

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: **6RSRK-TB-100-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 (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TB-100-HE-L935  
Description: 6ft RSRK, 1000 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

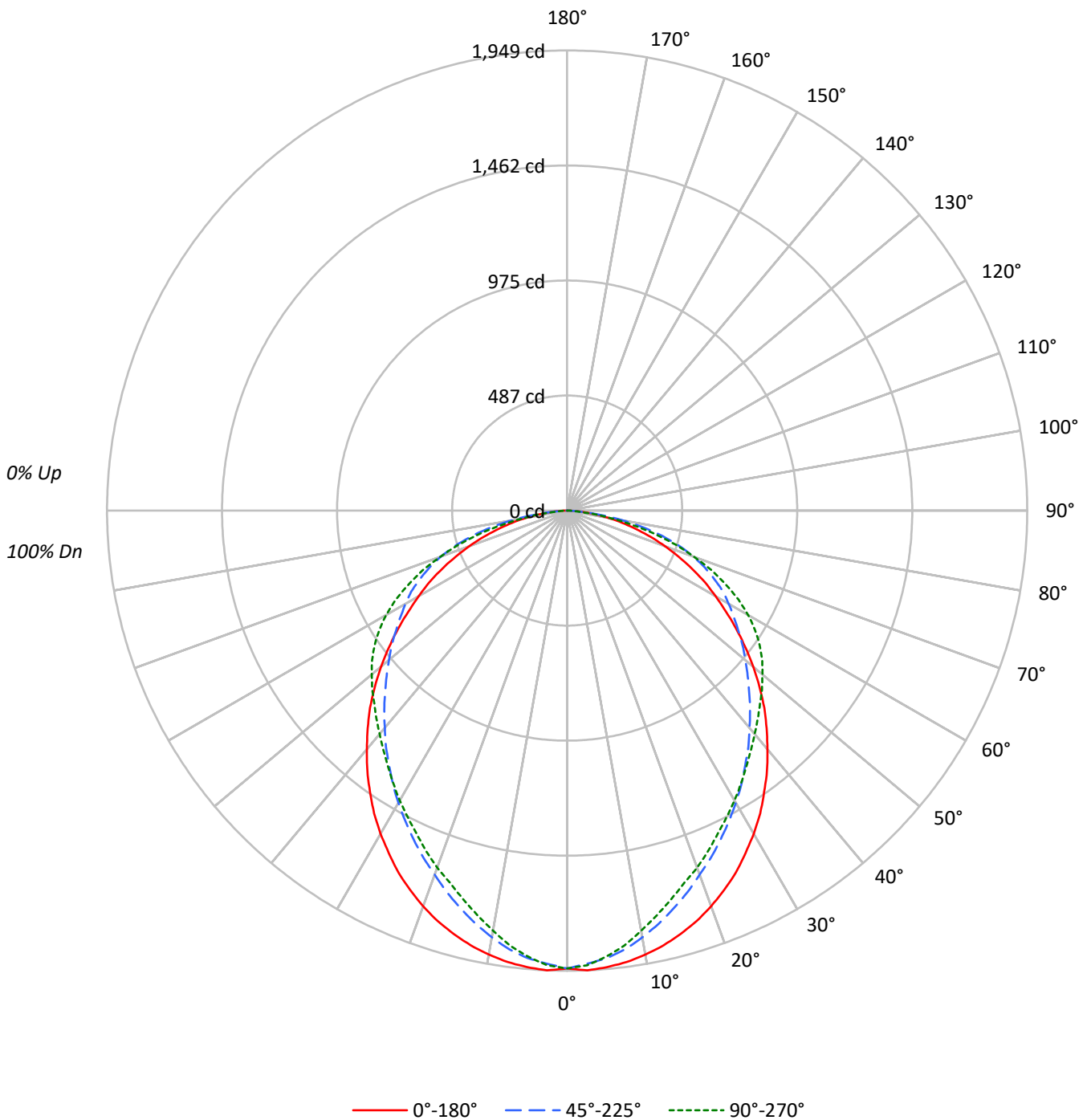
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5072.4 lumens  
Efficiency: N/A  
Efficacy: 176.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26  
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

