

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-TS-50-HE-L940**

Issue Date: 3/3/2020



**Test Information**

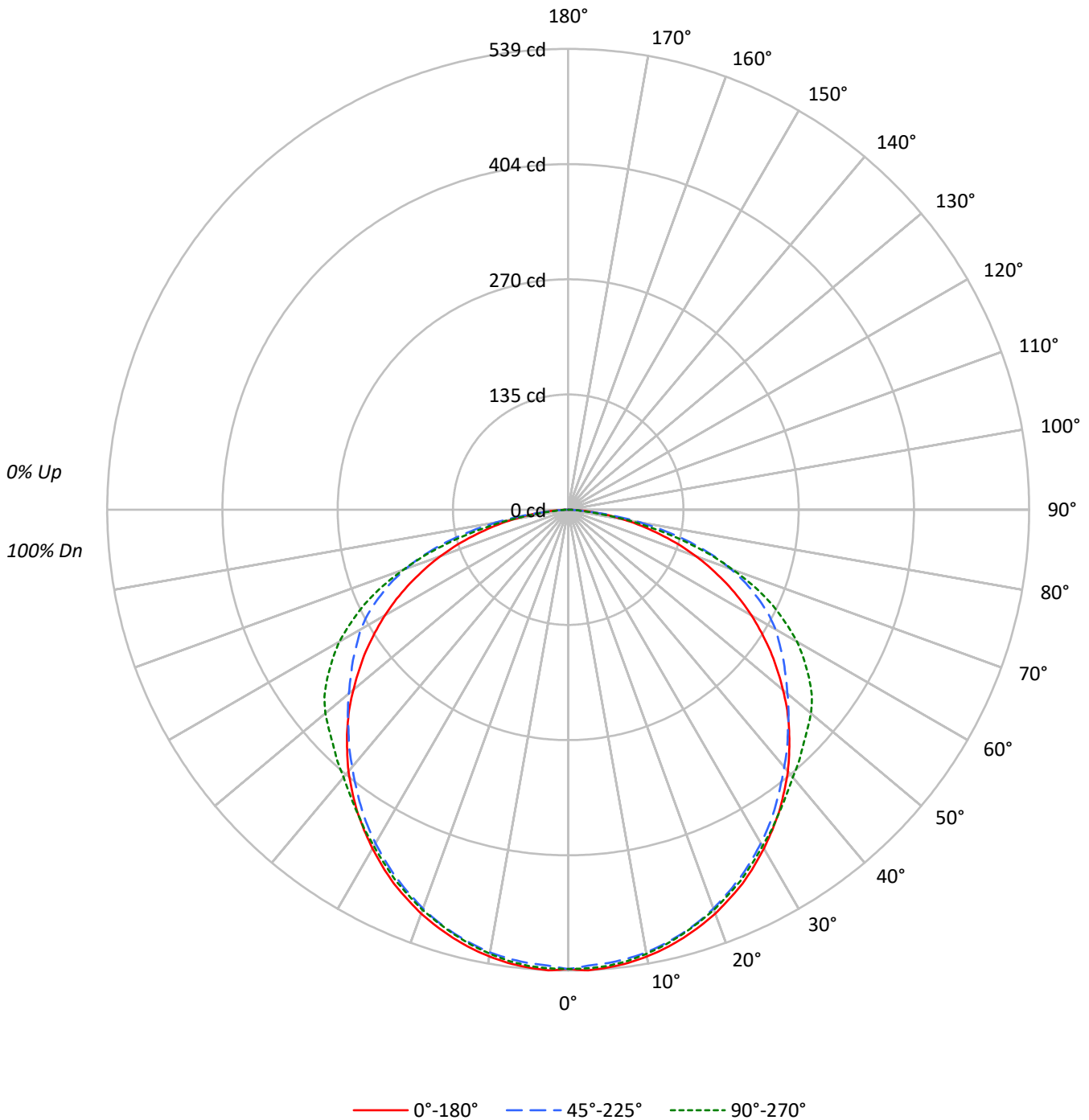
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4RSRK-TS-50-HE-L940  
Description: 4ft RSRK, 500 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1654.0 lumens  
Efficiency: N/A  
Efficacy: 115.7 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39  
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	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°	1446	1446	1446
5°	1452	1438	1447
10°	1450	1437	1441
15°	1445	1431	1433
20°	1440	1422	1426
25°	1433	1411	1420
30°	1422	1400	1412
35°	1414	1389	1416
40°	1404	1380	1435
45°	1391	1383	1479
50°	1373	1401	1551
55°	1355	1441	1614
60°	1332	1506	1664
65°	1299	1557	1677
70°	1249	1592	1612
75°	1151	1540	1440
80°	1020	1325	1105
85°	735	670	438



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.9	3.1
10°-20°	145.6	8.8
20°-30°	220.5	13.3
30°-40°	267.4	16.2
40°-50°	286.0	17.3
50°-60°	277.3	16.8
60°-70°	232.2	14.0
70°-80°	142.7	8.6
80°-90°	31.5	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°	416.9	25.2
0°-40°	684.3	41.4
0°-60°	1247.6	75.4
0°-90°	1654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1654.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	537	537	537	537	537	
5°	538	536	532	536	536	51
15°	519	518	514	516	514	146
25°	482	480	475	478	478	222
35°	430	425	423	430	431	269
45°	365	358	363	382	389	282
55°	289	281	307	338	344	258
65°	204	203	245	261	263	202
75°	111	129	148	142	138	118
85°	24	32	22	15	14	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	537.2	537.2	537.2	537.2	537.2
2.5°	539.3	537.8	533.8	537.2	536.9
5°	537.5	536.4	532.3	535.8	535.5
7.5°	534.9	533.8	529.7	533.2	532.3
10°	530.6	529.7	525.9	528.5	527.4
12.5°	525.4	524.5	520.1	523.0	521.6
15°	518.7	517.5	513.5	515.8	514.3
17.5°	511.2	509.7	505.6	508.0	506.5
20°	502.8	500.7	496.4	499.6	498.1
22.5°	492.6	491.2	485.9	489.4	488.0
25°	482.5	479.6	475.2	478.4	478.1
27.5°	470.3	467.4	463.1	466.8	466.2
30°	457.5	454.4	450.6	454.4	454.4
32.5°	444.2	440.2	437.3	441.6	443.1
35°	430.3	424.8	422.8	430.0	430.9
37.5°	415.0	409.4	407.7	417.3	419.6
40°	399.6	392.6	392.9	405.1	408.6
42.5°	382.5	375.5	378.7	392.9	399.3
45°	365.4	357.6	363.4	381.9	388.6
47.5°	347.4	339.9	349.5	371.2	379.6
50°	328.0	320.5	334.7	361.1	370.6
52.5°	308.3	300.5	320.5	350.6	359.3
55°	288.9	281.1	307.2	337.6	344.0
57.5°	268.0	261.4	293.2	320.5	326.9
60°	247.5	241.7	279.9	303.1	309.2
62.5°	226.3	222.0	263.7	283.1	286.6
65°	204.0	202.8	244.6	261.1	263.4
67.5°	181.7	184.6	224.9	235.6	235.9
70°	158.8	166.6	202.3	206.9	204.9
72.5°	135.6	149.2	177.3	175.0	173.3
75°	110.7	129.2	148.1	141.7	138.5
77.5°	88.1	109.0	116.8	107.8	102.9
80°	65.8	86.1	85.5	73.9	71.3
82.5°	44.3	60.0	51.3	41.7	36.5
85°	23.8	31.9	21.7	15.1	14.2
87.5°	9.0	7.5	5.8	5.2	5.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)