

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-L950**

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-L950
Description: 8ft RSRK, 500 LUMEN PER FOOT 90CRI 5000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

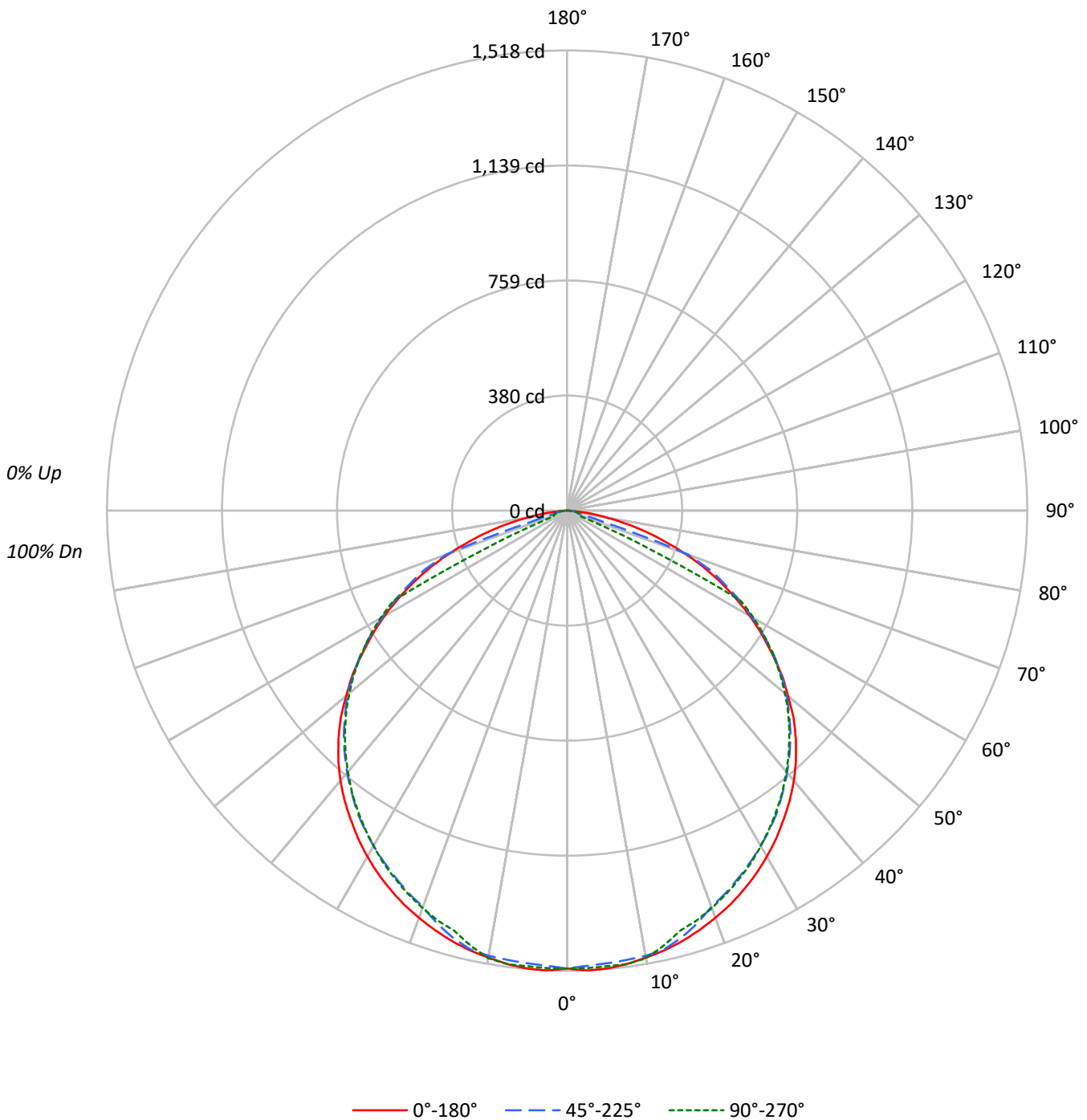
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4158.9 lumens
Efficiency: N/A
Efficacy: 290.8 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°	2033	2033	2033
5°	2048	2025	2038
10°	2046	2038	2048
15°	2048	2032	1999
20°	2047	1992	1997
25°	2048	1985	1991
30°	2047	1984	1984
35°	2044	1987	1981
40°	2043	1982	1976
45°	2030	1983	1971
50°	1991	1979	1963
55°	1937	1955	1946
60°	1874	1895	1916
65°	1775	1824	964
70°	1624	1662	182
75°	1394	201	220
80°	1047	254	254
85°	536	267	238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.5	3.5
10°-20°	411.2	9.9
20°-30°	625.0	15.0
30°-40°	761.4	18.3
40°-50°	805.7	19.4
50°-60°	739.0	17.8
60°-70°	498.4	12.0
70°-80°	150.7	3.6
80°-90°	24.1	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°	1179.7	28.4
0°-40°	1941.1	46.7
0°-60°	3485.7	83.8
0°-90°	4158.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4158.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1511	1511	1511	1511	1511	
5°	1516	1505	1499	1513	1509	144
15°	1470	1462	1459	1447	1435	415
25°	1380	1378	1337	1351	1341	636
35°	1244	1218	1210	1214	1206	779
45°	1067	1042	1042	1044	1036	821
55°	826	814	834	834	830	739
65°	558	550	573	581	303	550
75°	268	270	39	42	42	284
