

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-65-HE-L950**

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 (G3-1811-041-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-65-HE-L950  
Description: 8ft RSRK, 650 LUMEN PER FOOT 90CRI 5000K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

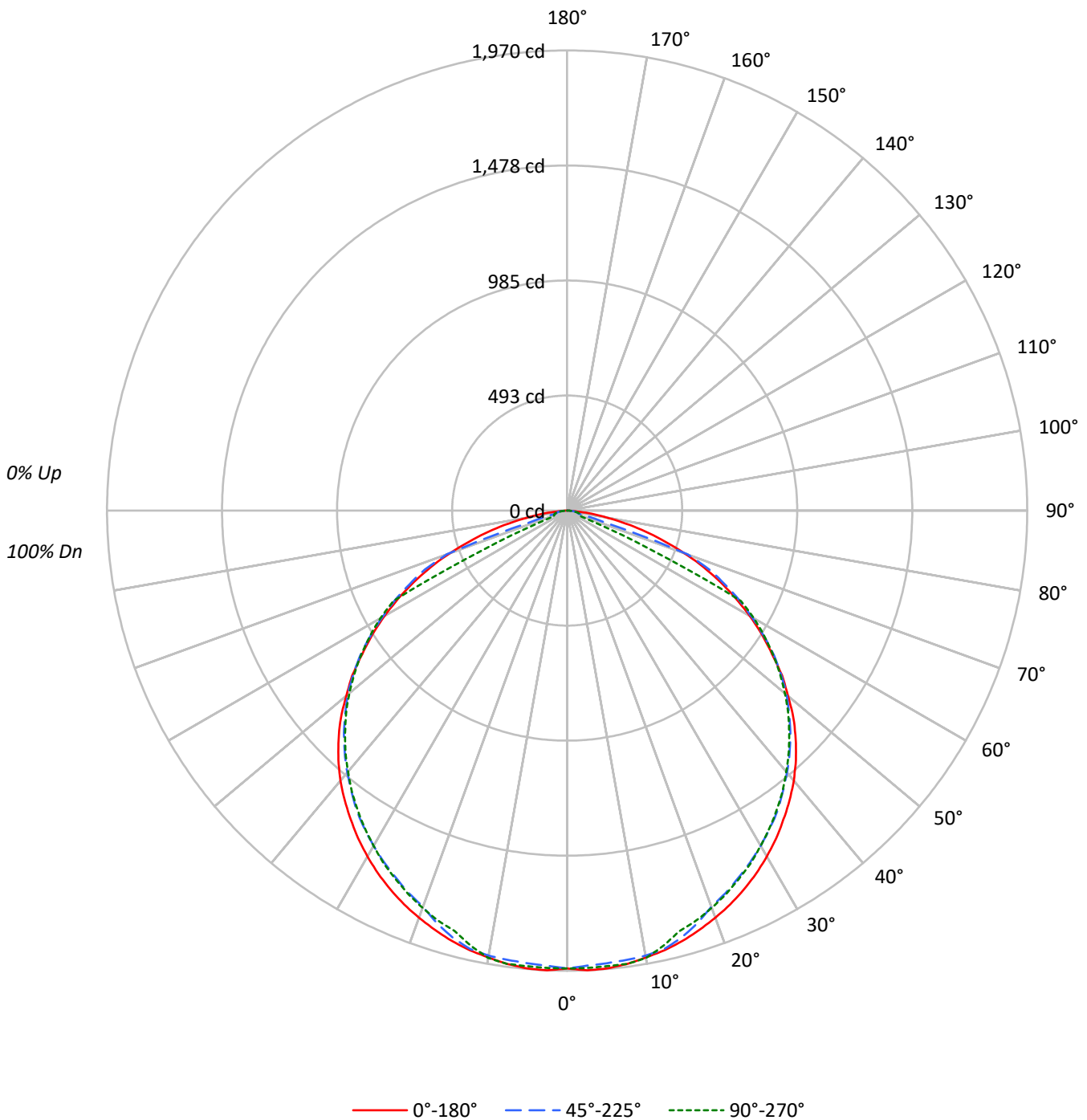
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5396.1 lumens  
Efficiency: N/A  
Efficacy: 285.5 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4  
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	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	110	105	102	98	107	103	100	96	99	96	93		95	93	91		92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33		45	38	33		43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27		38	32	27		37	31	27	25

