

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-L930**

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-L930
Description: 4ft RSRK, 500 LUMEN PER FOOT 90CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

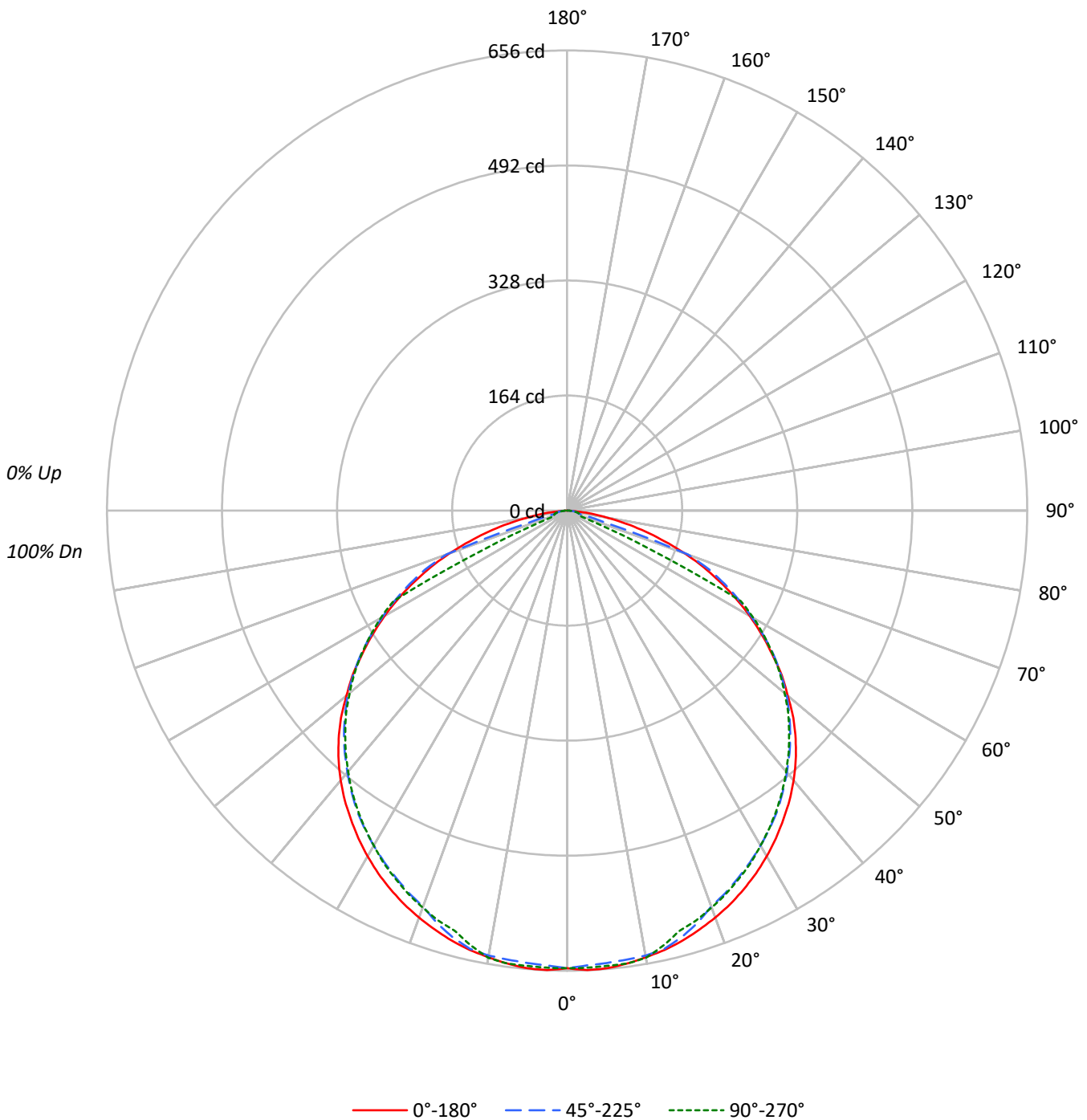
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1795.9 lumens
Efficiency: N/A
Efficacy: 125.6 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-L930

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°	1756	1756	1756
5°	1769	1749	1760
10°	1767	1760	1769
15°	1769	1755	1727
20°	1768	1720	1725
25°	1769	1714	1719
30°	1768	1714	1714
35°	1765	1716	1711
40°	1765	1712	1706
45°	1753	1712	1703
50°	1719	1709	1695
55°	1673	1688	1681
60°	1619	1637	1654
65°	1533	1575	833
70°	1403	1436	157
75°	1204	174	190
80°	903	220	220
85°	463	232	207



TEST NUMBER: P#

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	3.5
10°-20°	177.5	9.9
20°-30°	269.9	15.0
30°-40°	328.8	18.3
40°-50°	347.9	19.4
50°-60°	319.1	17.8
60°-70°	215.2	12.0
70°-80°	65.1	3.6
80°-90°	10.4	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°	509.4	28.4
0°-40°	838.2	46.7
0°-60°	1505.2	83.8
0°-90°	1795.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1795.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	652	652	652	652	652	
5°	655	650	647	653	652	62
15°	635	632	630	625	620	179
25°	596	595	577	583	579	275
35°	537	526	522	524	521	337
45°	461	450	450	451	447	355
55°	357	352	360	360	358	319
65°	241	237	247	251	131	238
75°	116	117	17	18	18	123
85°	15	8	8	7	7	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	652.4	652.4	652.4	652.4	652.4
2.5°	655.7	650.7	649.0	653.2	652.4
5°	654.9	649.9	647.4	653.2	651.5
7.5°	651.5	646.5	645.7	652.4	651.5
10°	646.5	643.2	644.0	649.9	647.4
12.5°	641.5	638.2	639.9	638.2	634.9
15°	634.9	631.5	629.9	624.9	619.9
17.5°	626.5	624.9	616.5	614.9	612.4
20°	617.4	617.4	600.7	605.7	602.4
22.5°	607.4	607.4	589.9	594.9	591.5
25°	595.7	594.9	577.4	583.2	579.1
27.5°	583.2	579.1	564.9	569.9	566.5
30°	569.1	561.5	551.5	554.9	551.5
32.5°	554.0	543.2	537.4	539.9	536.6
35°	537.4	525.7	522.4	524.0	520.7
37.5°	520.7	508.2	504.9	507.4	504.0
40°	502.4	490.7	487.4	489.1	485.7
42.5°	482.4	472.4	469.1	469.9	467.4
45°	460.7	449.9	449.9	450.7	447.4
47.5°	437.4	428.2	429.1	429.9	427.4
50°	410.7	404.1	408.2	409.1	404.9
52.5°	385.8	379.1	384.1	385.8	382.4
55°	356.6	351.6	359.9	359.9	358.3
57.5°	329.1	324.1	332.4	335.8	333.3
60°	300.8	295.8	304.1	309.9	307.4
62.5°	270.8	266.6	276.6	284.1	279.1
65°	240.8	237.4	247.4	250.8	130.8
67.5°	210.0	207.4	219.1	79.2	20.8
70°	178.3	175.8	182.5	20.0	20.0
72.5°	145.8	146.6	58.3	19.2	19.2
75°	115.8	116.6	16.7	18.3	18.3
77.5°	85.8	87.5	15.8	16.7	16.7
80°	58.3	42.5	14.2	14.2	14.2
82.5°	35.0	10.0	10.8	10.8	10.0
85°	15.0	7.5	7.5	6.7	6.7
87.5°	5.0	3.3	3.3	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)