

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-TS-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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-TS-50-HE-L950
Description: 4ft RSRK, 500 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

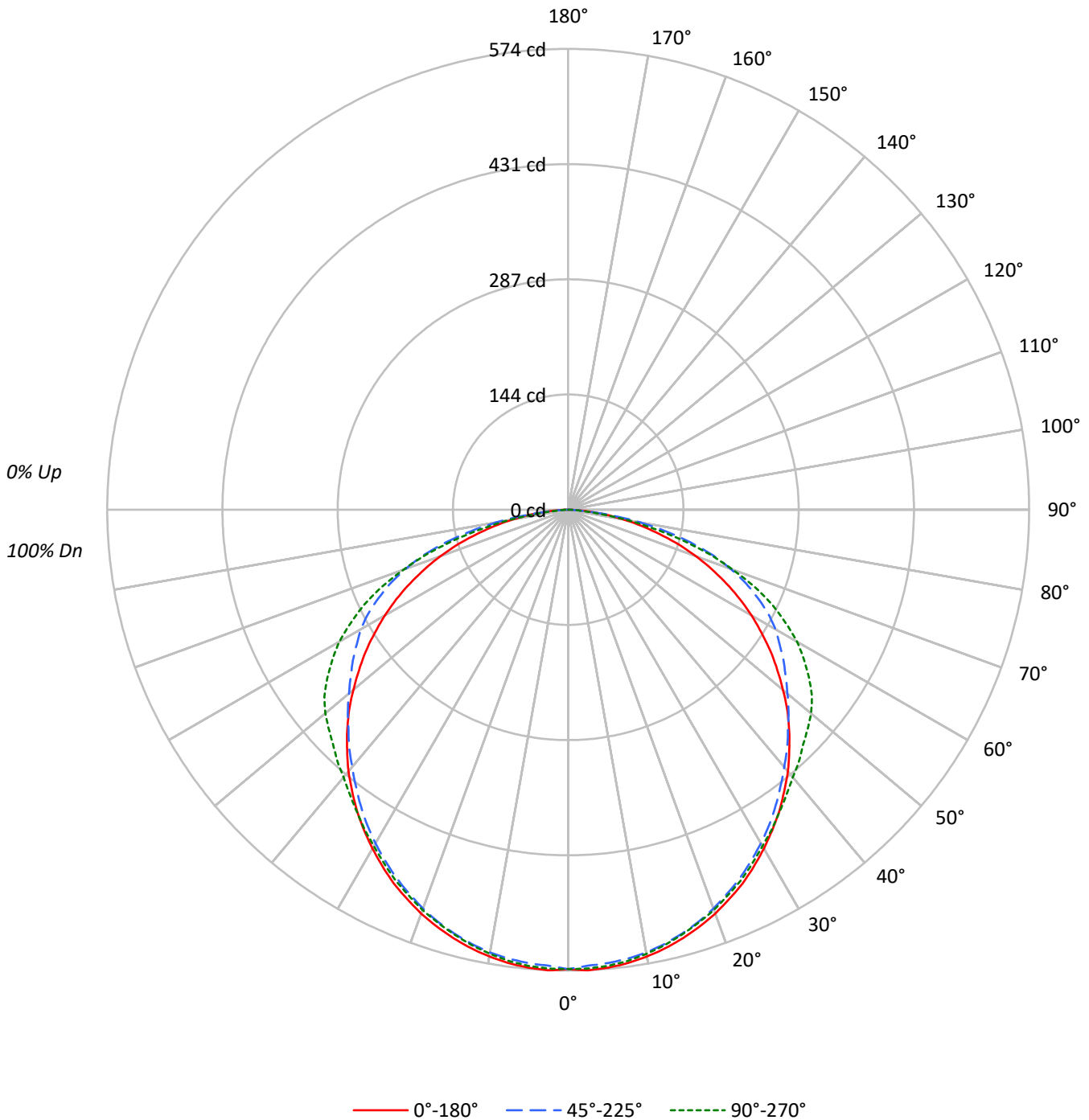
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1761.5 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
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

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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	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1540	1540	1540
5°	1546	1531	1541
10°	1544	1530	1535
15°	1539	1524	1526
20°	1533	1514	1519
25°	1526	1503	1512
30°	1514	1491	1504
35°	1506	1479	1508
40°	1495	1470	1528
45°	1481	1473	1575
50°	1462	1492	1652
55°	1444	1535	1719
60°	1419	1604	1772
65°	1384	1659	1786
70°	1330	1695	1717
75°	1226	1640	1534
80°	1086	1410	1176
85°	781	713	466



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.2	3.1
10°-20°	155.1	8.8
20°-30°	234.8	13.3
30°-40°	284.8	16.2
40°-50°	304.6	17.3
50°-60°	295.3	16.8
60°-70°	247.3	14.0
70°-80°	151.9	8.6
80°-90°	33.6	1.9
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°	444.0	25.2
0°-40°	728.8	41.4
0°-60°	1328.7	75.4
0°-90°	1761.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1761.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	572	572	572	572	572	
5°	572	571	567	571	570	54
15°	552	551	547	549	548	156
25°	514	511	506	510	509	237
35°	458	452	450	458	459	287
45°	389	381	387	407	414	300
55°	308	299	327	360	366	275
65°	217	216	260	278	280	215
75°	118	138	158	151	148	125
85°	25	34	23	16	15	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	572.2	572.2	572.2	572.2	572.2
2.5°	574.3	572.8	568.5	572.2	571.9
5°	572.5	571.2	566.9	570.6	570.3
7.5°	569.7	568.5	564.1	567.8	566.9
10°	565.1	564.1	560.1	562.9	561.7
12.5°	559.5	558.6	554.0	557.0	555.5
15°	552.4	551.2	546.9	549.3	547.8
17.5°	544.4	542.8	538.5	541.0	539.4
20°	535.4	533.3	528.6	532.0	530.5
22.5°	524.6	523.1	517.5	521.2	519.7
25°	513.8	510.7	506.1	509.5	509.2
27.5°	500.9	497.8	493.2	497.2	496.6
30°	487.3	483.9	479.9	483.9	483.9
32.5°	473.1	468.8	465.7	470.3	471.9
35°	458.3	452.4	450.3	458.0	458.9
37.5°	441.9	436.1	434.2	444.4	446.9
40°	425.6	418.2	418.5	431.4	435.1
42.5°	407.4	400.0	403.4	418.5	425.3
45°	389.2	380.8	387.0	406.7	413.8
47.5°	370.0	362.0	372.2	395.3	404.3
50°	349.3	341.3	356.4	384.5	394.7
52.5°	328.4	320.0	341.3	373.4	382.7
55°	307.7	299.4	327.1	359.5	366.3
57.5°	285.5	278.4	312.3	341.3	348.1
60°	263.6	257.4	298.1	322.8	329.3
62.5°	241.0	236.4	280.8	301.5	305.2
65°	217.3	216.0	260.5	278.1	280.5
67.5°	193.5	196.6	239.5	250.9	251.2
70°	169.1	177.4	215.4	220.3	218.2
72.5°	144.4	158.9	188.9	186.4	184.5
75°	117.9	137.6	157.7	150.9	147.5
77.5°	93.8	116.0	124.4	114.8	109.6
80°	70.1	91.7	91.0	78.7	75.9
82.5°	47.2	63.9	54.6	44.4	38.9
85°	25.3	33.9	23.1	16.0	15.1
87.5°	9.6	8.0	6.2	5.6	5.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)