

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-L935**

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-L935  
Description: 8ft RSRK, 650 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

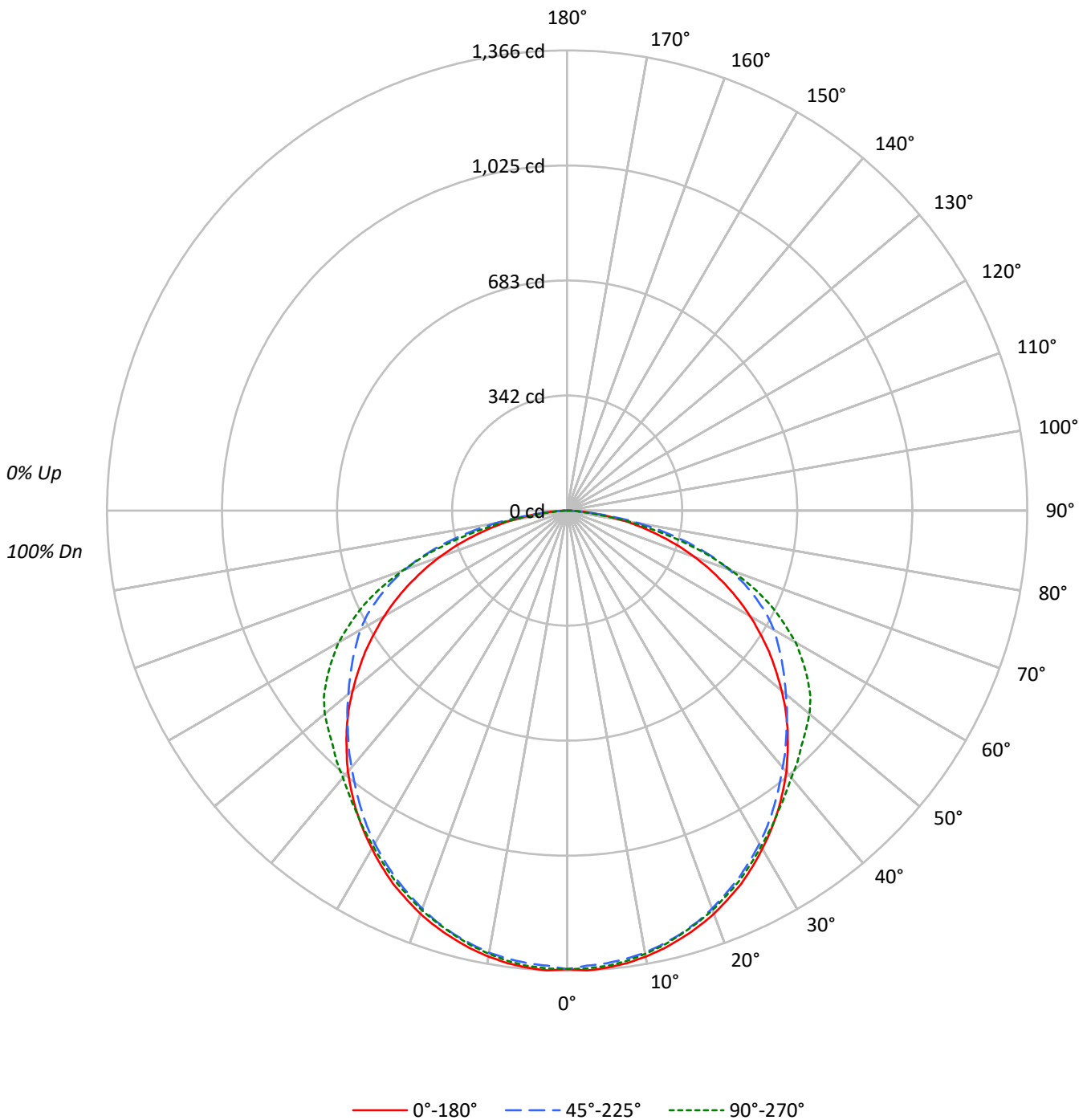
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4190.6 lumens  
Efficiency: N/A  
Efficacy: 221.7 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

