

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-TB-50-HE-L950**

Issue Date: 3/3/2020



**Test Information**

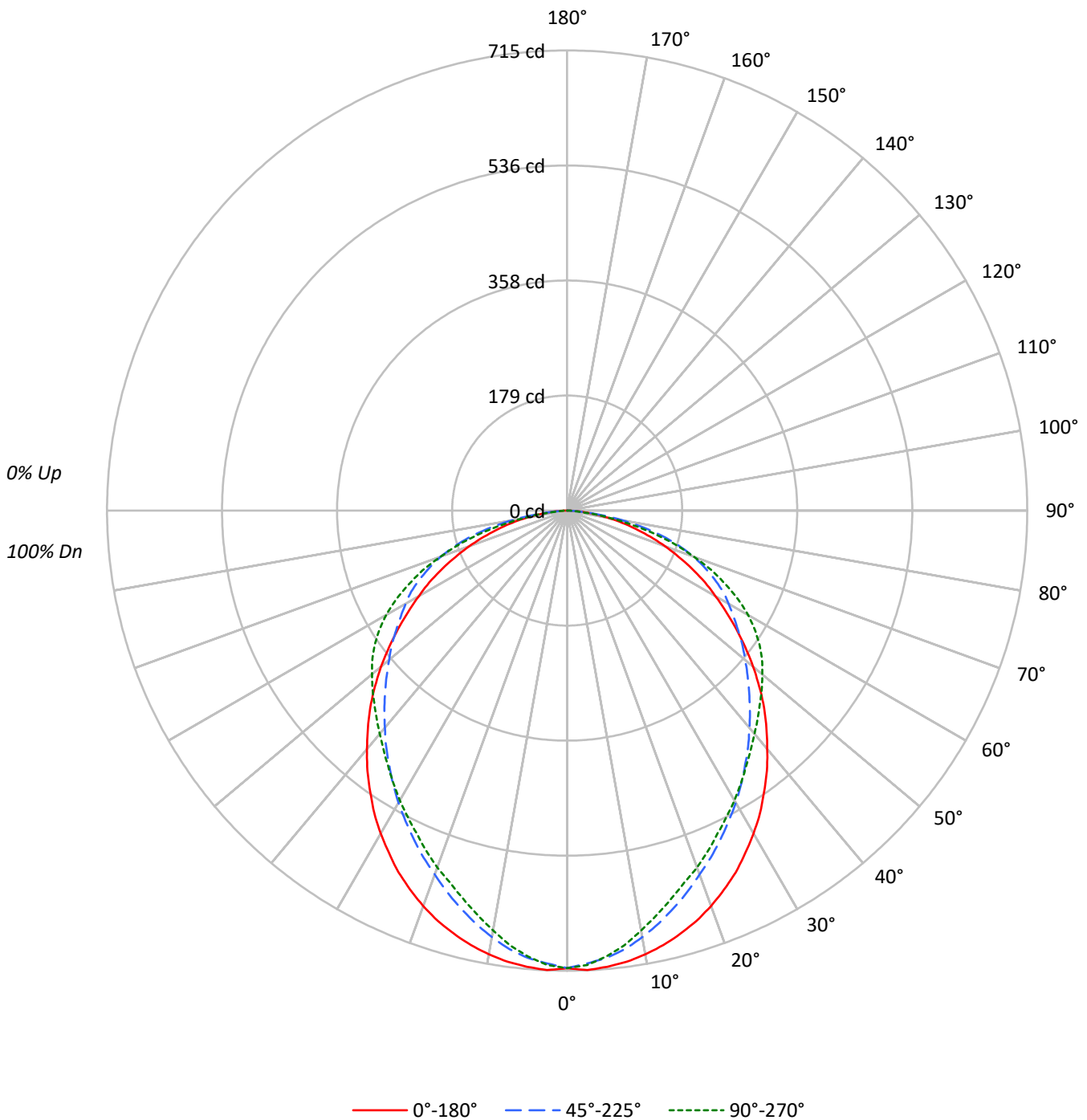
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4RSRK-TB-50-HE-L950  
Description: 4ft RSRK, 500 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1859.7 lumens  
Efficiency: N/A  
Efficacy: 130.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26  
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

