

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-L840**

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-L840
Description: 4ft RSRK, 1000 LUMEN PER FOOT 80CRI 4000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

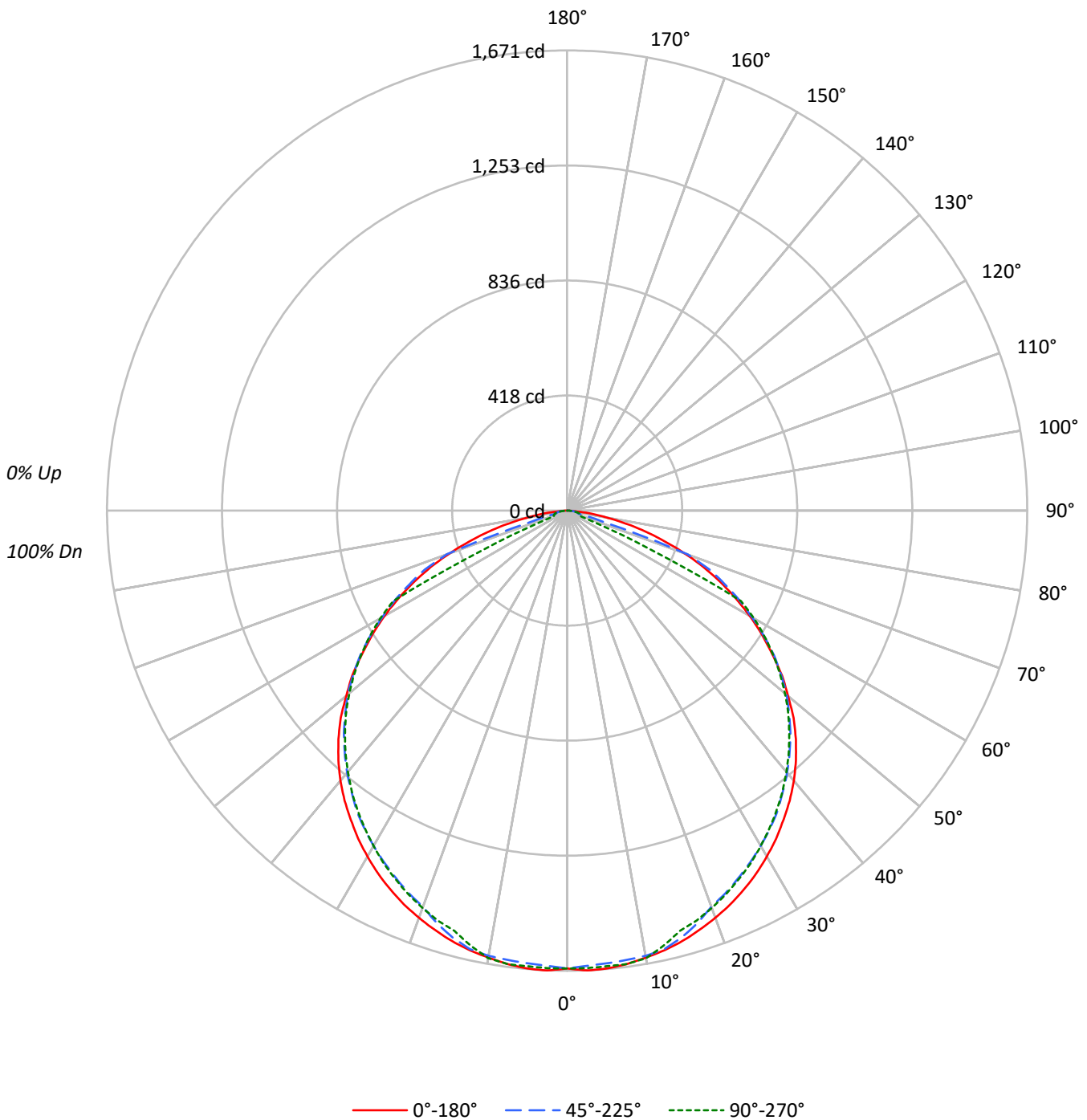
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4577.8 lumens
Efficiency: N/A
Efficacy: 159.0 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°	4475	4475	4475
5°	4509	4457	4486
10°	4503	4486	4509
15°	4508	4473	4402
20°	4507	4385	4397
25°	4509	4370	4382
30°	4507	4369	4369
35°	4500	4374	4360
40°	4499	4364	4350
45°	4469	4364	4340
50°	4383	4356	4321
55°	4265	4304	4284
60°	4126	4172	4217
65°	3908	4016	2123
70°	3576	3659	401
75°	3069	442	486
80°	2304	559	559
85°	1179	590	525



