

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-L935**

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-L935
Description: 6ft RSRK, 1000 LUMEN PER FOOT 90CRI 3500K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

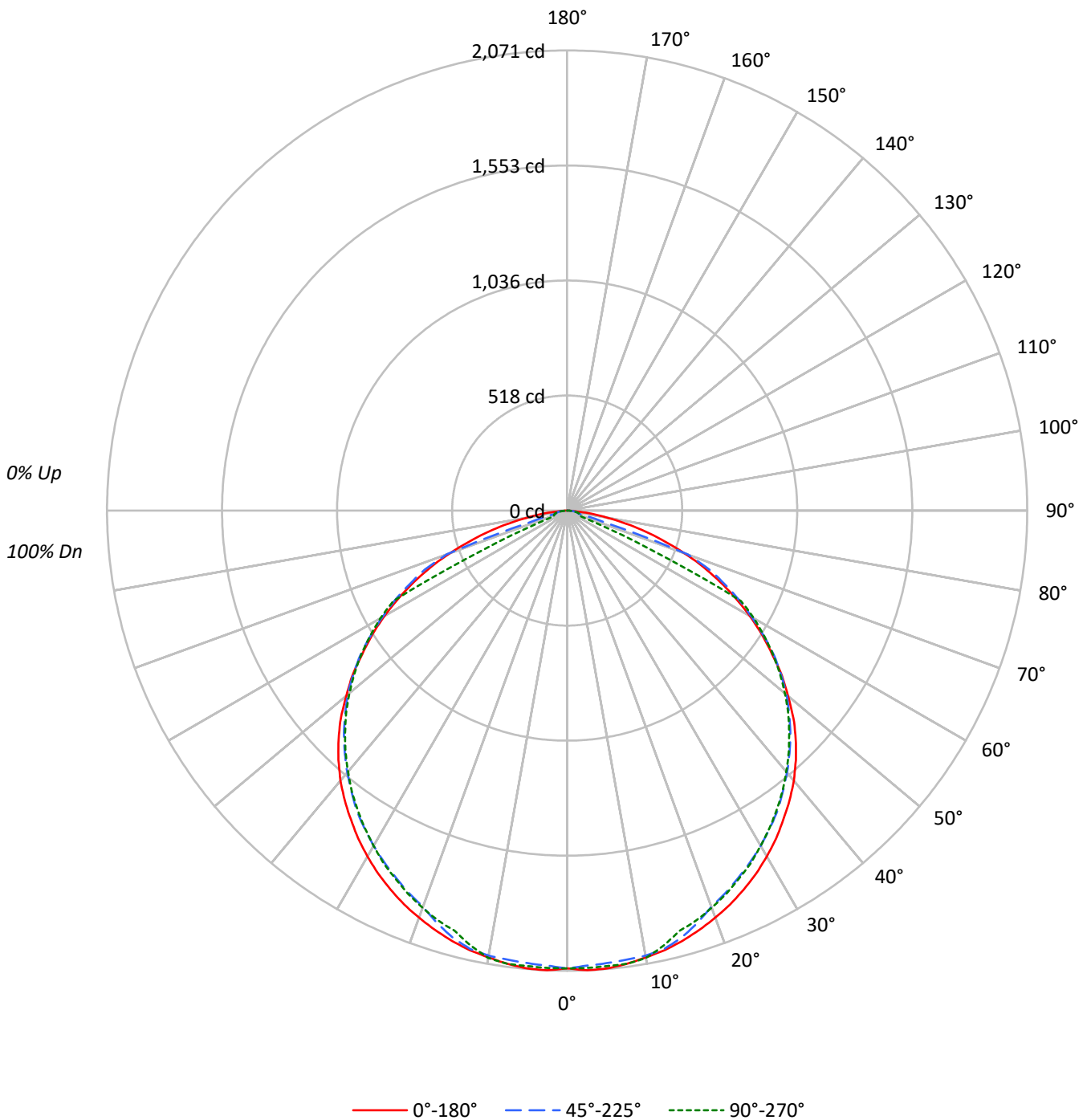
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5671.9 lumens
Efficiency: N/A
Efficacy: 196.9 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

