

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: **4RSRK-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: 4RSRK-100-HE-L930
Description: 4ft RSRK, 1000 LUMEN PER FOOT 90CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

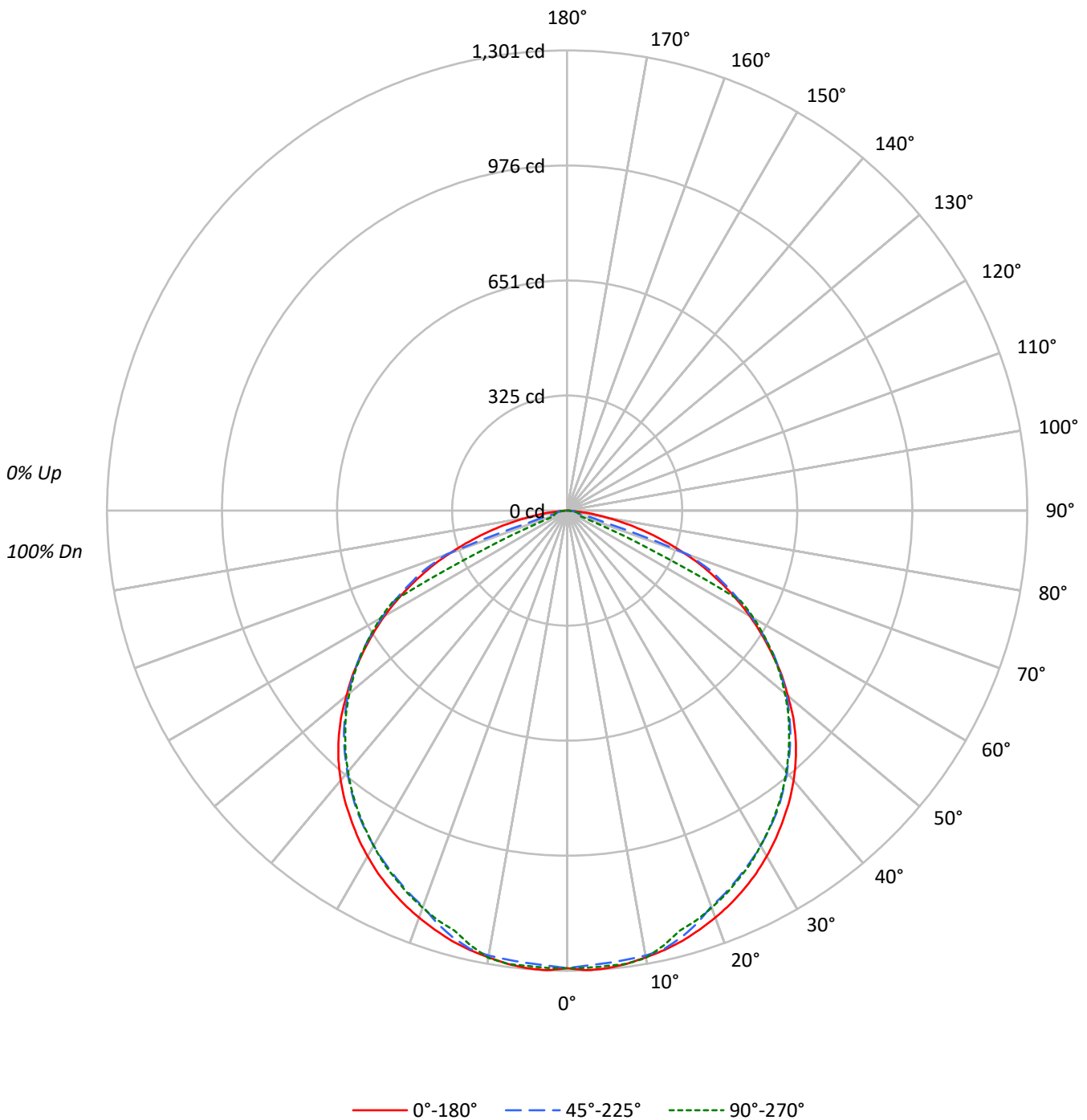
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3562.3 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' 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: 4RSRK-100-HE-L930

