

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-TS-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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-TS-100-HE-L935
Description: 4ft RSRK, 1000 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

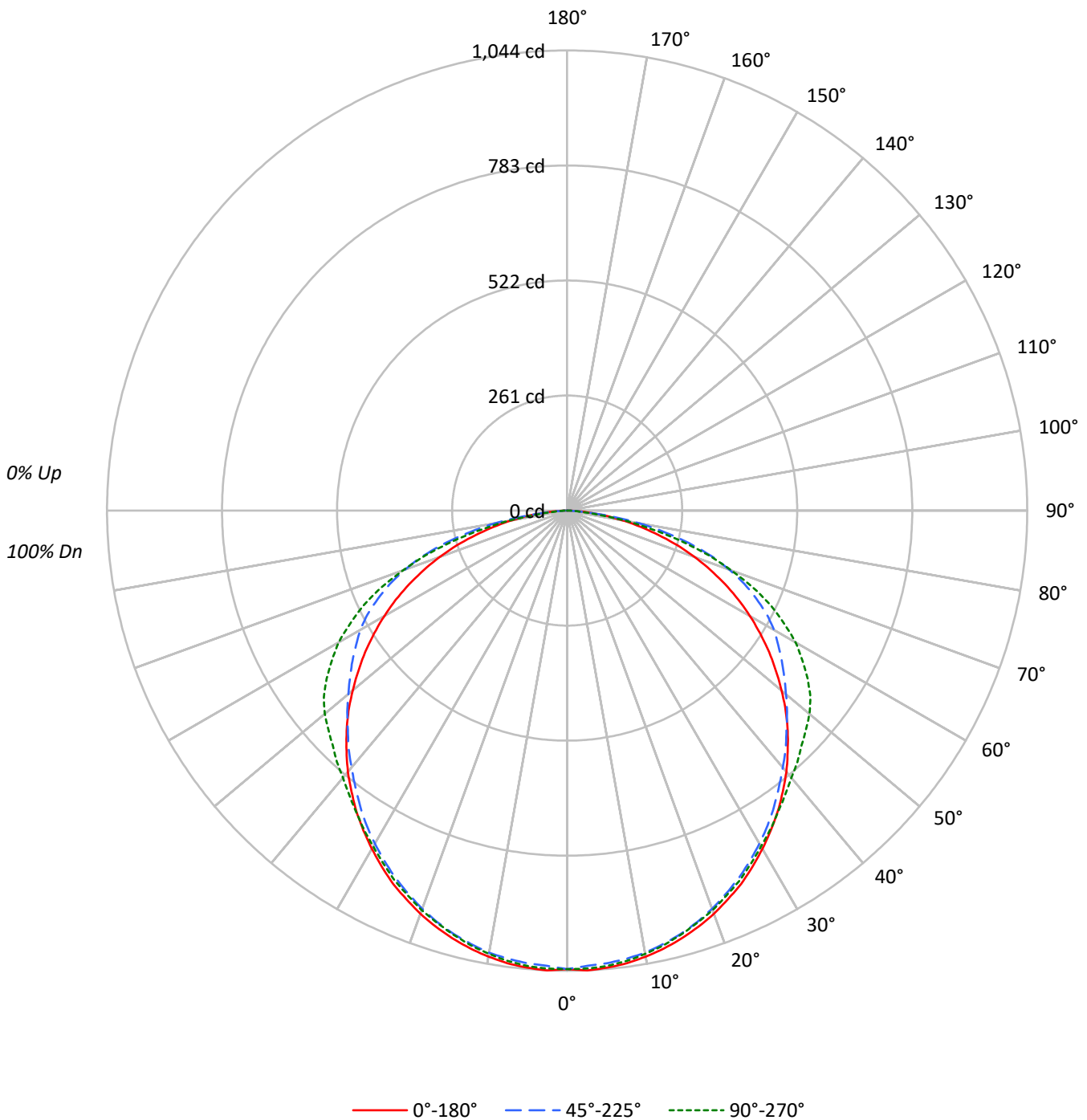
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3203.2 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
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-TS-100-HE-L935

