

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-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: 4RSRK-100-HE-L935  
Description: 4ft RSRK, 1000 LUMEN PER FOOT 90CRI 3500K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

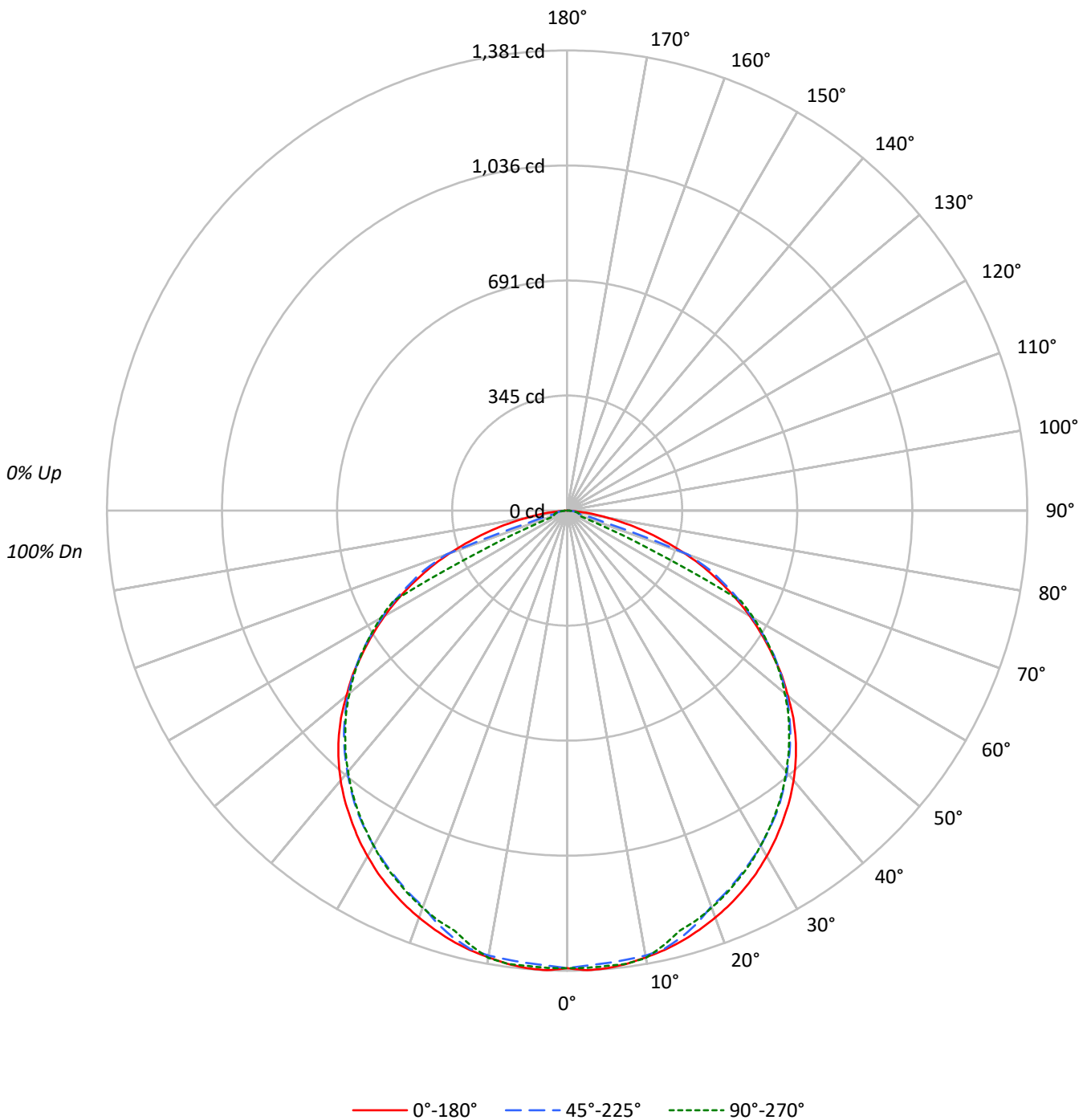
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3781.3 lumens  
Efficiency: N/A  
Efficacy: 131.3 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

