

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-L830**

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-L830
Description: 4ft RSRK, 1000 LUMEN PER FOOT 80CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

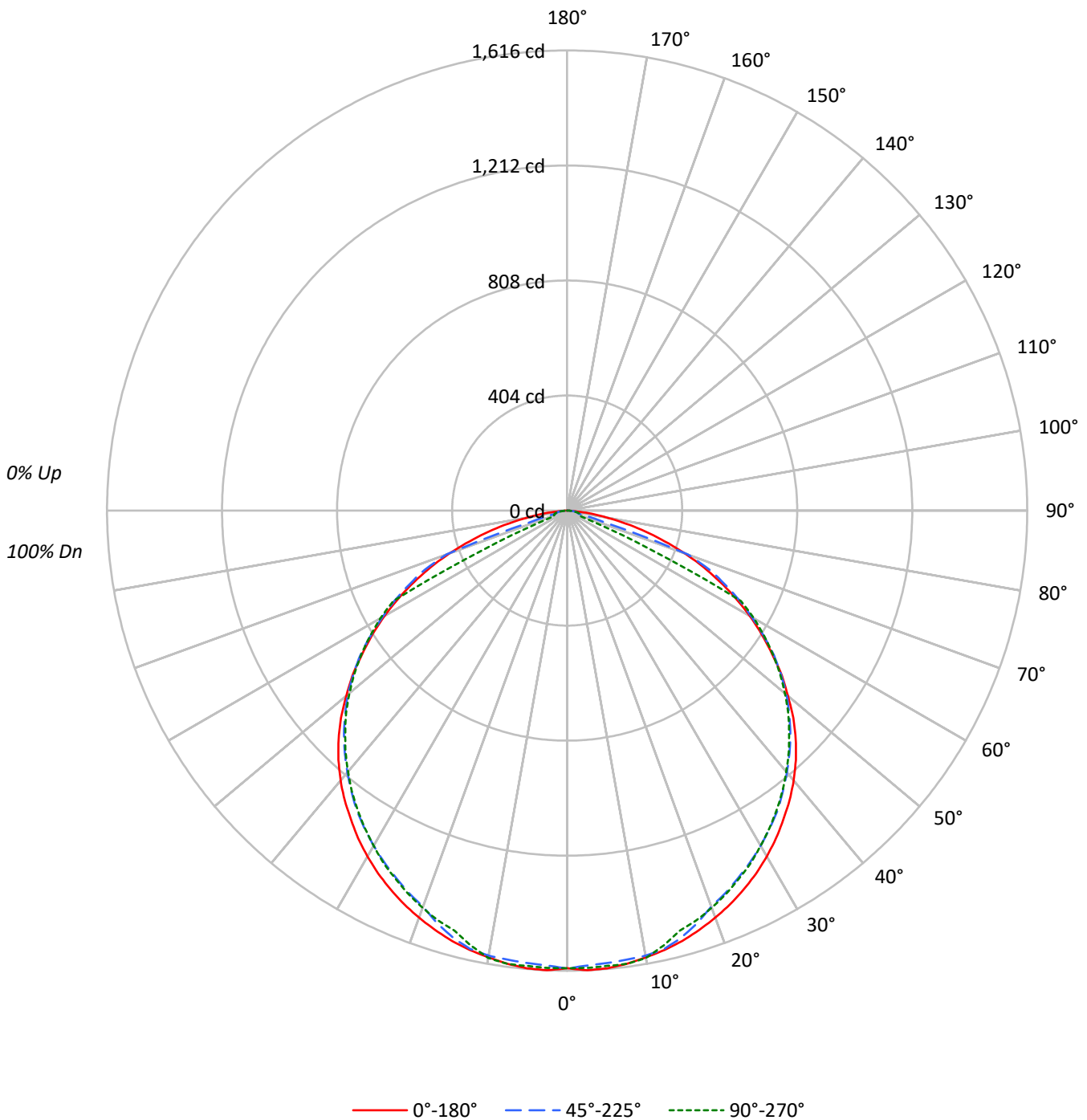
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4425.2 lumens
Efficiency: N/A
Efficacy: 153.7 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°	4325	4325	4325
5°	4359	4309	4337
10°	4353	4336	4359
15°	4358	4324	4255
20°	4356	4239	4251
25°	4358	4224	4236
30°	4357	4223	4223
35°	4350	4229	4215
40°	4349	4219	4204
45°	4320	4219	4195
50°	4237	4211	4177
55°	4122	4161	4141
60°	3989	4033	4077
65°	3778	3882	2052
70°	3456	3537	388
75°	2967	427	470
80°	2227	541	541
85°	1142	571	506



