

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-L935**

Issue Date: 3/3/2020



**Test Information**

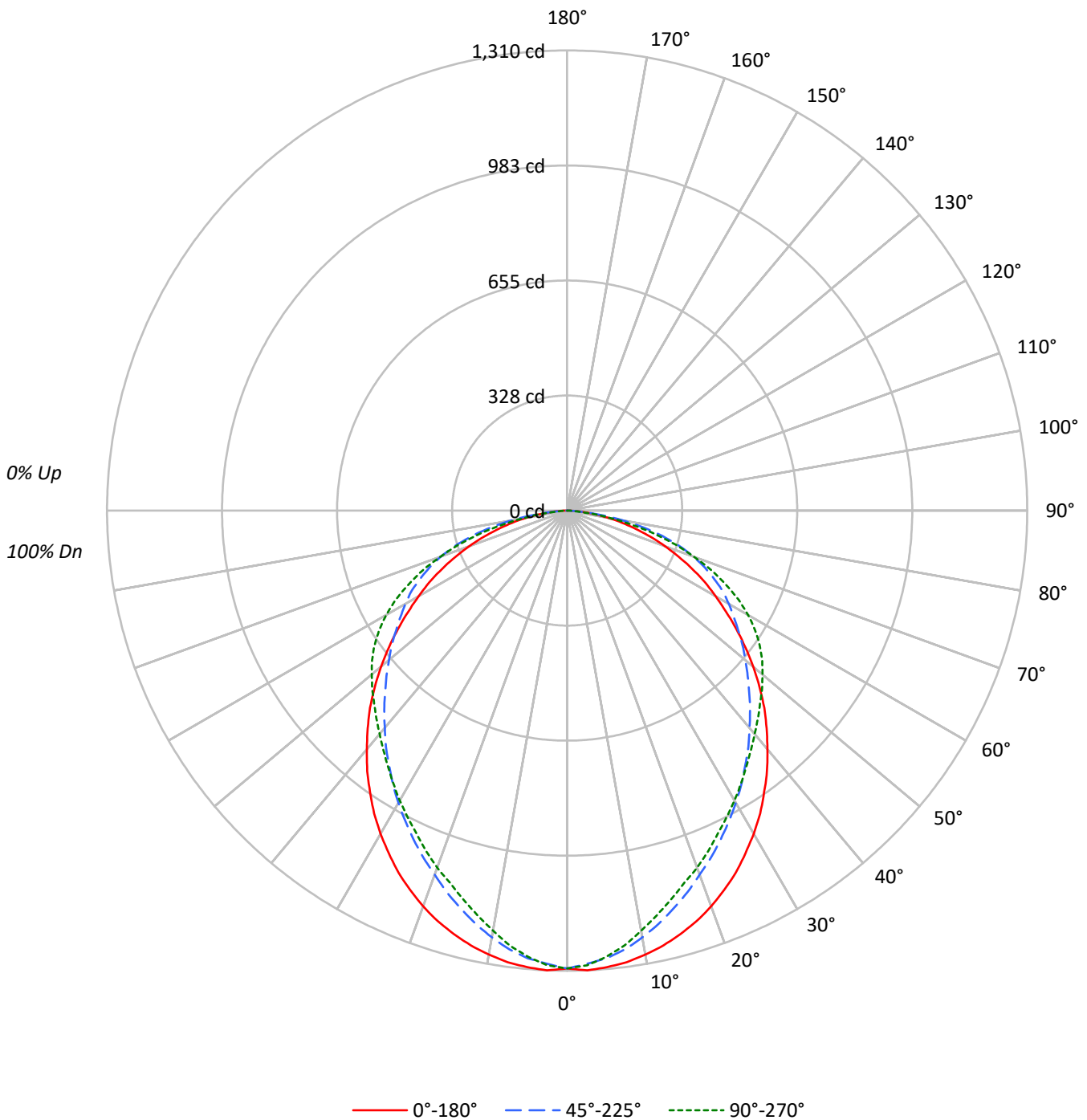
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TB-50-HE-L935  
Description: 8ft RSRK, 500 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3409.7 lumens  
Efficiency: N/A  
Efficacy: 238.4 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°	1754	1754	1754
5°	1762	1728	1722
10°	1754	1686	1659
15°	1738	1633	1595
20°	1716	1579	1549
25°	1688	1534	1506
30°	1650	1493	1481
35°	1607	1452	1461
40°	1558	1419	1459
45°	1510	1395	1478
50°	1448	1385	1519
55°	1379	1394	1571
60°	1314	1430	1602
65°	1250	1474	1588
70°	1168	1506	1509
75°	1049	1461	1352
80°	918	1241	1004
85°	689	656	425