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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°	3696	3696	3696
5°	3724	3682	3706
10°	3719	3705	3724
15°	3724	3695	3636
20°	3722	3622	3632
25°	3724	3609	3620
30°	3723	3608	3608
35°	3717	3613	3601
40°	3716	3605	3593
45°	3691	3605	3585
50°	3620	3598	3569
55°	3522	3555	3539
60°	3408	3446	3484
65°	3228	3317	1754
70°	2954	3023	331
75°	2536	365	401
80°	1903	462	462
85°	976	488	432



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.5	3.5
10°-20°	373.8	9.9
20°-30°	568.3	15.0
30°-40°	692.2	18.3
40°-50°	732.5	19.4
50°-60°	671.9	17.8
60°-70°	453.2	12.0
70°-80°	137.0	3.6
80°-90°	21.9	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°	1072.6	28.4
0°-40°	1764.8	46.7
0°-60°	3169.2	83.8
0°-90°	3781.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3781.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1374	1374	1374	1374	1374	
5°	1379	1368	1363	1375	1372	131
15°	1337	1330	1326	1316	1305	377
25°	1254	1252	1216	1228	1219	578
35°	1131	1107	1100	1103	1096	708
45°	970	947	947	949	942	747
55°	751	740	758	758	754	672
65°	507	500	521	528	275	500
75°	244	246	35	39	39	258
85°	32	16	16	14	14	48
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1373.5	1373.5	1373.5	1373.5	1373.5
2.5°	1380.6	1370.0	1366.5	1375.3	1373.5
5°	1378.8	1368.3	1363.0	1375.3	1371.8
7.5°	1371.8	1361.2	1359.5	1373.5	1371.8
10°	1361.2	1354.2	1356.0	1368.3	1363.0
12.5°	1350.7	1343.7	1347.2	1343.7	1336.7
15°	1336.7	1329.7	1326.2	1315.6	1305.1
17.5°	1319.1	1315.6	1298.1	1294.6	1289.3
20°	1299.8	1299.8	1264.7	1275.3	1268.3
22.5°	1278.8	1278.8	1242.0	1252.5	1245.5
25°	1254.3	1252.5	1215.6	1227.9	1219.2
27.5°	1227.9	1219.2	1189.3	1199.9	1192.8
30°	1198.1	1182.3	1161.3	1168.3	1161.3
32.5°	1166.5	1143.7	1131.4	1136.7	1129.7
35°	1131.4	1106.9	1099.9	1103.4	1096.3
37.5°	1096.3	1070.1	1063.0	1068.3	1061.3
40°	1057.8	1033.2	1026.2	1029.7	1022.7
42.5°	1015.7	994.6	987.6	989.4	984.1
45°	970.0	947.3	947.3	949.0	942.0
47.5°	920.9	901.6	903.4	905.2	899.9
50°	864.8	850.8	859.5	861.3	852.5
52.5°	812.2	798.2	808.7	812.2	805.2
55°	750.8	740.3	757.8	757.8	754.3
57.5°	692.9	682.4	699.9	707.0	701.7
60°	633.2	622.8	640.3	652.6	647.3
62.5°	570.1	561.3	582.4	598.2	587.7
65°	506.9	499.9	521.0	528.0	275.4
67.5°	442.1	436.8	461.4	166.7	43.8
70°	375.4	370.2	384.2	42.1	42.1
72.5°	307.0	308.7	122.8	40.4	40.4
75°	243.9	245.6	35.1	38.6	38.6
77.5°	180.7	184.2	33.4	35.1	35.1
80°	122.8	89.5	29.8	29.8	29.8
82.5°	73.7	21.1	22.8	22.8	21.1
85°	31.6	15.8	15.8	14.0	14.0
87.5°	10.5	7.0	7.0	5.3	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)