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-100-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°	3482	3482	3482
5°	3509	3468	3491
10°	3504	3490	3509
15°	3508	3481	3425
20°	3507	3412	3422
25°	3508	3400	3410
30°	3507	3399	3399
35°	3502	3404	3393
40°	3501	3396	3385
45°	3478	3396	3377
50°	3411	3390	3363
55°	3318	3349	3334
60°	3211	3246	3282
65°	3041	3125	1652
70°	2783	2847	312
75°	2388	344	378
80°	1793	435	435
85°	917	460	408



TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-100-HE-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.9	3.5
10°-20°	352.2	9.9
20°-30°	535.4	15.0
30°-40°	652.1	18.3
40°-50°	690.1	19.4
50°-60°	633.0	17.8
60°-70°	426.9	12.0
70°-80°	129.1	3.6
80°-90°	20.6	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°	1010.5	28.4
0°-40°	1662.6	46.7
0°-60°	2985.6	83.8
0°-90°	3562.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3562.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1294	1294	1294	1294	1294	
5°	1299	1289	1284	1296	1292	123
15°	1259	1253	1249	1239	1230	355
25°	1182	1180	1145	1157	1149	545
35°	1066	1043	1036	1040	1033	667
45°	914	892	892	894	887	704
55°	707	697	714	714	711	633
65°	478	471	491	497	259	472
75°	230	231	33	36	36	243
85°	30	15	15	13	13	45
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-100-HE-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1294.0	1294.0	1294.0	1294.0	1294.0
2.5°	1300.6	1290.6	1287.4	1295.6	1294.0
5°	1298.9	1289.0	1284.0	1295.6	1292.3
7.5°	1292.3	1282.4	1280.8	1294.0	1292.3
10°	1282.4	1275.8	1277.4	1289.0	1284.0
12.5°	1272.5	1265.9	1269.2	1265.9	1259.3
15°	1259.3	1252.7	1249.4	1239.4	1229.5
17.5°	1242.7	1239.4	1222.9	1219.6	1214.7
20°	1224.5	1224.5	1191.5	1201.4	1194.8
22.5°	1204.7	1204.7	1170.0	1179.9	1173.3
25°	1181.6	1179.9	1145.2	1156.8	1148.6
27.5°	1156.8	1148.6	1120.5	1130.4	1123.8
30°	1128.7	1113.8	1094.0	1100.6	1094.0
32.5°	1098.9	1077.5	1065.9	1070.9	1064.3
35°	1065.9	1042.8	1036.2	1039.5	1032.8
37.5°	1032.8	1008.1	1001.5	1006.4	999.8
40°	996.5	973.4	966.7	970.1	963.5
42.5°	956.9	937.0	930.4	932.1	927.1
45°	913.9	892.4	892.4	894.0	887.4
47.5°	867.6	849.4	851.1	852.7	847.8
50°	814.7	801.5	809.8	811.4	803.2
52.5°	765.2	751.9	761.8	765.2	758.6
55°	707.3	697.4	713.9	713.9	710.6
57.5°	652.8	642.8	659.4	666.0	661.0
60°	596.6	586.7	603.2	614.8	609.8
62.5°	537.1	528.8	548.7	563.5	553.6
65°	477.6	471.0	490.8	497.4	259.4
67.5°	416.5	411.5	434.6	157.0	41.3
70°	353.7	348.7	361.9	39.7	39.7
72.5°	289.2	290.9	115.7	38.0	38.0
75°	229.7	231.4	33.1	36.4	36.4
77.5°	170.2	173.5	31.4	33.1	33.1
80°	115.7	84.3	28.1	28.1	28.1
82.5°	69.4	19.8	21.5	21.5	19.8
85°	29.7	14.9	14.9	13.2	13.2
87.5°	9.9	6.6	6.6	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)