

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-65-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: 8RSRK-TS-65-HE-L940  
Description: 8ft RSRK, 650 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

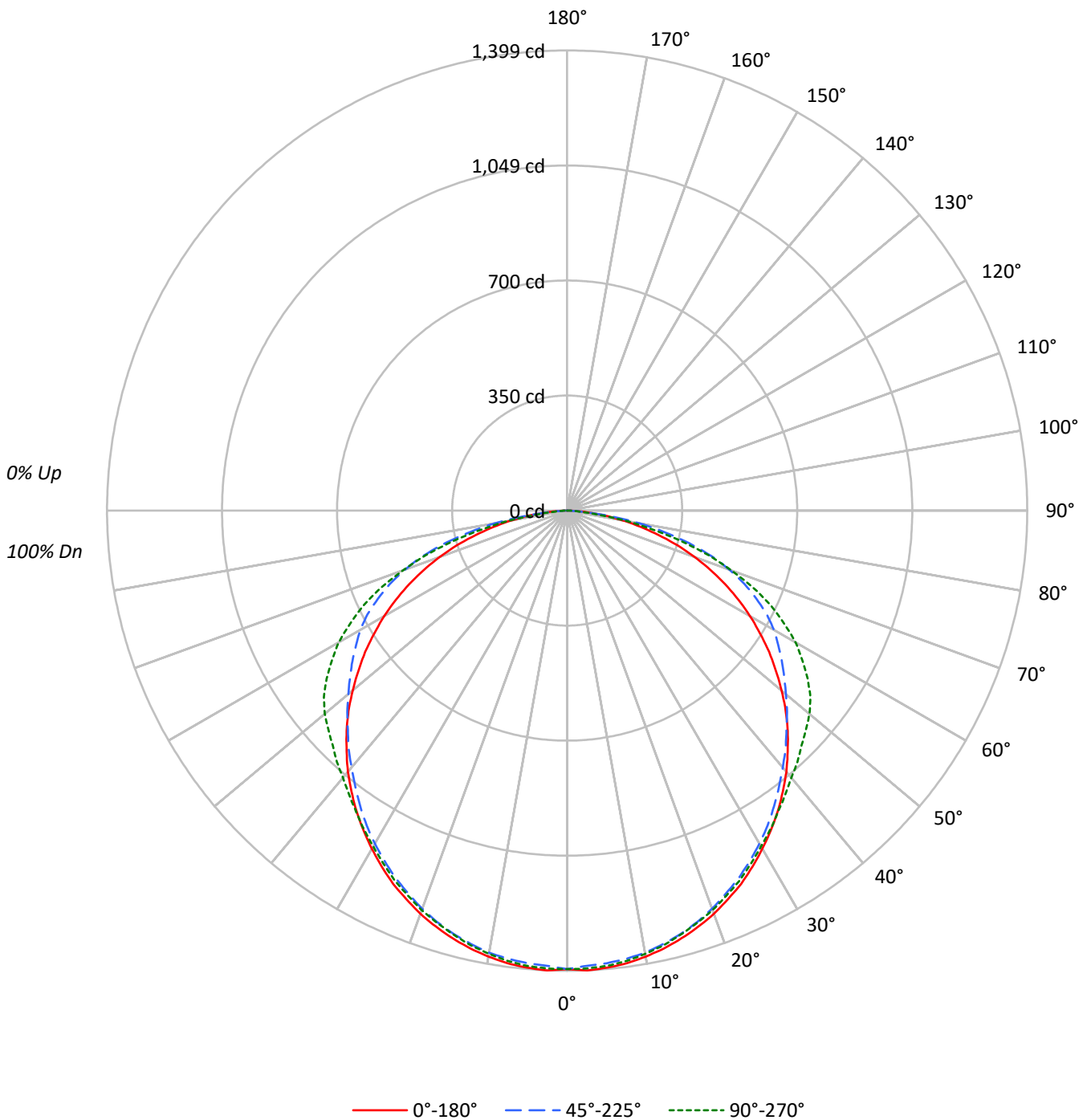
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4292.1 lumens  
Efficiency: N/A  
Efficacy: 227.1 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): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1876	1876	1876
5°	1884	1866	1877
10°	1881	1865	1870
15°	1875	1856	1859
20°	1868	1844	1851
25°	1859	1831	1842
30°	1845	1817	1832
35°	1834	1802	1837
40°	1821	1791	1862
45°	1804	1794	1919
50°	1782	1818	2013
55°	1759	1870	2094
60°	1728	1955	2159
65°	1685	2020	2176
70°	1621	2065	2091
75°	1493	1997	1868
80°	1323	1719	1433
85°	953	871	568



