

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-L950**

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-L950  
Description: 4ft RSRK, 1000 LUMEN PER FOOT 90CRI 5000K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

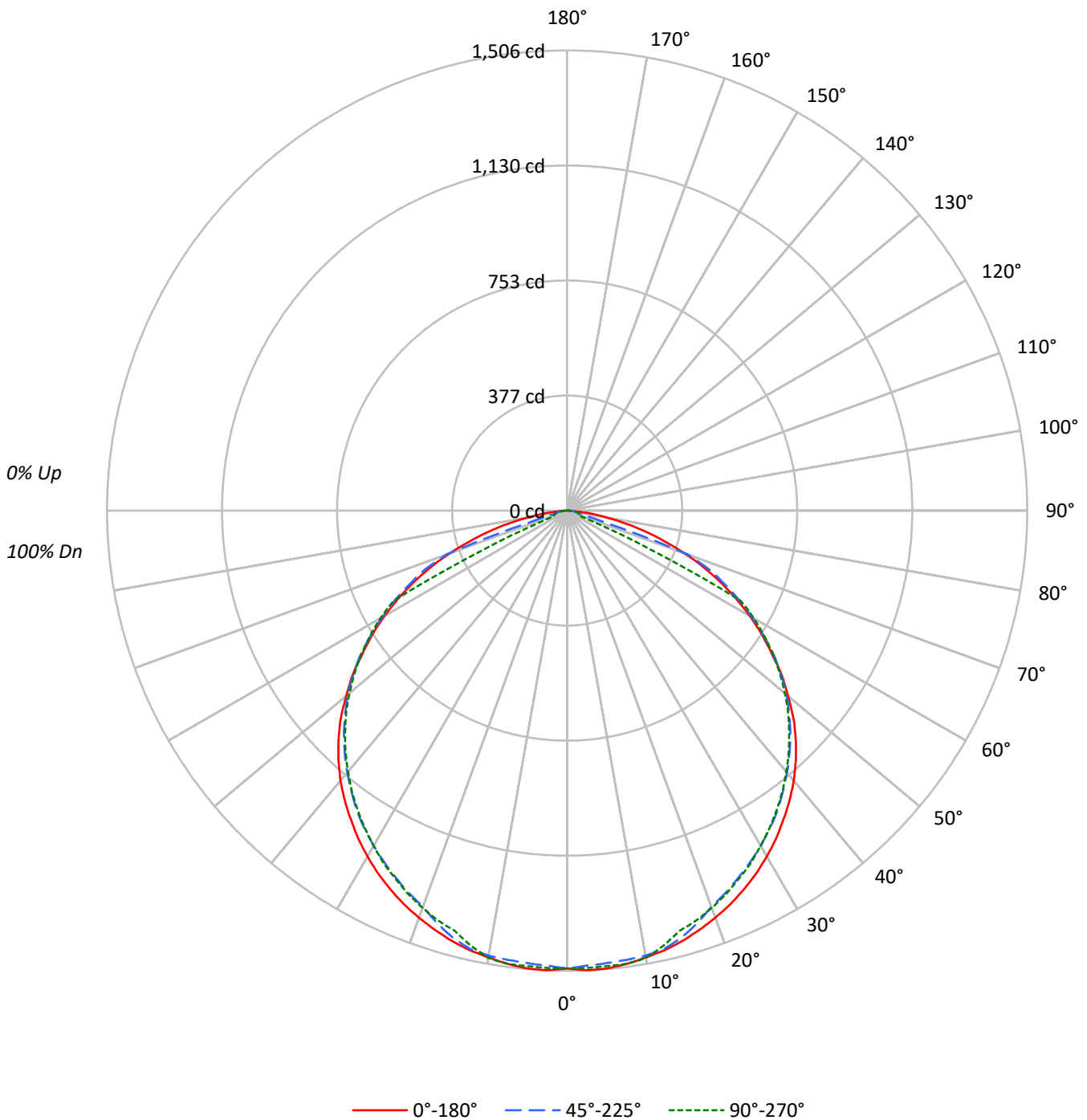
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4124.7 lumens  
Efficiency: N/A  
Efficacy: 143.2 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°	4032	4032	4032
5°	4063	4016	4042
10°	4057	4042	4062
15°	4062	4030	3966
20°	4060	3951	3962
25°	4062	3937	3949
30°	4061	3936	3936
35°	4054	3941	3929
40°	4053	3932	3919
45°	4027	3932	3910
50°	3949	3925	3893
55°	3842	3878	3860
60°	3717	3759	3800
65°	3521	3619	1913
70°	3222	3297	361
75°	2766	398	438
80°	2075	504	504
85°	1062	531	472