TEST NUMBER: P#  
CATALOG NUMBER: 4RSRK-TB-50-HE-L950

### 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°	1913	1913	1913
5°	1922	1885	1879
10°	1913	1839	1810
15°	1896	1782	1740
20°	1872	1723	1690
25°	1841	1674	1643
30°	1800	1629	1615
35°	1753	1584	1593
40°	1700	1547	1591
45°	1647	1521	1612
50°	1580	1511	1657
55°	1505	1521	1713
60°	1434	1560	1748
65°	1364	1608	1732
70°	1275	1643	1647
75°	1144	1594	1475
80°	1001	1353	1096
85°	750	716	463



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.3	3.6
10°-20°	182.3	9.8
20°-30°	265.2	14.3
30°-40°	310.2	16.7
40°-50°	318.9	17.1
50°-60°	296.6	16.0
60°-70°	241.3	13.0
70°-80°	146.2	7.9
80°-90°	32.8	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°	513.8	27.6
0°-40°	824.0	44.3
0°-60°	1439.5	77.4
0°-90°	1859.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1859.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	711	711	711	711	711	
5°	712	707	698	699	696	68
15°	680	666	640	630	624	192
25°	620	594	564	558	553	285
35°	534	505	482	485	485	334
45°	433	405	400	417	424	333
55°	321	303	324	357	365	287
65°	214	210	253	273	272	212
75°	110	131	153	146	142	118
85°	24	34	23	17	15	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	710.9	710.9	710.9	710.9	710.9
2.5°	714.6	711.4	704.3	708.3	706.7
5°	711.6	707.4	697.8	699.2	695.5
7.5°	707.2	701.1	687.3	684.5	681.2
10°	700.1	691.2	673.0	668.5	662.4
12.5°	691.5	680.0	657.1	649.1	643.5
15°	680.5	666.0	639.5	629.9	624.5
17.5°	668.5	650.5	621.2	611.4	605.8
20°	653.8	633.2	601.6	593.4	590.1
22.5°	637.4	613.8	583.3	576.1	572.3
25°	620.1	593.9	563.7	558.0	553.4
27.5°	599.7	573.0	543.8	539.8	536.5
30°	579.3	552.0	524.1	521.3	519.9
32.5°	557.8	528.1	503.5	503.0	502.3
35°	533.5	505.1	482.2	485.2	485.0
37.5°	509.8	480.8	462.1	467.5	468.6
40°	483.8	455.5	440.5	449.7	452.9
42.5°	458.3	431.2	420.4	432.8	438.2
45°	432.8	405.0	399.8	417.4	423.7
47.5°	405.0	379.9	380.4	402.9	410.3
50°	377.3	353.9	361.0	387.2	395.8
52.5°	348.8	328.6	343.4	372.0	381.8
55°	320.7	303.1	324.2	357.2	365.2
57.5°	292.6	278.6	306.6	338.2	346.2
60°	266.4	254.2	289.8	318.6	324.7
62.5°	241.3	231.5	273.2	297.0	300.1
65°	214.2	210.2	252.6	272.7	272.0
67.5°	187.5	188.4	231.5	244.6	243.4
70°	162.0	169.5	208.8	214.2	209.3
72.5°	135.8	149.8	182.3	181.9	177.0
75°	110.0	130.9	153.3	146.5	141.9
77.5°	87.8	110.5	121.7	112.4	104.9
80°	64.6	88.5	87.3	76.8	70.7
82.5°	42.4	61.6	54.1	43.5	40.7
85°	24.3	33.5	23.2	16.9	15.0
87.5°	10.3	8.9	5.9	5.4	4.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)