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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°	3696	3696	3696
5°	3724	3682	3706
10°	3720	3705	3724
15°	3724	3694	3636
20°	3722	3622	3632
25°	3724	3609	3620
30°	3723	3608	3608
35°	3717	3613	3602
40°	3716	3605	3593
45°	3692	3605	3585
50°	3620	3598	3569
55°	3522	3555	3539
60°	3408	3446	3484
65°	3228	3317	1754
70°	2954	3023	332
75°	2536	365	401
80°	1903	462	462
85°	976	488	434



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.7	3.5
10°-20°	560.7	9.9
20°-30°	852.4	15.0
30°-40°	1038.3	18.3
40°-50°	1098.7	19.4
50°-60°	1007.8	17.8
60°-70°	679.8	12.0
70°-80°	205.5	3.6
80°-90°	32.9	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°	1608.9	28.4
0°-40°	2647.2	46.7
0°-60°	4753.8	83.8
0°-90°	5671.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5671.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2060	2060	2060	2060	2060	
5°	2068	2052	2044	2063	2058	197
15°	2005	1994	1989	1974	1958	566
25°	1881	1879	1823	1842	1829	868
35°	1697	1660	1650	1655	1644	1063
45°	1455	1421	1421	1424	1413	1120
55°	1126	1110	1137	1137	1131	1008
65°	760	750	782	792	413	751
75°	366	368	53	58	58	388
85°	47	24	24	21	21	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2060.3	2060.3	2060.3	2060.3	2060.3
2.5°	2070.8	2055.0	2049.8	2062.9	2060.3
5°	2068.2	2052.4	2044.5	2062.9	2057.7
7.5°	2057.7	2041.9	2039.3	2060.3	2057.7
10°	2041.9	2031.3	2033.9	2052.4	2044.5
12.5°	2026.1	2015.6	2020.8	2015.6	2005.0
15°	2005.0	1994.5	1989.2	1973.5	1957.7
17.5°	1978.7	1973.5	1947.1	1941.9	1934.0
20°	1949.7	1949.7	1897.1	1913.0	1902.4
22.5°	1918.2	1918.2	1862.9	1878.7	1868.2
25°	1881.4	1878.7	1823.4	1841.9	1828.8
27.5°	1841.9	1828.8	1784.0	1799.8	1789.3
30°	1797.2	1773.5	1741.9	1752.4	1741.9
32.5°	1749.8	1715.6	1697.1	1705.1	1694.5
35°	1697.1	1660.4	1649.8	1655.0	1644.5
37.5°	1644.5	1605.1	1594.6	1602.4	1591.9
40°	1586.7	1549.8	1539.3	1544.6	1534.1
42.5°	1523.5	1492.0	1481.4	1484.0	1476.1
45°	1455.1	1420.9	1420.9	1423.5	1413.0
47.5°	1381.4	1352.5	1355.1	1357.7	1349.8
50°	1297.2	1276.1	1289.3	1292.0	1278.8
52.5°	1218.3	1197.3	1213.0	1218.3	1207.8
55°	1126.2	1110.4	1136.7	1136.7	1131.4
57.5°	1039.4	1023.5	1049.9	1060.4	1052.5
60°	949.9	934.1	960.4	978.8	970.9
62.5°	855.1	842.0	873.6	897.2	881.5
65°	760.4	749.9	781.5	792.0	413.1
67.5°	663.1	655.2	692.1	250.0	65.8
70°	563.1	555.2	576.3	63.2	63.2
72.5°	460.5	463.1	184.2	60.6	60.6
75°	365.8	368.4	52.6	57.9	57.9
77.5°	271.1	276.3	50.0	52.6	52.6
80°	184.2	134.2	44.7	44.7	44.7
82.5°	110.5	31.6	34.2	34.2	31.6
85°	47.4	23.7	23.7	21.1	21.1
87.5°	15.8	10.5	10.5	7.9	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)