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.3	3.5
10°-20°	407.8	9.9
20°-30°	619.9	15.0
30°-40°	755.1	18.3
40°-50°	799.0	19.4
50°-60°	732.9	17.8
60°-70°	494.3	12.0
70°-80°	149.4	3.6
80°-90°	23.9	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°	1170.0	28.4
0°-40°	1925.1	46.7
0°-60°	3457.0	83.8
0°-90°	4124.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4124.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1498	1498	1498	1498	1498	
5°	1504	1492	1487	1500	1496	143
15°	1458	1450	1447	1435	1424	412
25°	1368	1366	1326	1339	1330	631
35°	1234	1207	1200	1204	1196	773
45°	1058	1033	1033	1035	1028	815
55°	819	808	827	827	823	733
65°	553	545	568	576	300	546
75°	266	268	38	42	42	282
85°	34	17	17	15	15	53
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1498.3	1498.3	1498.3	1498.3	1498.3
2.5°	1505.9	1494.4	1490.6	1500.2	1498.3
5°	1504.0	1492.5	1486.7	1500.2	1496.3
7.5°	1496.3	1484.9	1483.0	1498.3	1496.3
10°	1484.9	1477.2	1479.1	1492.5	1486.7
12.5°	1473.4	1465.7	1469.5	1465.7	1458.1
15°	1458.1	1450.4	1446.6	1435.1	1423.6
17.5°	1438.9	1435.1	1416.0	1412.1	1406.4
20°	1417.9	1417.9	1379.6	1391.1	1383.5
22.5°	1394.9	1394.9	1354.7	1366.2	1358.6
25°	1368.2	1366.2	1326.0	1339.4	1329.9
27.5°	1339.4	1329.9	1297.3	1308.8	1301.2
30°	1306.9	1289.7	1266.7	1274.4	1266.7
32.5°	1272.4	1247.6	1234.2	1239.9	1232.3
35°	1234.2	1207.4	1199.8	1203.6	1195.9
37.5°	1195.9	1167.2	1159.6	1165.3	1157.6
40°	1153.8	1127.0	1119.4	1123.2	1115.6
42.5°	1107.9	1085.0	1077.3	1079.2	1073.4
45°	1058.1	1033.3	1033.3	1035.2	1027.5
47.5°	1004.6	983.5	985.5	987.4	981.6
50°	943.3	928.0	937.6	939.5	929.9
52.5°	886.0	870.7	882.1	886.0	878.3
55°	819.0	807.5	826.6	826.6	822.8
57.5°	755.8	744.3	763.5	771.2	765.4
60°	690.7	679.3	698.4	711.8	706.1
62.5°	621.9	612.3	635.3	652.5	641.0
65°	553.0	545.3	568.3	575.9	300.4
67.5°	482.2	476.4	503.3	181.8	47.8
70°	409.5	403.8	419.1	45.9	45.9
72.5°	334.9	336.8	133.9	44.0	44.0
75°	266.0	267.9	38.3	42.1	42.1
77.5°	197.1	200.9	36.4	38.3	38.3
80°	133.9	97.6	32.5	32.5	32.5
82.5°	80.4	23.0	24.9	24.9	23.0
85°	34.4	17.2	17.2	15.3	15.3
87.5°	11.5	7.7	7.7	5.8	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)