

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-L940**

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-L940
Description: 4ft RSRK, 1000 LUMEN PER FOOT 90CRI 4000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

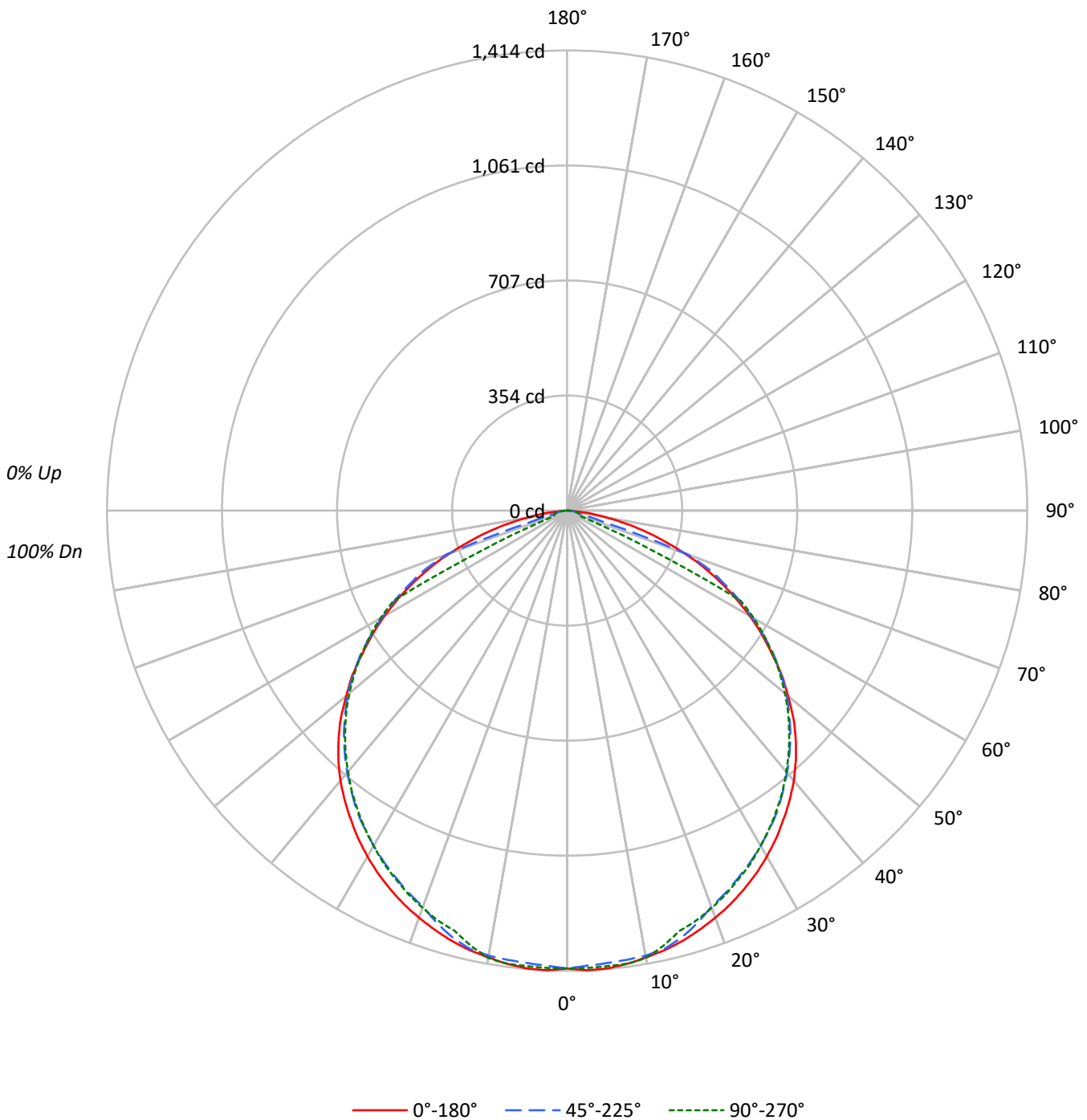
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3872.8 lumens
Efficiency: N/A
Efficacy: 134.5 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°	3786	3786	3786
5°	3815	3771	3795
10°	3810	3795	3815
15°	3814	3784	3724
20°	3812	3710	3720
25°	3814	3697	3708
30°	3813	3696	3696
35°	3807	3701	3689
40°	3806	3692	3680
45°	3781	3692	3672
50°	3708	3686	3656
55°	3608	3642	3625
60°	3491	3529	3568
65°	3306	3398	1796
70°	3025	3096	339
75°	2597	373	411
80°	1949	473	473
85°	997	497	445



