

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-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 (G3-1811-041-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-65-HE-L940  
Description: 8ft RSRK, 650 LUMEN PER FOOT 90CRI 4000K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

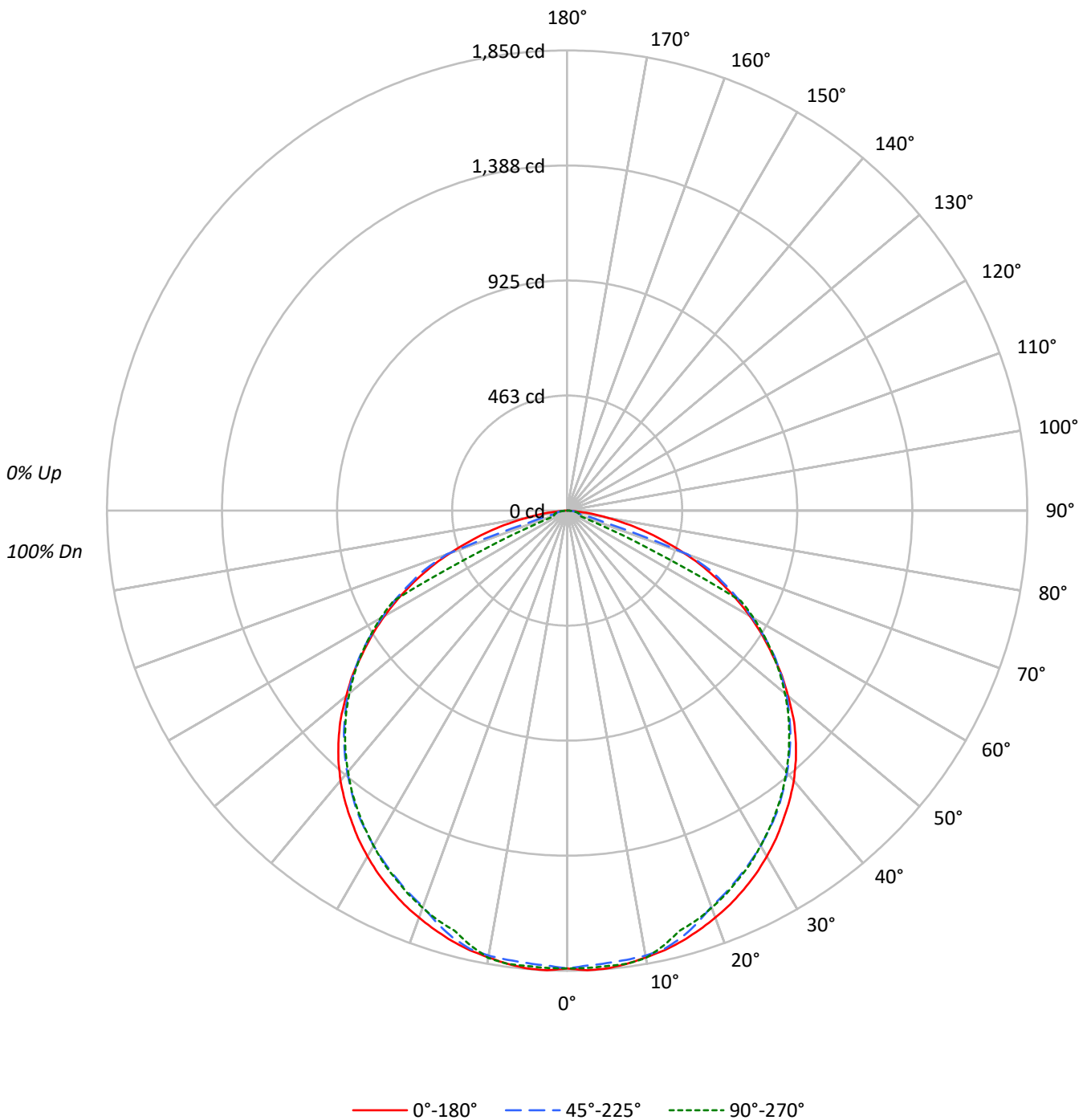
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5066.7 lumens  
Efficiency: N/A  
Efficacy: 268.1 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°	2476	2476	2476
5°	2495	2467	2483
10°	2492	2482	2495
15°	2495	2475	2436
20°	2494	2427	2433
25°	2495	2418	2425
30°	2494	2417	2417
35°	2490	2421	2413
40°	2490	2415	2407
45°	2473	2415	2402
50°	2426	2411	2391
55°	2360	2382	2371
60°	2283	2309	2334
65°	2163	2223	1175
70°	1979	2025	222
75°	1698	244	269
80°	1275	309	309
85°	653	326	290



