

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-TS-65-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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-TS-65-HE-L930
Description: 6ft RSRK, 650 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

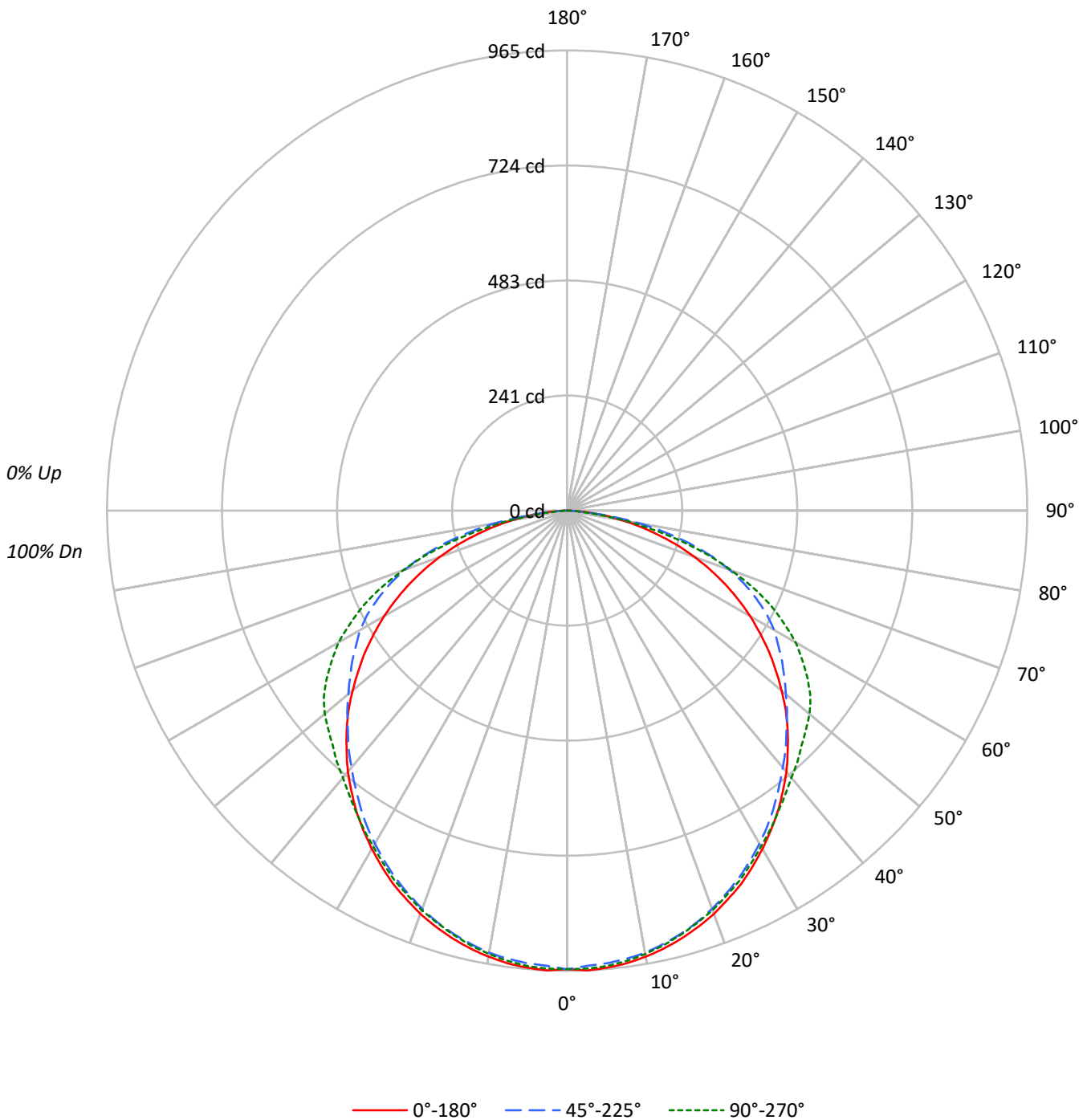
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2960.9 lumens
Efficiency: N/A
Efficacy: 156.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
Luminous Opening: Rectangular (W 1' x L: 6' 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

