

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-L950**

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-L950
Description: 8ft RSRK, 1000 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

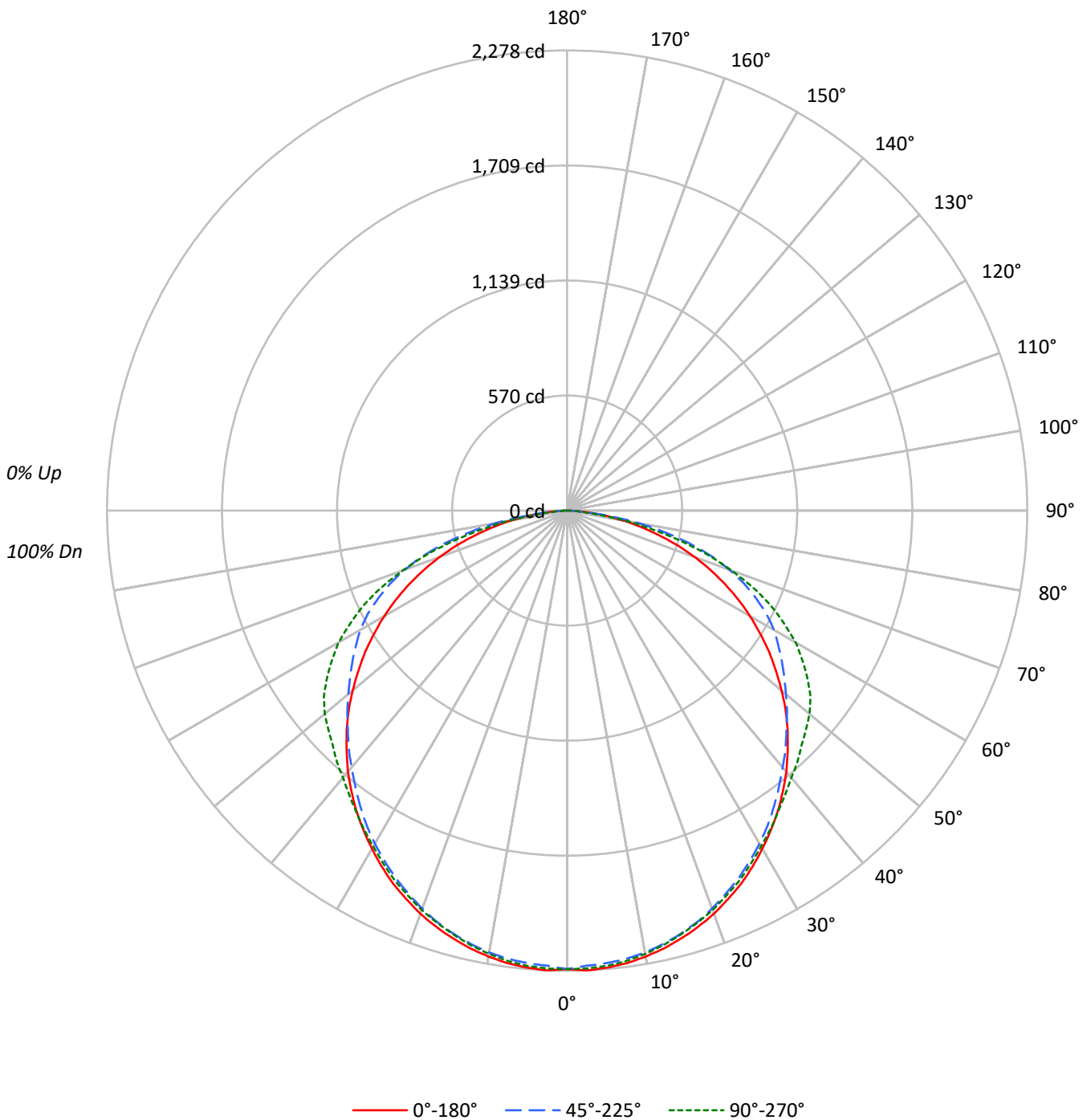
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6988.1 lumens
Efficiency: N/A
Efficacy: 242.6 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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83				83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68				68
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56				56
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50	48				48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41				41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36				36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31				31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28				28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25				25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22				22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3054	3054	3054
5°	3067	3038	3056
10°	3063	3036	3044
15°	3053	3022	3027
20°	3041	3003	3013
25°	3026	2981	2999
30°	3003	2958	2983
35°	2986	2934	2990
40°	2965	2916	3032
45°	2938	2921	3124
50°	2901	2960	3278
55°	2863	3044	3409
60°	2813	3182	3515
65°	2744	3290	3543
70°	2639	3362	3405
75°	2431	3252	3042
80°	2153	2799	2334
85°	1550	1417	926



