

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-65-HE-L830**

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 (G3-1811-041-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4RSRK-65-HE-L830  
Description: 4ft RSRK, 650 LUMEN PER FOOT 80CRI 3000K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

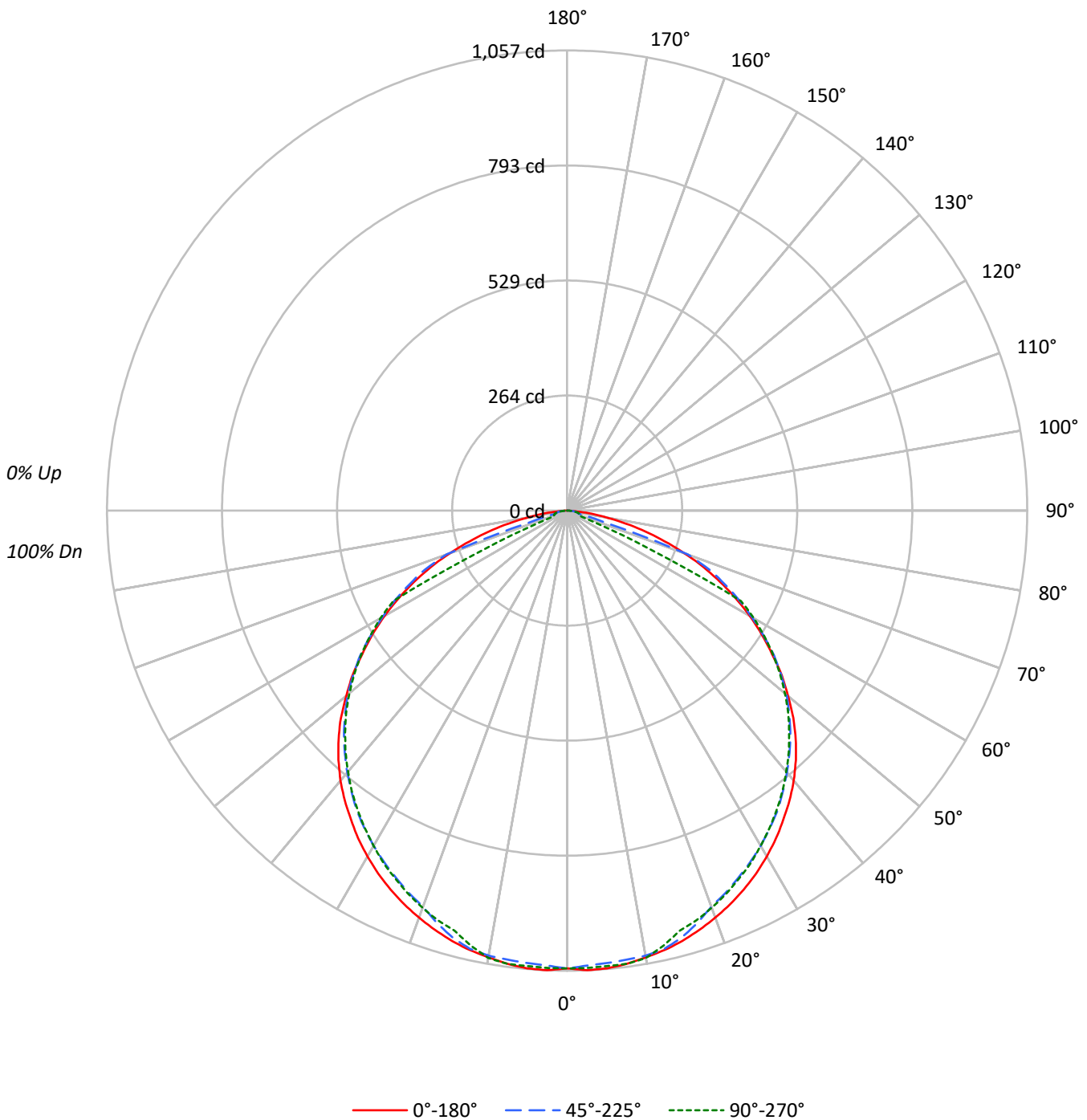
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2894.6 lumens  
Efficiency: N/A  
Efficacy: 153.2 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4  
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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2830	2830	2830
5°	2851	2818	2837
10°	2848	2836	2851
15°	2851	2828	2783
20°	2849	2773	2780
25°	2851	2763	2771
30°	2850	2762	2762
35°	2845	2766	2757
40°	2845	2760	2750
45°	2826	2759	2744
50°	2771	2755	2732
55°	2696	2722	2709
60°	2609	2638	2667
65°	2471	2539	1342
70°	2261	2314	253
75°	1941	280	307
80°	1457	353	353
85°	747	374	330



