

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-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 (G3-1811-041-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-65-HE-L935  
Description: 8ft RSRK, 650 LUMEN PER FOOT 90CRI 3500K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

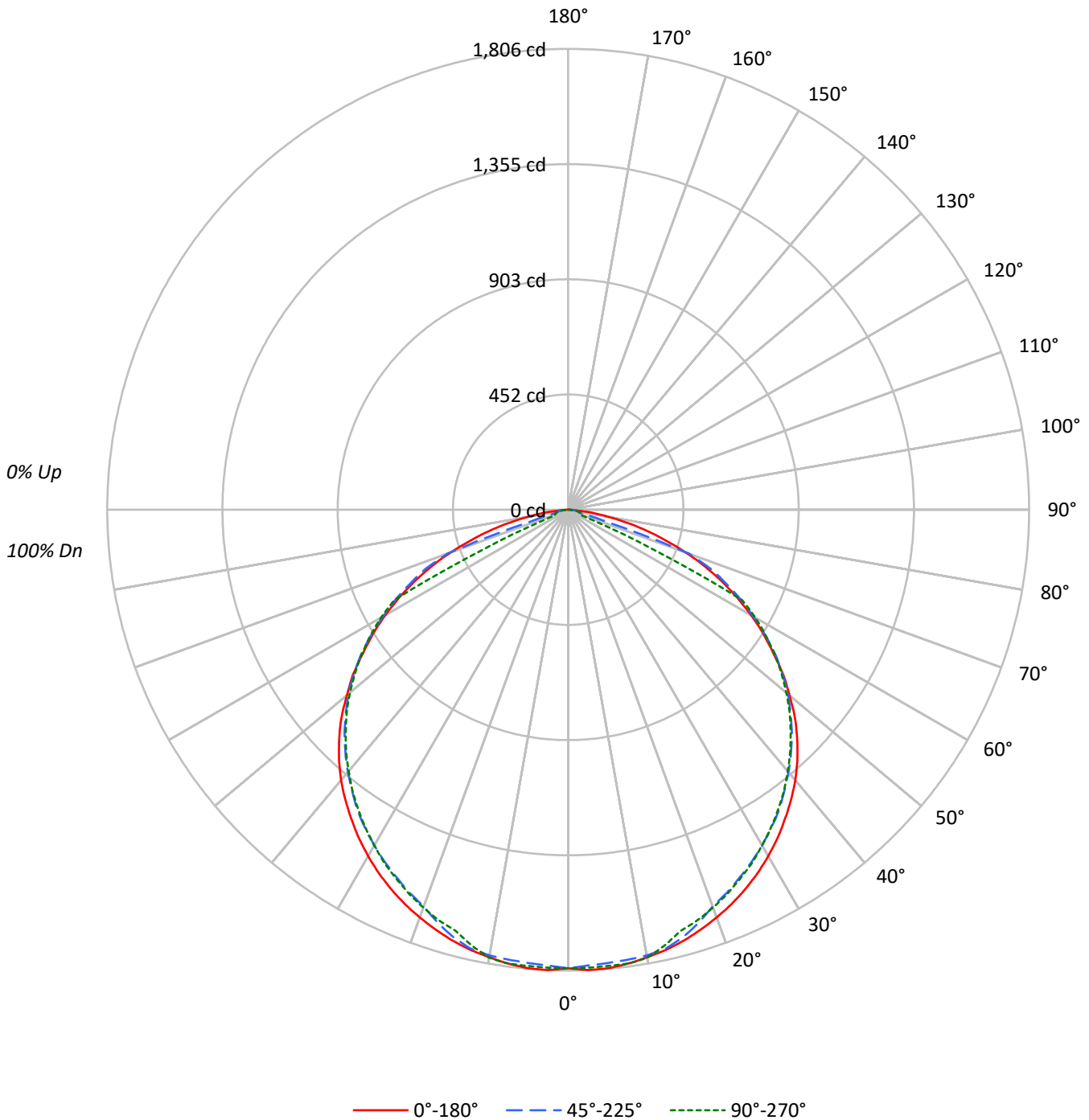
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4946.8 lumens  
Efficiency: N/A  
Efficacy: 261.7 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°	2418	2418	2418
5°	2436	2408	2424
10°	2433	2424	2436
15°	2436	2417	2378
20°	2435	2369	2376
25°	2436	2361	2368
30°	2435	2360	2360
35°	2431	2363	2356
40°	2431	2358	2350
45°	2415	2358	2345
50°	2368	2354	2335
55°	2304	2326	2315
60°	2229	2254	2279
65°	2111	2170	1147
70°	1932	1977	217
75°	1658	239	263
80°	1244	302	302
85°	638	318	284



