

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-L835**

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-L835
Description: 4ft RSRK, 1000 LUMEN PER FOOT 80CRI 3500K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

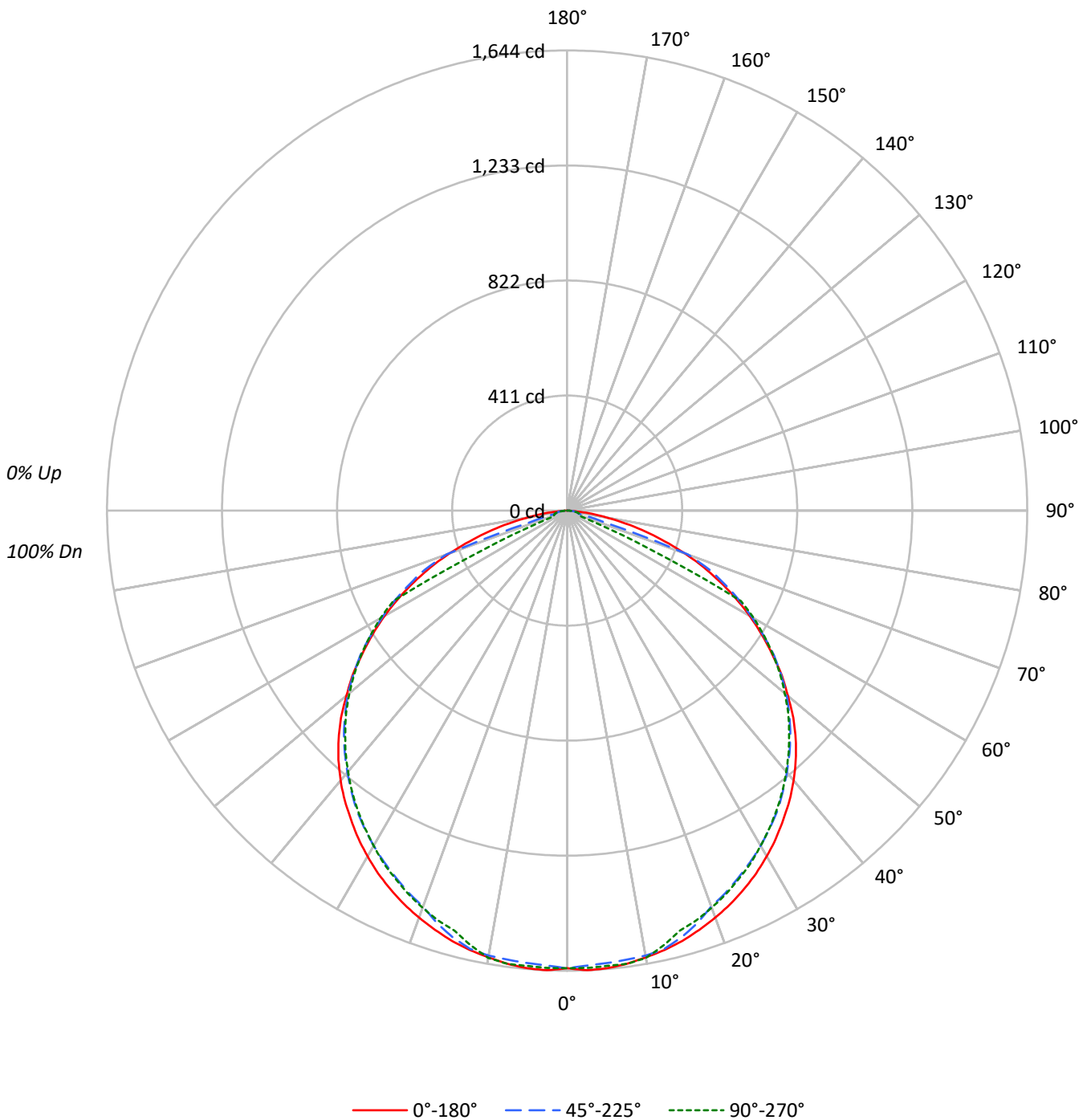
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4501.5 lumens
Efficiency: N/A
Efficacy: 156.3 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°	4400	4400	4400
5°	4434	4383	4411
10°	4428	4411	4434
15°	4433	4398	4328
20°	4431	4312	4324
25°	4434	4297	4309
30°	4432	4296	4296
35°	4425	4301	4288
40°	4424	4291	4277
45°	4395	4292	4268
50°	4310	4284	4249
55°	4193	4233	4213
60°	4057	4102	4147
65°	3843	3949	2087
70°	3516	3599	394
75°	3018	435	477
80°	2266	550	550
85°	1161	580	516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.3	3.5
10°-20°	445.0	9.9
20°-30°	676.5	15.0
30°-40°	824.1	18.3
40°-50°	872.0	19.4
50°-60°	799.9	17.8
60°-70°	539.5	12.0
70°-80°	163.1	3.6
80°-90°	26.1	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°	1276.9	28.4
0°-40°	2101.0	46.7
0°-60°	3772.9	83.8
0°-90°	4501.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4501.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1635	1635	1635	1635	1635	
5°	1641	1629	1623	1637	1633	156
15°	1591	1583	1579	1566	1554	449
25°	1493	1491	1447	1462	1451	689
35°	1347	1318	1309	1314	1305	843
45°	1155	1128	1128	1130	1121	889
55°	894	881	902	902	898	800
65°	604	595	620	629	328	596
75°	290	292	42	46	46	308