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.9	3.5
10°-20°	286.2	9.9
20°-30°	435.0	15.0
30°-40°	529.9	18.3
40°-50°	560.7	19.4
50°-60°	514.3	17.8
60°-70°	346.9	12.0
70°-80°	104.8	3.6
80°-90°	16.8	0.6
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°	821.1	28.4
0°-40°	1351.0	46.7
0°-60°	2426.1	83.8
0°-90°	2894.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2894.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1052	1052	1052	1052	1052	
5°	1056	1047	1043	1053	1050	100
15°	1023	1018	1015	1007	999	289
25°	960	959	931	940	933	443
35°	866	847	842	845	839	542
45°	743	725	725	726	721	572
55°	575	567	580	580	577	514
65°	388	383	399	404	211	383
75°	187	188	27	30	30	198
85°	24	12	12	11	11	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1051.5	1051.5	1051.5	1051.5	1051.5
2.5°	1056.8	1048.8	1046.1	1052.8	1051.5
5°	1055.5	1047.4	1043.4	1052.8	1050.1
7.5°	1050.1	1042.1	1040.7	1051.5	1050.1
10°	1042.1	1036.7	1038.0	1047.4	1043.4
12.5°	1034.0	1028.6	1031.3	1028.6	1023.3
15°	1023.3	1017.9	1015.2	1007.1	999.1
17.5°	1009.8	1007.1	993.7	991.0	987.0
20°	995.0	995.0	968.2	976.3	970.9
22.5°	978.9	978.9	950.7	958.8	953.4
25°	960.2	958.8	930.6	940.0	933.3
27.5°	940.0	933.3	910.5	918.5	913.1
30°	917.2	905.1	889.0	894.3	889.0
32.5°	893.0	875.5	866.1	870.2	864.8
35°	866.1	847.4	842.0	844.6	839.3
37.5°	839.3	819.1	813.8	817.8	812.4
40°	809.8	790.9	785.6	788.3	782.9
42.5°	777.5	761.4	756.0	757.4	753.3
45°	742.6	725.1	725.1	726.5	721.1
47.5°	705.0	690.2	691.6	692.9	688.9
50°	662.0	651.3	658.0	659.4	652.6
52.5°	621.8	611.0	619.0	621.8	616.4
55°	574.7	566.7	580.1	580.1	577.4
57.5°	530.4	522.4	535.8	541.2	537.1
60°	484.8	476.7	490.1	499.5	495.5
62.5°	436.4	429.7	445.8	457.9	449.9
65°	388.1	382.7	398.8	404.2	210.8
67.5°	338.4	334.4	353.2	127.6	33.6
70°	287.4	283.4	294.1	32.2	32.2
72.5°	235.0	236.3	94.0	30.9	30.9
75°	186.7	188.0	26.9	29.5	29.5
77.5°	138.3	141.0	25.5	26.9	26.9
80°	94.0	68.5	22.8	22.8	22.8
82.5°	56.4	16.1	17.4	17.4	16.1
85°	24.2	12.1	12.1	10.7	10.7
87.5°	8.1	5.4	5.4	4.0	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)