

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-150-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 (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-150-HE-L950
Description: 4ft RSRK, 1500 LUMEN PER FOOT 90CRI 5000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

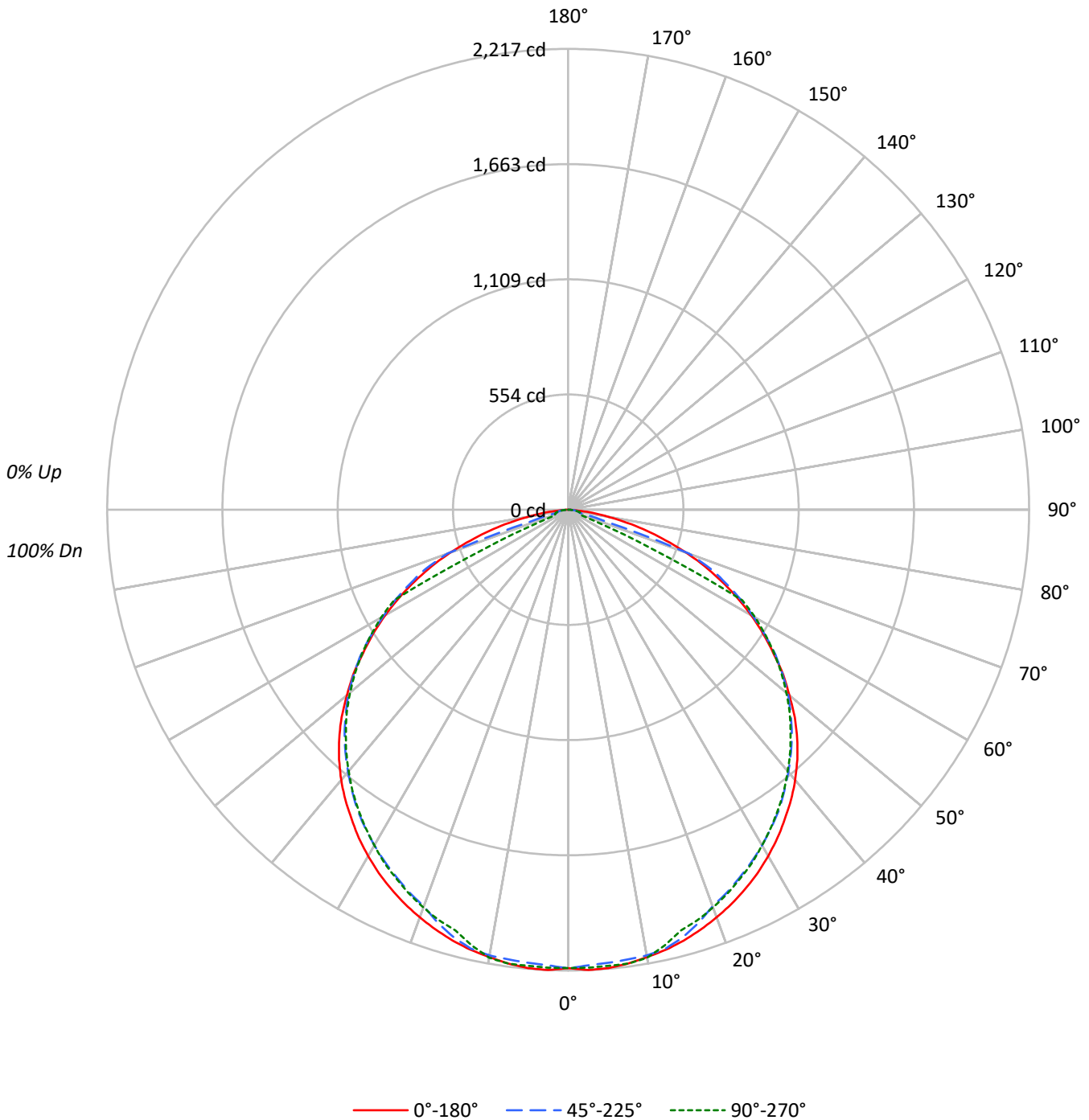
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6071.1 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.2
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

