

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: **6RSRK-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: 6RSRK-TB-50-HE-L950  
Description: 6ft RSRK, 500 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

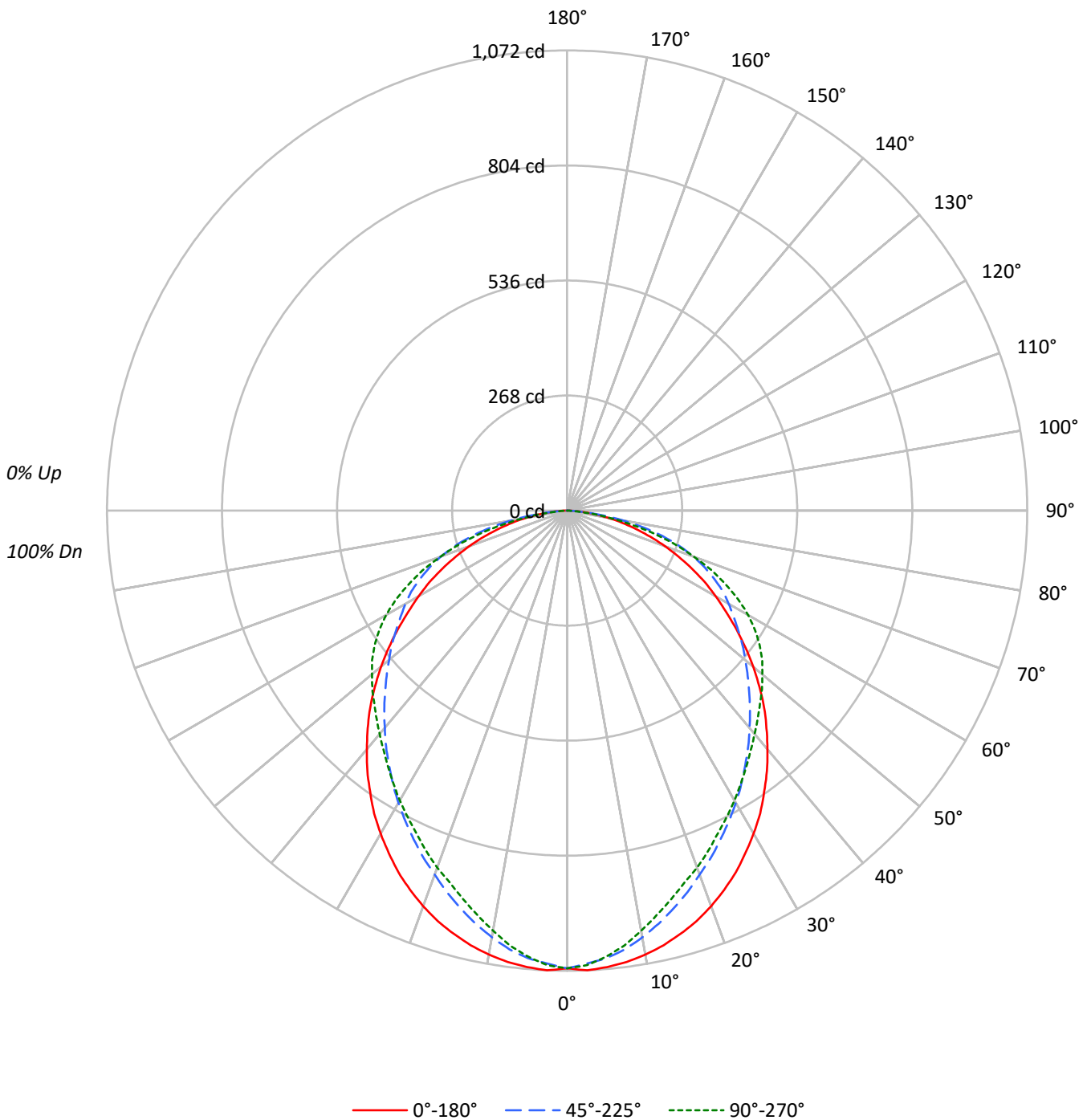
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2789.5 lumens  
Efficiency: N/A  
Efficacy: 195.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26  
Luminous Opening: Rectangular (W 1' x L: 6' 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°	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°	1752	1584	1593
40°	1700	1548	1591
45°	1647	1521	1612
50°	1580	1511	1657
55°	1504	1521	1713
60°	1434	1560	1747
65°	1364	1608	1732
70°	1275	1643	1646
75°	1144	1594	1475
80°	1001	1353	1095
85°	751	716	463



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.4	3.6
10°-20°	273.5	9.8
20°-30°	397.8	14.3
30°-40°	465.3	16.7
40°-50°	478.3	17.1
50°-60°	445.0	16.0
60°-70°	362.0	13.0
70°-80°	219.2	7.9
80°-90°	49.1	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°	770.7	27.6
0°-40°	1236.0	44.3
0°-60°	2159.2	77.4
0°-90°	2789.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2789.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1066	1066	1066	1066	1066	
5°	1067	1061	1047	1049	1043	101
15°	1021	999	959	945	937	288
25°	930	891	846	837	830	428
35°	800	758	723	728	728	501
45°	649	607	600	626	636	500
55°	481	455	486	536	548	431
65°	321	315	379	409	408	318
75°	165	196	230	220	213	177
85°	36	50	35	25	22	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1066.4	1066.4	1066.4	1066.4	1066.4
2.5°	1072.0	1067.1	1056.5	1062.5	1060.0
5°	1067.4	1061.1	1046.7	1048.8	1043.2
7.5°	1060.7	1051.6	1030.9	1026.7	1021.8
10°	1050.2	1036.9	1009.5	1002.8	993.7
12.5°	1037.2	1020.0	985.6	973.7	965.2
15°	1020.7	998.9	959.3	944.9	936.8
17.5°	1002.8	975.8	931.9	917.1	908.7
20°	980.7	949.8	902.4	890.1	885.2
22.5°	956.1	920.6	875.0	864.1	858.5
25°	930.1	890.8	845.5	837.1	830.0
27.5°	899.6	859.5	815.7	809.7	804.8
30°	869.0	827.9	786.2	781.9	779.8
32.5°	836.7	792.1	755.3	754.6	753.5
35°	800.2	757.7	723.3	727.9	727.5
37.5°	764.7	721.2	693.1	701.2	702.9
40°	725.8	683.3	660.8	674.5	679.4
42.5°	687.5	646.8	630.6	649.2	657.3
45°	649.2	607.4	599.7	626.0	635.5
47.5°	607.4	569.9	570.6	604.3	615.5
50°	566.0	530.9	541.4	580.8	593.7
52.5°	523.2	493.0	515.1	557.9	572.7
55°	481.0	454.7	486.3	535.8	547.7
57.5°	438.9	417.8	460.0	507.4	519.3
60°	399.6	381.3	434.7	477.9	487.0
62.5°	362.0	347.3	409.8	445.6	450.1
65°	321.3	315.3	378.9	409.1	408.0
67.5°	281.2	282.7	347.3	366.9	365.2
70°	243.0	254.2	313.2	321.3	313.9
72.5°	203.6	224.7	273.5	272.8	265.4
75°	165.0	196.3	230.0	219.8	212.8
77.5°	131.7	165.7	182.6	168.5	157.3
80°	96.9	132.7	131.0	115.2	106.0
82.5°	63.6	92.3	81.1	65.3	61.1
85°	36.5	50.2	34.8	25.3	22.5
87.5°	15.4	13.3	8.8	8.1	7.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)