

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-65-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-65-HE-L930
Description: 4ft RSRK, 650 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

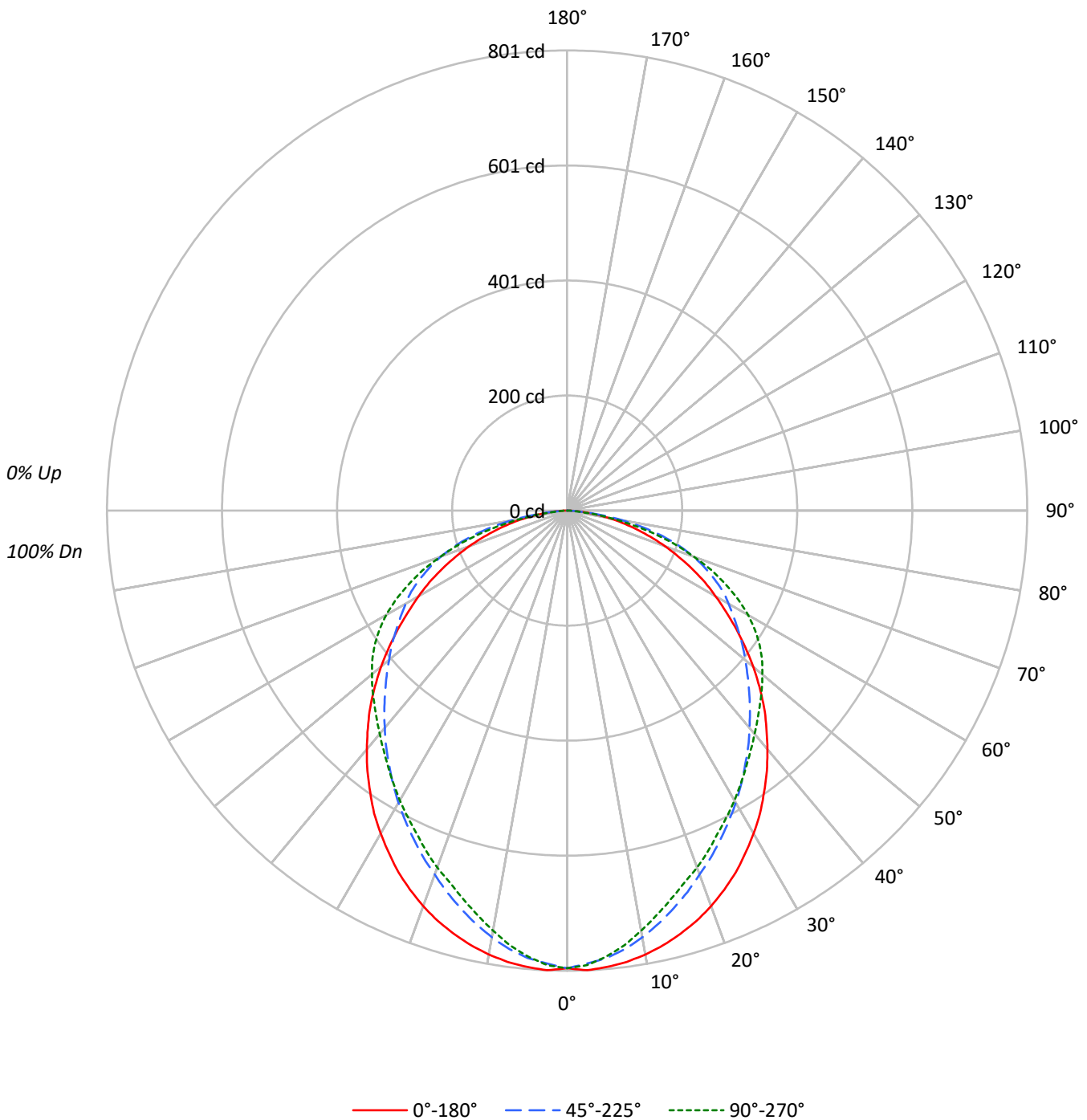
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2083.9 lumens
Efficiency: N/A
Efficacy: 110.3 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): 18.9
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°	2144	2144	2144
5°	2154	2112	2105
10°	2144	2061	2028
15°	2124	1996	1950
20°	2098	1930	1894
25°	2063	1875	1841
30°	2017	1825	1810
35°	1964	1775	1785
40°	1905	1734	1783
45°	1846	1705	1807
50°	1770	1693	1857
55°	1686	1704	1920
60°	1607	1748	1958
65°	1528	1802	1941
70°	1428	1841	1845
75°	1282	1786	1653
80°	1122	1516	1227
85°	843	803	519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	3.6
10°-20°	204.3	9.8
20°-30°	297.2	14.3
30°-40°	347.6	16.7
40°-50°	357.3	17.1
50°-60°	332.4	16.0
60°-70°	270.4	13.0
70°-80°	163.8	7.9
80°-90°	36.7	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°	575.7	27.6
0°-40°	923.3	44.3
0°-60°	1613.0	77.4
0°-90°	2083.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2083.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	797	797	797	797	797	
5°	797	793	782	784	779	76
15°	762	746	717	706	700	215
25°	695	666	632	625	620	320
35°	598	566	540	544	544	374
45°	485	454	448	468	475	373
55°	359	340	363	400	409	322
65°	240	236	283	306	305	238
75°	123	147	172	164	159	132
85°	27	38	26	19	17	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	796.6	796.6	796.6	796.6	796.6
2.5°	800.8	797.1	789.3	793.7	791.9
5°	797.4	792.7	781.9	783.5	779.3
7.5°	792.4	785.6	770.1	767.0	763.3
10°	784.6	774.6	754.1	749.1	742.3
12.5°	774.8	762.0	736.3	727.4	721.1
15°	762.5	746.3	716.6	705.9	699.8
17.5°	749.1	728.9	696.2	685.1	678.8
20°	732.6	709.5	674.1	664.9	661.3
22.5°	714.3	687.8	653.7	645.5	641.3
25°	694.8	665.5	631.6	625.3	620.1
27.5°	672.0	642.1	609.3	604.9	601.2
30°	649.2	618.5	587.3	584.2	582.6
32.5°	625.1	591.8	564.2	563.7	562.9
35°	597.8	566.1	540.3	543.8	543.5
37.5°	571.3	538.8	517.8	523.8	525.1
40°	542.2	510.4	493.7	503.9	507.6
42.5°	513.6	483.2	471.1	485.0	491.0
45°	485.0	453.8	448.0	467.7	474.8
47.5°	453.8	425.7	426.2	451.4	459.8
50°	422.8	396.6	404.5	433.9	443.6
52.5°	390.8	368.3	384.8	416.8	427.8
55°	359.4	339.7	363.3	400.3	409.2
57.5°	327.9	312.1	343.6	379.0	387.9
60°	298.5	284.9	324.7	357.0	363.8
62.5°	270.4	259.4	306.1	332.9	336.3
65°	240.0	235.5	283.0	305.6	304.8
67.5°	210.1	211.2	259.4	274.1	272.8
70°	181.5	189.9	234.0	240.0	234.5
72.5°	152.1	167.9	204.3	203.8	198.3
75°	123.3	146.6	171.8	164.2	159.0
77.5°	98.4	123.8	136.4	125.9	117.5
80°	72.4	99.2	97.8	86.0	79.2
82.5°	47.5	69.0	60.6	48.8	45.6
85°	27.3	37.5	26.0	18.9	16.8
87.5°	11.5	10.0	6.6	6.0	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)