

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-100-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 (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TB-100-HE-L830  
Description: 6ft RSRK, 1000 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

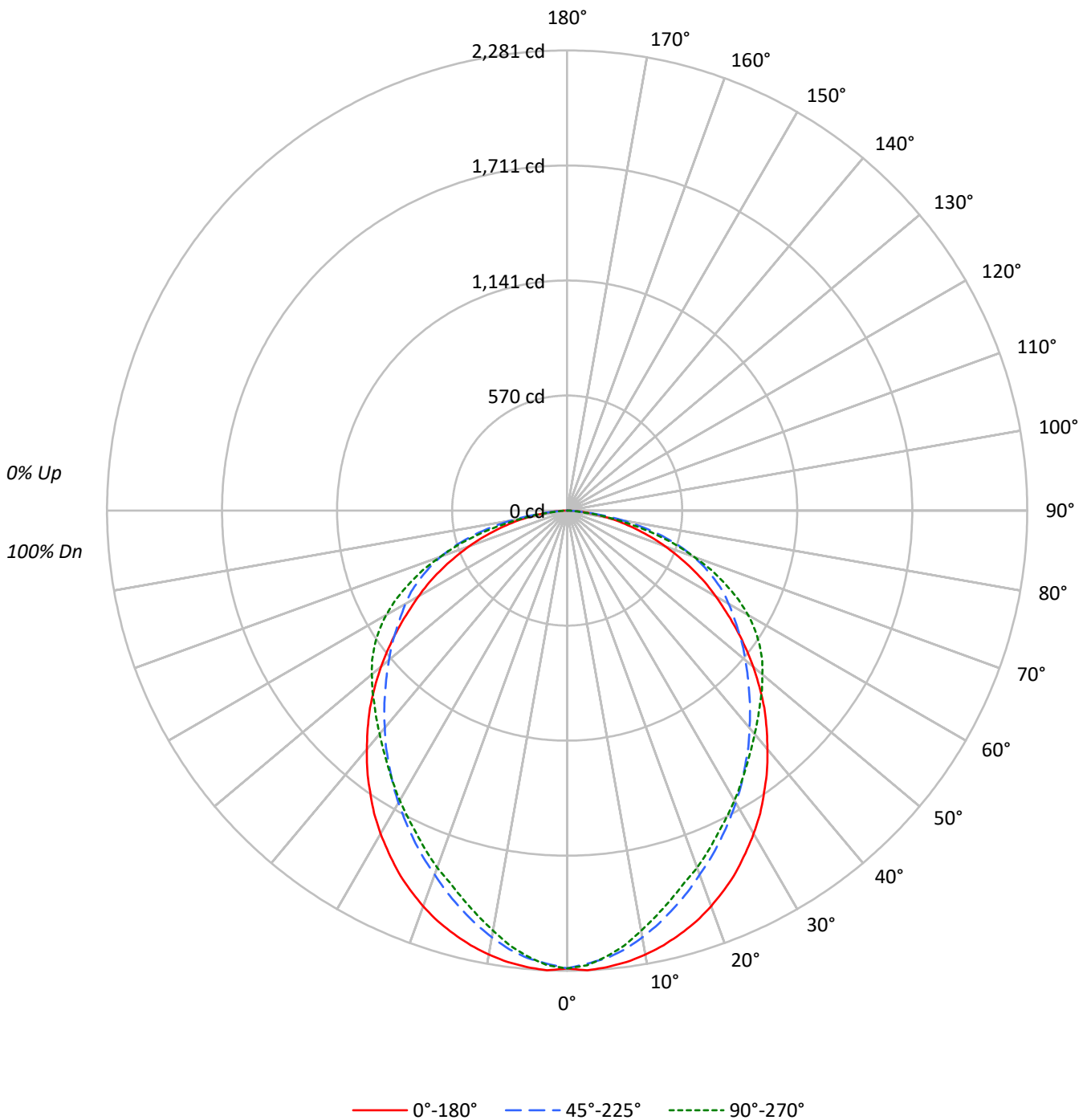
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5936.2 lumens  
Efficiency: N/A  
Efficacy: 206.1 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): 28.8  
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

