

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-TS-100-HE-L935**

Issue Date: 3/3/2020



**Test Information**

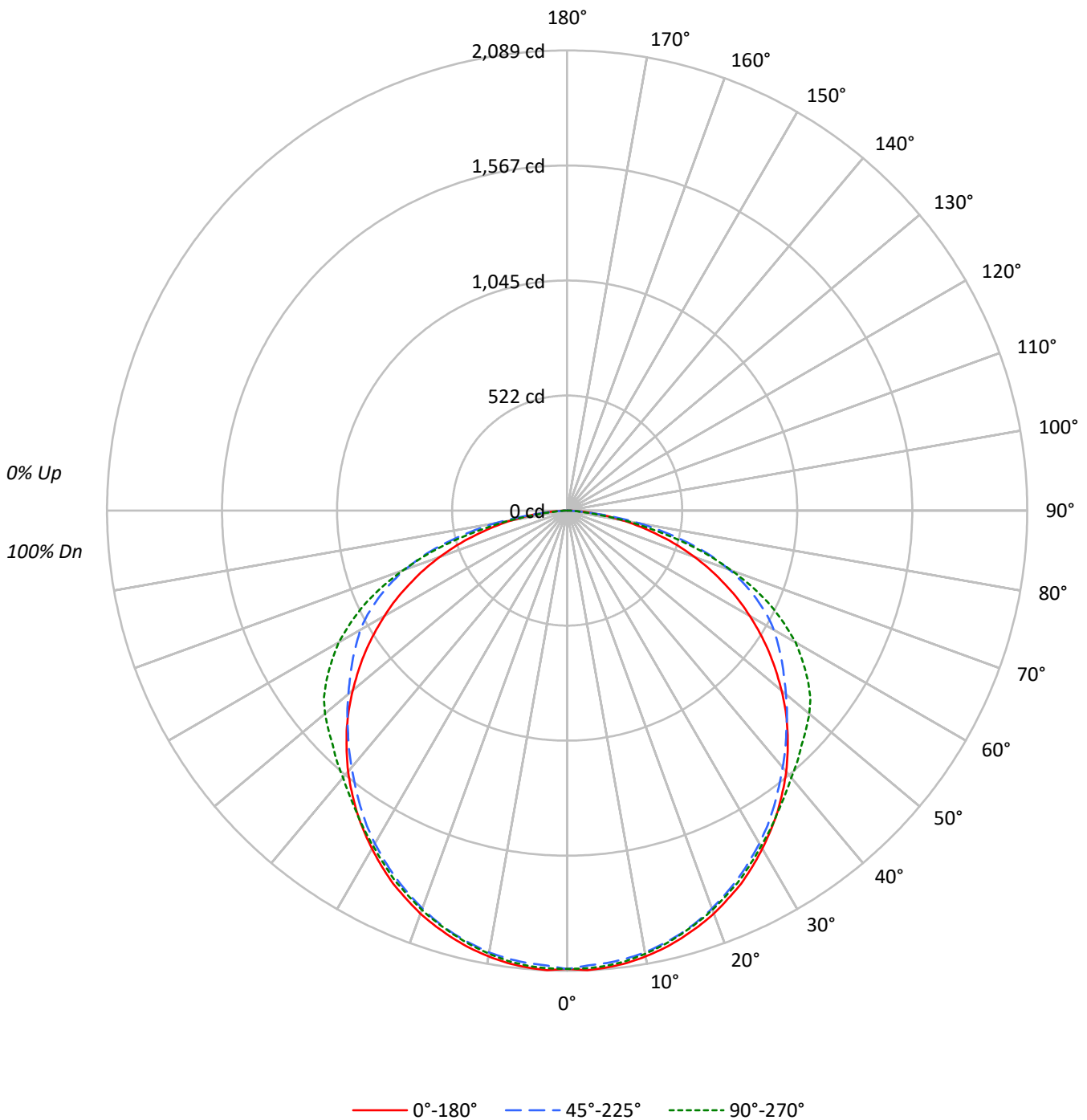
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TS-100-HE-L935  
Description: 8ft RSRK, 1000 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6406.3 lumens  
Efficiency: N/A  
Efficacy: 222.4 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 8' 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	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°	2800	2800	2800
5°	2812	2785	2801
10°	2808	2783	2791
15°	2798	2770	2775
20°	2788	2753	2762
25°	2774	2733	2749
30°	2753	2712	2734
35°	2738	2690	2741
40°	2718	2673	2780
45°	2693	2678	2864
50°	2659	2713	3005
55°	2625	2791	3125
60°	2579	2918	3222
65°	2515	3016	3248
70°	2419	3082	3122
75°	2229	2981	2789
80°	1974	2565	2139
85°	1420	1300	849



