

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-100-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 (G3-1811-041-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-100-HE-L930  
Description: 6ft RSRK, 1000 LUMEN PER FOOT 90CRI 3000K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

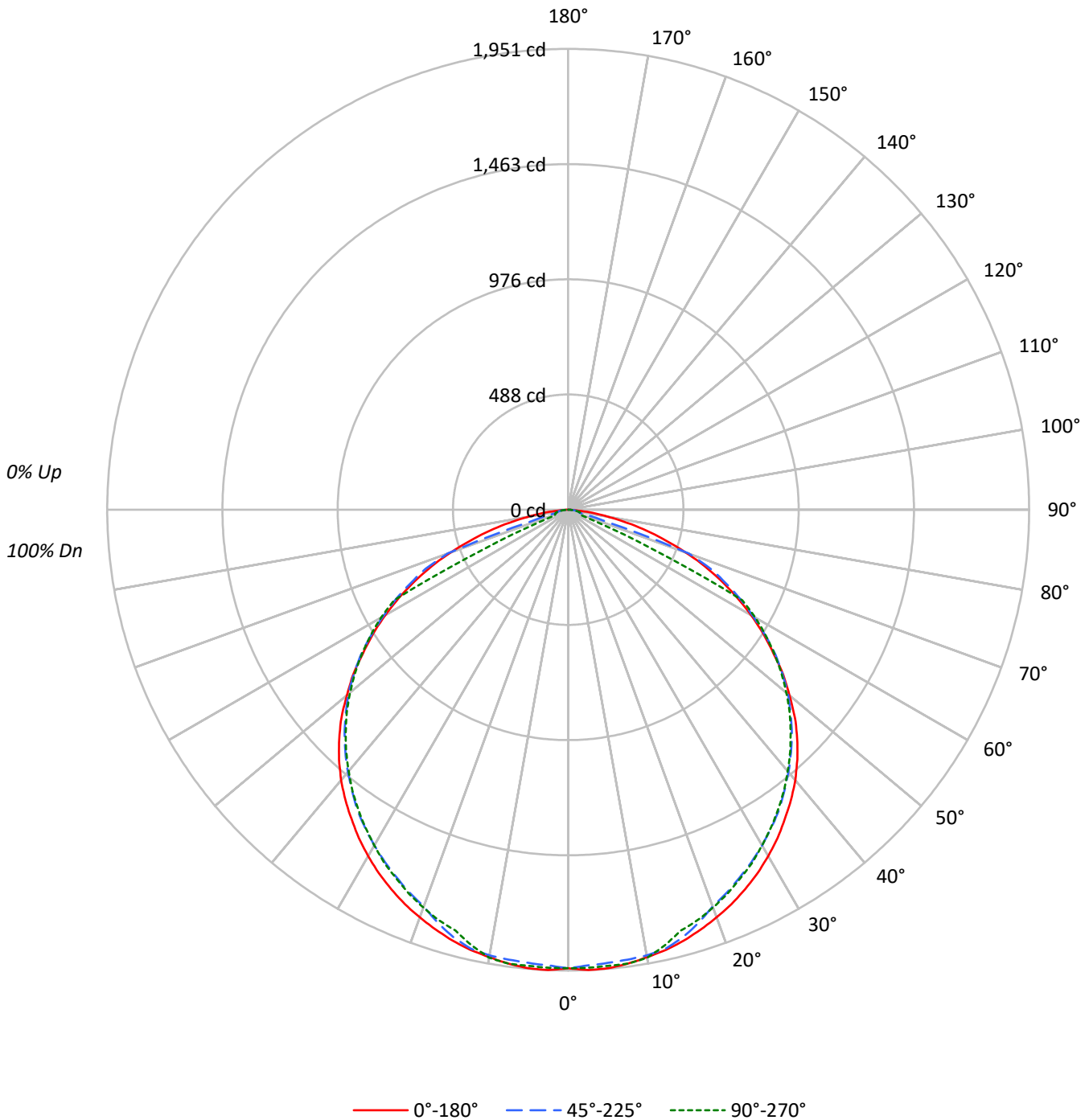
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5343.4 lumens  
Efficiency: N/A  
Efficacy: 185.5 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4  
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-100-HE-L930