TEST NUMBER: P#
CATALOG NUMBER: 4RSRK-150-HE-L950

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-150-HE-L950

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°	5934	5934	5934
5°	5980	5911	5950
10°	5972	5949	5980
15°	5979	5932	5838
20°	5976	5815	5831
25°	5979	5795	5812
30°	5977	5794	5794
35°	5968	5801	5783
40°	5966	5788	5768
45°	5927	5788	5756
50°	5813	5778	5730
55°	5655	5708	5682
60°	5472	5533	5593
65°	5182	5326	2816
70°	4742	4853	532
75°	4070	585	645
80°	3056	741	741
85°	1565	781	695



TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-150-HE-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.5	3.5
10°-20°	600.2	9.9
20°-30°	912.4	15.0
30°-40°	1111.4	18.3
40°-50°	1176.1	19.4
50°-60°	1078.7	17.8
60°-70°	727.6	12.0
70°-80°	219.9	3.6
80°-90°	35.2	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°	1722.1	28.4
0°-40°	2833.6	46.7
0°-60°	5088.4	83.8
0°-90°	6071.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6071.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2205	2205	2205	2205	2205	
5°	2214	2197	2188	2208	2202	210
15°	2146	2135	2129	2112	2095	606
25°	2014	2011	1952	1972	1958	929
35°	1817	1777	1766	1772	1760	1138
45°	1558	1521	1521	1524	1512	1199
55°	1205	1188	1217	1217	1211	1079
65°	814	803	836	848	442	804
75°	392	394	56	62	62	415
85°	51	25	25	22	22	77
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-150-HE-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2205.3	2205.3	2205.3	2205.3	2205.3
2.5°	2216.6	2199.6	2194.1	2208.1	2205.3
5°	2213.7	2196.8	2188.4	2208.1	2202.5
7.5°	2202.5	2185.6	2182.8	2205.3	2202.5
10°	2185.6	2174.3	2177.1	2196.8	2188.4
12.5°	2168.7	2157.4	2163.0	2157.4	2146.1
15°	2146.1	2134.9	2129.2	2112.3	2095.4
17.5°	2118.0	2112.3	2084.2	2078.6	2070.1
20°	2087.0	2087.0	2030.6	2047.6	2036.3
22.5°	2053.2	2053.2	1994.1	2011.0	1999.7
25°	2013.8	2011.0	1951.8	1971.5	1957.5
27.5°	1971.5	1957.5	1909.6	1926.5	1915.2
30°	1923.7	1898.3	1864.5	1875.8	1864.5
32.5°	1872.9	1836.3	1816.6	1825.1	1813.8
35°	1816.6	1777.2	1766.0	1771.5	1760.3
37.5°	1760.3	1718.0	1706.8	1715.2	1703.9
40°	1698.4	1658.9	1647.6	1653.3	1642.0
42.5°	1630.8	1597.0	1585.7	1588.5	1580.0
45°	1557.5	1520.9	1520.9	1523.7	1512.4
47.5°	1478.6	1447.7	1450.5	1453.3	1444.8
50°	1388.5	1366.0	1380.1	1382.9	1368.8
52.5°	1304.1	1281.5	1298.4	1304.1	1292.8
55°	1205.4	1188.5	1216.7	1216.7	1211.1
57.5°	1112.5	1095.6	1123.8	1135.1	1126.6
60°	1016.7	999.9	1028.0	1047.7	1039.2
62.5°	915.3	901.3	935.1	960.4	943.5
65°	813.9	802.7	836.5	847.7	442.2
67.5°	709.7	701.3	740.8	267.6	70.4
70°	602.7	594.3	616.8	67.6	67.6
72.5°	492.9	495.7	197.2	64.8	64.8
75°	391.5	394.3	56.3	62.0	62.0
77.5°	290.1	295.7	53.5	56.3	56.3
80°	197.2	143.7	47.8	47.8	47.8
82.5°	118.3	33.8	36.6	36.6	33.8
85°	50.7	25.3	25.3	22.5	22.5
87.5°	16.9	11.3	11.3	8.5	8.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)