

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-TB-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 (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-TB-50-HE-L950
Description: 8ft RSRK, 500 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

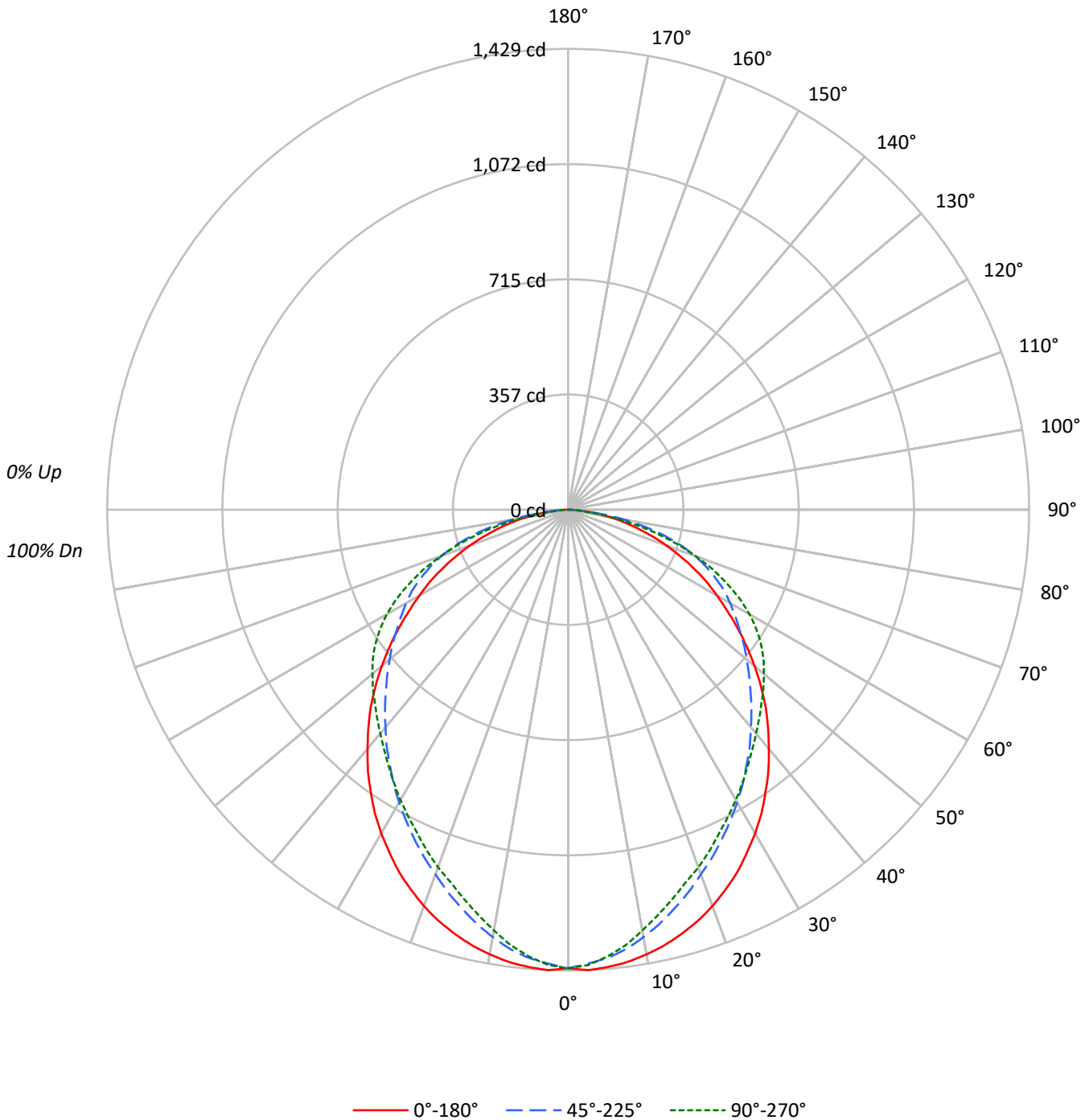
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3719.3 lumens
Efficiency: N/A
Efficacy: 260.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1913	1913	1913
5°	1922	1885	1879
10°	1913	1839	1810
15°	1896	1782	1740
20°	1872	1723	1690
25°	1841	1674	1643
30°	1800	1629	1615
35°	1752	1584	1593
40°	1700	1548	1591
45°	1647	1521	1612
50°	1580	1511	1657
55°	1505	1521	1713
60°	1434	1560	1747
65°	1364	1608	1732
70°	1275	1643	1646
75°	1144	1594	1475
80°	1001	1353	1096
85°	752	715	463



