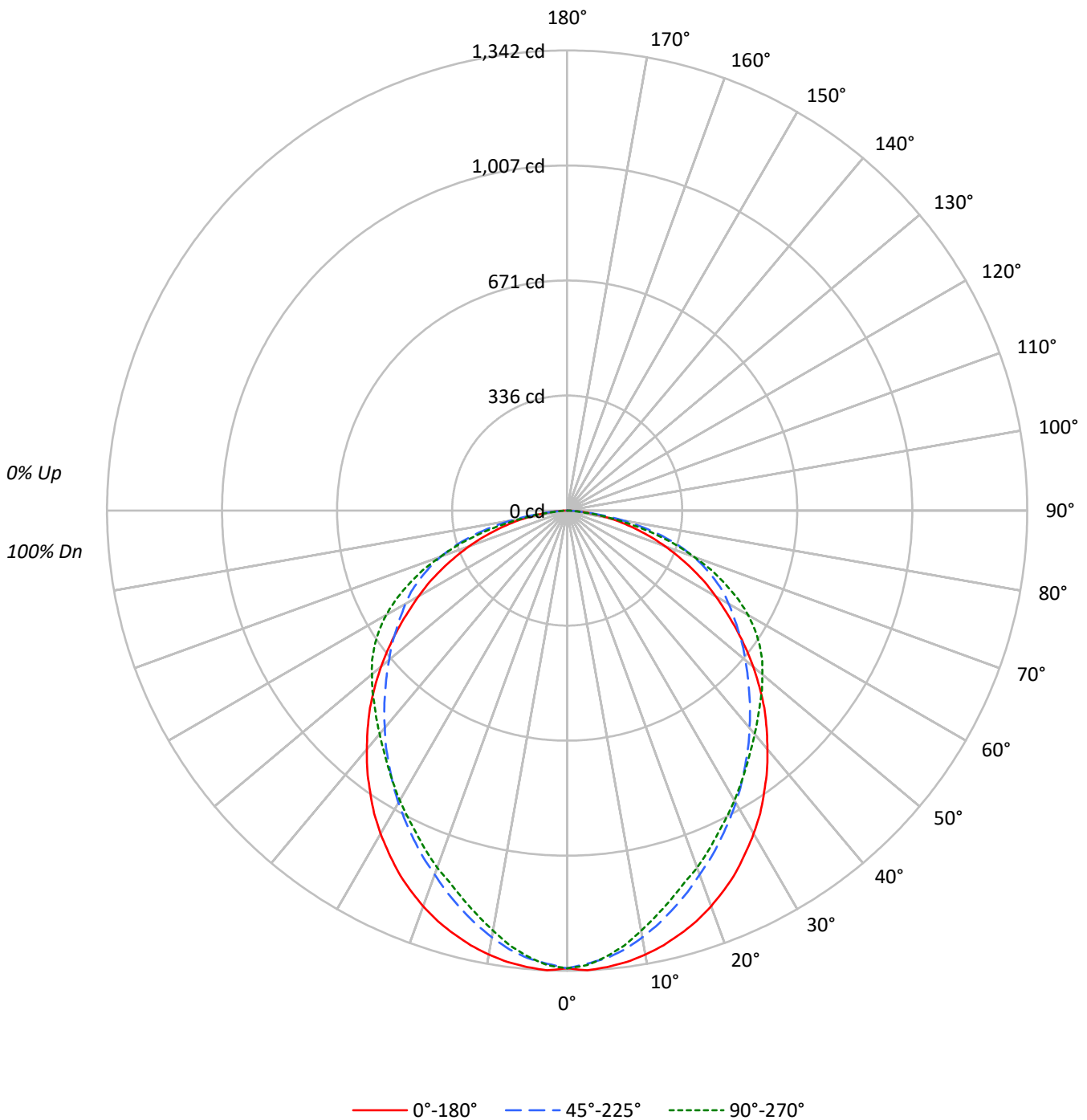
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TB-50-HE-L940  
Description: 8ft RSRK, 500 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3492.3 lumens  
Efficiency: N/A  
Efficacy: 244.2 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26  
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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	76	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	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