TEST NUMBER: P#  
CATALOG NUMBER: 8RSRK-TS-65-HE-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-TS-65-HE-L935

**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°	1831	1831	1831
5°	1839	1822	1832
10°	1837	1821	1826
15°	1830	1812	1815
20°	1824	1801	1807
25°	1815	1787	1798
30°	1801	1774	1789
35°	1791	1759	1793
40°	1778	1749	1818
45°	1762	1752	1873
50°	1740	1775	1966
55°	1717	1825	2044
60°	1687	1908	2108
65°	1645	1973	2125
70°	1583	2016	2042
75°	1458	1951	1824
80°	1292	1678	1399
85°	929	851	556



TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-TS-65-HE-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.9	3.1
10°-20°	368.9	8.8
20°-30°	558.6	13.3
30°-40°	677.5	16.2
40°-50°	724.7	17.3
50°-60°	702.4	16.8
60°-70°	588.3	14.0
70°-80°	361.5	8.6
80°-90°	79.8	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°	1056.3	25.2
0°-40°	1733.8	41.4
0°-60°	3161.0	75.4
0°-90°	4190.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4190.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1361	1361	1361	1361	1361	
5°	1362	1359	1349	1358	1357	129
15°	1314	1311	1301	1307	1303	371
25°	1222	1215	1204	1212	1211	563
35°	1090	1076	1071	1090	1092	682
45°	926	906	921	968	984	714
55°	732	712	778	855	871	653
65°	517	514	620	662	667	511
75°	280	327	375	359	351	298
85°	60	81	55	38	36	76
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-TS-65-HE-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1361.1	1361.1	1361.1	1361.1	1361.1
2.5°	1366.3	1362.6	1352.3	1361.1	1360.4
5°	1361.9	1358.9	1348.7	1357.5	1356.7
7.5°	1355.3	1352.3	1342.0	1350.9	1348.7
10°	1344.2	1342.0	1332.5	1339.1	1336.2
12.5°	1331.0	1328.8	1317.8	1325.2	1321.5
15°	1314.1	1311.2	1300.9	1306.8	1303.1
17.5°	1295.1	1291.4	1281.1	1287.0	1283.3
20°	1273.8	1268.6	1257.6	1265.7	1262.0
22.5°	1248.1	1244.4	1231.2	1240.0	1236.3
25°	1222.4	1215.0	1204.0	1212.1	1211.4
27.5°	1191.5	1184.2	1173.2	1182.7	1181.3
30°	1159.2	1151.2	1141.6	1151.2	1151.2
32.5°	1125.5	1115.2	1107.8	1118.9	1122.5
35°	1090.2	1076.3	1071.1	1089.5	1091.7
37.5°	1051.3	1037.4	1033.0	1057.2	1063.1
40°	1012.4	994.8	995.5	1026.4	1035.2
42.5°	969.1	951.5	959.5	995.5	1011.7
45°	925.8	906.0	920.6	967.6	984.5
47.5°	880.3	861.2	885.4	940.5	961.7
50°	831.1	812.0	848.0	914.8	939.0
52.5°	781.1	761.3	812.0	888.3	910.4
55°	732.0	712.1	778.2	855.3	871.4
57.5°	679.1	662.2	743.0	812.0	828.1
60°	627.0	612.3	709.2	767.9	783.3
62.5°	573.4	562.4	668.1	717.3	726.1
65°	516.8	513.9	619.6	661.5	667.4
67.5°	460.3	467.7	569.7	596.9	597.6
70°	402.3	422.1	512.4	524.2	519.1
72.5°	343.6	378.1	449.3	443.4	439.0
75°	280.4	327.4	375.2	359.0	350.9
77.5°	223.2	276.0	295.9	273.1	260.6
80°	166.7	218.0	216.6	187.2	180.6
82.5°	112.3	152.0	129.9	105.7	92.5
85°	60.2	80.8	55.1	38.2	36.0
87.5°	22.8	19.1	14.7	13.2	13.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)