

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-100-HE-L930**

Issue Date: 3/3/2020



**Test Information**

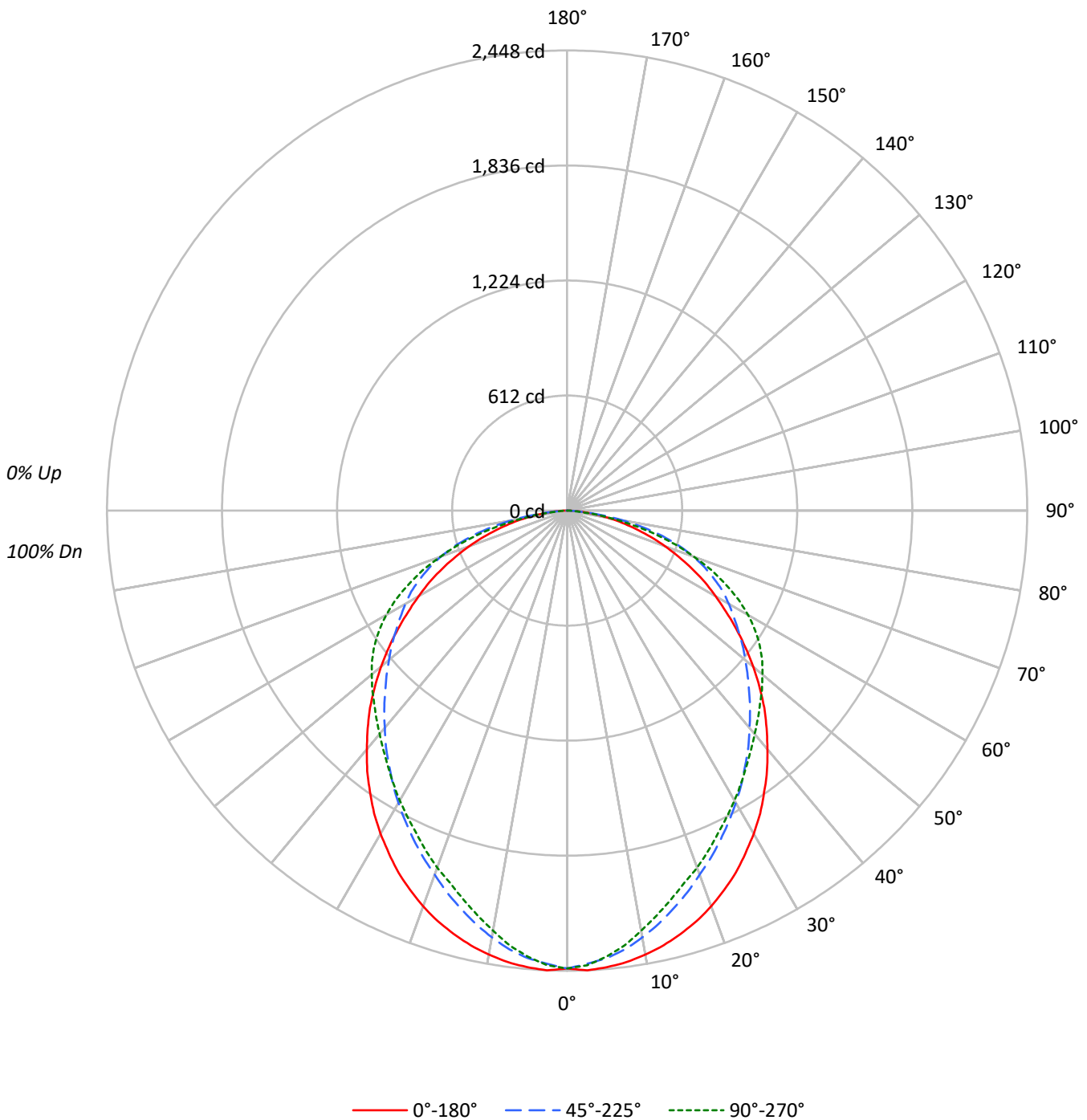
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TB-100-HE-L930  
Description: 8ft RSRK, 1000 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6371.5 lumens  
Efficiency: N/A  
Efficacy: 221.2 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): 28.8  
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°	3277	3277	3277
5°	3293	3229	3218
10°	3277	3150	3101
15°	3248	3052	2981
20°	3207	2951	2895
25°	3154	2867	2815
30°	3084	2790	2767
35°	3002	2714	2729
40°	2912	2651	2726
45°	2822	2606	2762
50°	2706	2589	2839
55°	2577	2606	2935
60°	2456	2672	2993
65°	2336	2755	2967
70°	2183	2814	2821
75°	1959	2731	2527
80°	1715	2318	1877
85°	1288	1226	792



