

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-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: 8RSRK-100-HE-L930
Description: 8ft RSRK, 1000 LUMEN PER FOOT 90CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

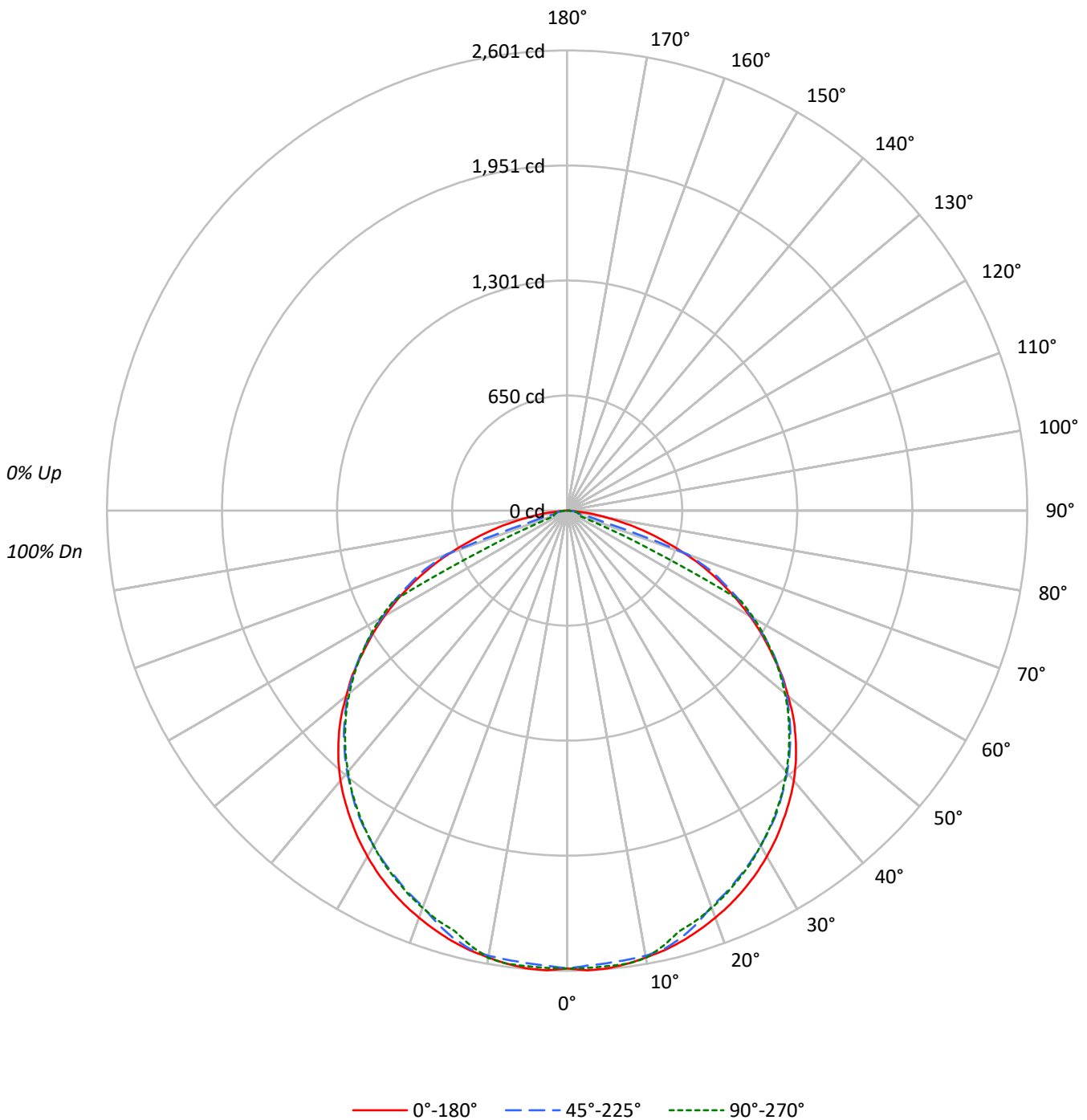
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7124.5 lumens
Efficiency: N/A
Efficacy: 247.4 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): 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