85°	35	17	17	15	15	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1510.7	1510.7	1510.7	1510.7	1510.7
2.5°	1518.4	1506.8	1503.0	1512.6	1510.7
5°	1516.5	1504.9	1499.1	1512.6	1508.8
7.5°	1508.8	1497.2	1495.3	1510.7	1508.8
10°	1497.2	1489.5	1491.4	1504.9	1499.1
12.5°	1485.6	1477.9	1481.8	1477.9	1470.2
15°	1470.2	1462.5	1458.6	1447.0	1435.4
17.5°	1450.9	1447.0	1427.7	1423.9	1418.1
20°	1429.6	1429.6	1391.1	1402.7	1395.0
22.5°	1406.5	1406.5	1366.0	1377.6	1369.9
25°	1379.5	1377.6	1337.0	1350.6	1340.9
27.5°	1350.6	1340.9	1308.1	1319.7	1312.0
30°	1317.8	1300.4	1277.2	1285.0	1277.2
32.5°	1283.0	1257.9	1244.4	1250.2	1242.5
35°	1244.4	1217.5	1209.7	1213.5	1205.8
37.5°	1205.8	1176.9	1169.2	1175.0	1167.2
40°	1163.4	1136.4	1128.7	1132.6	1124.8
42.5°	1117.1	1094.0	1086.3	1088.2	1082.4
45°	1066.9	1041.9	1041.9	1043.8	1036.0
47.5°	1012.9	991.7	993.6	995.6	989.7
50°	951.2	935.7	945.4	947.3	937.7
52.5°	893.3	877.9	889.4	893.3	885.6
55°	825.8	814.2	833.5	833.5	829.6
57.5°	762.1	750.5	769.8	777.6	771.7
60°	696.5	684.9	704.2	717.7	711.9
62.5°	627.0	617.4	640.5	657.9	646.4
65°	557.6	549.8	573.0	580.7	302.9
67.5°	486.2	480.4	507.4	183.3	48.2
70°	412.9	407.1	422.6	46.3	46.3
72.5°	337.7	339.6	135.1	44.4	44.4
75°	268.2	270.1	38.6	42.4	42.4
77.5°	198.7	202.6	36.7	38.6	38.6
80°	135.1	98.4	32.8	32.8	32.8
82.5°	81.0	23.2	25.1	25.1	23.2
85°	34.7	17.3	17.3	15.4	15.4
87.5°	11.6	7.7	7.7	5.8	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)