

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-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 (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-100-HE-L950
Description: 6ft RSRK, 1000 LUMEN PER FOOT 90CRI 5000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

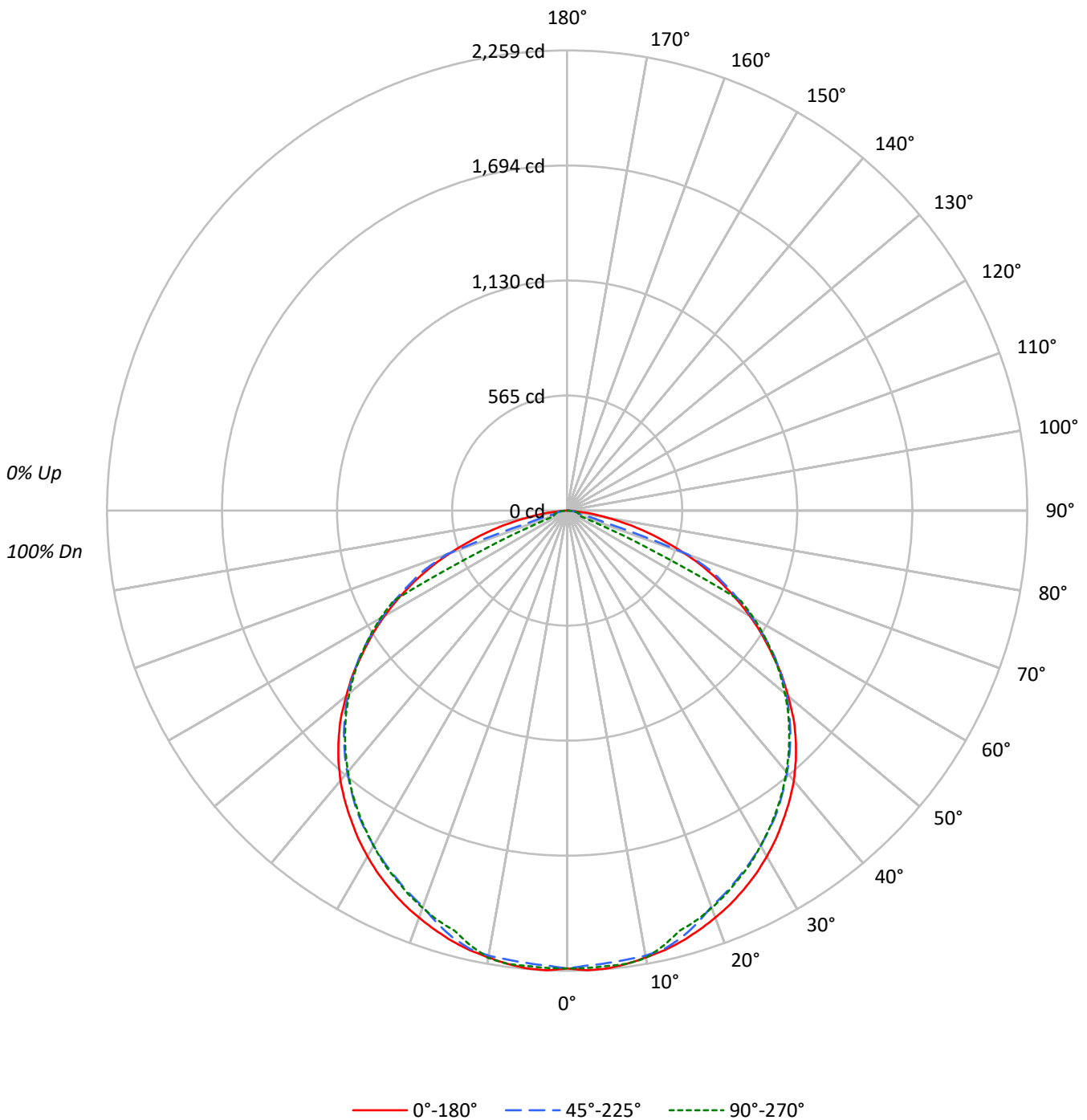
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6186.9 lumens
Efficiency: N/A
Efficacy: 214.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
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	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°	4032	4032	4032
5°	4063	4016	4042
10°	4057	4042	4062
15°	4062	4030	3966
20°	4060	3951	3962
25°	4062	3937	3949
30°	4061	3936	3936
35°	4054	3941	3929
40°	4053	3932	3919
45°	4027	3932	3910
50°	3949	3925	3893
55°	3842	3878	3860
60°	3717	3759	3800
65°	3521	3618	1913
70°	3222	3297	361
75°	2766	398	437
80°	2076	504	504
85°	1064	531	473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.5	3.5
10°-20°	611.6	9.9
20°-30°	929.8	15.0
30°-40°	1132.6	18.3
40°-50°	1198.5	19.4
50°-60°	1099.3	17.8
60°-70°	741.5	12.0
70°-80°	224.1	3.6
80°-90°	35.8	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°	1755.0	28.4
0°-40°	2887.6	46.7
0°-60°	5185.5	83.8
0°-90°	6186.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6186.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2247	2247	2247	2247	2247	
5°	2256	2239	2230	2250	2244	214
15°	2187	2176	2170	2153	2135	617
25°	2052	2049	1989	2009	1995	946
35°	1851	1811	1800	1805	1794	1159
45°	1587	1550	1550	1553	1541	1222
