

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: **8RSRK-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: 8RSRK-50-HE-L935
Description: 8ft RSRK, 500 LUMEN PER FOOT 90CRI 3500K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

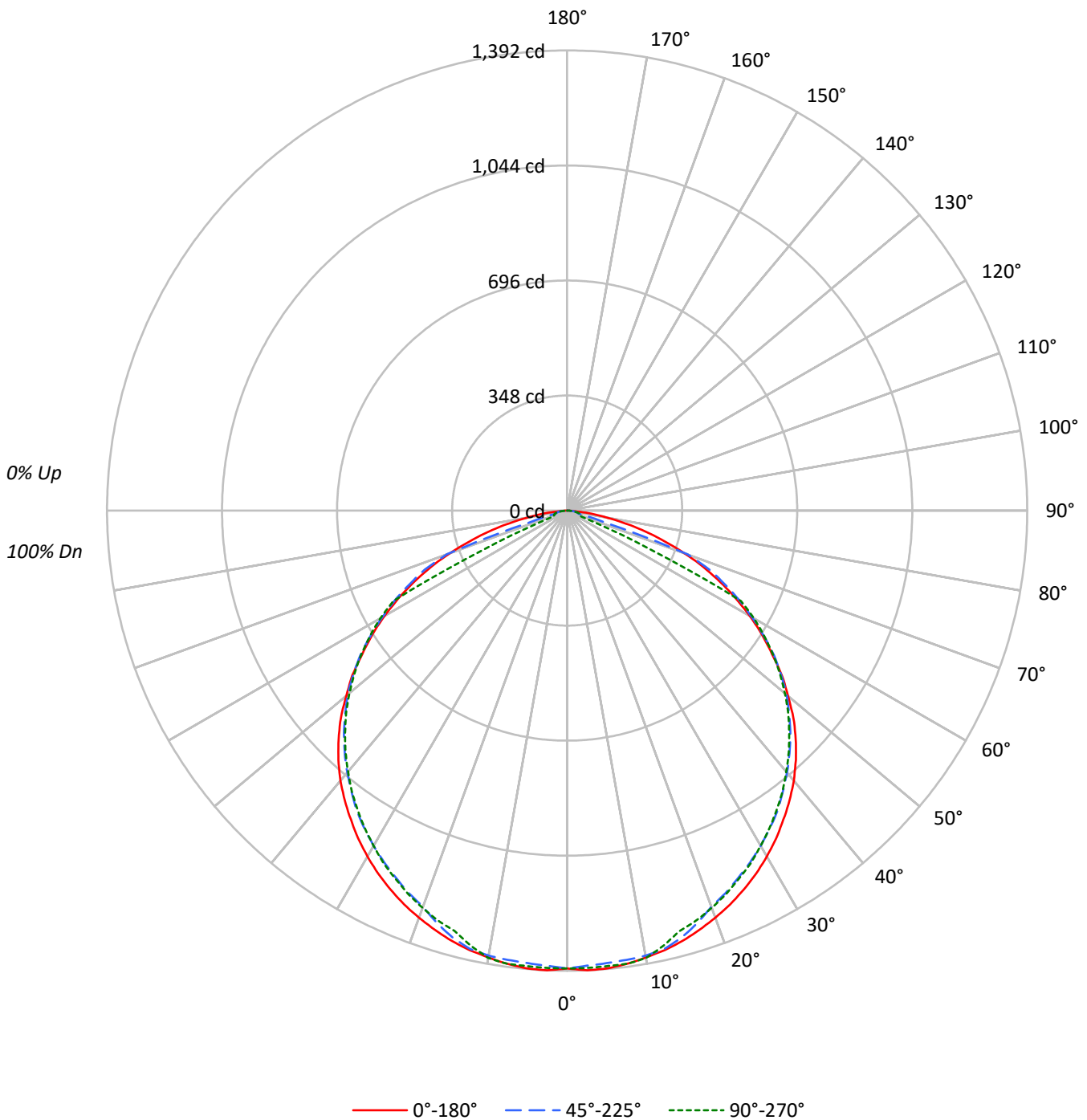
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3812.7 lumens
Efficiency: N/A
Efficacy: 266.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 8' 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

