

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-TS-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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-TS-50-HE-L930
Description: 8ft RSRK, 500 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

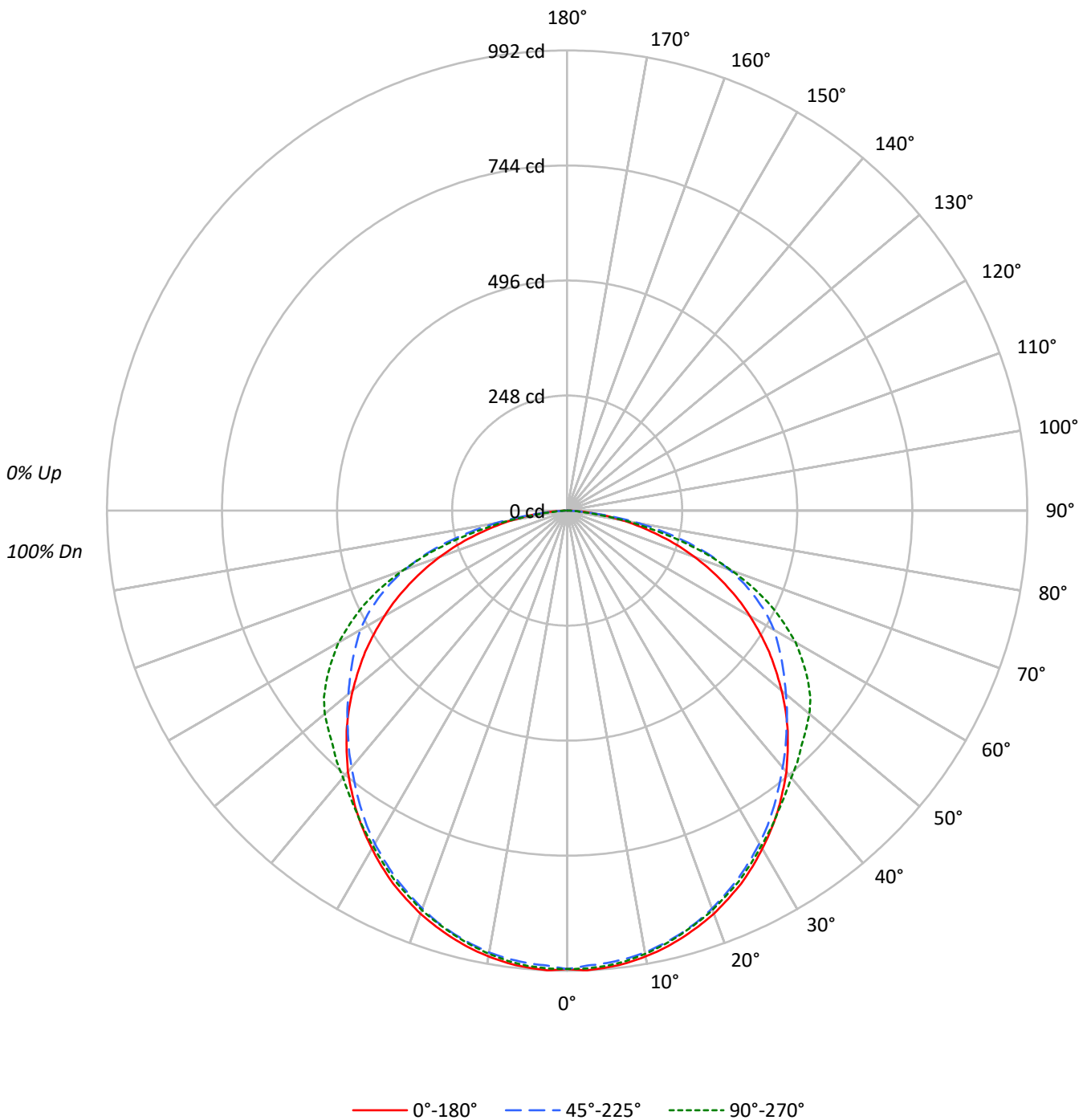
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3042.7 lumens
Efficiency: N/A
Efficacy: 212.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
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-TS-50-HE-L930

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-TS-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	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°	1330	1330	1330
5°	1336	1323	1331
10°	1333	1322	1326
15°	1329	1316	1318
20°	1324	1307	1312
25°	1318	1298	1306
30°	1308	1288	1299
35°	1300	1277	1302
40°	1291	1270	1320
45°	1279	1272	1360
50°	1263	1289	1427
55°	1247	1325	1484
60°	1225	1386	1531
65°	1195	1432	1543
70°	1149	1464	1483
75°	1058	1416	1325
80°	938	1219	1016
85°	675	618	403



TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-TS-50-HE-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	3.1
10°-20°	267.8	8.8
20°-30°	405.6	13.3
30°-40°	491.9	16.2
40°-50°	526.2	17.3
50°-60°	510.0	16.8
60°-70°	427.2	14.0
70°-80°	262.5	8.6
80°-90°	58.0	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
0°-30°	767.0	25.2
0°-40°	1258.9	41.4
0°-60°	2295.1	75.4
0°-90°	3042.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3042.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	988	988	988	988	988	
5°	989	987	979	986	985	94
15°	954	952	945	949	946	269
25°	888	882	874	880	880	409
35°	792	782	778	791	793	495
45°	672	658	668	703	715	518
55°	532	517	565	621	633	474
65°	375	373	450	480	485	371
75°	204	238	272	261	255	217
85°	44	59	40	28	26	55
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-TS-50-HE-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	988.3	988.3	988.3	988.3	988.3
2.5°	992.0	989.4	981.9	988.3	987.8
5°	988.8	986.7	979.2	985.6	985.1
7.5°	984.0	981.9	974.4	980.8	979.2
10°	976.0	974.4	967.5	972.3	970.2
12.5°	966.4	964.8	956.8	962.2	959.5
15°	954.2	952.1	944.6	948.9	946.2
17.5°	940.3	937.7	930.2	934.5	931.8
20°	924.9	921.1	913.1	919.0	916.3
22.5°	906.2	903.5	893.9	900.3	897.7
25°	887.5	882.2	874.2	880.1	879.6
27.5°	865.2	859.8	851.8	858.8	857.7
30°	841.7	835.8	828.9	835.8	835.8
32.5°	817.2	809.7	804.4	812.4	815.1
35°	791.6	781.5	777.7	791.1	792.7
37.5°	763.3	753.2	750.0	767.6	771.9
40°	735.1	722.3	722.8	745.2	751.6
42.5°	703.6	690.8	696.7	722.8	734.6
45°	672.2	657.8	668.5	702.6	714.8
47.5°	639.1	625.3	642.9	682.9	698.3
50°	603.4	589.6	615.7	664.2	681.8
52.5°	567.2	552.8	589.6	645.0	661.0
55°	531.5	517.1	565.0	621.0	632.7
57.5°	493.1	480.8	539.5	589.6	601.3
60°	455.2	444.6	514.9	557.6	568.8
62.5°	416.3	408.3	485.1	520.8	527.2
65°	375.3	373.1	449.9	480.3	484.6
67.5°	334.2	339.6	413.7	433.4	433.9
70°	292.1	306.5	372.1	380.6	376.9
72.5°	249.5	274.5	326.2	322.0	318.8
75°	203.6	237.7	272.4	260.7	254.8
77.5°	162.1	200.4	214.8	198.3	189.2
80°	121.0	158.3	157.3	135.9	131.1
82.5°	81.6	110.3	94.4	76.8	67.2
85°	43.7	58.6	40.0	27.7	26.1
87.5°	16.5	13.9	10.7	9.6	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)