

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-TB-50-HE-L935**

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 (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-TB-50-HE-L935
Description: 4ft RSRK, 500 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

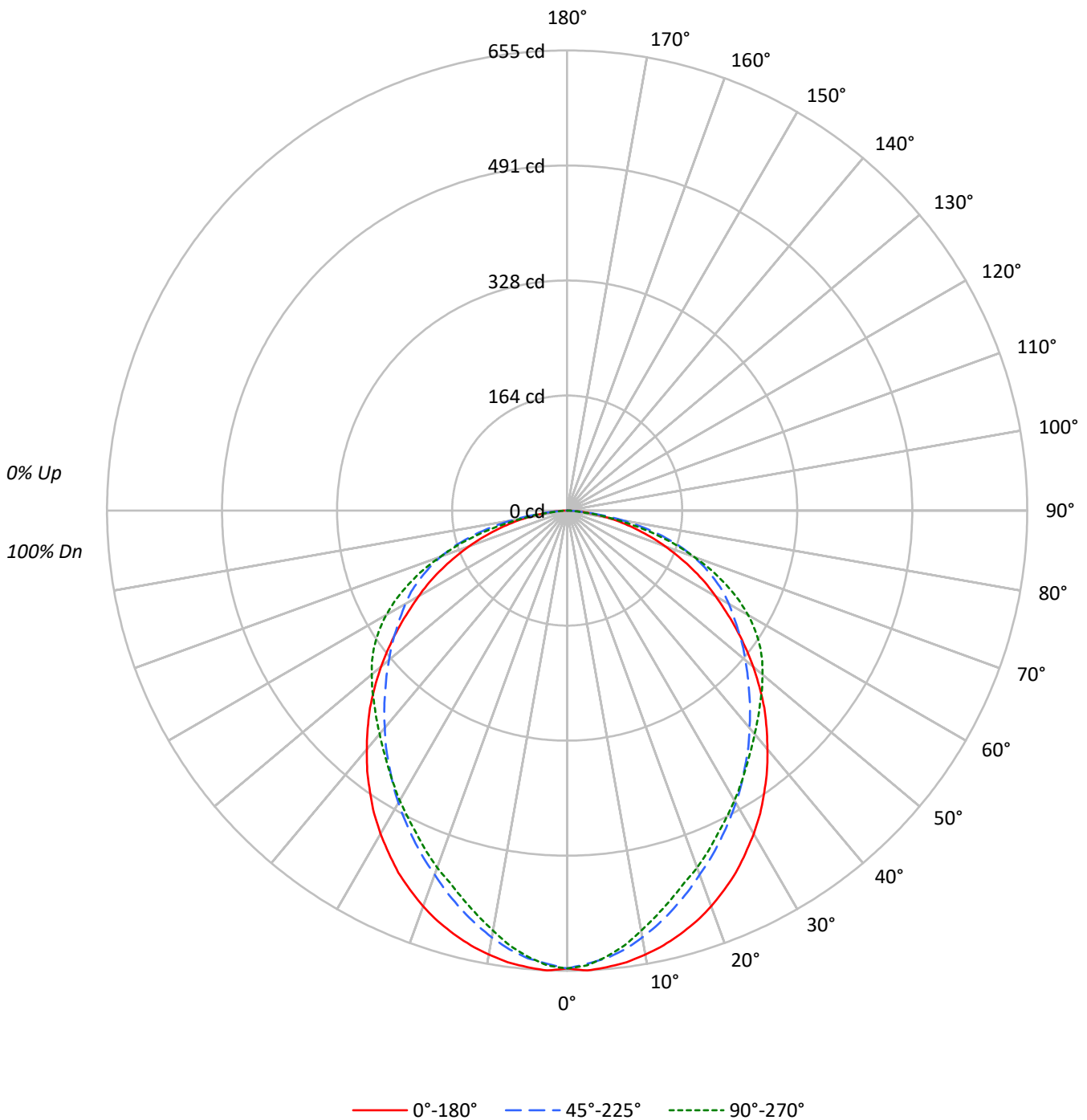
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1704.8 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 14.3
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