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.5	3.6
10°-20°	364.6	9.8
20°-30°	530.4	14.3
30°-40°	620.4	16.7
40°-50°	637.7	17.1
50°-60°	593.3	16.0
60°-70°	482.6	13.0
70°-80°	292.3	7.9
80°-90°	65.5	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°	1027.6	27.6
0°-40°	1648.0	44.3
0°-60°	2879.0	77.4
0°-90°	3719.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3719.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1422	1422	1422	1422	1422	
5°	1423	1415	1396	1398	1391	135
15°	1361	1332	1279	1260	1249	384
25°	1240	1188	1127	1116	1107	570
35°	1067	1010	964	970	970	668
45°	866	810	800	835	847	666
55°	641	606	648	714	730	574
65°	428	420	505	545	544	424
75°	220	262	307	293	284	236
85°	49	67	46	34	30	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1421.8	1421.8	1421.8	1421.8	1421.8
2.5°	1429.3	1422.7	1408.7	1416.7	1413.4
5°	1423.2	1414.8	1395.6	1398.4	1390.9
7.5°	1414.3	1402.1	1374.5	1368.9	1362.3
10°	1400.3	1382.5	1346.0	1337.1	1324.9
12.5°	1382.9	1360.0	1314.1	1298.2	1287.0
15°	1360.9	1331.9	1279.0	1259.8	1249.1
17.5°	1337.1	1301.0	1242.5	1222.8	1211.6
20°	1307.6	1266.4	1203.2	1186.8	1180.2
22.5°	1274.8	1227.5	1166.7	1152.1	1144.7
25°	1240.2	1187.7	1127.3	1116.1	1106.7
27.5°	1199.4	1146.1	1087.5	1079.6	1073.0
30°	1158.7	1103.9	1048.2	1042.6	1039.8
32.5°	1115.6	1056.2	1007.0	1006.1	1004.7
35°	1066.9	1010.3	964.4	970.5	970.0
37.5°	1019.7	961.6	924.1	934.9	937.3
40°	967.7	911.0	881.1	899.3	905.9
42.5°	916.7	862.4	840.8	865.6	876.4
45°	865.6	809.9	799.6	834.7	847.4
47.5°	809.9	759.8	760.8	805.7	820.7
50°	754.7	707.9	721.9	774.3	791.7
52.5°	697.6	657.3	686.8	743.9	763.6
55°	641.4	606.3	648.4	714.4	730.3
57.5°	585.2	557.1	613.3	676.5	692.4
60°	532.8	508.4	579.6	637.2	649.3
62.5°	482.7	463.0	546.3	594.1	600.2
65°	428.4	420.4	505.1	545.4	544.0
67.5°	375.0	376.9	463.0	489.2	486.9
70°	324.0	338.9	417.6	428.4	418.5
72.5°	271.5	299.6	364.7	363.8	353.9
75°	220.0	261.7	306.6	293.1	283.7
77.5°	175.6	221.0	243.4	224.7	209.7
80°	129.2	177.0	174.6	153.6	141.4
82.5°	84.7	123.1	108.1	87.1	81.5
85°	48.7	66.9	46.3	33.7	30.0
87.5°	20.6	17.8	11.7	10.8	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)