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.7	3.5
10°-20°	382.9	9.9
20°-30°	582.0	15.0
30°-40°	709.0	18.3
40°-50°	750.2	19.4
50°-60°	688.2	17.8
60°-70°	464.2	12.0
70°-80°	140.3	3.6
80°-90°	22.4	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°	1098.6	28.4
0°-40°	1807.6	46.7
0°-60°	3246.0	83.8
0°-90°	3872.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3872.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1407	1407	1407	1407	1407	
5°	1412	1401	1396	1409	1405	134
15°	1369	1362	1358	1348	1337	386
25°	1285	1283	1245	1258	1249	592
35°	1159	1134	1126	1130	1123	726
45°	994	970	970	972	965	765
55°	769	758	776	776	773	688
65°	519	512	534	541	282	513
75°	250	252	36	40	40	265
85°	32	16	16	14	14	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1406.8	1406.8	1406.8	1406.8	1406.8
2.5°	1414.0	1403.2	1399.6	1408.6	1406.8
5°	1412.2	1401.4	1396.0	1408.6	1405.0
7.5°	1405.0	1394.2	1392.4	1406.8	1405.0
10°	1394.2	1387.0	1388.8	1401.4	1396.0
12.5°	1383.4	1376.2	1379.8	1376.2	1369.1
15°	1369.1	1361.9	1358.3	1347.5	1336.7
17.5°	1351.1	1347.5	1329.5	1325.9	1320.6
20°	1331.3	1331.3	1295.4	1306.2	1299.0
22.5°	1309.8	1309.8	1272.0	1282.8	1275.6
25°	1284.6	1282.8	1245.1	1257.7	1248.7
27.5°	1257.7	1248.7	1218.1	1228.9	1221.7
30°	1227.1	1211.0	1189.4	1196.6	1189.4
32.5°	1194.8	1171.4	1158.8	1164.2	1157.1
35°	1158.8	1133.7	1126.5	1130.1	1122.9
37.5°	1122.9	1096.0	1088.8	1094.2	1087.0
40°	1083.4	1058.2	1051.0	1054.7	1047.5
42.5°	1040.3	1018.7	1011.5	1013.3	1007.9
45°	993.5	970.2	970.2	972.0	964.8
47.5°	943.2	923.5	925.3	927.1	921.7
50°	885.7	871.4	880.4	882.2	873.2
52.5°	831.9	817.5	828.2	831.9	824.7
55°	769.0	758.2	776.2	776.2	772.6
57.5°	709.7	698.9	716.9	724.1	718.7
60°	648.6	637.8	655.8	668.4	663.0
62.5°	583.9	574.9	596.5	612.6	601.9
65°	519.2	512.0	533.6	540.8	282.1
67.5°	452.8	447.3	472.5	170.7	44.9
70°	384.5	379.1	393.5	43.1	43.1
72.5°	314.4	316.2	125.8	41.3	41.3
75°	249.8	251.5	35.9	39.5	39.5
77.5°	185.1	188.6	34.2	35.9	35.9
80°	125.8	91.7	30.5	30.5	30.5
82.5°	75.5	21.6	23.3	23.3	21.6
85°	32.3	16.1	16.1	14.4	14.4
87.5°	10.8	7.2	7.2	5.4	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)