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.9	3.5
10°-20°	500.9	9.9
20°-30°	761.5	15.0
30°-40°	927.5	18.3
40°-50°	981.5	19.4
50°-60°	900.3	17.8
60°-70°	607.2	12.0
70°-80°	183.5	3.6
80°-90°	29.3	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°	1437.2	28.4
0°-40°	2364.8	46.7
0°-60°	4246.5	83.8
0°-90°	5066.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5066.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1840	1840	1840	1840	1840	
5°	1848	1833	1826	1843	1838	176
15°	1791	1782	1777	1763	1749	506
25°	1681	1678	1629	1645	1634	775
35°	1516	1483	1474	1478	1469	949
45°	1300	1269	1269	1272	1262	1001
55°	1006	992	1015	1015	1011	900
65°	679	670	698	708	369	671
75°	327	329	47	52	52	346
85°	42	21	21	19	19	65
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1840.5	1840.5	1840.5	1840.5	1840.5
2.5°	1849.9	1835.7	1831.1	1842.8	1840.5
5°	1847.5	1833.4	1826.3	1842.8	1838.1
7.5°	1838.1	1824.0	1821.7	1840.5	1838.1
10°	1824.0	1814.6	1816.9	1833.4	1826.3
12.5°	1809.9	1800.5	1805.2	1800.5	1791.1
15°	1791.1	1781.7	1777.0	1762.9	1748.8
17.5°	1767.6	1762.9	1739.4	1734.7	1727.6
20°	1741.7	1741.7	1694.7	1708.8	1699.4
22.5°	1713.5	1713.5	1664.2	1678.3	1668.9
25°	1680.6	1678.3	1628.9	1645.4	1633.6
27.5°	1645.4	1633.6	1593.6	1607.7	1598.3
30°	1605.4	1584.2	1556.0	1565.4	1556.0
32.5°	1563.1	1532.5	1516.0	1523.1	1513.7
35°	1516.0	1483.2	1473.8	1478.4	1469.0
37.5°	1469.0	1433.8	1424.4	1431.4	1422.0
40°	1417.4	1384.4	1375.0	1379.8	1370.4
42.5°	1361.0	1332.8	1323.4	1325.7	1318.6
45°	1299.8	1269.3	1269.3	1271.6	1262.2
47.5°	1234.0	1208.2	1210.5	1212.9	1205.8
50°	1158.8	1140.0	1151.7	1154.1	1142.3
52.5°	1088.3	1069.5	1083.6	1088.3	1078.9
55°	1006.0	991.9	1015.4	1015.4	1010.7
57.5°	928.5	914.3	937.9	947.3	940.2
60°	848.5	834.5	857.9	874.4	867.3
62.5°	763.9	752.2	780.4	801.5	787.4
65°	679.3	669.9	698.1	707.5	369.0
67.5°	592.3	585.2	618.2	223.3	58.7
70°	503.0	496.0	514.8	56.4	56.4
72.5°	411.4	413.7	164.5	54.1	54.1
75°	326.7	329.1	47.0	51.7	51.7
77.5°	242.1	246.8	44.7	47.0	47.0
80°	164.5	119.9	39.9	39.9	39.9
82.5°	98.7	28.2	30.5	30.5	28.2
85°	42.3	21.1	21.1	18.8	18.8
87.5°	14.1	9.4	9.4	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)