

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-TB-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 (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-TB-50-HE-L930
Description: 4ft RSRK, 500 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

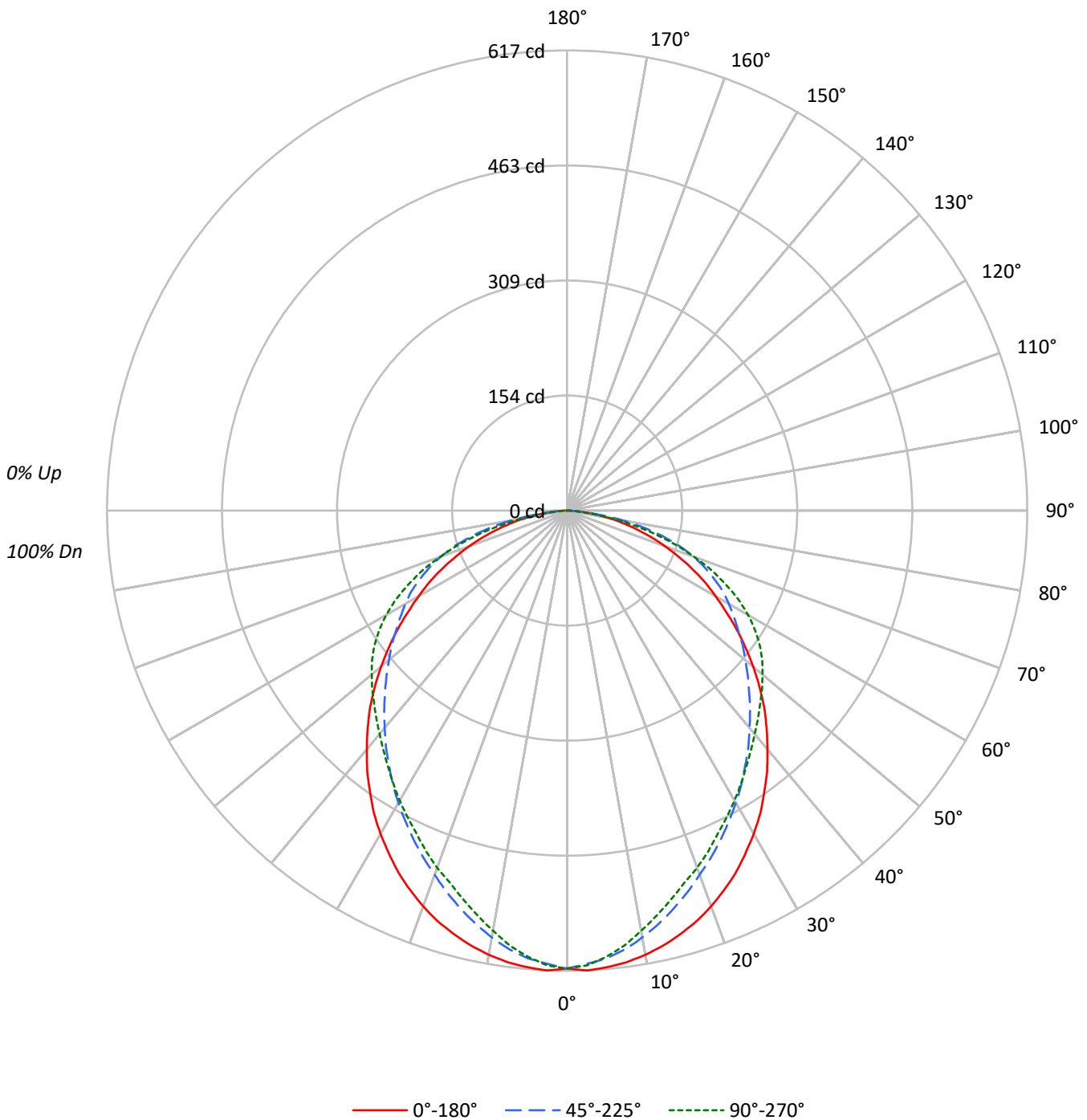
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1606.1 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
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	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					100			
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30					30			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27					27			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1652	1652	1652
5°	1660	1628	1622
10°	1652	1588	1563
15°	1637	1539	1503
20°	1617	1488	1460
25°	1590	1445	1419
30°	1555	1406	1395
35°	1513	1368	1376
40°	1468	1337	1374
45°	1423	1314	1392
50°	1364	1305	1431
55°	1300	1314	1480
60°	1238	1347	1509
65°	1178	1389	1496
70°	1101	1419	1422
75°	988	1377	1274
80°	865	1168	947
85°	648	618	398



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	3.6
10°-20°	157.5	9.8
20°-30°	229.1	14.3
30°-40°	267.9	16.7
40°-50°	275.4	17.1
50°-60°	256.2	16.0
60°-70°	208.4	13.0
70°-80°	126.2	7.9
80°-90°	28.3	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°	443.7	27.6
0°-40°	711.6	44.3
0°-60°	1243.2	77.4
0°-90°	1606.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1606.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	614	614	614	614	614	
5°	615	611	603	604	601	58
15°	588	575	552	544	539	166
25°	536	513	487	482	478	246
35°	461	436	416	419	419	288
45°	374	350	345	360	366	288
55°	277	262	280	308	315	248
65°	185	182	218	236	235	183
75°	95	113	132	127	122	102
85°	21	29	20	15	13	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	614.0	614.0	614.0	614.0	614.0
2.5°	617.2	614.4	608.3	611.8	610.3
5°	614.6	610.9	602.7	603.9	600.6
7.5°	610.7	605.5	593.6	591.1	588.3
10°	604.7	597.0	581.2	577.4	572.1
12.5°	597.2	587.3	567.5	560.6	555.8
15°	587.7	575.2	552.3	544.0	539.4
17.5°	577.4	561.8	536.5	528.1	523.2
20°	564.6	546.9	519.6	512.5	509.7
22.5°	550.5	530.1	503.8	497.5	494.3
25°	535.5	512.9	486.8	482.0	477.9
27.5°	517.9	494.9	469.6	466.2	463.4
30°	500.4	476.7	452.6	450.2	449.0
32.5°	481.8	456.1	434.9	434.5	433.8
35°	460.7	436.3	416.5	419.1	418.9
37.5°	440.3	415.2	399.1	403.7	404.7
40°	417.9	393.4	380.5	388.4	391.2
42.5°	395.8	372.4	363.1	373.8	378.5
45°	373.8	349.7	345.3	360.5	365.9
47.5°	349.7	328.1	328.5	347.9	354.4
50°	325.9	305.7	311.7	334.4	341.9
52.5°	301.2	283.8	296.6	321.2	329.7
55°	277.0	261.8	280.0	308.5	315.4
57.5°	252.7	240.6	264.8	292.1	299.0
60°	230.1	219.6	250.3	275.1	280.4
62.5°	208.4	199.9	235.9	256.5	259.2
65°	185.0	181.5	218.1	235.5	234.9
67.5°	161.9	162.7	199.9	211.3	210.3
70°	139.9	146.4	180.3	185.0	180.7
72.5°	117.3	129.4	157.5	157.1	152.8
75°	95.0	113.0	132.4	126.6	122.5
77.5°	75.8	95.4	105.1	97.0	90.6
80°	55.8	76.4	75.4	66.3	61.1
82.5°	36.6	53.2	46.7	37.6	35.2
85°	21.0	28.9	20.0	14.6	12.9
87.5°	8.9	7.7	5.1	4.6	4.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)