

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-65-HE-L930**

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-65-HE-L930  
Description: 4ft RSRK, 650 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

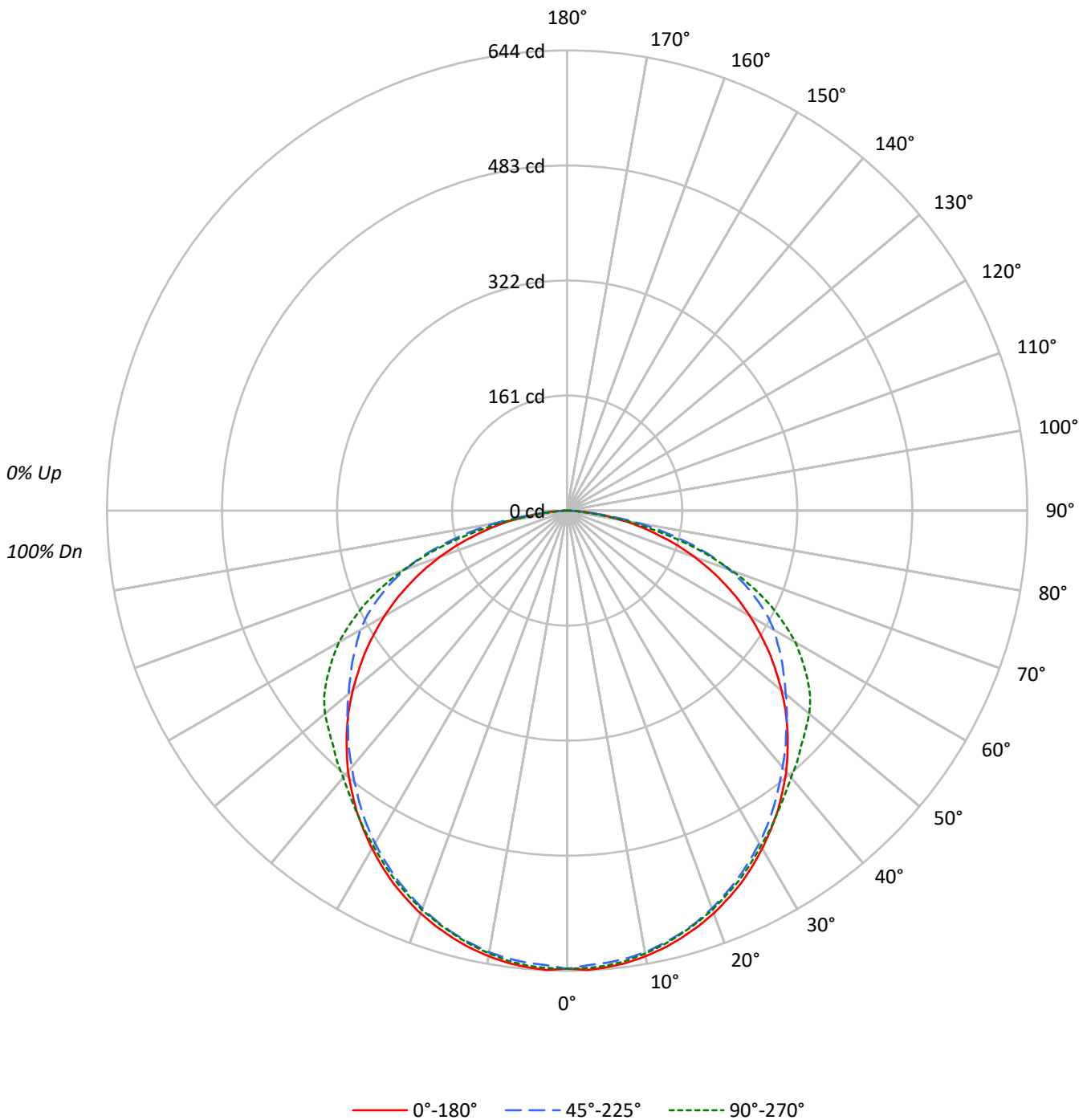
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1973.9 lumens  
Efficiency: N/A  
Efficacy: 104.4 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): 18.9  
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°	1725	1725	1725
5°	1733	1716	1726
10°	1730	1715	1720
15°	1724	1707	1710
20°	1718	1696	1702
25°	1710	1684	1694
30°	1697	1671	1685
35°	1687	1658	1689
40°	1675	1647	1713
45°	1660	1650	1765
50°	1639	1672	1852
55°	1618	1720	1926
60°	1589	1798	1986
65°	1550	1859	2001
70°	1491	1899	1924
75°	1373	1837	1719
80°	1216	1581	1319
85°	877	800	522



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.7	3.1
10°-20°	173.8	8.8
20°-30°	263.1	13.3
30°-40°	319.1	16.2
40°-50°	341.4	17.3
50°-60°	330.9	16.8
60°-70°	277.1	14.0
70°-80°	170.3	8.6
80°-90°	37.6	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°	497.6	25.2
0°-40°	816.7	41.4
0°-60°	1488.9	75.4
0°-90°	1973.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1973.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	641	641	641	641	641	
5°	642	640	635	639	639	61
15°	619	618	613	616	614	175
25°	576	572	567	571	571	265
35°	514	507	505	513	514	321
45°	436	427	434	456	464	336
55°	345	335	367	403	410	308
65°	244	242	292	312	314	241
75°	132	154	177	169	165	141
85°	28	38	26	18	17	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	641.1	641.1	641.1	641.1	641.1
2.5°	643.6	641.8	637.0	641.1	640.8
5°	641.5	640.1	635.3	639.4	639.1
7.5°	638.4	637.0	632.2	636.3	635.3
10°	633.2	632.2	627.7	630.8	629.4
12.5°	627.0	625.9	620.7	624.2	622.5
15°	619.0	617.6	612.8	615.6	613.8
17.5°	610.0	608.3	603.5	606.2	604.5
20°	600.0	597.6	592.4	596.2	594.5
22.5°	587.9	586.2	579.9	584.1	582.4
25°	575.8	572.3	567.1	570.9	570.6
27.5°	561.3	557.8	552.6	557.1	556.4
30°	546.0	542.2	537.7	542.2	542.2
32.5°	530.1	525.3	521.8	527.0	528.8
35°	513.5	507.0	504.6	513.2	514.2
37.5°	495.2	488.6	486.6	498.0	500.7
40°	476.9	468.6	468.9	483.5	487.6
42.5°	456.5	448.2	452.0	468.9	476.5
45°	436.1	426.7	433.7	455.8	463.7
47.5°	414.6	405.6	417.1	443.0	453.0
50°	391.5	382.5	399.4	430.9	442.3
52.5°	368.0	358.6	382.5	418.4	428.8
55°	344.8	335.4	366.6	402.9	410.5
57.5°	319.9	311.9	350.0	382.5	390.1
60°	295.3	288.4	334.1	361.7	369.0
62.5°	270.1	264.9	314.7	337.9	342.0
65°	243.5	242.1	291.9	311.6	314.3
67.5°	216.8	220.3	268.4	281.2	281.5
70°	189.5	198.8	241.4	246.9	244.5
72.5°	161.8	178.1	211.6	208.9	206.8
75°	132.1	154.2	176.7	169.1	165.3
77.5°	105.1	130.0	139.4	128.6	122.8
80°	78.5	102.7	102.0	88.2	85.1
82.5°	52.9	71.6	61.2	49.8	43.6
85°	28.4	38.0	25.9	18.0	16.9
87.5°	10.7	9.0	6.9	6.2	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)