

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: **8RSRK-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: 8RSRK-50-HE-L930
Description: 8ft RSRK, 500 LUMEN PER FOOT 90CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

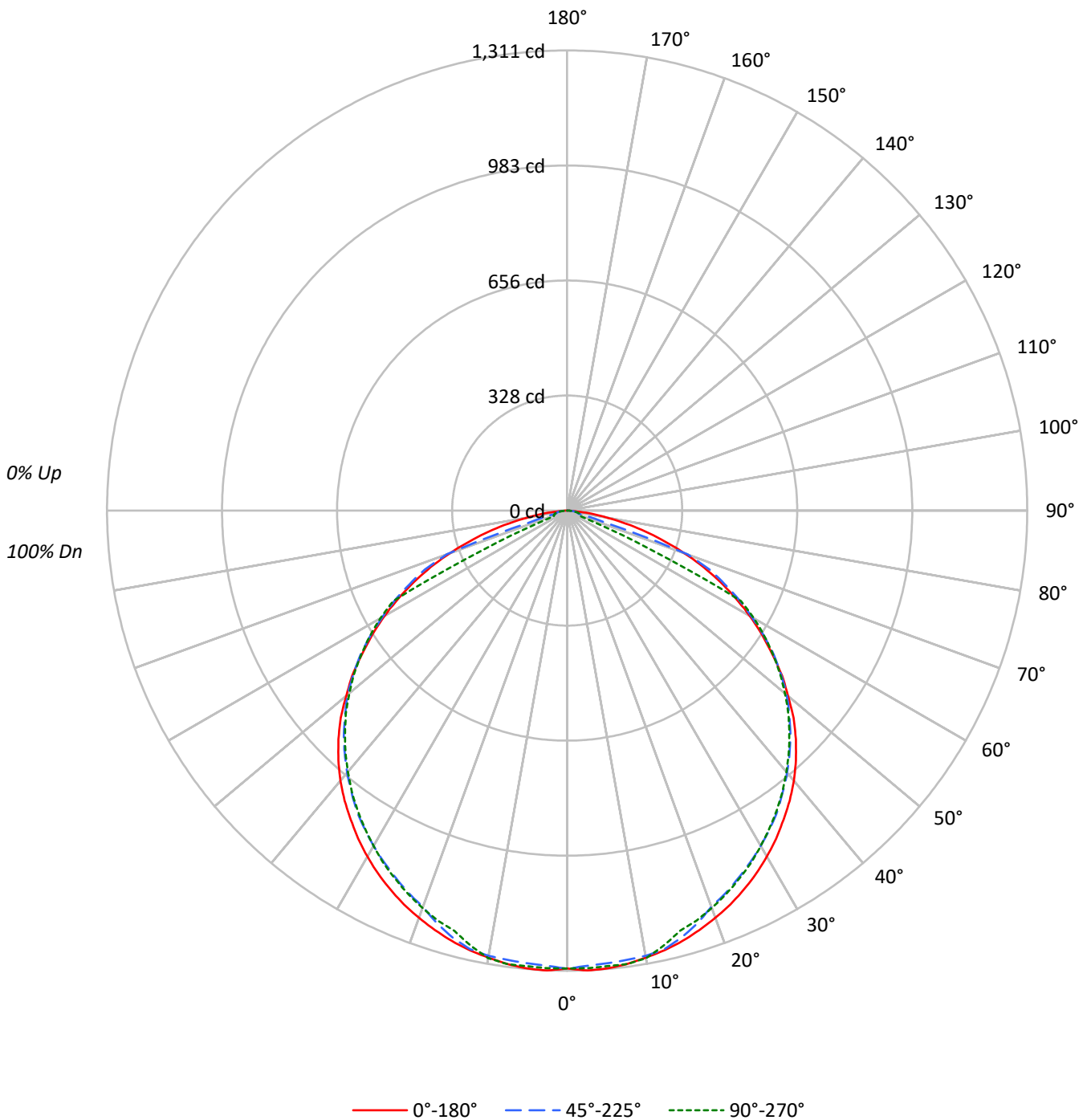
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3591.8 lumens
Efficiency: N/A
Efficacy: 251.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 8' 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: 8RSRK-50-HE-L930

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-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°	1755	1755	1755
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	1688	1681
60°	1619	1637	1654
65°	1533	1576	833
70°	1403	1435	157
75°	1204	173	191
80°	903	219	219
85°	463	232	205



TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-50-HE-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.0	3.5
10°-20°	355.1	9.9
20°-30°	539.8	15.0
30°-40°	657.6	18.3
40°-50°	695.8	19.4
50°-60°	638.2	17.8
60°-70°	430.5	12.0
70°-80°	130.1	3.6
80°-90°	20.8	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°	1018.9	28.4
0°-40°	1676.4	46.7
0°-60°	3010.4	83.8
0°-90°	3591.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3591.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1305	1305	1305	1305	1305	
5°	1310	1300	1295	1306	1303	124
15°	1270	1263	1260	1250	1240	358
25°	1191	1190	1155	1166	1158	549
35°	1075	1052	1045	1048	1041	673
45°	921	900	900	902	895	709
55°	713	703	720	720	716	638
65°	482	475	495	502	262	475
75°	232	233	33	37	37	245
85°	30	15	15	13	13	46
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-50-HE-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1304.7	1304.7	1304.7	1304.7	1304.7
2.5°	1311.4	1301.4	1298.1	1306.4	1304.7
5°	1309.7	1299.7	1294.7	1306.4	1303.1
7.5°	1303.1	1293.1	1291.4	1304.7	1303.1
10°	1293.1	1286.4	1288.0	1299.7	1294.7
12.5°	1283.1	1276.4	1279.7	1276.4	1269.7
15°	1269.7	1263.1	1259.7	1249.7	1239.7
17.5°	1253.1	1249.7	1233.1	1229.7	1224.8
20°	1234.7	1234.7	1201.4	1211.4	1204.8
22.5°	1214.7	1214.7	1179.7	1189.7	1183.1
25°	1191.4	1189.7	1154.7	1166.4	1158.1
27.5°	1166.4	1158.1	1129.8	1139.8	1133.1
30°	1138.1	1123.1	1103.1	1109.8	1103.1
32.5°	1108.1	1086.4	1074.7	1079.8	1073.1
35°	1074.7	1051.5	1044.8	1048.1	1041.4
37.5°	1041.4	1016.4	1009.8	1014.8	1008.1
40°	1004.8	981.4	974.8	978.1	971.5
42.5°	964.8	944.8	938.2	939.8	934.8
45°	921.4	899.8	899.8	901.5	894.8
47.5°	874.8	856.5	858.2	859.8	854.8
50°	821.5	808.1	816.5	818.2	809.8
52.5°	771.5	758.2	768.1	771.5	764.9
55°	713.2	703.2	719.8	719.8	716.5
57.5°	658.2	648.2	664.9	671.5	666.5
60°	601.5	591.6	608.2	619.9	614.8
62.5°	541.5	533.2	553.2	568.2	558.2
65°	481.5	474.9	494.9	501.5	261.6
67.5°	419.9	414.9	438.3	158.3	41.6
70°	356.6	351.6	364.9	40.0	40.0
72.5°	291.6	293.3	116.6	38.3	38.3
75°	231.6	233.3	33.3	36.7	36.7
77.5°	171.6	174.9	31.7	33.3	33.3
80°	116.6	85.0	28.3	28.3	28.3
82.5°	70.0	20.0	21.6	21.6	20.0
85°	30.0	15.0	15.0	13.3	13.3
87.5°	10.0	6.7	6.7	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)