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.0	3.5
10°-20°	452.6	9.9
20°-30°	688.0	15.0
30°-40°	838.1	18.3
40°-50°	886.8	19.4
50°-60°	813.4	17.8
60°-70°	548.7	12.0
70°-80°	165.8	3.6
80°-90°	26.5	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°	1298.6	28.4
0°-40°	2136.6	46.7
0°-60°	3836.8	83.8
0°-90°	4577.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4577.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1663	1663	1663	1663	1663	
5°	1669	1656	1650	1665	1661	159
15°	1618	1610	1606	1593	1580	457
25°	1518	1516	1472	1487	1476	700
35°	1370	1340	1332	1336	1327	858
45°	1174	1147	1147	1149	1140	904
55°	909	896	917	917	913	814
65°	614	605	631	639	333	606
75°	295	297	42	47	47	313
85°	38	19	19	17	17	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1662.9	1662.9	1662.9	1662.9	1662.9
2.5°	1671.4	1658.6	1654.4	1665.0	1662.9
5°	1669.2	1656.5	1650.1	1665.0	1660.8
7.5°	1660.8	1648.0	1645.9	1662.9	1660.8
10°	1648.0	1639.5	1641.6	1656.5	1650.1
12.5°	1635.3	1626.8	1631.0	1626.8	1618.3
15°	1618.3	1609.8	1605.5	1592.8	1580.1
17.5°	1597.0	1592.8	1571.6	1567.3	1561.0
20°	1573.7	1573.7	1531.2	1544.0	1535.5
22.5°	1548.2	1548.2	1503.6	1516.3	1507.8
25°	1518.5	1516.3	1471.7	1486.6	1476.0
27.5°	1486.6	1476.0	1439.9	1452.6	1444.1
30°	1450.5	1431.4	1405.9	1414.4	1405.9
32.5°	1412.3	1384.7	1369.8	1376.2	1367.7
35°	1369.8	1340.1	1331.6	1335.8	1327.3
37.5°	1327.3	1295.5	1287.0	1293.3	1284.8
40°	1280.6	1250.8	1242.4	1246.7	1238.2
42.5°	1229.7	1204.2	1195.7	1197.8	1191.4
45°	1174.4	1146.8	1146.8	1148.9	1140.4
47.5°	1114.9	1091.6	1093.7	1095.8	1089.4
50°	1047.0	1030.0	1040.6	1042.8	1032.1
52.5°	983.3	966.3	979.0	983.3	974.8
55°	909.0	896.2	917.4	917.4	913.2
57.5°	838.9	826.1	847.4	855.9	849.5
60°	766.6	753.9	775.1	790.0	783.6
62.5°	690.2	679.6	705.1	724.2	711.5
65°	613.7	605.2	630.7	639.2	333.4
67.5°	535.2	528.8	558.6	201.8	53.1
70°	454.5	448.1	465.1	51.0	51.0
72.5°	371.7	373.8	148.7	48.9	48.9
75°	295.2	297.3	42.5	46.7	46.7
77.5°	218.8	223.0	40.4	42.5	42.5
80°	148.7	108.3	36.1	36.1	36.1
82.5°	89.2	25.5	27.6	27.6	25.5
85°	38.2	19.1	19.1	17.0	17.0
87.5°	12.7	8.5	8.5	6.4	6.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)