

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: **8RSRK-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: 8RSRK-65-HE-L830  
Description: 8ft RSRK, 650 LUMEN PER FOOT 80CRI 3000K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

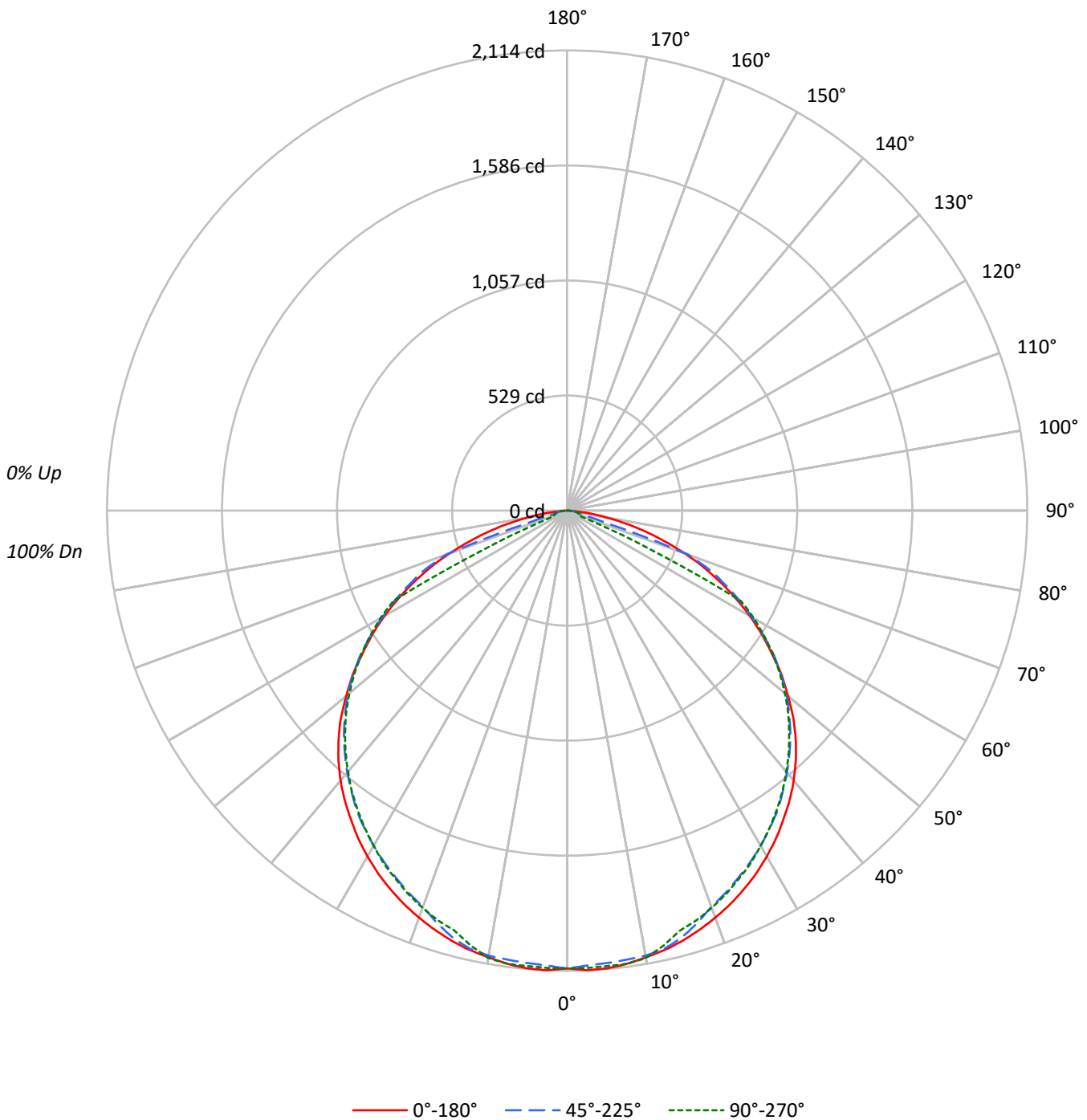
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5789.2 lumens  
Efficiency: N/A  
Efficacy: 306.3 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4  
Luminous Opening: Rectangular (W 1' x L: 8' 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°	2829	2829	2829
5°	2851	2818	2837
10°	2847	2836	2851
15°	2851	2828	2783
20°	2850	2773	2780
25°	2851	2763	2771
30°	2850	2762	2762
35°	2845	2766	2757
40°	2845	2759	2750
45°	2826	2760	2744
50°	2771	2755	2732
55°	2696	2722	2709
60°	2609	2638	2667
65°	2471	2539	1342
70°	2261	2314	254
75°	1941	279	307
80°	1457	353	353
85°	746	372	332