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Luminous Intensity Polar Plot





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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	3469	3491
10°	3504	3491	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	3362
55°	3318	3349	3334
60°	3211	3246	3282
65°	3041	3125	1652
70°	2782	2848	312
75°	2389	344	378
80°	1793	435	435
85°	919	459	408



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.9	3.5
10°-20°	704.3	9.9
20°-30°	1070.7	15.0
30°-40°	1304.3	18.3
40°-50°	1380.1	19.4
50°-60°	1265.9	17.8
60°-70°	853.9	12.0
70°-80°	258.1	3.6
80°-90°	41.3	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°	2020.9	28.4
0°-40°	3325.2	46.7
0°-60°	5971.3	83.8
0°-90°	7124.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7124.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2588	2588	2588	2588	2588	
5°	2598	2578	2568	2591	2585	247
15°	2518	2505	2499	2479	2459	711
25°	2363	2360	2290	2314	2297	1090
35°	2132	2086	2072	2079	2066	1335
45°	1828	1785	1785	1788	1775	1407
55°	1415	1395	1428	1428	1421	1266
65°	955	942	982	995	519	943
75°	460	463	66	73	73	487
85°	60	30	30	26	26	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2588.0	2588.0	2588.0	2588.0	2588.0
2.5°	2601.2	2581.3	2574.8	2591.3	2588.0
5°	2597.9	2578.0	2568.1	2591.3	2584.6
7.5°	2584.6	2564.8	2561.5	2588.0	2584.6
10°	2564.8	2551.6	2554.9	2578.0	2568.1
12.5°	2545.0	2531.8	2538.4	2531.8	2518.5
15°	2518.5	2505.3	2498.7	2478.9	2459.0
17.5°	2485.5	2478.9	2445.8	2439.2	2429.3
20°	2449.1	2449.1	2383.0	2402.9	2389.7
22.5°	2409.4	2409.4	2340.1	2359.9	2346.7
25°	2363.2	2359.9	2290.4	2313.6	2297.1
27.5°	2313.6	2297.1	2240.9	2260.7	2247.5
30°	2257.5	2227.7	2188.0	2201.2	2188.0
32.5°	2197.9	2155.0	2131.8	2141.7	2128.5
35°	2131.8	2085.6	2072.4	2078.9	2065.7
37.5°	2065.7	2016.2	2002.9	2012.8	1999.6
40°	1993.1	1946.7	1933.5	1940.2	1927.0
42.5°	1913.7	1874.1	1860.8	1864.1	1854.2
45°	1827.7	1784.8	1784.8	1788.1	1774.8
47.5°	1735.2	1698.9	1702.2	1705.5	1695.5
50°	1629.4	1603.0	1619.5	1622.9	1606.3
52.5°	1530.3	1503.9	1523.6	1530.3	1517.1
55°	1414.6	1394.8	1427.8	1427.8	1421.2
57.5°	1305.6	1285.7	1318.8	1332.0	1322.1
60°	1193.1	1173.4	1206.3	1229.5	1219.6
62.5°	1074.1	1057.7	1097.3	1127.0	1107.3
65°	955.2	941.9	981.6	994.8	518.9
67.5°	832.9	822.9	869.3	314.0	82.6
70°	707.3	697.4	723.9	79.3	79.3
72.5°	578.4	581.7	231.4	76.1	76.1
75°	459.5	462.7	66.1	72.7	72.7
77.5°	340.5	347.0	62.8	66.1	66.1
80°	231.4	168.6	56.1	56.1	56.1
82.5°	138.8	39.7	42.9	42.9	39.7
85°	59.5	29.7	29.7	26.4	26.4
87.5°	19.8	13.2	13.2	10.0	10.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)