

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-TS-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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-TS-100-HE-L930
Description: 8ft RSRK, 1000 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

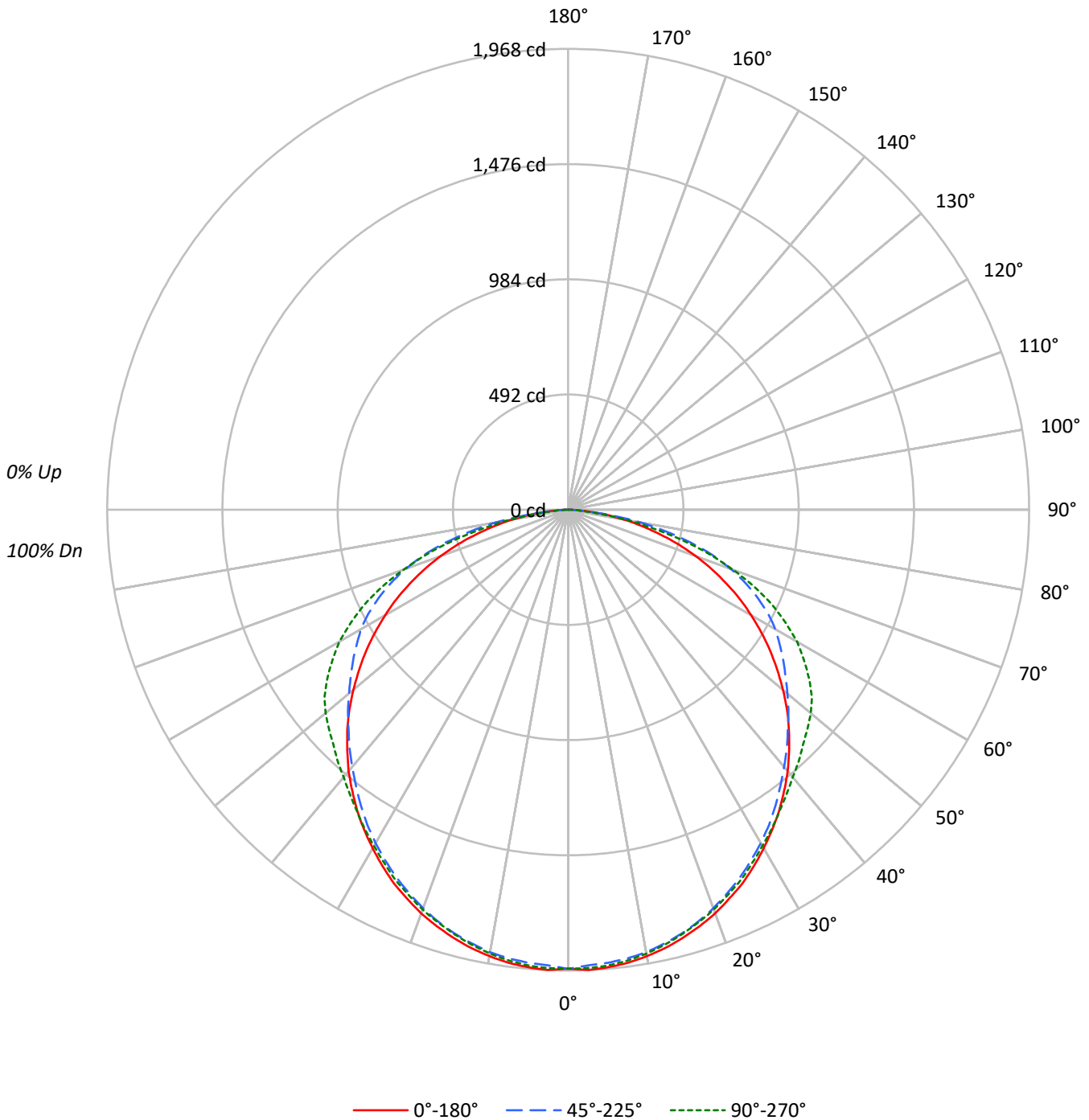
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6035.3 lumens
Efficiency: N/A
Efficacy: 209.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
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	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°	2638	2638	2638
5°	2649	2623	2639
10°	2645	2622	2629
15°	2636	2610	2614
20°	2627	2593	2603
25°	2614	2574	2590
30°	2594	2554	2576
35°	2579	2534	2583
40°	2561	2518	2619
45°	2537	2523	2698
50°	2505	2556	2831
55°	2473	2629	2944
60°	2430	2749	3036
65°	2370	2841	3060
70°	2279	2903	2941
75°	2100	2809	2627
80°	1860	2417	2015
85°	1338	1224	800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.6	3.1
10°-20°	531.3	8.8
20°-30°	804.4	13.3
30°-40°	975.7	16.2
40°-50°	1043.8	17.3
50°-60°	1011.6	16.8
60°-70°	847.3	14.0
70°-80°	520.6	8.6
80°-90°	115.0	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°	1521.3	25.2
0°-40°	2497.0	41.4
0°-60°	4552.4	75.4
0°-90°	6035.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6035.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1960	1960	1960	1960	1960	
5°	1961	1957	1942	1955	1954	186
15°	1893	1888	1874	1882	1877	534
25°	1760	1750	1734	1746	1745	811
35°	1570	1550	1543	1569	1572	982
45°	1333	1305	1326	1394	1418	1028
55°	1054	1026	1121	1232	1255	941