55°	1228	1211	1240	1240	1234	1099
65°	830	818	852	864	451	819
75°	399	402	57	63	63	423
85°	52	26	26	23	23	79
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2247.4	2247.4	2247.4	2247.4	2247.4
2.5°	2258.9	2241.6	2235.9	2250.2	2247.4
5°	2256.0	2238.8	2230.1	2250.2	2244.5
7.5°	2244.5	2227.3	2224.4	2247.4	2244.5
10°	2227.3	2215.8	2218.6	2238.8	2230.1
12.5°	2210.1	2198.6	2204.3	2198.6	2187.1
15°	2187.1	2175.6	2169.9	2152.7	2135.4
17.5°	2158.4	2152.7	2124.0	2118.2	2109.6
20°	2126.8	2126.8	2069.4	2086.7	2075.2
22.5°	2092.4	2092.4	2032.1	2049.3	2037.9
25°	2052.2	2049.3	1989.0	2009.1	1994.8
27.5°	2009.1	1994.8	1946.0	1963.2	1951.7
30°	1960.4	1934.5	1900.1	1911.6	1900.1
32.5°	1908.7	1871.4	1851.3	1859.9	1848.4
35°	1851.3	1811.1	1799.7	1805.3	1793.8
37.5°	1793.8	1750.8	1739.3	1747.9	1736.4
40°	1730.8	1690.5	1679.0	1684.8	1673.4
42.5°	1661.9	1627.4	1616.0	1618.8	1610.2
45°	1587.2	1549.9	1549.9	1552.8	1541.3
47.5°	1506.8	1475.3	1478.2	1481.0	1472.4
50°	1415.0	1392.0	1406.4	1409.3	1394.9
52.5°	1328.9	1306.0	1323.1	1328.9	1317.5
55°	1228.5	1211.2	1239.9	1239.9	1234.2
57.5°	1133.8	1116.5	1145.2	1156.7	1148.1
60°	1036.1	1019.0	1047.6	1067.7	1059.1
62.5°	932.8	918.5	952.9	978.7	961.6
65°	829.5	818.0	852.4	863.9	450.6
67.5°	723.3	714.6	754.9	272.7	71.7
70°	614.2	605.6	628.6	68.9	68.9
72.5°	502.3	505.2	200.9	66.0	66.0
75°	399.0	401.8	57.4	63.1	63.1
77.5°	295.7	301.3	54.6	57.4	57.4
80°	200.9	146.4	48.8	48.8	48.8
82.5°	120.5	34.4	37.3	37.3	34.4
85°	51.7	25.8	25.8	23.0	23.0
87.5°	17.2	11.5	11.5	8.6	8.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)