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

	0°	45°	90°
0°	2637	2637	2637
5°	2657	2627	2644
10°	2654	2644	2657
15°	2657	2636	2594
20°	2656	2584	2591
25°	2657	2575	2583
30°	2656	2575	2575
35°	2652	2578	2570
40°	2651	2572	2563
45°	2634	2572	2558
50°	2583	2568	2547
55°	2513	2537	2525
60°	2432	2459	2486
65°	2303	2367	1251
70°	2107	2157	236
75°	1809	260	286
80°	1358	329	329
85°	696	347	309



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.2	3.5
10°-20°	533.5	9.9
20°-30°	811.0	15.0
30°-40°	987.9	18.3
40°-50°	1045.3	19.4
50°-60°	958.8	17.8
60°-70°	646.7	12.0
70°-80°	195.5	3.6
80°-90°	31.2	0.6
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°	1530.6	28.4
0°-40°	2518.5	46.7
0°-60°	4522.6	83.8
0°-90°	5396.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5396.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1960	1960	1960	1960	1960	
5°	1968	1953	1945	1963	1958	187
15°	1908	1898	1892	1878	1862	538
25°	1790	1787	1735	1752	1740	825
35°	1615	1580	1570	1575	1564	1011
45°	1384	1352	1352	1354	1344	1066
55°	1071	1056	1081	1081	1076	959
65°	723	713	744	754	393	714
75°	348	350	50	55	55	369
85°	45	22	22	20	20	69
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1960.1	1960.1	1960.1	1960.1	1960.1
2.5°	1970.1	1955.1	1950.1	1962.6	1960.1
5°	1967.6	1952.6	1945.0	1962.6	1957.6
7.5°	1957.6	1942.6	1940.1	1960.1	1957.6
10°	1942.6	1932.6	1935.0	1952.6	1945.0
12.5°	1927.6	1917.5	1922.5	1917.5	1907.5
15°	1907.5	1897.5	1892.5	1877.5	1862.5
17.5°	1882.5	1877.5	1852.5	1847.4	1840.0
20°	1854.9	1854.9	1804.9	1819.9	1809.9
22.5°	1824.9	1824.9	1772.3	1787.4	1777.4
25°	1789.9	1787.4	1734.8	1752.3	1739.8
27.5°	1752.3	1739.8	1697.2	1712.3	1702.3
30°	1709.8	1687.2	1657.2	1667.2	1657.2
32.5°	1664.7	1632.2	1614.6	1622.1	1612.1
35°	1614.6	1579.6	1569.6	1574.6	1564.5
37.5°	1564.5	1527.0	1517.0	1524.5	1514.5
40°	1509.5	1474.4	1464.4	1469.5	1459.5
42.5°	1449.4	1419.4	1409.4	1411.9	1404.3
45°	1384.3	1351.8	1351.8	1354.3	1344.3
47.5°	1314.2	1286.7	1289.2	1291.7	1284.2
50°	1234.1	1214.1	1226.6	1229.2	1216.6
52.5°	1159.1	1139.0	1154.0	1159.1	1149.1
55°	1071.4	1056.4	1081.4	1081.4	1076.4
57.5°	988.8	973.8	998.9	1008.9	1001.3
60°	903.7	888.7	913.7	931.2	923.7
62.5°	813.5	801.1	831.1	853.6	838.6
65°	723.4	713.4	743.5	753.5	393.0
67.5°	630.8	623.3	658.4	237.8	62.6
70°	535.7	528.2	548.3	60.1	60.1
72.5°	438.1	440.6	175.2	57.6	57.6
75°	348.0	350.5	50.1	55.1	55.1
77.5°	257.9	262.8	47.6	50.1	50.1
80°	175.2	127.7	42.5	42.5	42.5
82.5°	105.1	30.0	32.5	32.5	30.0
85°	45.1	22.5	22.5	20.0	20.0
87.5°	15.0	10.0	10.0	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)