

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-L935**

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-L935
Description: 8ft RSRK, 1000 LUMEN PER FOOT 90CRI 3500K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

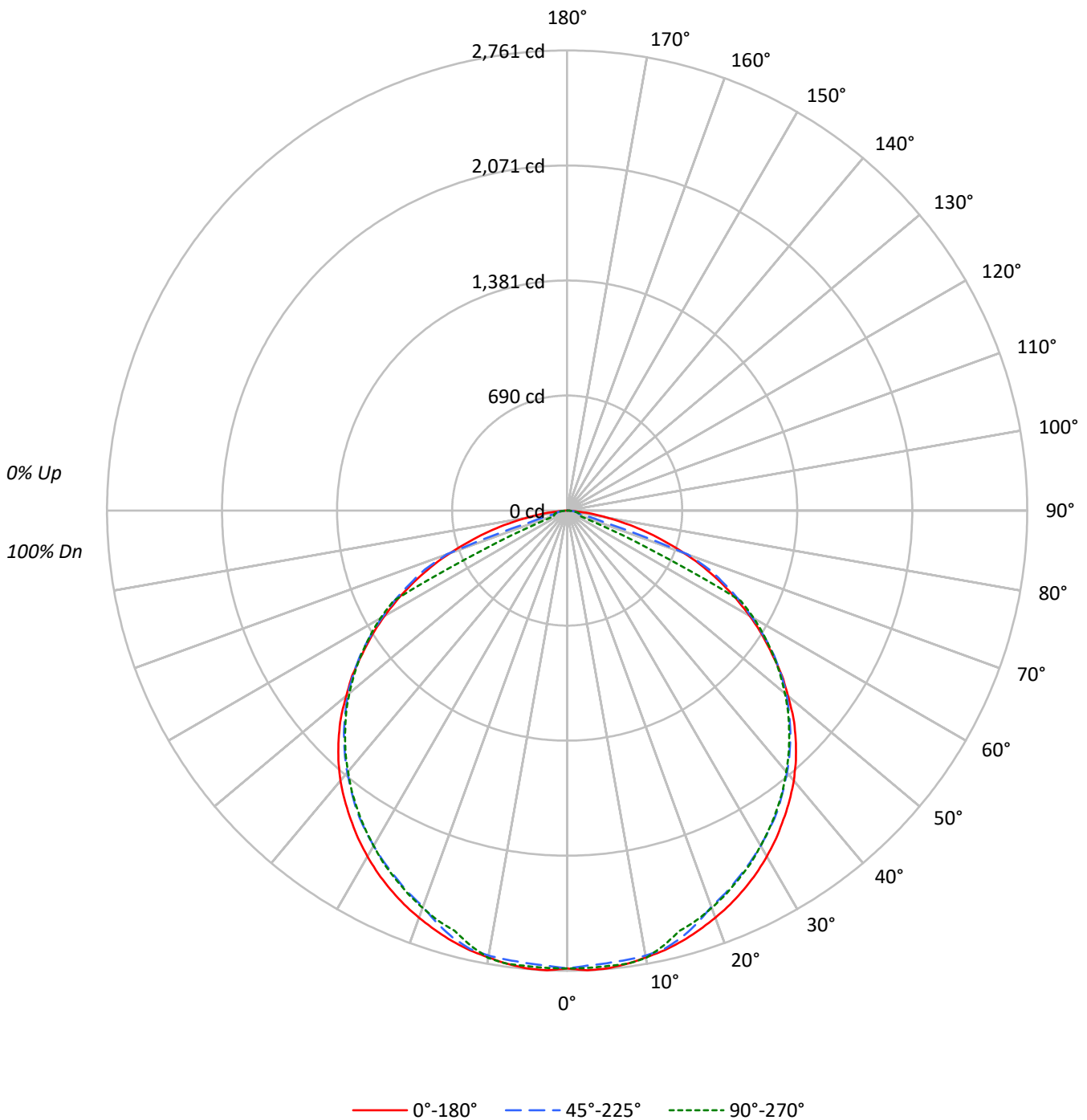
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7562.5 lumens
Efficiency: N/A
Efficacy: 262.6 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