TEST NUMBER: P#
CATALOG NUMBER: 6RSRK-TS-65-HE-L930

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-65-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	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1725	1725	1725
5°	1733	1716	1726
10°	1730	1715	1720
15°	1724	1707	1710
20°	1718	1696	1702
25°	1710	1684	1694
30°	1697	1671	1685
35°	1687	1657	1689
40°	1675	1647	1713
45°	1660	1650	1765
50°	1639	1672	1852
55°	1618	1720	1926
60°	1589	1798	1986
65°	1550	1858	2001
70°	1491	1899	1923
75°	1374	1838	1719
80°	1217	1581	1318
85°	875	801	523



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-65-HE-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	3.1
10°-20°	260.6	8.8
20°-30°	394.7	13.3
30°-40°	478.7	16.2
40°-50°	512.1	17.3
50°-60°	496.3	16.8
60°-70°	415.6	14.0
70°-80°	255.4	8.6
80°-90°	56.4	1.9
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
<hr/>		
0°-30°	746.4	25.2
0°-40°	1225.0	41.4
0°-60°	2233.4	75.4
0°-90°	2960.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2960.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	962	962	962	962	962	
5°	962	960	953	959	959	91
15°	928	926	919	923	921	262
25°	864	858	851	856	856	398
35°	770	760	757	770	771	482
45°	654	640	650	684	696	504
55°	517	503	550	604	616	462
65°	365	363	438	467	472	361
75°	198	231	265	254	248	211
85°	42	57	39	27	25	54
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-65-HE-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	961.7	961.7	961.7	961.7	961.7
2.5°	965.4	962.8	955.5	961.7	961.2
5°	962.2	960.2	952.9	959.1	958.6
7.5°	957.6	955.5	948.2	954.5	952.9
10°	949.8	948.2	941.5	946.2	944.1
12.5°	940.5	938.9	931.1	936.3	933.7
15°	928.5	926.5	919.2	923.3	920.7
17.5°	915.0	912.4	905.2	909.3	906.7
20°	900.0	896.4	888.6	894.3	891.7
22.5°	881.8	879.2	869.9	876.1	873.5
25°	863.7	858.5	850.7	856.4	855.9
27.5°	841.9	836.7	828.9	835.7	834.6
30°	819.1	813.4	806.6	813.4	813.4
32.5°	795.2	787.9	782.8	790.5	793.1
35°	770.3	760.5	756.8	769.8	771.4
37.5°	742.8	733.0	729.9	747.0	751.1
40°	715.3	702.9	703.4	725.2	731.4
42.5°	684.7	672.3	678.0	703.4	714.8
45°	654.1	640.1	650.5	683.7	695.6
47.5°	622.0	608.5	625.6	664.5	679.5
50°	587.2	573.7	599.1	646.3	663.5
52.5°	551.9	537.9	573.7	627.7	643.2
55°	517.2	503.2	549.9	604.3	615.7
57.5°	479.8	467.9	525.0	573.7	585.1
60°	443.0	432.6	501.1	542.6	553.5
62.5°	405.1	397.3	472.0	506.8	513.0
65°	365.2	363.1	437.8	467.4	471.5
67.5°	325.2	330.4	402.5	421.7	422.2
70°	284.3	298.3	362.1	370.4	366.7
72.5°	242.8	267.1	317.5	313.3	310.2
75°	198.2	231.4	265.1	253.7	248.0
77.5°	157.7	195.0	209.0	193.0	184.1
80°	117.8	154.1	153.0	132.3	127.6
82.5°	79.4	107.4	91.8	74.7	65.4
85°	42.5	57.1	38.9	27.0	25.4
87.5°	16.1	13.5	10.4	9.3	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)