85°	38	19	19	17	17	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1635.2	1635.2	1635.2	1635.2	1635.2
2.5°	1643.5	1630.9	1626.8	1637.2	1635.2
5°	1641.4	1628.9	1622.6	1637.2	1633.1
7.5°	1633.1	1620.5	1618.5	1635.2	1633.1
10°	1620.5	1612.2	1614.2	1628.9	1622.6
12.5°	1608.0	1599.6	1603.8	1599.6	1591.3
15°	1591.3	1582.9	1578.8	1566.2	1553.7
17.5°	1570.4	1566.2	1545.4	1541.2	1534.9
20°	1547.4	1547.4	1505.6	1518.2	1509.9
22.5°	1522.4	1522.4	1478.5	1491.1	1482.7
25°	1493.2	1491.1	1447.2	1461.8	1451.4
27.5°	1461.8	1451.4	1415.9	1428.4	1420.1
30°	1426.3	1407.5	1382.5	1390.8	1382.5
32.5°	1388.7	1361.6	1346.9	1353.2	1344.9
35°	1346.9	1317.7	1309.4	1313.5	1305.2
37.5°	1305.2	1273.9	1265.5	1271.8	1263.4
40°	1259.3	1230.0	1221.6	1225.9	1217.5
42.5°	1209.2	1184.1	1175.7	1177.8	1171.5
45°	1154.8	1127.7	1127.7	1129.8	1121.4
47.5°	1096.3	1073.4	1075.5	1077.6	1071.3
50°	1029.5	1012.8	1023.3	1025.4	1014.9
52.5°	966.9	950.2	962.7	966.9	958.6
55°	893.8	881.3	902.2	902.2	898.0
57.5°	824.9	812.3	833.3	841.6	835.3
60°	753.9	741.4	762.2	776.9	770.6
62.5°	678.7	668.3	693.3	712.1	699.6
65°	603.5	595.1	620.2	628.6	327.8
67.5°	526.3	520.0	549.3	198.4	52.2
70°	446.9	440.7	457.4	50.1	50.1
72.5°	365.5	367.5	146.2	48.1	48.1
75°	290.3	292.4	41.8	45.9	45.9
77.5°	215.1	219.2	39.7	41.8	41.8
80°	146.2	106.5	35.5	35.5	35.5
82.5°	87.7	25.1	27.1	27.1	25.1
85°	37.6	18.8	18.8	16.7	16.7
87.5°	12.5	8.4	8.4	6.3	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)