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

	0°	45°	90°
0°	1796	1796	1796
5°	1805	1770	1764
10°	1796	1727	1700
15°	1780	1673	1634
20°	1758	1618	1587
25°	1729	1571	1543
30°	1690	1529	1517
35°	1645	1487	1496
40°	1596	1453	1494
45°	1547	1429	1514
50°	1483	1419	1556
55°	1413	1428	1609
60°	1346	1464	1641
65°	1280	1510	1626
70°	1197	1543	1546
75°	1074	1497	1385
80°	940	1271	1029
85°	706	672	434



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.4	3.6
10°-20°	342.4	9.8
20°-30°	498.1	14.3
30°-40°	582.5	16.7
40°-50°	598.8	17.1
50°-60°	557.1	16.0
60°-70°	453.1	13.0
70°-80°	274.5	7.9
80°-90°	61.5	1.8
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°	964.8	27.6
0°-40°	1547.4	44.3
0°-60°	2703.2	77.4
0°-90°	3492.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3492.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1335	1335	1335	1335	1335	
5°	1336	1328	1310	1313	1306	127
15°	1278	1251	1201	1183	1173	360
25°	1164	1115	1058	1048	1039	536
35°	1002	949	906	911	911	627
45°	813	760	751	784	796	626
55°	602	569	609	671	686	539
65°	402	395	474	512	511	398
75°	207	246	288	275	266	221
85°	46	63	44	32	28	56
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1335.0	1335.0	1335.0	1335.0	1335.0
2.5°	1342.0	1335.9	1322.7	1330.2	1327.1
5°	1336.3	1328.4	1310.4	1313.0	1306.0
7.5°	1328.0	1316.5	1290.6	1285.3	1279.2
10°	1314.8	1298.1	1263.8	1255.4	1244.0
12.5°	1298.5	1277.0	1233.9	1219.0	1208.4
15°	1277.9	1250.6	1200.9	1182.9	1172.8
17.5°	1255.4	1221.6	1166.7	1148.2	1137.6
20°	1227.8	1189.1	1129.7	1114.3	1108.2
22.5°	1197.0	1152.6	1095.4	1081.8	1074.8
25°	1164.5	1115.2	1058.5	1048.0	1039.2
27.5°	1126.2	1076.1	1021.1	1013.7	1007.5
30°	1088.0	1036.5	984.2	978.9	976.3
32.5°	1047.5	991.7	945.5	944.7	943.3
35°	1001.8	948.6	905.5	911.3	910.8
37.5°	957.4	902.9	867.7	877.8	880.0
40°	908.6	855.4	827.3	844.4	850.6
42.5°	860.7	809.7	789.5	812.8	822.9
45°	812.8	760.5	750.8	783.8	795.6
47.5°	760.5	713.4	714.3	756.5	770.6
50°	708.6	664.6	677.8	727.1	743.3
52.5°	655.0	617.2	644.9	698.5	717.0
55°	602.2	569.3	608.8	670.8	685.7
57.5°	549.5	523.1	575.9	635.2	650.1
60°	500.2	477.4	544.2	598.3	609.7
62.5°	453.2	434.7	513.0	557.8	563.5
65°	402.2	394.7	474.3	512.1	510.8
67.5°	352.1	353.9	434.7	459.4	457.2
70°	304.2	318.3	392.1	402.2	393.0
72.5°	255.0	281.3	342.4	341.6	332.3
75°	206.6	245.7	287.9	275.2	266.4
77.5°	164.8	207.5	228.6	211.0	196.9
80°	121.3	166.2	164.0	144.2	132.8
82.5°	79.6	115.6	101.5	81.8	76.5
85°	45.7	62.9	43.5	31.6	28.1
87.5°	19.3	16.7	11.0	10.1	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)