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.9	3.1
10°-20°	615.1	8.8
20°-30°	931.4	13.3
30°-40°	1129.7	16.2
40°-50°	1208.5	17.3
50°-60°	1171.3	16.8
60°-70°	981.0	14.0
70°-80°	602.8	8.6
80°-90°	133.1	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°	1761.5	25.2
0°-40°	2891.2	41.4
0°-60°	5271.1	75.4
0°-90°	6988.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6988.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2270	2270	2270	2270	2270	
5°	2271	2266	2249	2264	2262	216
15°	2191	2186	2169	2179	2173	619
25°	2038	2026	2008	2021	2020	939
35°	1818	1795	1786	1817	1820	1137
45°	1544	1511	1535	1614	1642	1190
55°	1221	1188	1298	1426	1453	1090
65°	862	857	1033	1103	1113	852
75°	468	546	626	599	585	498
85°	100	135	92	64	60	126
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2269.8	2269.8	2269.8	2269.8	2269.8
2.5°	2278.4	2272.2	2255.1	2269.8	2268.6
5°	2271.0	2266.1	2249.0	2263.7	2262.4
7.5°	2260.0	2255.1	2238.0	2252.7	2249.0
10°	2241.6	2238.0	2222.0	2233.1	2228.2
12.5°	2219.6	2215.9	2197.6	2209.8	2203.7
15°	2191.4	2186.5	2169.4	2179.2	2173.1
17.5°	2159.6	2153.5	2136.3	2146.1	2140.0
20°	2124.1	2115.5	2097.2	2110.6	2104.5
22.5°	2081.3	2075.1	2053.1	2067.8	2061.7
25°	2038.4	2026.2	2007.8	2021.3	2020.0
27.5°	1987.0	1974.7	1956.4	1972.3	1969.8
30°	1933.1	1919.7	1903.7	1919.7	1919.7
32.5°	1876.8	1859.7	1847.4	1865.8	1871.9
35°	1818.0	1794.8	1786.2	1816.8	1820.5
37.5°	1753.2	1729.9	1722.5	1762.9	1772.7
40°	1688.3	1658.9	1660.1	1711.5	1726.2
42.5°	1616.0	1586.7	1600.1	1660.1	1687.0
45°	1543.8	1510.7	1535.2	1613.6	1641.7
47.5°	1467.9	1436.1	1476.5	1568.3	1603.8
50°	1385.9	1354.0	1414.0	1525.4	1565.8
52.5°	1302.6	1269.6	1354.0	1481.4	1518.1
55°	1220.6	1187.5	1297.7	1426.3	1453.2
57.5°	1132.4	1104.3	1239.0	1354.0	1381.0
60°	1045.5	1021.0	1182.6	1280.6	1306.3
62.5°	956.2	937.8	1114.1	1196.1	1210.8
65°	861.9	857.0	1033.3	1103.1	1112.9
67.5°	767.6	779.9	950.0	995.3	996.6
70°	670.9	704.0	854.5	874.1	865.6
72.5°	573.0	630.5	749.3	739.5	732.1
75°	467.7	546.0	625.6	598.7	585.2
77.5°	372.2	460.3	493.4	455.4	434.6
80°	277.9	363.6	361.2	312.2	301.2
82.5°	187.3	253.4	216.7	176.3	154.3
85°	100.4	134.7	91.8	63.7	60.0
87.5°	38.0	31.8	24.5	22.0	22.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)