### 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°	3482	3482	3482
5°	3509	3469	3491
10°	3504	3490	3509
15°	3508	3481	3425
20°	3507	3412	3422
25°	3508	3400	3410
30°	3507	3399	3399
35°	3501	3404	3393
40°	3501	3396	3384
45°	3478	3396	3377
50°	3411	3390	3362
55°	3319	3349	3334
60°	3211	3246	3282
65°	3041	3125	1652
70°	2783	2848	312
75°	2389	344	378
80°	1792	435	435
85°	918	459	408



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.4	3.5
10°-20°	528.3	9.9
20°-30°	803.0	15.0
30°-40°	978.2	18.3
40°-50°	1035.1	19.4
50°-60°	949.4	17.8
60°-70°	640.4	12.0
70°-80°	193.5	3.6
80°-90°	31.0	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°	1515.7	28.4
0°-40°	2493.9	46.7
0°-60°	4478.5	83.8
0°-90°	5343.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5343.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1941	1941	1941	1941	1941	
5°	1948	1934	1926	1943	1938	185
15°	1889	1879	1874	1859	1844	533
25°	1772	1770	1718	1735	1723	817
35°	1599	1564	1554	1559	1549	1001
45°	1371	1339	1339	1341	1331	1055
55°	1061	1046	1071	1071	1066	950
65°	716	706	736	746	389	707
75°	345	347	50	54	54	365
85°	45	22	22	20	20	68
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1941.0	1941.0	1941.0	1941.0	1941.0
2.5°	1950.9	1936.0	1931.1	1943.4	1941.0
5°	1948.4	1933.5	1926.1	1943.4	1938.5
7.5°	1938.5	1923.6	1921.2	1941.0	1938.5
10°	1923.6	1913.7	1916.1	1933.5	1926.1
12.5°	1908.7	1898.8	1903.8	1898.8	1888.9
15°	1888.9	1879.0	1874.0	1859.2	1844.3
17.5°	1864.1	1859.2	1834.4	1829.4	1822.0
20°	1836.8	1836.8	1787.2	1802.2	1792.3
22.5°	1807.1	1807.1	1755.0	1769.9	1760.0
25°	1772.4	1769.9	1717.8	1735.2	1722.8
27.5°	1735.2	1722.8	1680.7	1695.6	1685.6
30°	1693.1	1670.8	1641.0	1650.9	1641.0
32.5°	1648.4	1616.2	1598.8	1606.3	1596.4
35°	1598.8	1564.2	1554.3	1559.2	1549.3
37.5°	1549.3	1512.1	1502.2	1509.6	1499.7
40°	1494.8	1460.0	1450.1	1455.1	1445.2
42.5°	1435.3	1405.6	1395.6	1398.1	1390.6
45°	1370.8	1338.6	1338.6	1341.0	1331.1
47.5°	1301.4	1274.1	1276.7	1279.1	1271.6
50°	1222.1	1202.2	1214.6	1217.2	1204.7
52.5°	1147.7	1127.9	1142.7	1147.7	1137.8
55°	1061.0	1046.1	1070.9	1070.9	1065.9
57.5°	979.2	964.3	989.1	999.0	991.6
60°	894.8	880.0	904.8	922.1	914.7
62.5°	805.6	793.2	823.0	845.3	830.5
65°	716.4	706.5	736.2	746.1	389.2
67.5°	624.7	617.2	652.0	235.5	61.9
70°	530.5	523.1	542.9	59.5	59.5
72.5°	433.8	436.3	173.5	57.0	57.0
75°	344.6	347.0	49.6	54.5	54.5
77.5°	255.4	260.3	47.1	49.6	49.6
80°	173.5	126.5	42.1	42.1	42.1
82.5°	104.1	29.7	32.2	32.2	29.7
85°	44.6	22.3	22.3	19.8	19.8
87.5°	14.9	9.9	9.9	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)