

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: **6RSRK-TS-100-HE-L940**

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: 6RSRK-TS-100-HE-L940
Description: 6ft RSRK, 1000 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

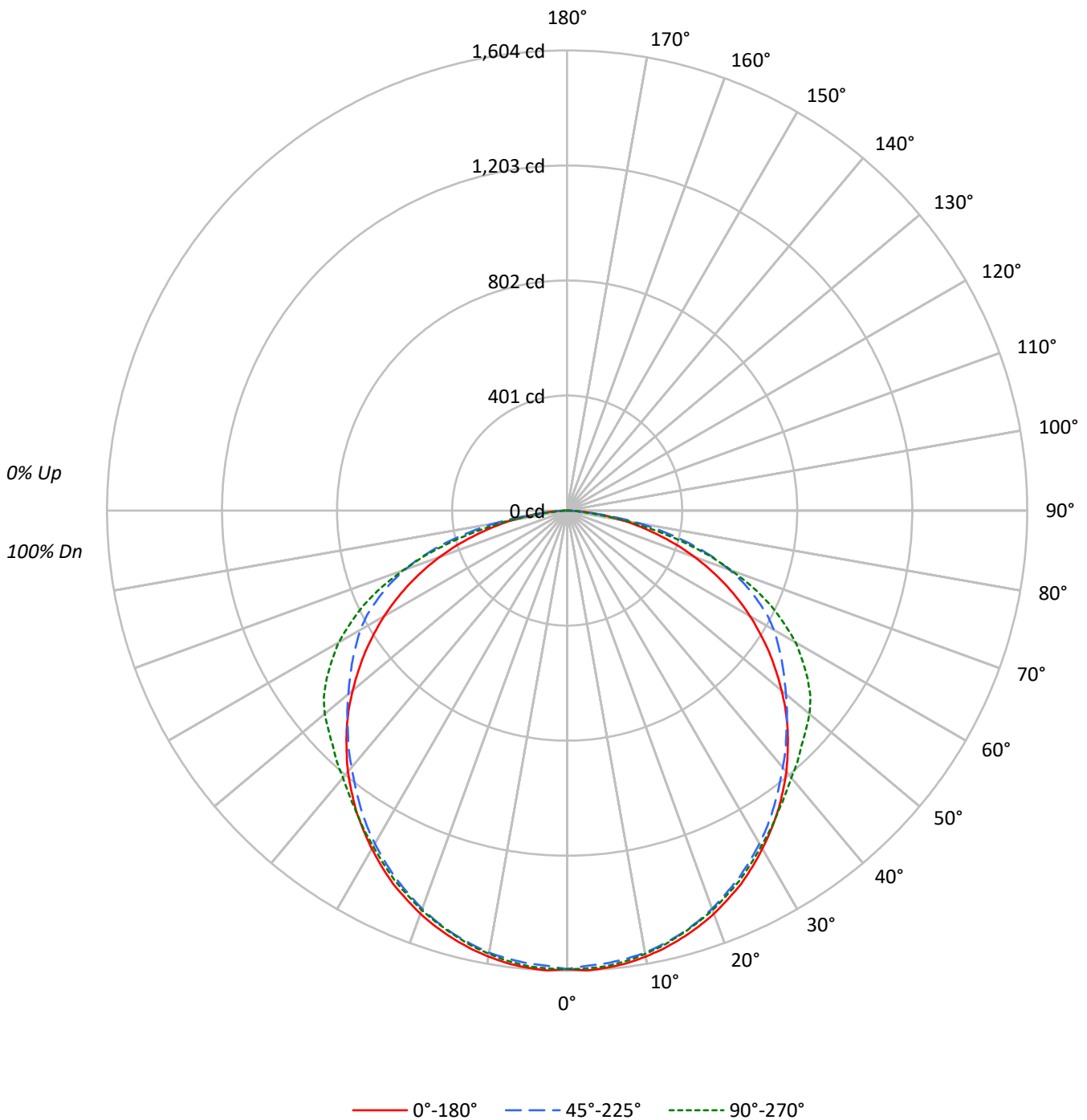
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4921.1 lumens
Efficiency: N/A
Efficacy: 170.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
Luminous Opening: Rectangular (W 1' x L: 6' 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°	2868	2868	2868
5°	2880	2852	2869
10°	2876	2851	2858
15°	2866	2837	2842
20°	2856	2820	2829
25°	2841	2799	2816
30°	2820	2777	2800
35°	2804	2755	2808
40°	2784	2738	2847
45°	2758	2743	2933
50°	2724	2779	3078
55°	2689	2858	3201
60°	2642	2988	3301
65°	2577	3089	3327
70°	2478	3157	3197
75°	2283	3054	2856
80°	2022	2627	2191
85°	1455	1332	869



