

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-TS-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 (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TS-50-HE-L950  
Description: 6ft RSRK, 500 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

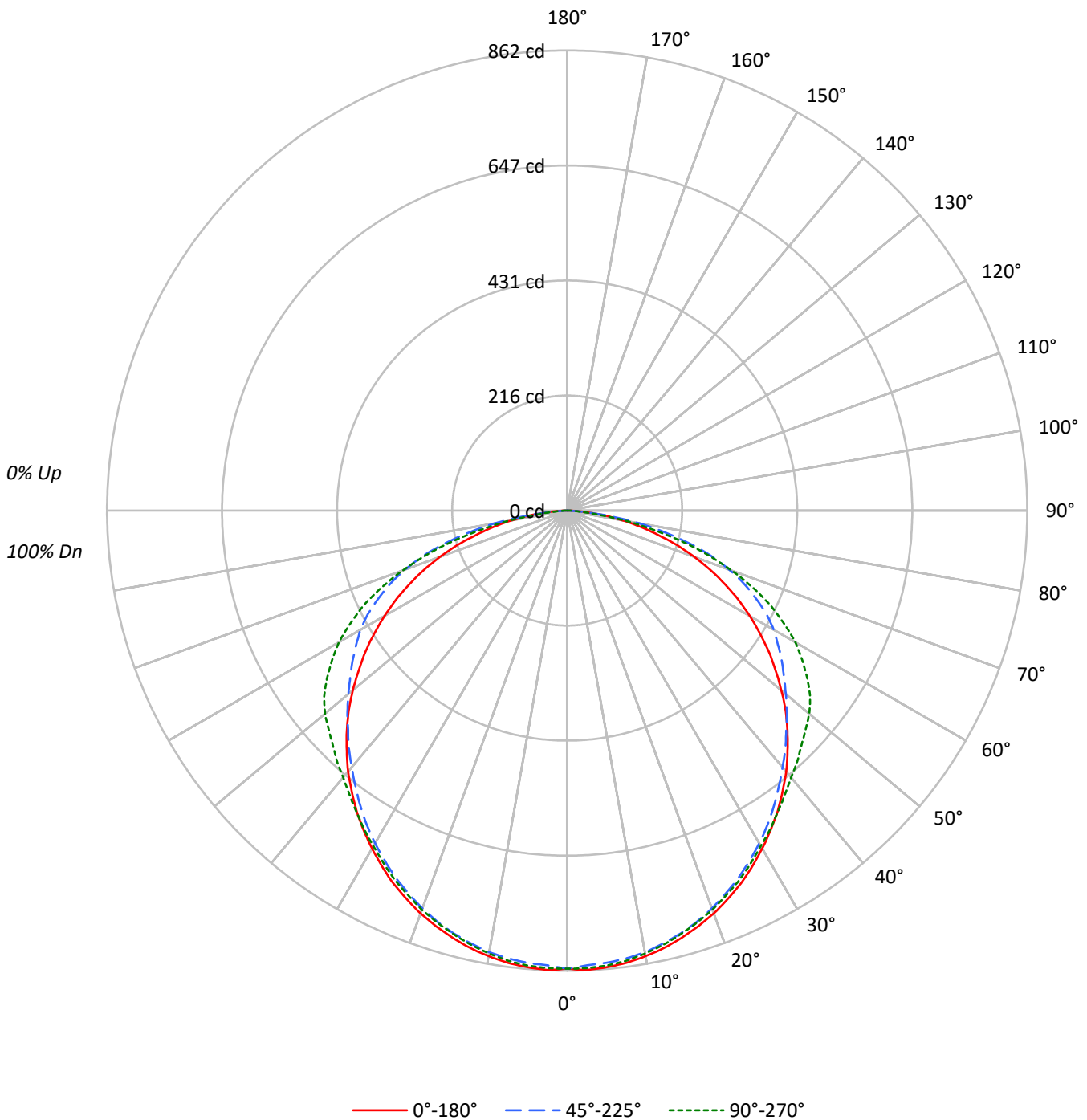
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2642.3 lumens  
Efficiency: N/A  
Efficacy: 184.8 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39  
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	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°	1540	1540	1540
5°	1546	1531	1541
10°	1544	1531	1535
15°	1539	1524	1526
20°	1533	1514	1519
25°	1526	1503	1512
30°	1514	1491	1504
35°	1505	1479	1508
40°	1495	1470	1529
45°	1481	1473	1575
50°	1462	1492	1653
55°	1443	1535	1719
60°	1418	1605	1772
65°	1383	1658	1786
70°	1331	1695	1717
75°	1225	1639	1534
80°	1086	1411	1177
85°	782	714	467



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.3	3.1
10°-20°	232.6	8.8
20°-30°	352.2	13.3
30°-40°	427.2	16.2
40°-50°	457.0	17.3
50°-60°	442.9	16.8
60°-70°	370.9	14.0
70°-80°	227.9	8.6
80°-90°	50.3	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
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0°-30°	666.1	25.2
0°-40°	1093.2	41.4
0°-60°	1993.1	75.4
0°-90°	2642.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2642.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	858	858	858	858	858	
5°	859	857	850	856	856	82
15°	829	827	820	824	822	234
25°	771	766	759	764	764	355
35°	687	679	675	687	688	430
45°	584	571	580	610	621	450
55°	462	449	491	539	550	412
65°	326	324	391	417	421	322
75°	177	206	236	226	221	188
85°	38	51	35	24	23	48
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	858.2	858.2	858.2	858.2	858.2
2.5°	861.5	859.2	852.7	858.2	857.8
5°	858.7	856.9	850.4	855.9	855.5
7.5°	854.5	852.7	846.2	851.8	850.4
10°	847.6	846.2	840.2	844.4	842.5
12.5°	839.3	837.9	830.9	835.6	833.2
15°	828.6	826.8	820.3	824.0	821.7
17.5°	816.6	814.3	807.8	811.5	809.2
20°	803.2	799.9	793.0	798.1	795.7
22.5°	787.0	784.6	776.3	781.9	779.5
25°	770.8	766.1	759.2	764.3	763.8
27.5°	751.3	746.7	739.7	745.8	744.8
30°	730.9	725.8	719.8	725.8	725.8
32.5°	709.6	703.2	698.5	705.5	707.8
35°	687.4	678.6	675.4	687.0	688.4
37.5°	662.9	654.1	651.3	666.6	670.3
40°	638.4	627.2	627.7	647.2	652.7
42.5°	611.0	599.9	605.0	627.7	637.9
45°	583.7	571.2	580.5	610.1	620.8
47.5°	555.0	543.0	558.3	593.0	606.4
50°	524.0	512.0	534.7	576.8	592.1
52.5°	492.5	480.0	512.0	560.1	574.0
55°	461.5	449.0	490.7	539.3	549.5
57.5°	428.2	417.5	468.5	512.0	522.2
60°	395.3	386.1	447.2	484.2	493.9
62.5°	361.5	354.6	421.3	452.3	457.8
65°	325.9	324.0	390.7	417.1	420.8
67.5°	290.2	294.9	359.2	376.3	376.8
70°	253.7	266.2	323.1	330.5	327.3
72.5°	216.6	238.4	283.3	279.6	276.8
75°	176.8	206.5	236.5	226.4	221.3
77.5°	140.7	174.1	186.6	172.2	164.3
80°	105.1	137.5	136.6	118.0	113.9
82.5°	70.8	95.8	81.9	66.7	58.3
85°	38.0	50.9	34.7	24.1	22.7
87.5°	14.4	12.0	9.3	8.3	8.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)