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.8	3.5
10°-20°	572.3	9.9
20°-30°	870.1	15.0
30°-40°	1059.8	18.3
40°-50°	1121.5	19.4
50°-60°	1028.7	17.8
60°-70°	693.8	12.0
70°-80°	209.7	3.6
80°-90°	33.5	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°	1642.2	28.4
0°-40°	2702.0	46.7
0°-60°	4852.2	83.8
0°-90°	5789.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5789.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2103	2103	2103	2103	2103	
5°	2111	2095	2087	2106	2100	201
15°	2046	2036	2030	2014	1998	578
25°	1920	1918	1861	1880	1867	885
35°	1732	1695	1684	1689	1678	1085
45°	1485	1450	1450	1453	1442	1143
55°	1150	1133	1160	1160	1155	1029
65°	776	765	798	808	422	766
75°	373	376	54	59	59	396
85°	48	24	24	22	22	74
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2102.9	2102.9	2102.9	2102.9	2102.9
2.5°	2113.7	2097.5	2092.2	2105.6	2102.9
5°	2111.0	2094.9	2086.8	2105.6	2100.2
7.5°	2100.2	2084.1	2081.5	2102.9	2100.2
10°	2084.1	2073.4	2076.0	2094.9	2086.8
12.5°	2068.0	2057.3	2062.6	2057.3	2046.5
15°	2046.5	2035.8	2030.4	2014.3	1998.2
17.5°	2019.7	2014.3	1987.4	1982.1	1974.0
20°	1990.1	1990.1	1936.4	1952.5	1941.8
22.5°	1957.9	1957.9	1901.5	1917.6	1906.9
25°	1920.3	1917.6	1861.2	1880.0	1866.6
27.5°	1880.0	1866.6	1820.9	1837.0	1826.3
30°	1834.4	1810.2	1777.9	1788.7	1777.9
32.5°	1786.0	1751.1	1732.3	1740.3	1729.6
35°	1732.3	1694.7	1684.0	1689.3	1678.5
37.5°	1678.5	1638.3	1627.5	1635.6	1624.8
40°	1619.5	1581.9	1571.1	1576.5	1565.8
42.5°	1555.1	1522.8	1512.1	1514.7	1506.7
45°	1485.2	1450.3	1450.3	1452.9	1442.2
47.5°	1410.0	1380.5	1383.2	1385.8	1377.7
50°	1324.0	1302.5	1316.0	1318.7	1305.3
52.5°	1243.5	1222.0	1238.1	1243.5	1232.8
55°	1149.5	1133.4	1160.2	1160.2	1154.9
57.5°	1060.9	1044.7	1071.6	1082.4	1074.3
60°	969.5	953.5	980.3	999.1	991.0
62.5°	872.8	859.4	891.7	915.8	899.7
65°	776.1	765.4	797.6	808.4	421.6
67.5°	676.8	668.7	706.4	255.2	67.1
70°	574.7	566.7	588.2	64.5	64.5
72.5°	470.0	472.7	188.0	61.8	61.8
75°	373.3	376.0	53.7	59.1	59.1
77.5°	276.7	282.0	51.1	53.7	53.7
80°	188.0	137.0	45.6	45.6	45.6
82.5°	112.8	32.2	34.9	34.9	32.2
85°	48.3	24.1	24.1	21.5	21.5
87.5°	16.1	10.7	10.7	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)