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.0	3.6
10°-20°	624.6	9.8
20°-30°	908.7	14.3
30°-40°	1062.8	16.7
40°-50°	1092.4	17.1
50°-60°	1016.3	16.0
60°-70°	826.7	13.0
70°-80°	500.7	7.9
80°-90°	112.2	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°	1760.3	27.6
0°-40°	2823.1	44.3
0°-60°	4931.9	77.4
0°-90°	6371.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6371.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2436	2436	2436	2436	2436	
5°	2438	2424	2391	2396	2383	231
15°	2331	2282	2191	2158	2140	658
25°	2124	2035	1931	1912	1896	977
35°	1828	1731	1652	1662	1662	1144
45°	1483	1388	1370	1430	1452	1142
55°	1099	1039	1111	1224	1251	983
65°	734	720	865	934	932	727
75°	377	448	525	502	486	404
85°	83	115	79	58	51	102
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2448.5	2437.3	2413.2	2426.8	2421.2
5°	2438.1	2423.6	2390.8	2395.6	2382.7
7.5°	2422.8	2402.0	2354.7	2345.0	2333.8
10°	2398.8	2368.3	2305.7	2290.5	2269.7
12.5°	2369.1	2329.8	2251.2	2223.9	2204.7
15°	2331.4	2281.7	2191.1	2158.2	2139.7
17.5°	2290.5	2228.8	2128.5	2094.8	2075.6
20°	2240.0	2169.4	2061.1	2033.1	2021.8
22.5°	2183.8	2102.8	1998.6	1973.7	1960.9
25°	2124.5	2034.7	1931.2	1912.0	1895.9
27.5°	2054.7	1963.3	1863.0	1849.4	1838.2
30°	1984.9	1891.1	1795.7	1786.0	1781.2
32.5°	1911.2	1809.3	1725.1	1723.5	1721.1
35°	1827.8	1730.7	1652.1	1662.5	1661.7
37.5°	1746.8	1647.3	1583.1	1601.6	1605.6
40°	1657.7	1560.7	1509.4	1540.6	1551.9
42.5°	1570.3	1477.3	1440.4	1482.9	1501.3
45°	1482.9	1387.5	1369.8	1430.0	1451.6
47.5°	1387.5	1301.6	1303.2	1380.2	1405.9
50°	1292.8	1212.6	1236.7	1326.5	1356.2
52.5°	1195.0	1126.0	1176.5	1274.4	1308.1
55°	1098.7	1038.6	1110.8	1223.8	1251.1
57.5°	1002.5	954.4	1050.6	1158.9	1186.2
60°	912.7	871.0	992.9	1091.5	1112.4
62.5°	826.9	793.2	935.9	1017.7	1028.2
65°	733.8	720.2	865.4	934.3	931.9
67.5°	642.4	645.6	793.2	838.1	834.1
70°	555.0	580.6	715.4	733.8	717.0
72.5°	465.2	513.3	624.8	623.2	606.3
75°	376.9	448.3	525.3	502.1	486.0
77.5°	300.7	378.5	417.0	385.0	359.3
80°	221.4	303.2	299.1	263.1	242.2
82.5°	145.2	210.9	185.3	149.2	139.5
85°	83.4	114.7	79.4	57.7	51.3
87.5°	35.3	30.5	20.0	18.4	16.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)