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

	0°	45°	90°
0°	3479	3479	3479
5°	3495	3428	3416
10°	3479	3344	3292
15°	3447	3240	3164
20°	3405	3133	3073
25°	3348	3043	2988
30°	3273	2961	2938
35°	3187	2881	2897
40°	3091	2814	2893
45°	2995	2767	2932
50°	2872	2748	3013
55°	2736	2766	3115
60°	2607	2836	3178
65°	2480	2924	3149
70°	2317	2987	2994
75°	2080	2899	2682
80°	1820	2461	1992
85°	1367	1301	842



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.7	3.6
10°-20°	497.3	9.8
20°-30°	723.4	14.3
30°-40°	846.1	16.7
40°-50°	869.7	17.1
50°-60°	809.1	16.0
60°-70°	658.2	13.0
70°-80°	398.6	7.9
80°-90°	89.3	1.8
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°	1401.4	27.6
0°-40°	2247.5	44.3
0°-60°	3926.3	77.4
0°-90°	5072.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5072.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1939	1939	1939	1939	1939	
5°	1941	1930	1903	1907	1897	184
15°	1856	1816	1744	1718	1704	523
25°	1691	1620	1538	1522	1509	778
35°	1455	1378	1315	1324	1323	910
45°	1180	1105	1090	1138	1156	909
55°	875	827	884	974	996	783
65°	584	573	689	744	742	578
75°	300	357	418	400	387	321
85°	66	91	63	46	41	81
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1939.1	1939.1	1939.1	1939.1	1939.1
2.5°	1949.3	1940.3	1921.2	1932.0	1927.6
5°	1941.0	1929.5	1903.3	1907.1	1896.9
7.5°	1928.8	1912.2	1874.6	1866.9	1858.0
10°	1909.7	1885.4	1835.6	1823.5	1806.9
12.5°	1886.1	1854.8	1792.2	1770.5	1755.2
15°	1856.1	1816.5	1744.3	1718.1	1703.5
17.5°	1823.5	1774.3	1694.5	1667.7	1652.4
20°	1783.3	1727.1	1640.9	1618.5	1609.6
22.5°	1738.6	1674.1	1591.1	1571.3	1561.1
25°	1691.3	1619.8	1537.5	1522.1	1509.4
27.5°	1635.8	1563.0	1483.2	1472.3	1463.4
30°	1580.2	1505.5	1429.6	1421.9	1418.1
32.5°	1521.5	1440.4	1373.4	1372.1	1370.2
35°	1455.1	1377.8	1315.3	1323.6	1322.9
37.5°	1390.6	1311.4	1260.4	1275.0	1278.2
40°	1319.7	1242.5	1201.6	1226.5	1235.5
42.5°	1250.1	1176.1	1146.7	1180.5	1195.2
45°	1180.5	1104.6	1090.5	1138.4	1155.6
47.5°	1104.6	1036.2	1037.5	1098.8	1119.3
50°	1029.2	965.4	984.5	1056.0	1079.7
52.5°	951.3	896.4	936.6	1014.5	1041.4
55°	874.7	826.8	884.3	974.3	996.0
57.5°	798.1	759.8	836.4	922.6	944.3
60°	726.6	693.4	790.4	869.0	885.6
62.5°	658.3	631.5	745.1	810.2	818.5
65°	584.2	573.4	688.9	743.8	741.9
67.5°	511.4	514.0	631.5	667.2	664.0
70°	441.8	462.3	569.5	584.2	570.8
72.5°	370.3	408.6	497.4	496.1	482.7
75°	300.1	356.9	418.2	399.7	386.9
77.5°	239.4	301.4	332.0	306.5	286.0
80°	176.2	241.3	238.2	209.4	192.8
82.5°	115.6	167.9	147.5	118.8	111.1
85°	66.4	91.3	63.2	46.0	40.9
87.5°	28.1	24.3	16.0	14.7	13.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)