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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°	1864	1864	1864
5°	1878	1856	1868
10°	1875	1868	1878
15°	1877	1863	1833
20°	1877	1826	1831
25°	1878	1820	1825
30°	1877	1819	1819
35°	1874	1822	1816
40°	1873	1817	1811
45°	1861	1817	1807
50°	1825	1814	1799
55°	1776	1792	1784
60°	1718	1737	1756
65°	1627	1672	884
70°	1489	1524	167
75°	1278	184	202
80°	959	232	232
85°	491	245	219



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.6	3.5
10°-20°	376.9	9.9
20°-30°	573.0	15.0
30°-40°	698.0	18.3
40°-50°	738.6	19.4
50°-60°	677.5	17.8
60°-70°	457.0	12.0
70°-80°	138.1	3.6
80°-90°	22.1	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°	1081.5	28.4
0°-40°	1779.5	46.7
0°-60°	3195.5	83.8
0°-90°	3812.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3812.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1385	1385	1385	1385	1385	
5°	1390	1380	1374	1387	1383	132
15°	1348	1341	1337	1327	1316	380
25°	1265	1263	1226	1238	1229	583
35°	1141	1116	1109	1112	1105	714
45°	978	955	955	957	950	753
55°	757	746	764	764	761	678
65°	511	504	525	532	278	505
75°	246	248	35	39	39	261
85°	32	16	16	14	14	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1385.0	1385.0	1385.0	1385.0	1385.0
2.5°	1392.0	1381.4	1377.9	1386.7	1385.0
5°	1390.2	1379.6	1374.3	1386.7	1383.2
7.5°	1383.2	1372.6	1370.8	1385.0	1383.2
10°	1372.6	1365.5	1367.2	1379.6	1374.3
12.5°	1361.9	1354.9	1358.4	1354.9	1347.8
15°	1347.8	1340.7	1337.2	1326.6	1316.0
17.5°	1330.1	1326.6	1308.9	1305.3	1300.1
20°	1310.6	1310.6	1275.2	1285.9	1278.8
22.5°	1289.4	1289.4	1252.3	1262.9	1255.8
25°	1264.7	1262.9	1225.7	1238.1	1229.3
27.5°	1238.1	1229.3	1199.2	1209.8	1202.8
30°	1208.1	1192.1	1170.9	1178.0	1170.9
32.5°	1176.2	1153.2	1140.8	1146.2	1139.1
35°	1140.8	1116.1	1109.0	1112.5	1105.4
37.5°	1105.4	1078.9	1071.9	1077.1	1070.1
40°	1066.6	1041.8	1034.7	1038.3	1031.2
42.5°	1024.1	1002.9	995.8	997.6	992.2
45°	978.1	955.1	955.1	956.9	949.8
47.5°	928.6	909.1	910.9	912.7	907.3
50°	872.0	857.8	866.7	868.5	859.6
52.5°	819.0	804.8	815.4	819.0	811.9
55°	757.0	746.4	764.1	764.1	760.6
57.5°	698.7	688.0	705.8	712.8	707.5
60°	638.5	627.9	645.6	658.0	652.6
62.5°	574.8	566.0	587.2	603.1	592.6
65°	511.1	504.1	525.3	532.4	277.7
67.5°	445.7	440.4	465.2	168.1	44.2
70°	378.5	373.2	387.4	42.5	42.5
72.5°	309.6	311.3	123.8	40.7	40.7
75°	245.9	247.6	35.4	38.9	38.9
77.5°	182.2	185.7	33.6	35.4	35.4
80°	123.8	90.2	30.0	30.0	30.0
82.5°	74.3	21.2	23.0	23.0	21.2
85°	31.8	15.9	15.9	14.2	14.2
87.5°	10.6	7.1	7.1	5.3	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)