

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-50-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-50-HE-L930
Description: 6ft RSRK, 500 LUMEN PER FOOT 90CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

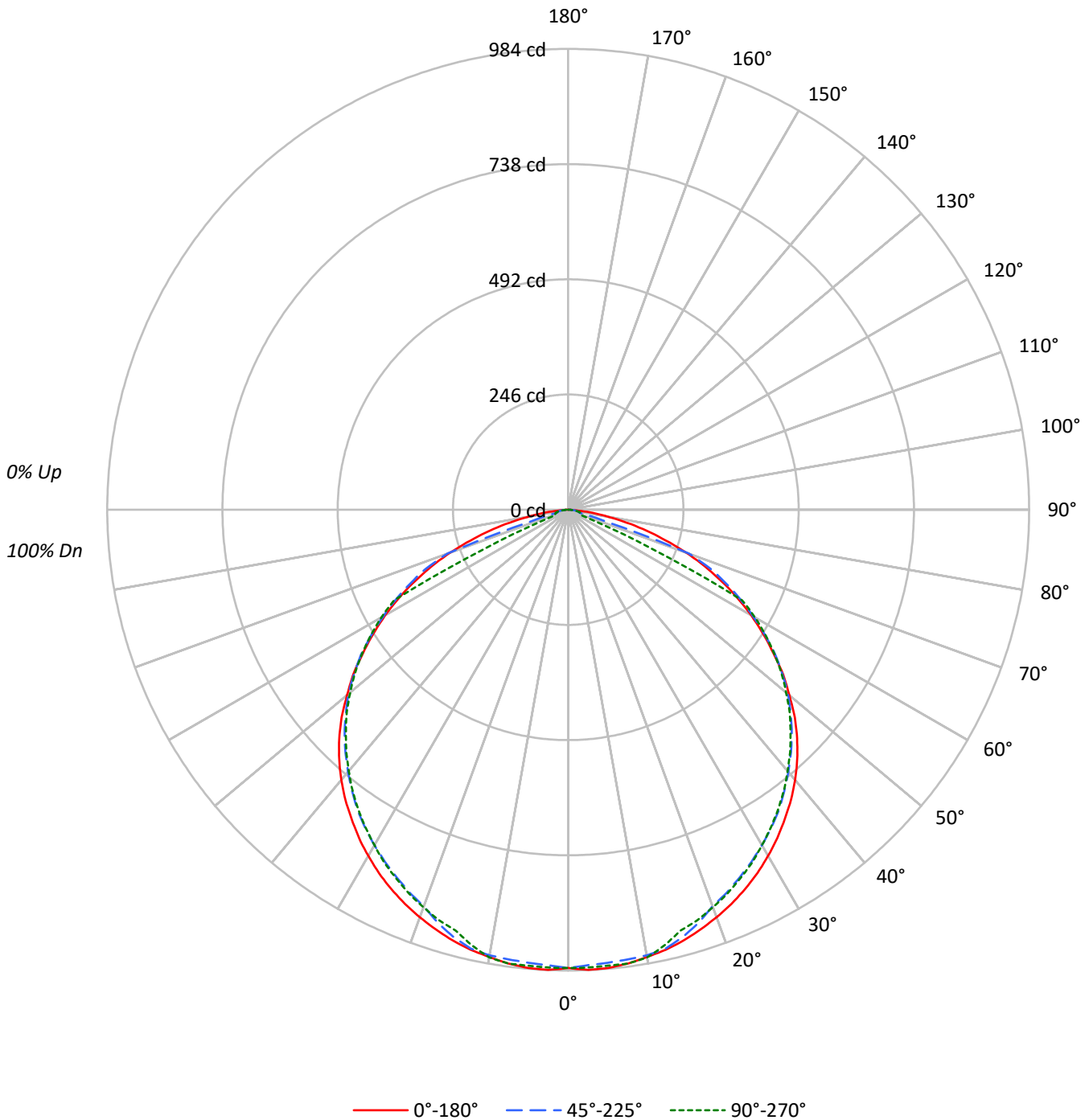
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2693.9 lumens
Efficiency: N/A
Efficacy: 188.4 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): 14.3
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-50-HE-L930

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-50-HE-L930

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°	1756	1756	1756
5°	1769	1749	1760
10°	1767	1760	1769
15°	1769	1755	1727
20°	1768	1720	1725
25°	1769	1714	1719
30°	1768	1714	1714
35°	1765	1716	1711
40°	1765	1712	1706
45°	1753	1712	1703
50°	1720	1709	1695
55°	1673	1689	1681
60°	1619	1636	1654
65°	1533	1576	833
70°	1403	1436	157
75°	1204	173	191
80°	904	219	219
85°	463	231	206



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-50-HE-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	3.5
10°-20°	266.3	9.9
20°-30°	404.9	15.0
30°-40°	493.2	18.3
40°-50°	521.9	19.4
50°-60°	478.7	17.8
60°-70°	322.9	12.0
70°-80°	97.6	3.6
80°-90°	15.6	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°	764.1	28.4
0°-40°	1257.3	46.7
0°-60°	2257.8	83.8
0°-90°	2693.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2693.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	979	979	979	979	979	
5°	982	975	971	980	977	93
15°	952	947	945	937	930	269
25°	894	892	866	875	869	412
35°	806	789	784	786	781	505
45°	691	675	675	676	671	532
55°	535	527	540	540	537	479
65°	361	356	371	376	196	357
75°	174	175	25	28	28	184
85°	22	11	11	10	10	34
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-50-HE-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	978.6	978.6	978.6	978.6	978.6
2.5°	983.6	976.0	973.6	979.8	978.6
5°	982.3	974.8	971.0	979.8	977.3
7.5°	977.3	969.8	968.6	978.6	977.3
10°	969.8	964.8	966.0	974.8	971.0
12.5°	962.3	957.3	959.8	957.3	952.3
15°	952.3	947.3	944.8	937.3	929.8
17.5°	939.8	937.3	924.8	922.3	918.6
20°	926.0	926.0	901.0	908.6	903.6
22.5°	911.0	911.0	884.8	892.3	887.3
25°	893.6	892.3	866.0	874.8	868.6
27.5°	874.8	868.6	847.3	854.8	849.8
30°	853.6	842.3	827.3	832.3	827.3
32.5°	831.1	814.8	806.1	809.8	804.8
35°	806.1	788.6	783.6	786.1	781.1
37.5°	781.1	762.3	757.3	761.1	756.1
40°	753.6	736.1	731.1	733.6	728.6
42.5°	723.6	708.6	703.6	704.8	701.1
45°	691.1	674.9	674.9	676.1	671.1
47.5°	656.1	642.4	643.6	644.9	641.1
50°	616.1	606.1	612.4	613.6	607.4
52.5°	578.6	568.6	576.1	578.6	573.6
55°	534.9	527.4	539.9	539.9	537.4
57.5°	493.7	486.1	498.7	503.7	499.9
60°	451.1	443.7	456.1	464.9	461.1
62.5°	406.1	399.9	414.9	426.1	418.7
65°	361.2	356.2	371.2	376.2	196.2
67.5°	314.9	311.2	328.7	118.7	31.2
70°	267.4	263.7	273.7	30.0	30.0
72.5°	218.7	220.0	87.5	28.8	28.8
75°	173.7	175.0	25.0	27.5	27.5
77.5°	128.7	131.2	23.8	25.0	25.0
80°	87.5	63.8	21.2	21.2	21.2
82.5°	52.5	15.0	16.2	16.2	15.0
85°	22.5	11.2	11.2	10.0	10.0
87.5°	7.5	5.0	5.0	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)