TEST NUMBER: P#
CATALOG NUMBER: 8RSRK-100-HE-L935

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°	3696	3696	3696
5°	3724	3682	3705
10°	3720	3705	3724
15°	3724	3695	3636
20°	3722	3622	3632
25°	3724	3609	3620
30°	3723	3608	3608
35°	3717	3613	3602
40°	3716	3605	3593
45°	3692	3605	3585
50°	3620	3598	3569
55°	3522	3555	3539
60°	3408	3446	3483
65°	3228	3317	1754
70°	2954	3023	331
75°	2535	365	401
80°	1903	462	462
85°	976	486	434



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.0	3.5
10°-20°	747.6	9.9
20°-30°	1136.6	15.0
30°-40°	1384.5	18.3
40°-50°	1465.0	19.4
50°-60°	1343.7	17.8
60°-70°	906.4	12.0
70°-80°	273.9	3.6
80°-90°	43.8	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°	2145.2	28.4
0°-40°	3529.7	46.7
0°-60°	6338.4	83.8
0°-90°	7562.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7562.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2747	2747	2747	2747	2747	
5°	2758	2736	2726	2751	2744	262
15°	2673	2659	2652	2631	2610	755
25°	2508	2505	2431	2456	2438	1157
35°	2263	2214	2200	2207	2193	1417
45°	1940	1894	1894	1898	1884	1494
55°	1502	1480	1516	1516	1509	1344
65°	1014	1000	1042	1056	551	1001
75°	488	491	70	77	77	517
85°	63	32	32	28	28	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2747.1	2747.1	2747.1	2747.1	2747.1
2.5°	2761.1	2740.0	2733.1	2750.6	2747.1
5°	2757.6	2736.5	2726.0	2750.6	2743.5
7.5°	2743.5	2722.5	2719.0	2747.1	2743.5
10°	2722.5	2708.5	2711.9	2736.5	2726.0
12.5°	2701.4	2687.4	2694.4	2687.4	2673.4
15°	2673.4	2659.3	2652.3	2631.3	2610.2
17.5°	2638.3	2631.3	2596.2	2589.2	2578.7
20°	2599.7	2599.7	2529.5	2550.6	2536.6
22.5°	2557.6	2557.6	2483.9	2505.0	2490.9
25°	2508.5	2505.0	2431.3	2455.9	2438.4
27.5°	2455.9	2438.4	2378.7	2399.7	2385.7
30°	2396.3	2364.6	2322.5	2336.6	2322.5
32.5°	2333.0	2287.5	2262.9	2273.4	2259.4
35°	2262.9	2213.8	2199.8	2206.7	2192.7
37.5°	2192.7	2140.1	2126.1	2136.6	2122.5
40°	2115.6	2066.4	2052.4	2059.5	2045.4
42.5°	2031.4	1989.3	1975.3	1978.7	1968.2
45°	1940.1	1894.5	1894.5	1898.0	1884.0
47.5°	1841.8	1803.3	1806.8	1810.3	1799.7
50°	1729.6	1701.5	1719.1	1722.6	1705.1
52.5°	1624.4	1596.3	1617.3	1624.4	1610.4
55°	1501.6	1480.5	1515.6	1515.6	1508.6
57.5°	1385.8	1364.7	1399.9	1413.9	1403.3
60°	1266.5	1245.5	1280.5	1305.1	1294.5
62.5°	1140.2	1122.7	1164.8	1196.3	1175.3
65°	1013.9	999.8	1041.9	1056.0	550.8
67.5°	884.1	873.5	922.7	333.3	87.7
70°	750.8	740.3	768.4	84.2	84.2
72.5°	614.0	617.5	245.6	80.7	80.7
75°	487.7	491.2	70.2	77.2	77.2
77.5°	361.4	368.3	66.7	70.2	70.2
80°	245.6	179.0	59.6	59.6	59.6
82.5°	147.4	42.1	45.6	45.6	42.1
85°	63.2	31.5	31.5	28.1	28.1
87.5°	21.1	14.0	14.0	10.6	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)