TEST NUMBER: P#  
CATALOG NUMBER: 6RSRK-TB-100-HE-L830

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TB-100-HE-L830

**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°	4071	4071	4071
5°	4091	4011	3998
10°	4071	3913	3852
15°	4034	3791	3702
20°	3984	3666	3596
25°	3918	3562	3496
30°	3831	3466	3438
35°	3729	3371	3391
40°	3617	3293	3386
45°	3505	3238	3431
50°	3362	3216	3526
55°	3202	3237	3646
60°	3051	3319	3719
65°	2902	3422	3685
70°	2712	3496	3504
75°	2434	3392	3139
80°	2130	2879	2332
85°	1599	1523	984



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TB-100-HE-L830

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.5	3.6
10°-20°	581.9	9.8
20°-30°	846.6	14.3
30°-40°	990.2	16.7
40°-50°	1017.8	17.1
50°-60°	946.9	16.0
60°-70°	770.2	13.0
70°-80°	466.5	7.9
80°-90°	104.5	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°	1640.0	27.6
0°-40°	2630.2	44.3
0°-60°	4594.9	77.4
0°-90°	5936.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5936.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2269	2269	2269	2269	2269	
5°	2272	2258	2227	2232	2220	216
15°	2172	2126	2041	2011	1994	613
25°	1979	1896	1799	1781	1766	910
35°	1703	1612	1539	1549	1548	1065
45°	1382	1293	1276	1332	1352	1064
55°	1024	968	1035	1140	1166	916
65°	684	671	806	870	868	677
75°	351	418	489	468	453	376
85°	78	107	74	54	48	95
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TB-100-HE-L830

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2269.3	2269.3	2269.3	2269.3	2269.3
2.5°	2281.2	2270.7	2248.3	2261.0	2255.8
5°	2271.5	2258.0	2227.4	2231.9	2219.9
7.5°	2257.3	2237.9	2193.8	2184.8	2174.4
10°	2234.9	2206.5	2148.2	2134.0	2114.6
12.5°	2207.2	2170.6	2097.4	2072.0	2054.1
15°	2172.1	2125.8	2041.4	2010.7	1993.5
17.5°	2134.0	2076.5	1983.1	1951.7	1933.8
20°	2086.9	2021.2	1920.3	1894.2	1883.7
22.5°	2034.6	1959.2	1862.0	1838.9	1826.9
25°	1979.3	1895.7	1799.3	1781.3	1766.4
27.5°	1914.3	1829.2	1735.8	1723.1	1712.6
30°	1849.3	1761.9	1673.0	1664.0	1659.5
32.5°	1780.6	1685.7	1607.2	1605.7	1603.5
35°	1702.9	1612.5	1539.2	1549.0	1548.2
37.5°	1627.4	1534.8	1475.0	1492.2	1495.9
40°	1544.5	1454.1	1406.2	1435.4	1445.8
42.5°	1463.0	1376.3	1342.0	1381.6	1398.8
45°	1381.6	1292.7	1276.2	1332.3	1352.4
47.5°	1292.7	1212.7	1214.2	1285.9	1309.8
50°	1204.5	1129.8	1152.2	1235.9	1263.5
52.5°	1113.3	1049.1	1096.1	1187.3	1218.7
55°	1023.7	967.6	1034.9	1140.2	1165.6
57.5°	934.0	889.2	978.8	1079.7	1105.1
60°	850.3	811.5	925.0	1016.9	1036.4
62.5°	770.4	739.0	872.0	948.2	957.9
65°	683.7	671.0	806.2	870.5	868.2
67.5°	598.5	601.5	739.0	780.8	777.1
70°	517.1	541.0	666.5	683.7	668.0
72.5°	433.4	478.2	582.1	580.6	564.9
75°	351.2	417.7	489.4	467.7	452.8
77.5°	280.2	352.7	388.5	358.7	334.7
80°	206.2	282.4	278.7	245.1	225.7
82.5°	135.2	196.5	172.6	139.0	130.0
85°	77.7	106.9	74.0	53.8	47.8
87.5°	32.9	28.4	18.7	17.2	15.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)