65°	744	740	892	953	961	736
75°	404	472	540	517	505	430
85°	87	116	79	55	52	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1960.3	1960.3	1960.3	1960.3	1960.3
2.5°	1967.7	1962.4	1947.6	1960.3	1959.3
5°	1961.4	1957.1	1942.3	1955.0	1954.0
7.5°	1951.9	1947.6	1932.8	1945.5	1942.3
10°	1936.0	1932.8	1919.1	1928.6	1924.4
12.5°	1917.0	1913.8	1897.9	1908.5	1903.2
15°	1892.6	1888.4	1873.6	1882.1	1876.8
17.5°	1865.2	1859.9	1845.1	1853.5	1848.2
20°	1834.5	1827.1	1811.2	1822.9	1817.6
22.5°	1797.5	1792.2	1773.2	1785.9	1780.6
25°	1760.5	1749.9	1734.0	1745.7	1744.6
27.5°	1716.1	1705.5	1689.6	1703.4	1701.3
30°	1669.5	1657.9	1644.2	1657.9	1657.9
32.5°	1620.9	1606.1	1595.5	1611.4	1616.7
35°	1570.2	1550.1	1542.7	1569.1	1572.3
37.5°	1514.1	1494.0	1487.7	1522.6	1531.0
40°	1458.1	1432.7	1433.8	1478.2	1490.9
42.5°	1395.7	1370.3	1381.9	1433.8	1457.0
45°	1333.3	1304.8	1325.9	1393.6	1417.9
47.5°	1267.8	1240.3	1275.2	1354.5	1385.1
50°	1196.9	1169.4	1221.2	1317.5	1352.3
52.5°	1125.0	1096.5	1169.4	1279.4	1311.1
55°	1054.2	1025.6	1120.8	1231.8	1255.1
57.5°	978.0	953.7	1070.0	1169.4	1192.7
60°	903.0	881.8	1021.4	1106.0	1128.2
62.5°	825.8	809.9	962.2	1033.0	1045.7
65°	744.4	740.1	892.4	952.7	961.1
67.5°	663.0	673.5	820.5	859.6	860.7
70°	579.4	608.0	738.0	754.9	747.5
72.5°	494.8	544.5	647.1	638.6	632.3
75°	403.9	471.6	540.3	517.0	505.4
77.5°	321.4	397.6	426.1	393.3	375.4
80°	240.0	314.0	311.9	269.6	260.1
82.5°	161.8	218.9	187.2	152.3	133.2
85°	86.7	116.3	79.3	55.0	51.8
87.5°	32.8	27.5	21.1	19.0	19.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)