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.0	3.1
10°-20°	377.8	8.8
20°-30°	572.1	13.3
30°-40°	693.9	16.2
40°-50°	742.3	17.3
50°-60°	719.4	16.8
60°-70°	602.5	14.0
70°-80°	370.2	8.6
80°-90°	81.8	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°	1081.9	25.2
0°-40°	1775.8	41.4
0°-60°	3237.5	75.4
0°-90°	4292.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4292.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1394	1394	1394	1394	1394	
5°	1395	1392	1381	1390	1390	133
15°	1346	1343	1332	1338	1335	380
25°	1252	1244	1233	1242	1241	577
35°	1117	1102	1097	1116	1118	698
45°	948	928	943	991	1008	731
55°	750	729	797	876	893	669
65°	529	526	635	678	684	523
75°	287	335	384	368	359	306
85°	62	83	56	39	37	78
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1394.1	1394.1	1394.1	1394.1	1394.1
2.5°	1399.4	1395.6	1385.1	1394.1	1393.3
5°	1394.9	1391.8	1381.3	1390.3	1389.6
7.5°	1388.1	1385.1	1374.6	1383.6	1381.3
10°	1376.8	1374.6	1364.8	1371.5	1368.5
12.5°	1363.3	1361.0	1349.7	1357.3	1353.5
15°	1346.0	1343.0	1332.4	1338.5	1334.7
17.5°	1326.4	1322.7	1312.1	1318.2	1314.4
20°	1304.6	1299.4	1288.1	1296.3	1292.6
22.5°	1278.3	1274.5	1261.0	1270.0	1266.3
25°	1252.0	1244.5	1233.2	1241.5	1240.7
27.5°	1220.4	1212.9	1201.6	1211.4	1209.9
30°	1187.3	1179.0	1169.3	1179.0	1179.0
32.5°	1152.7	1142.2	1134.7	1146.0	1149.7
35°	1116.6	1102.3	1097.1	1115.9	1118.1
37.5°	1076.8	1062.5	1058.0	1082.8	1088.8
40°	1036.9	1018.9	1019.6	1051.2	1060.2
42.5°	992.6	974.5	982.8	1019.6	1036.2
45°	948.2	927.9	942.9	991.1	1008.4
47.5°	901.6	882.0	906.8	963.2	985.0
50°	851.2	831.6	868.5	936.9	961.7
52.5°	800.1	779.8	831.6	909.9	932.4
55°	749.7	729.4	797.1	876.0	892.6
57.5°	695.5	678.3	761.0	831.6	848.2
60°	642.2	627.1	726.4	786.5	802.3
62.5°	587.3	576.0	684.3	734.6	743.7
65°	529.4	526.4	634.6	677.5	683.5
67.5°	471.5	479.0	583.5	611.3	612.1
70°	412.1	432.4	524.9	536.9	531.6
72.5°	351.9	387.3	460.2	454.2	449.7
75°	287.2	335.4	384.2	367.7	359.4
77.5°	228.6	282.7	303.0	279.7	266.9
80°	170.7	223.3	221.8	191.7	185.0
82.5°	115.0	155.7	133.1	108.3	94.7
85°	61.7	82.7	56.4	39.1	36.8
87.5°	23.3	19.6	15.0	13.5	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)