

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-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: 6RSRK-TS-100-HE-L930
Description: 6ft RSRK, 1000 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

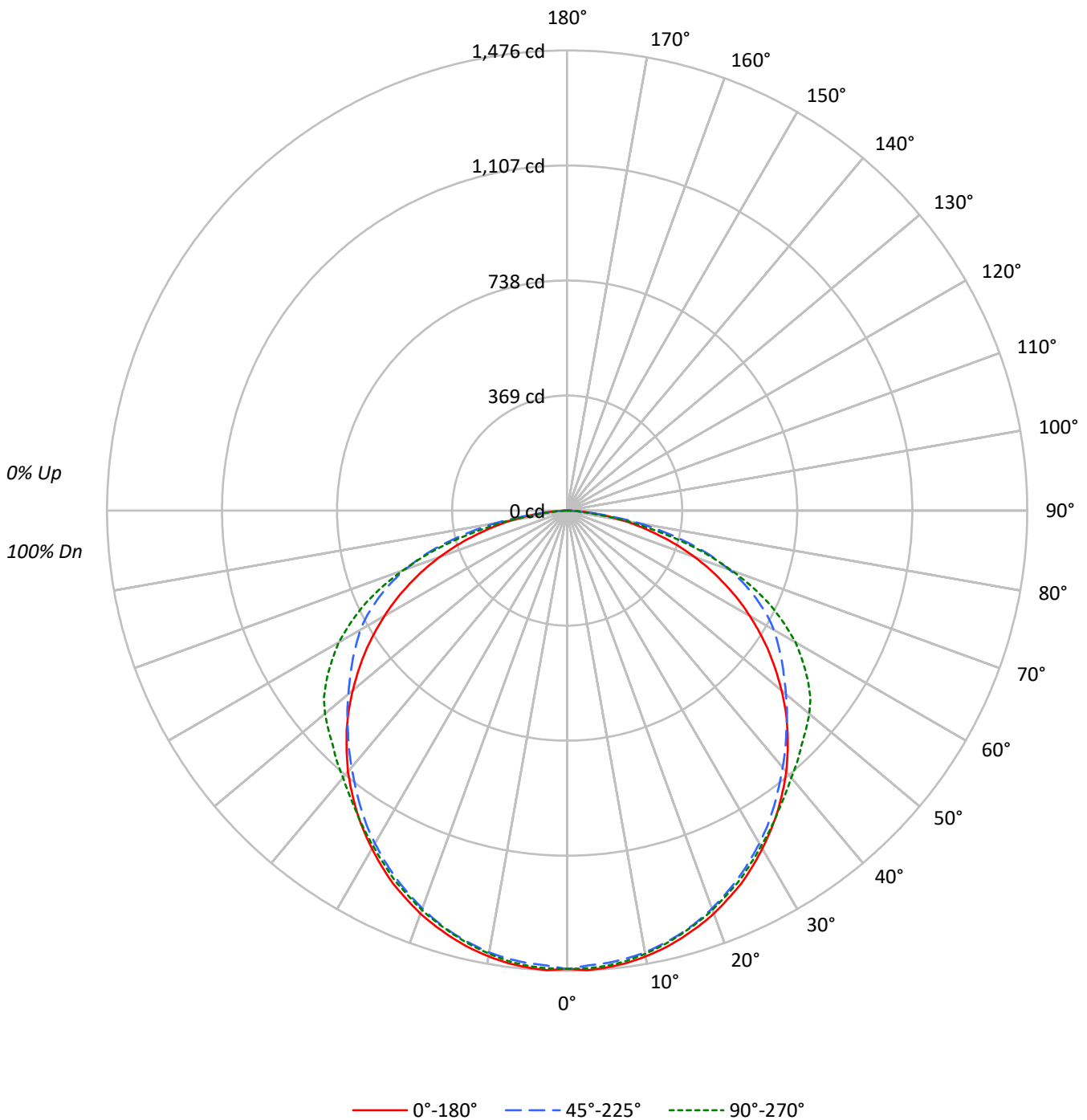
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4526.5 lumens
Efficiency: N/A
Efficacy: 157.2 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°	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	2618
45°	2537	2523	2698
50°	2505	2556	2831
55°	2473	2629	2944
60°	2430	2748	3036
65°	2370	2841	3060
70°	2280	2903	2941
75°	2100	2809	2628
80°	1860	2416	2016
85°	1338	1225	801



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.2	3.1
10°-20°	398.4	8.8
20°-30°	603.3	13.3
30°-40°	731.8	16.2
40°-50°	782.8	17.3
50°-60°	758.7	16.8
60°-70°	635.4	14.0
70°-80°	390.5	8.6
80°-90°	86.2	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°	1141.0	25.2
0°-40°	1872.8	41.4
0°-60°	3414.3	75.4
0°-90°	4526.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4526.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1470	1470	1470	1470	1470	
5°	1471	1468	1457	1466	1466	140
15°	1420	1416	1405	1412	1408	401
25°	1320	1312	1300	1309	1308	608
35°	1178	1163	1157	1177	1179	736
45°	1000	979	994	1045	1063	771
55°	791	769	841	924	941	706
65°	558	555	669	714	721	552
75°	303	354	405	388	379	322
85°	65	87	60	41	39	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1470.2	1470.2	1470.2	1470.2	1470.2
2.5°	1475.8	1471.8	1460.7	1470.2	1469.4
5°	1471.0	1467.9	1456.8	1466.3	1465.5
7.5°	1463.9	1460.7	1449.6	1459.1	1456.8
10°	1452.0	1449.6	1439.3	1446.4	1443.3
12.5°	1437.7	1435.3	1423.5	1431.4	1427.4
15°	1419.5	1416.3	1405.2	1411.6	1407.6
17.5°	1398.9	1394.9	1383.8	1390.1	1386.2
20°	1375.9	1370.3	1358.4	1367.1	1363.2
22.5°	1348.1	1344.1	1329.9	1339.4	1335.4
25°	1320.4	1312.4	1300.5	1309.3	1308.5
27.5°	1287.1	1279.1	1267.2	1277.5	1276.0
30°	1252.2	1243.4	1233.1	1243.4	1243.4
32.5°	1215.7	1204.6	1196.7	1208.5	1212.5
35°	1177.6	1162.6	1157.0	1176.8	1179.2
37.5°	1135.6	1120.5	1115.8	1141.9	1148.3
40°	1093.6	1074.5	1075.3	1108.6	1118.1
42.5°	1046.8	1027.7	1036.5	1075.3	1092.8
45°	1000.0	978.6	994.4	1045.2	1063.4
47.5°	950.8	930.2	956.4	1015.8	1038.8
50°	897.7	877.1	915.9	988.1	1014.3
52.5°	843.8	822.4	877.1	959.5	983.3
55°	790.6	769.2	840.6	923.9	941.3
57.5°	733.5	715.3	802.5	877.1	894.5
60°	677.2	661.4	766.0	829.5	846.1
62.5°	619.3	607.4	721.6	774.8	784.3
65°	558.3	555.1	669.3	714.5	720.8
67.5°	497.2	505.1	615.4	644.7	645.5
70°	434.6	456.0	553.5	566.2	560.7
72.5°	371.1	408.4	485.3	479.0	474.2
75°	302.9	353.7	405.2	387.8	379.1
77.5°	241.1	298.2	319.6	295.0	281.5
80°	180.0	235.5	233.9	202.2	195.1
82.5°	121.3	164.2	140.4	114.2	99.9
85°	65.0	87.2	59.5	41.2	38.9
87.5°	24.6	20.6	15.9	14.3	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)