

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-200-HE-L940**

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-200-HE-L940
Description: 4ft RSRK, 2000 LUMEN PER FOOT 90CRI 4000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

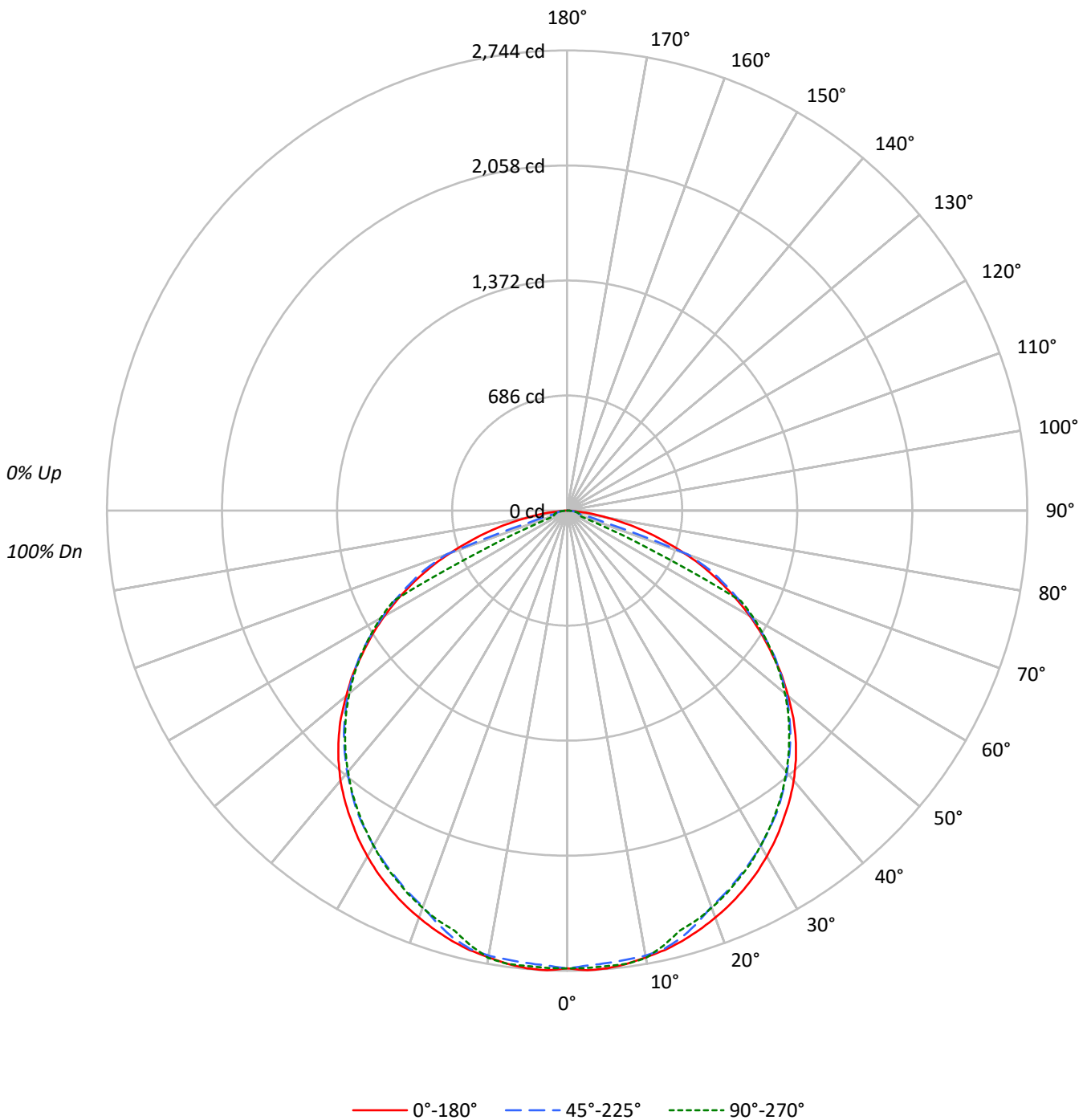
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7514.8 lumens
Efficiency: N/A
Efficacy: 122.8 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): 61.2
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