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-TS-100-HE-L935

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°	2800	2800	2800
5°	2812	2785	2801
10°	2808	2783	2791
15°	2798	2770	2775
20°	2788	2753	2763
25°	2774	2733	2749
30°	2753	2711	2734
35°	2737	2690	2741
40°	2719	2673	2780
45°	2693	2678	2864
50°	2659	2714	3005
55°	2625	2791	3125
60°	2579	2918	3223
65°	2516	3016	3248
70°	2419	3082	3122
75°	2229	2982	2789
80°	1974	2565	2139
85°	1420	1300	849



TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-TS-100-HE-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	3.1
10°-20°	282.0	8.8
20°-30°	426.9	13.3
30°-40°	517.8	16.2
40°-50°	554.0	17.3
50°-60°	536.9	16.8
60°-70°	449.7	14.0
70°-80°	276.3	8.6
80°-90°	61.0	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°	807.4	25.2
0°-40°	1325.3	41.4
0°-60°	2416.2	75.4
0°-90°	3203.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3203.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1040	1040	1040	1040	1040	
5°	1041	1039	1031	1038	1037	99
15°	1004	1002	994	999	996	284
25°	934	929	920	926	926	430
35°	833	823	819	833	834	521
45°	708	692	704	740	752	546
55°	560	544	595	654	666	499
65°	395	393	474	506	510	391
75°	214	250	287	274	268	228
85°	46	62	42	29	28	58
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-TS-100-HE-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1040.4	1040.4	1040.4	1040.4	1040.4
2.5°	1044.3	1041.5	1033.7	1040.4	1039.9
5°	1041.0	1038.7	1030.9	1037.6	1037.1
7.5°	1035.9	1033.7	1025.8	1032.6	1030.9
10°	1027.5	1025.8	1018.5	1023.6	1021.3
12.5°	1017.4	1015.7	1007.3	1012.9	1010.1
15°	1004.5	1002.3	994.4	998.9	996.1
17.5°	989.9	987.1	979.2	983.7	980.9
20°	973.6	969.7	961.3	967.5	964.7
22.5°	954.0	951.2	941.1	947.8	945.0
25°	934.4	928.7	920.3	926.5	925.9
27.5°	910.8	905.2	896.8	904.1	902.9
30°	886.1	879.9	872.6	879.9	879.9
32.5°	860.3	852.4	846.8	855.2	858.0
35°	833.3	822.7	818.8	832.8	834.5
37.5°	803.6	792.9	789.6	808.1	812.6
40°	773.9	760.4	761.0	784.5	791.3
42.5°	740.8	727.3	733.5	761.0	773.3
45°	707.6	692.5	703.7	739.6	752.5
47.5°	672.8	658.3	676.8	718.9	735.1
50°	635.2	620.7	648.2	699.2	717.7
52.5°	597.1	581.9	620.7	679.0	695.9
55°	559.5	544.3	594.8	653.8	666.1
57.5°	519.1	506.2	567.9	620.7	633.0
60°	479.2	468.0	542.1	587.0	598.8
62.5°	438.3	429.9	510.7	548.3	555.0
65°	395.1	392.8	473.6	505.6	510.1
67.5°	351.9	357.5	435.5	456.2	456.8
70°	307.5	322.7	391.7	400.7	396.8
72.5°	262.6	289.0	343.4	338.9	335.6
75°	214.4	250.3	286.8	274.4	268.2
77.5°	170.6	211.0	226.2	208.8	199.2
80°	127.4	166.7	165.5	143.1	138.0
82.5°	85.9	116.2	99.3	80.8	70.7
85°	46.0	61.7	42.1	29.2	27.5
87.5°	17.4	14.6	11.2	10.1	10.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)