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.4	3.1
10°-20°	433.2	8.8
20°-30°	655.9	13.3
30°-40°	795.6	16.2
40°-50°	851.1	17.3
50°-60°	824.9	16.8
60°-70°	690.8	14.0
70°-80°	424.5	8.6
80°-90°	93.7	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°	1240.5	25.2
0°-40°	2036.0	41.4
0°-60°	3712.0	75.4
0°-90°	4921.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4921.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1598	1598	1598	1598	1598	
5°	1599	1596	1584	1594	1593	152
15°	1543	1540	1528	1535	1530	436
25°	1436	1427	1414	1423	1422	661
35°	1280	1264	1258	1279	1282	801
45°	1087	1064	1081	1136	1156	838
55°	860	836	914	1004	1023	767
65°	607	604	728	777	784	600
75°	329	384	441	422	412	350
85°	71	95	65	45	42	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1598.4	1598.4	1598.4	1598.4	1598.4
2.5°	1604.5	1600.2	1588.1	1598.4	1597.6
5°	1599.3	1595.8	1583.8	1594.1	1593.3
7.5°	1591.5	1588.1	1576.0	1586.4	1583.8
10°	1578.6	1576.0	1564.8	1572.6	1569.1
12.5°	1563.1	1560.5	1547.6	1556.2	1551.9
15°	1543.2	1539.8	1527.7	1534.6	1530.3
17.5°	1520.8	1516.5	1504.5	1511.3	1507.0
20°	1495.8	1489.8	1476.9	1486.3	1482.0
22.5°	1465.7	1461.3	1445.8	1456.2	1451.9
25°	1435.5	1426.9	1413.9	1423.4	1422.5
27.5°	1399.3	1390.6	1377.7	1388.9	1387.2
30°	1361.3	1351.9	1340.6	1351.9	1351.9
32.5°	1321.7	1309.6	1301.0	1313.9	1318.2
35°	1280.3	1263.9	1257.9	1279.4	1282.0
37.5°	1234.6	1218.2	1213.0	1241.5	1248.4
40°	1188.9	1168.2	1169.1	1205.3	1215.6
42.5°	1138.0	1117.3	1126.8	1169.1	1188.0
45°	1087.2	1063.9	1081.1	1136.3	1156.1
47.5°	1033.7	1011.3	1039.8	1104.4	1129.4
50°	976.0	953.5	995.8	1074.2	1102.7
52.5°	917.3	894.1	953.5	1043.2	1069.1
55°	859.6	836.3	913.9	1004.4	1023.4
57.5°	797.5	777.7	872.5	953.5	972.5
60°	736.3	719.0	832.8	901.8	919.9
62.5°	673.3	660.4	784.6	842.3	852.7
65°	607.0	603.5	727.7	776.8	783.7
67.5°	540.6	549.2	669.0	700.9	701.8
70°	472.5	495.7	601.8	615.6	609.5
72.5°	403.5	444.0	527.6	520.7	515.6
75°	329.3	384.5	440.6	421.6	412.1
77.5°	262.1	324.2	347.4	320.7	306.1
80°	195.7	256.1	254.3	219.8	212.1
82.5°	131.9	178.5	152.6	124.1	108.6
85°	70.7	94.8	64.7	44.8	42.2
87.5°	26.7	22.4	17.2	15.5	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)