TEST NUMBER: P#
CATALOG NUMBER: 4RSRK-TB-50-HE-L935

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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83				83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69				69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58				58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49				49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43				43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37				37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33				33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30				30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27				27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1754	1754	1754
5°	1762	1728	1722
10°	1754	1686	1659
15°	1738	1633	1595
20°	1716	1579	1549
25°	1688	1534	1506
30°	1650	1493	1481
35°	1607	1452	1461
40°	1558	1419	1459
45°	1510	1395	1478
50°	1448	1385	1519
55°	1379	1394	1571
60°	1314	1430	1602
65°	1251	1474	1588
70°	1168	1506	1509
75°	1049	1462	1352
80°	917	1240	1004
85°	689	655	423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	3.6
10°-20°	167.1	9.8
20°-30°	243.1	14.3
30°-40°	284.4	16.7
40°-50°	292.3	17.1
50°-60°	271.9	16.0
60°-70°	221.2	13.0
70°-80°	134.0	7.9
80°-90°	30.0	1.8
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°	471.0	27.6
0°-40°	755.4	44.3
0°-60°	1319.7	77.4
0°-90°	1704.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1704.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	652	652	652	652	652	
5°	652	648	640	641	638	62
15°	624	610	586	578	572	176
25°	568	544	517	512	507	261
35°	489	463	442	445	445	306
45°	397	371	366	383	388	305
55°	294	278	297	328	335	263
65°	196	193	232	250	249	194
75°	101	120	141	134	130	108
85°	22	31	21	16	14	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	651.7	651.7	651.7	651.7	651.7
2.5°	655.2	652.1	645.7	649.4	647.9
5°	652.4	648.5	639.7	641.0	637.6
7.5°	648.3	642.7	630.0	627.5	624.5
10°	641.8	633.7	617.0	612.9	607.3
12.5°	633.9	623.4	602.4	595.1	589.9
15°	623.8	610.5	586.3	577.5	572.5
17.5°	612.9	596.4	569.5	560.5	555.4
20°	599.4	580.5	551.5	544.0	541.0
22.5°	584.3	562.7	534.8	528.1	524.7
25°	568.5	544.4	516.7	511.6	507.3
27.5°	549.8	525.3	498.5	494.9	491.8
30°	531.1	506.0	480.5	477.9	476.6
32.5°	511.4	484.1	461.6	461.2	460.5
35°	489.1	463.1	442.1	444.9	444.6
37.5°	467.4	440.8	423.6	428.5	429.6
40°	443.6	417.6	403.9	412.2	415.2
42.5°	420.2	395.3	385.4	396.8	401.7
45°	396.8	371.2	366.5	382.6	388.4
47.5°	371.2	348.3	348.7	369.3	376.2
50°	345.9	324.5	330.9	354.9	362.9
52.5°	319.7	301.3	314.8	341.0	350.0
55°	294.0	277.9	297.2	327.5	334.8
57.5°	268.2	255.4	281.1	310.1	317.4
60°	244.2	233.0	265.7	292.1	297.6
62.5°	221.2	212.2	250.4	272.3	275.1
65°	196.4	192.7	231.5	250.0	249.4
67.5°	171.9	172.7	212.2	224.3	223.2
70°	148.5	155.4	191.4	196.4	191.8
72.5°	124.5	137.3	167.2	166.7	162.2
75°	100.9	120.0	140.6	134.3	130.0
77.5°	80.5	101.3	111.6	103.0	96.1
80°	59.2	81.1	80.0	70.4	64.8
82.5°	38.8	56.4	49.6	39.9	37.3
85°	22.3	30.7	21.2	15.5	13.7
87.5°	9.4	8.2	5.4	4.9	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)