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.1	3.1
10°-20°	563.9	8.8
20°-30°	853.9	13.3
30°-40°	1035.7	16.2
40°-50°	1107.9	17.3
50°-60°	1073.8	16.8
60°-70°	899.3	14.0
70°-80°	552.6	8.6
80°-90°	122.1	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°	1614.9	25.2
0°-40°	2650.5	41.4
0°-60°	4832.3	75.4
0°-90°	6406.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6406.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2081	2081	2081	2081	2081	
5°	2082	2078	2062	2075	2074	198
15°	2009	2004	1989	1998	1992	567
25°	1869	1858	1841	1853	1852	861
35°	1667	1645	1638	1666	1669	1042
45°	1415	1385	1407	1479	1505	1091
55°	1119	1089	1190	1308	1332	999
65°	790	786	947	1011	1020	781
75°	429	501	574	549	536	456
85°	92	124	84	58	55	116
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2080.8	2080.8	2080.8	2080.8	2080.8
2.5°	2088.7	2083.1	2067.4	2080.8	2079.7
5°	2082.0	2077.5	2061.8	2075.2	2074.1
7.5°	2071.9	2067.4	2051.7	2065.1	2061.8
10°	2055.0	2051.7	2037.1	2047.2	2042.7
12.5°	2034.8	2031.5	2014.6	2025.8	2020.2
15°	2009.0	2004.5	1988.8	1997.8	1992.2
17.5°	1979.8	1974.2	1958.5	1967.5	1961.9
20°	1947.3	1939.4	1922.6	1934.9	1929.3
22.5°	1908.0	1902.4	1882.2	1895.6	1890.0
25°	1868.7	1857.5	1840.7	1853.0	1851.9
27.5°	1821.6	1810.3	1793.5	1808.1	1805.9
30°	1772.2	1759.8	1745.3	1759.8	1759.8
32.5°	1720.6	1704.8	1693.6	1710.5	1716.1
35°	1666.7	1645.4	1637.5	1665.6	1668.9
37.5°	1607.2	1585.9	1579.1	1616.2	1625.2
40°	1547.7	1520.8	1521.9	1569.0	1582.5
42.5°	1481.5	1454.6	1466.9	1521.9	1546.6
45°	1415.3	1385.0	1407.4	1479.3	1505.1
47.5°	1345.7	1316.5	1353.6	1437.7	1470.3
50°	1270.5	1241.3	1296.3	1398.4	1435.5
52.5°	1194.2	1163.9	1241.3	1358.0	1391.7
55°	1119.0	1088.7	1189.7	1307.5	1332.2
57.5°	1038.2	1012.4	1135.8	1241.3	1266.0
60°	958.5	936.0	1084.2	1174.0	1197.5
62.5°	876.6	859.7	1021.3	1096.5	1110.0
65°	790.1	785.6	947.3	1011.2	1020.2
67.5°	703.7	714.9	870.9	912.5	913.6
70°	615.0	645.4	783.4	801.4	793.5
72.5°	525.3	578.0	686.9	677.9	671.2
75°	428.7	500.6	573.5	548.8	536.5
77.5°	341.2	422.0	452.3	417.5	398.4
80°	254.8	333.3	331.1	286.2	276.1
82.5°	171.7	232.3	198.7	161.6	141.4
85°	92.0	123.5	84.2	58.4	55.0
87.5°	34.8	29.2	22.4	20.2	20.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)