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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°	7346	7346	7346
5°	7402	7317	7364
10°	7392	7364	7402
15°	7401	7343	7226
20°	7398	7198	7218
25°	7401	7173	7194
30°	7399	7171	7171
35°	7387	7181	7158
40°	7385	7164	7140
45°	7337	7164	7124
50°	7195	7152	7093
55°	7000	7066	7033
60°	6773	6848	6923
65°	6415	6593	3485
70°	5870	6007	659
75°	5038	725	797
80°	3781	917	917
85°	1939	966	861



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.3	3.5
10°-20°	742.9	9.9
20°-30°	1129.4	15.0
30°-40°	1375.7	18.3
40°-50°	1455.8	19.4
50°-60°	1335.3	17.8
60°-70°	900.6	12.0
70°-80°	272.2	3.6
80°-90°	43.5	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°	2131.7	28.4
0°-40°	3507.4	46.7
0°-60°	6298.5	83.8
0°-90°	7514.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7514.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2730	2730	2730	2730	2730	
5°	2740	2719	2709	2733	2726	260
15°	2656	2643	2636	2615	2594	750
25°	2493	2489	2416	2440	2423	1149
35°	2249	2200	2186	2193	2179	1408
45°	1928	1883	1883	1886	1872	1484
55°	1492	1471	1506	1506	1499	1335
65°	1008	994	1035	1049	547	995
75°	485	488	70	77	77	513
85°	63	31	31	28	28	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2729.8	2729.8	2729.8	2729.8	2729.8
2.5°	2743.7	2722.7	2715.8	2733.2	2729.8
5°	2740.2	2719.3	2708.8	2733.2	2726.3
7.5°	2726.3	2705.3	2701.9	2729.8	2726.3
10°	2705.3	2691.4	2694.8	2719.3	2708.8
12.5°	2684.4	2670.5	2677.4	2670.5	2656.5
15°	2656.5	2642.6	2635.6	2614.7	2593.8
17.5°	2621.7	2614.7	2579.8	2572.9	2562.4
20°	2583.3	2583.3	2513.6	2534.6	2520.6
22.5°	2541.4	2541.4	2468.3	2489.2	2475.2
25°	2492.7	2489.2	2415.9	2440.4	2423.0
27.5°	2440.4	2423.0	2363.7	2384.6	2370.7
30°	2381.2	2349.7	2307.9	2321.9	2307.9
32.5°	2318.3	2273.0	2248.6	2259.1	2245.2
35°	2248.6	2199.9	2185.9	2192.8	2178.9
37.5°	2178.9	2126.6	2112.7	2123.1	2109.1
40°	2102.3	2053.4	2039.4	2046.5	2032.5
42.5°	2018.6	1976.8	1962.8	1966.3	1955.8
45°	1927.9	1882.6	1882.6	1886.0	1872.1
47.5°	1830.2	1791.9	1795.5	1798.9	1788.4
50°	1718.7	1690.8	1708.3	1711.8	1694.3
52.5°	1614.2	1586.3	1607.1	1614.2	1600.2
55°	1492.1	1471.2	1506.1	1506.1	1499.1
57.5°	1377.1	1356.1	1391.1	1405.0	1394.5
60°	1258.5	1237.7	1272.4	1296.9	1286.4
62.5°	1133.0	1115.6	1157.4	1188.8	1167.9
65°	1007.5	993.5	1035.4	1049.3	547.3
67.5°	878.5	868.0	916.9	331.2	87.1
70°	746.1	735.6	763.5	83.7	83.7
72.5°	610.1	613.6	244.0	80.2	80.2
75°	484.6	488.1	69.7	76.7	76.7
77.5°	359.1	366.0	66.3	69.7	69.7
80°	244.0	177.8	59.2	59.2	59.2
82.5°	146.4	41.8	45.3	45.3	41.8
85°	62.8	31.3	31.3	27.9	27.9
87.5°	20.9	13.9	13.9	10.5	10.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)