

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: **4RSRK-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: 4RSRK-TS-65-HE-L935  
Description: 4ft RSRK, 650 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

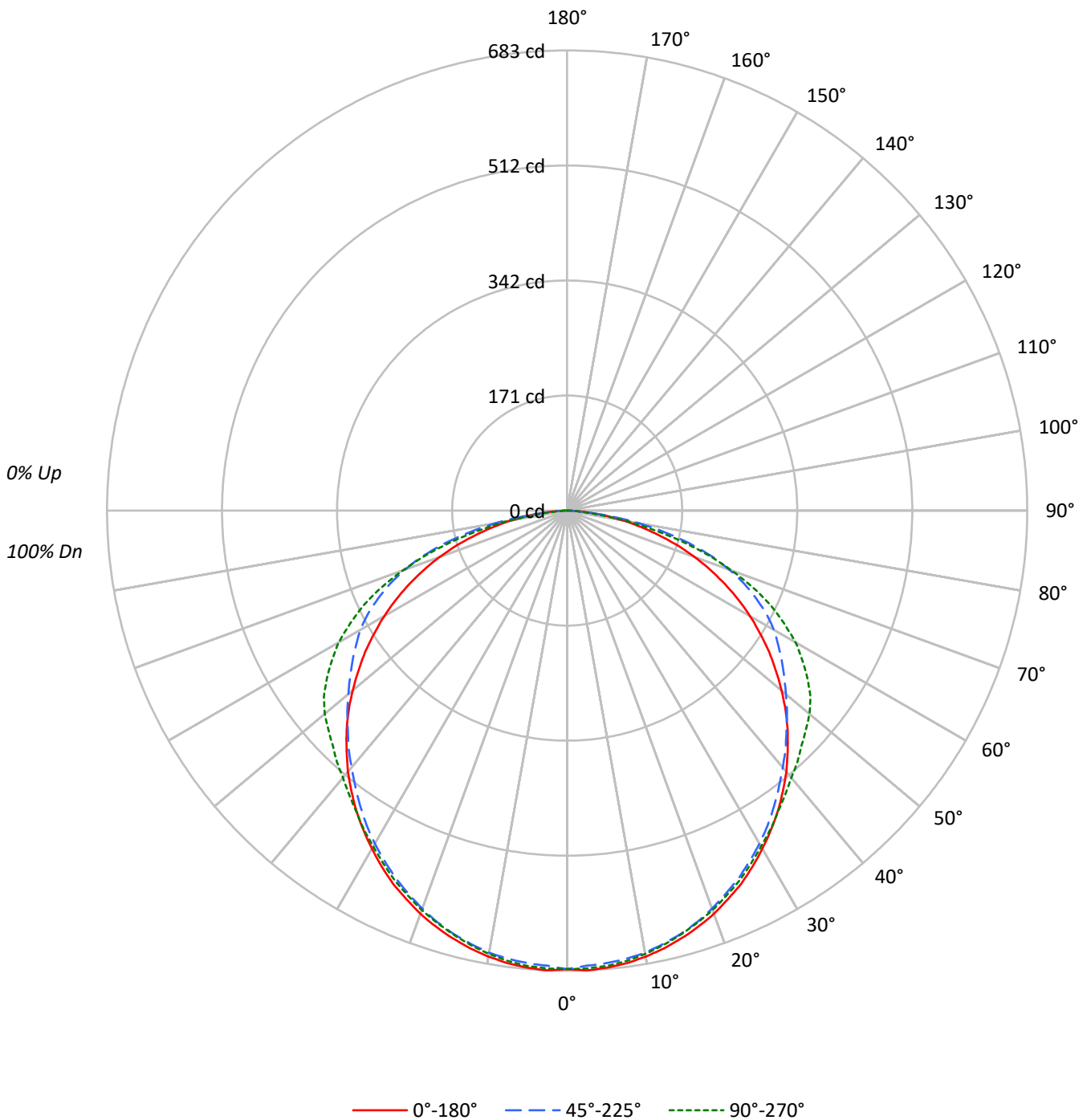
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2095.3 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 4' 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	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	1821	1833
10°	1837	1821	1826
15°	1831	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	1874
50°	1739	1775	1966
55°	1717	1825	2044
60°	1687	1908	2108
65°	1645	1973	2125
70°	1583	2016	2042
75°	1458	1951	1825
80°	1291	1678	1399
85°	929	849	556



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.4	3.1
10°-20°	184.4	8.8
20°-30°	279.3	13.3
30°-40°	338.7	16.2
40°-50°	362.4	17.3
50°-60°	351.2	16.8
60°-70°	294.1	14.0
70°-80°	180.7	8.6
80°-90°	39.9	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°	528.2	25.2
0°-40°	866.9	41.4
0°-60°	1580.5	75.4
0°-90°	2095.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2095.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	681	681	681	681	681	
5°	681	680	674	679	678	65
15°	657	656	650	653	652	185
25°	611	608	602	606	606	281
35°	545	538	536	545	546	341
45°	463	453	460	484	492	357
55°	366	356	389	428	436	327
65°	258	257	310	331	334	256
75°	140	164	188	180	176	149
85°	30	40	28	19	18	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	680.6	680.6	680.6	680.6	680.6
2.5°	683.1	681.3	676.2	680.6	680.2
5°	680.9	679.5	674.3	678.7	678.4
7.5°	677.6	676.2	671.0	675.4	674.3
10°	672.1	671.0	666.3	669.6	668.1
12.5°	665.5	664.4	658.9	662.6	660.7
15°	657.1	655.6	650.5	653.4	651.6
17.5°	647.5	645.7	640.6	643.5	641.7
20°	636.9	634.3	628.8	632.8	631.0
22.5°	624.0	622.2	615.6	620.0	618.2
25°	611.2	607.5	602.0	606.0	605.7
27.5°	595.8	592.1	586.6	591.4	590.6
30°	579.6	575.6	570.8	575.6	575.6
32.5°	562.7	557.6	553.9	559.4	561.3
35°	545.1	538.1	535.6	544.7	545.8
37.5°	525.7	518.7	516.5	528.6	531.5
40°	506.2	497.4	497.8	513.2	517.6
42.5°	484.5	475.7	479.8	497.8	505.8
45°	462.9	453.0	460.3	483.8	492.3
47.5°	440.1	430.6	442.7	470.2	480.9
50°	415.5	406.0	424.0	457.4	469.5
52.5°	390.6	380.7	406.0	444.2	455.2
55°	366.0	356.1	389.1	427.6	435.7
57.5°	339.5	331.1	371.5	406.0	414.1
60°	313.5	306.1	354.6	384.0	391.7
62.5°	286.7	281.2	334.0	358.6	363.0
65°	258.4	257.0	309.8	330.7	333.7
67.5°	230.2	233.8	284.9	298.4	298.8
70°	201.2	211.1	256.2	262.1	259.5
72.5°	171.8	189.0	224.7	221.7	219.5
75°	140.2	163.7	187.6	179.5	175.5
77.5°	111.6	138.0	147.9	136.6	130.3
80°	83.3	109.0	108.3	93.6	90.3
82.5°	56.2	76.0	65.0	52.9	46.3
85°	30.1	40.4	27.5	19.1	18.0
87.5°	11.4	9.5	7.3	6.6	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)