

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-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 (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-50-HE-L935
Description: 4ft RSRK, 500 LUMEN PER FOOT 90CRI 3500K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

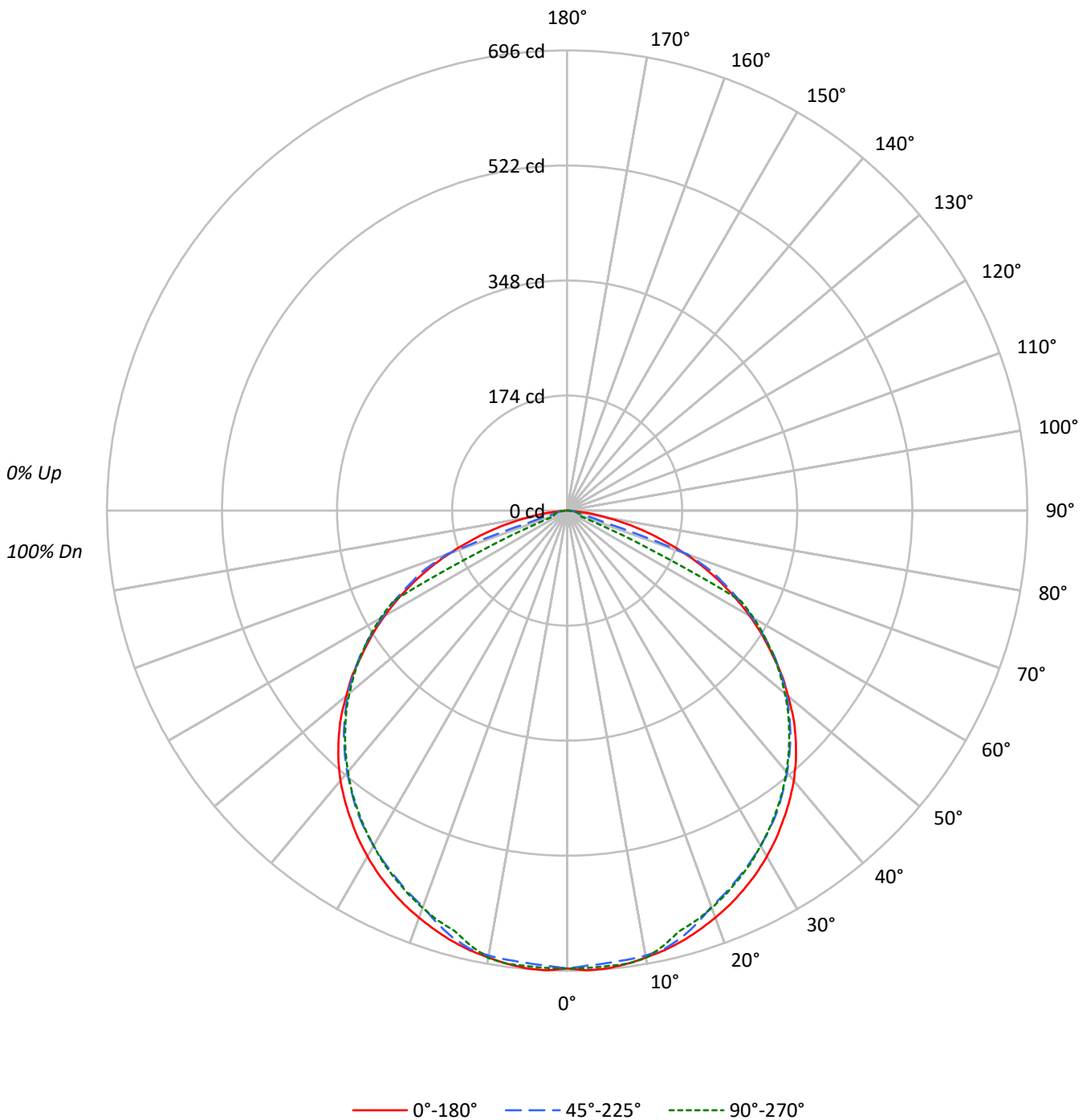
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1906.3 lumens
Efficiency: N/A
Efficacy: 133.3 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): 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-50-HE-L935

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-50-HE-L935

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°	1864	1864	1864
5°	1878	1856	1868
10°	1875	1868	1877
15°	1877	1863	1833
20°	1877	1826	1831
25°	1877	1820	1825
30°	1877	1819	1819
35°	1874	1822	1816
40°	1873	1817	1811
45°	1861	1818	1807
50°	1825	1814	1799
55°	1776	1793	1784
60°	1718	1737	1756
65°	1628	1672	884
70°	1489	1524	167
75°	1278	184	203
80°	959	232	232
85°	491	244	219



TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-50-HE-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	3.5
10°-20°	188.5	9.9
20°-30°	286.5	15.0
30°-40°	349.0	18.3
40°-50°	369.3	19.4
50°-60°	338.7	17.8
60°-70°	228.5	12.0
70°-80°	69.1	3.6
80°-90°	11.0	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°	540.8	28.4
0°-40°	889.7	46.7
0°-60°	1597.8	83.8
0°-90°	1906.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1906.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	692	692	692	692	692	
5°	695	690	687	693	692	66
15°	674	670	669	663	658	190
25°	632	631	613	619	615	292
35°	570	558	554	556	553	357
45°	489	478	478	478	475	377
55°	378	373	382	382	380	339
65°	256	252	263	266	139	252
75°	123	124	18	20	20	130
85°	16	8	8	7	7	24
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-50-HE-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	692.5	692.5	692.5	692.5	692.5
2.5°	696.0	690.7	688.9	693.4	692.5
5°	695.1	689.8	687.1	693.4	691.6
7.5°	691.6	686.3	685.4	692.5	691.6
10°	686.3	682.7	683.6	689.8	687.1
12.5°	681.0	677.4	679.2	677.4	673.9
15°	673.9	670.4	668.6	663.3	658.0
17.5°	665.1	663.3	654.4	652.7	650.0
20°	655.3	655.3	637.6	643.0	639.4
22.5°	644.7	644.7	626.1	631.4	627.9
25°	632.3	631.4	612.9	619.1	614.7
27.5°	619.1	614.7	599.6	604.9	601.4
30°	604.0	596.1	585.5	589.0	585.5
32.5°	588.1	576.6	570.4	573.1	569.5
35°	570.4	558.1	554.5	556.3	552.7
37.5°	552.7	539.5	535.9	538.6	535.0
40°	533.3	520.9	517.3	519.1	515.6
42.5°	512.1	501.5	497.9	498.8	496.1
45°	489.0	477.6	477.6	478.4	474.9
47.5°	464.3	454.6	455.5	456.3	453.7
50°	436.0	428.9	433.3	434.2	429.8
52.5°	409.5	402.4	407.7	409.5	405.9
55°	378.5	373.2	382.1	382.1	380.3
57.5°	349.3	344.0	352.9	356.4	353.8
60°	319.2	314.0	322.8	329.0	326.3
62.5°	287.4	283.0	293.6	301.6	296.3
65°	255.6	252.0	262.6	266.2	138.8
67.5°	222.9	220.2	232.6	84.0	22.1
70°	189.3	186.6	193.7	21.2	21.2
72.5°	154.8	155.7	61.9	20.4	20.4
75°	122.9	123.8	17.7	19.5	19.5
77.5°	91.1	92.8	16.8	17.7	17.7
80°	61.9	45.1	15.0	15.0	15.0
82.5°	37.1	10.6	11.5	11.5	10.6
85°	15.9	7.9	7.9	7.1	7.1
87.5°	5.3	3.5	3.5	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)