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.7	3.5
10°-20°	489.0	9.9
20°-30°	743.5	15.0
30°-40°	905.6	18.3
40°-50°	958.3	19.4
50°-60°	879.0	17.8
60°-70°	592.9	12.0
70°-80°	179.2	3.6
80°-90°	28.7	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°	1403.2	28.4
0°-40°	2308.8	46.7
0°-60°	4146.1	83.8
0°-90°	4946.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4946.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1797	1797	1797	1797	1797	
5°	1804	1790	1783	1799	1795	171
15°	1749	1740	1735	1721	1707	494
25°	1641	1639	1590	1606	1595	757
35°	1480	1448	1439	1444	1434	927
45°	1269	1239	1239	1242	1232	977
55°	982	968	991	991	987	879
65°	663	654	682	691	360	655
75°	319	321	46	50	50	338
85°	41	21	21	18	18	63
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1796.9	1796.9	1796.9	1796.9	1796.9
2.5°	1806.1	1792.3	1787.8	1799.2	1796.9
5°	1803.8	1790.0	1783.1	1799.2	1794.6
7.5°	1794.6	1780.9	1778.6	1796.9	1794.6
10°	1780.9	1771.7	1773.9	1790.0	1783.1
12.5°	1767.1	1757.9	1762.5	1757.9	1748.7
15°	1748.7	1739.5	1735.0	1721.2	1707.4
17.5°	1725.8	1721.2	1698.2	1693.7	1686.8
20°	1700.5	1700.5	1654.6	1668.4	1659.3
22.5°	1673.0	1673.0	1624.8	1638.6	1629.4
25°	1640.9	1638.6	1590.4	1606.4	1595.0
27.5°	1606.4	1595.0	1556.0	1569.7	1560.5
30°	1567.5	1546.8	1519.2	1528.4	1519.2
32.5°	1526.1	1496.3	1480.2	1487.1	1477.9
35°	1480.2	1448.1	1438.9	1443.5	1434.3
37.5°	1434.3	1399.9	1390.7	1397.6	1388.4
40°	1383.9	1351.7	1342.5	1347.1	1338.0
42.5°	1328.8	1301.2	1292.1	1294.3	1287.4
45°	1269.1	1239.3	1239.3	1241.5	1232.3
47.5°	1204.8	1179.6	1181.9	1184.2	1177.3
50°	1131.4	1113.0	1124.5	1126.8	1115.3
52.5°	1062.6	1044.2	1057.9	1062.6	1053.4
55°	982.2	968.5	991.4	991.4	986.8
57.5°	906.5	892.7	915.7	924.9	918.0
60°	828.4	814.7	837.6	853.7	846.8
62.5°	745.8	734.4	761.9	782.5	768.8
65°	663.2	654.0	681.6	690.7	360.3
67.5°	578.3	571.4	603.6	218.0	57.3
70°	491.1	484.3	502.6	55.1	55.1
72.5°	401.6	403.9	160.6	52.8	52.8
75°	319.0	321.3	45.9	50.5	50.5
77.5°	236.4	240.9	43.6	45.9	45.9
80°	160.6	117.1	39.0	39.0	39.0
82.5°	96.4	27.5	29.8	29.8	27.5
85°	41.3	20.6	20.6	18.4	18.4
87.5°	13.8	9.2	9.2	6.9	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)