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.7	3.5
10°-20°	437.5	9.9
20°-30°	665.1	15.0
30°-40°	810.1	18.3
40°-50°	857.2	19.4
50°-60°	786.3	17.8
60°-70°	530.4	12.0
70°-80°	160.3	3.6
80°-90°	25.6	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°	1255.2	28.4
0°-40°	2065.4	46.7
0°-60°	3708.9	83.8
0°-90°	4425.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4425.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1607	1607	1607	1607	1607	
5°	1614	1601	1595	1610	1605	153
15°	1564	1556	1552	1540	1527	442
25°	1468	1466	1423	1437	1427	677
35°	1324	1295	1287	1291	1283	829
45°	1135	1109	1109	1111	1102	874
55°	879	866	887	887	883	786
65°	593	585	610	618	322	586
75°	285	287	41	45	45	302
85°	37	18	18	16	16	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1607.4	1607.4	1607.4	1607.4	1607.4
2.5°	1615.7	1603.3	1599.2	1609.5	1607.4
5°	1613.6	1601.3	1595.1	1609.5	1605.4
7.5°	1605.4	1593.0	1591.0	1607.4	1605.4
10°	1593.0	1584.8	1586.9	1601.3	1595.1
12.5°	1580.7	1572.5	1576.6	1572.5	1564.3
15°	1564.3	1556.1	1552.0	1539.7	1527.4
17.5°	1543.8	1539.7	1519.1	1515.0	1508.9
20°	1521.2	1521.2	1480.1	1492.5	1484.3
22.5°	1496.5	1496.5	1453.5	1465.8	1457.6
25°	1467.8	1465.8	1422.6	1437.0	1426.8
27.5°	1437.0	1426.8	1391.9	1404.2	1396.0
30°	1402.2	1383.7	1359.0	1367.2	1359.0
32.5°	1365.2	1338.5	1324.1	1330.3	1322.1
35°	1324.1	1295.4	1287.2	1291.2	1283.0
37.5°	1283.0	1252.3	1244.1	1250.2	1242.0
40°	1237.9	1209.1	1200.9	1205.1	1196.9
42.5°	1188.7	1164.0	1155.8	1157.8	1151.7
45°	1135.2	1108.6	1108.6	1110.6	1102.4
47.5°	1077.7	1055.2	1057.3	1059.3	1053.1
50°	1012.1	995.6	1005.9	1008.0	997.7
52.5°	950.5	934.1	946.4	950.5	942.3
55°	878.6	866.3	886.9	886.9	882.7
57.5°	810.9	798.6	819.1	827.3	821.2
60°	741.1	728.8	749.3	763.7	757.5
62.5°	667.2	656.9	681.6	700.0	687.7
65°	593.3	585.1	609.7	617.9	322.3
67.5°	517.3	511.1	539.9	195.0	51.3
70°	439.3	433.2	449.6	49.3	49.3
72.5°	359.3	361.3	143.7	47.2	47.2
75°	285.4	287.4	41.1	45.2	45.2
77.5°	211.5	215.5	39.0	41.1	41.1
80°	143.7	104.7	34.9	34.9	34.9
82.5°	86.2	24.6	26.7	26.7	24.6
85°	37.0	18.5	18.5	16.4	16.4
87.5°	12.3	8.2	8.2	6.2	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)