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.5	3.6
10°-20°	334.3	9.8
20°-30°	486.3	14.3
30°-40°	568.8	16.7
40°-50°	584.6	17.1
50°-60°	543.9	16.0
60°-70°	442.4	13.0
70°-80°	268.0	7.9
80°-90°	60.0	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°	942.0	27.6
0°-40°	1510.8	44.3
0°-60°	2639.3	77.4
0°-90°	3409.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3409.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1303	1303	1303	1303	1303	
5°	1305	1297	1279	1282	1275	124
15°	1248	1221	1172	1155	1145	352
25°	1137	1089	1034	1023	1015	523
35°	978	926	884	890	889	612
45°	794	742	733	765	777	611
55°	588	556	594	655	670	526
65°	393	385	463	500	499	389
75°	202	240	281	269	260	216
85°	45	61	42	31	28	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1303.4	1303.4	1303.4	1303.4	1303.4
2.5°	1310.3	1304.3	1291.4	1298.7	1295.7
5°	1304.7	1297.0	1279.4	1282.0	1275.1
7.5°	1296.6	1285.4	1260.1	1254.9	1248.9
10°	1283.7	1267.4	1233.9	1225.8	1214.6
12.5°	1267.8	1246.8	1204.7	1190.1	1179.8
15°	1247.6	1221.0	1172.5	1154.9	1145.1
17.5°	1225.8	1192.7	1139.1	1121.0	1110.7
20°	1198.7	1160.9	1103.0	1088.0	1082.0
22.5°	1168.7	1125.3	1069.5	1056.2	1049.4
25°	1136.9	1088.8	1033.5	1023.2	1014.6
27.5°	1099.6	1050.6	997.0	989.7	983.7
30°	1062.2	1012.0	960.9	955.8	953.2
32.5°	1022.8	968.2	923.2	922.3	921.0
35°	978.1	926.2	884.1	889.7	889.3
37.5°	934.8	881.5	847.2	857.1	859.2
40°	887.1	835.2	807.7	824.5	830.5
42.5°	840.3	790.6	770.8	793.6	803.4
45°	793.6	742.5	733.1	765.2	776.8
47.5°	742.5	696.6	697.4	738.6	752.4
50°	691.8	648.9	661.8	709.9	725.8
52.5°	639.5	602.6	629.6	682.0	700.0
55°	588.0	555.8	594.4	654.9	669.5
57.5°	536.5	510.7	562.2	620.2	634.8
60°	488.4	466.1	531.3	584.1	595.3
62.5°	442.5	424.5	500.9	544.6	550.2
65°	392.7	385.4	463.1	500.0	498.7
67.5°	343.8	345.5	424.5	448.5	446.4
70°	297.0	310.7	382.8	392.7	383.7
72.5°	248.9	274.7	334.3	333.5	324.5
75°	201.7	239.9	281.1	268.7	260.1
77.5°	160.9	202.6	223.2	206.0	192.3
80°	118.5	162.2	160.1	140.8	129.6
82.5°	77.7	112.9	99.1	79.8	74.7
85°	44.6	61.4	42.5	30.9	27.5
87.5°	18.9	16.3	10.7	9.9	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)