

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-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-150-HE-L940
Description: 4ft RSRK, 1500 LUMEN PER FOOT 90CRI 4000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

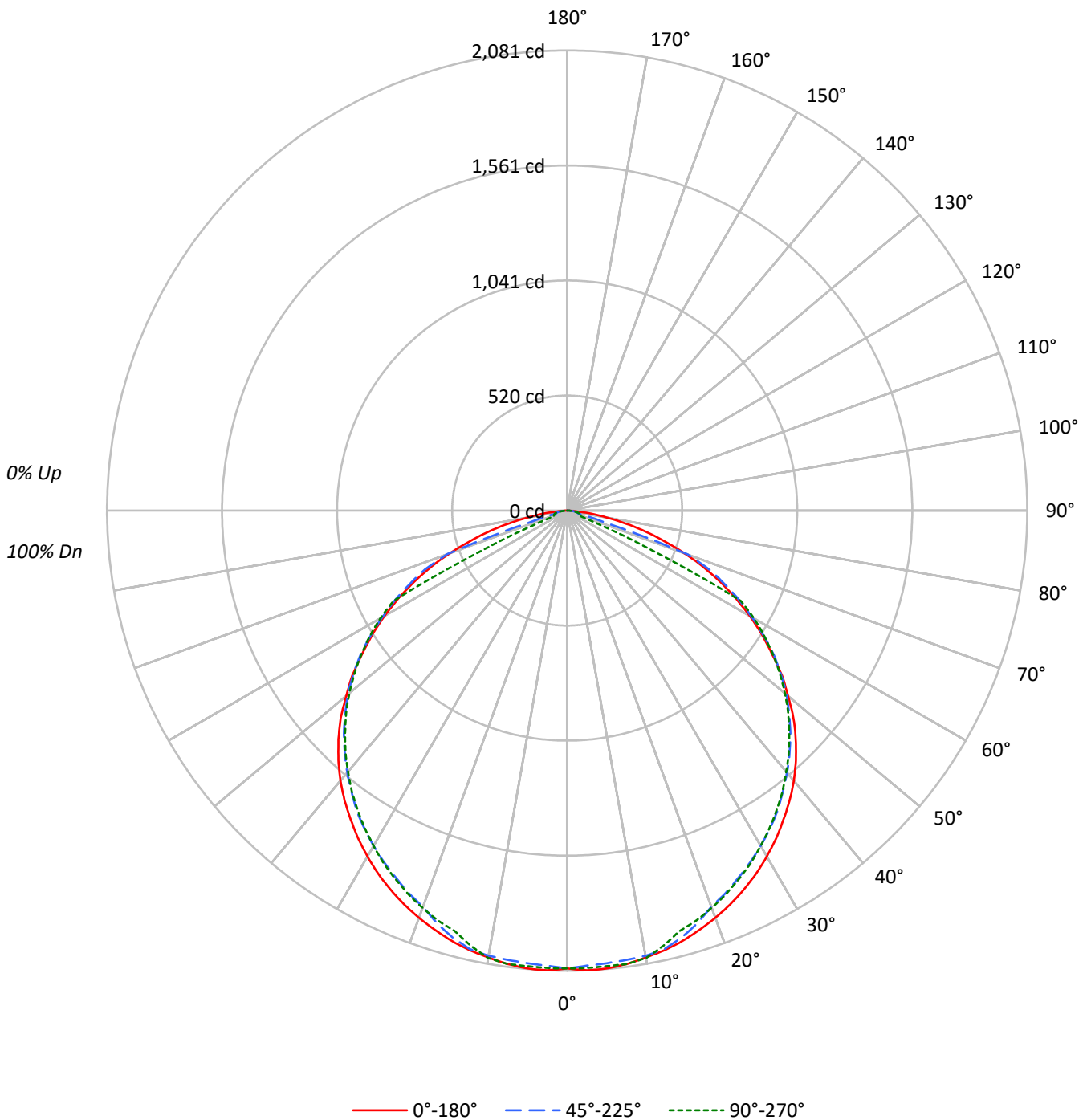
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5700.5 lumens
Efficiency: N/A
Efficacy: 129.0 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

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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°	5572	5572	5572
5°	5615	5551	5586
10°	5608	5586	5615
15°	5614	5570	5481
20°	5612	5460	5475
25°	5614	5441	5457
30°	5613	5440	5440
35°	5603	5447	5430
40°	5602	5434	5416
45°	5565	5435	5404
50°	5458	5425	5380
55°	5310	5360	5335
60°	5138	5195	5252
65°	4866	5001	2644
70°	4452	4557	500
75°	3822	550	605
80°	2868	696	696
85°	1470	735	655



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.7	3.5
10°-20°	563.6	9.9
20°-30°	856.7	15.0
30°-40°	1043.6	18.3
40°-50°	1104.3	19.4
50°-60°	1012.9	17.8
60°-70°	683.2	12.0
70°-80°	206.5	3.6
80°-90°	33.0	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°	1617.0	28.4
0°-40°	2660.6	46.7
0°-60°	4777.8	83.8
0°-90°	5700.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5700.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2071	2071	2071	2071	2071	
5°	2079	2063	2055	2073	2068	197
15°	2015	2005	1999	1983	1968	569
25°	1891	1888	1833	1851	1838	872
35°	1706	1669	1658	1663	1653	1068
45°	1462	1428	1428	1431	1420	1126
55°	1132	1116	1142	1142	1137	1013
65°	764	754	785	796	415	754
75°	368	370	53	58	58	390
85°	48	24	24	21	21	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2070.7	2070.7	2070.7	2070.7	2070.7
2.5°	2081.3	2065.4	2060.1	2073.3	2070.7
5°	2078.6	2062.7	2054.8	2073.3	2068.0
7.5°	2068.0	2052.2	2049.5	2070.7	2068.0
10°	2052.2	2041.6	2044.2	2062.7	2054.8
12.5°	2036.3	2025.7	2031.0	2025.7	2015.1
15°	2015.1	2004.6	1999.3	1983.4	1967.5
17.5°	1988.7	1983.4	1957.0	1951.7	1943.8
20°	1959.6	1959.6	1906.7	1922.6	1912.0
22.5°	1927.8	1927.8	1872.3	1888.2	1877.6
25°	1890.9	1888.2	1832.6	1851.2	1838.0
27.5°	1851.2	1838.0	1793.0	1808.9	1798.3
30°	1806.3	1782.4	1750.7	1761.3	1750.7
32.5°	1758.6	1724.2	1705.7	1713.7	1703.1
35°	1705.7	1668.7	1658.2	1663.4	1652.8
37.5°	1652.8	1613.2	1602.6	1610.5	1599.9
40°	1594.7	1557.6	1547.0	1552.4	1541.8
42.5°	1531.2	1499.5	1488.9	1491.5	1483.6
45°	1462.4	1428.1	1428.1	1430.7	1420.1
47.5°	1388.4	1359.3	1362.0	1364.6	1356.6
50°	1303.7	1282.6	1295.8	1298.5	1285.2
52.5°	1224.5	1203.3	1219.1	1224.5	1213.9
55°	1131.9	1116.0	1142.4	1142.4	1137.2
57.5°	1044.6	1028.7	1055.2	1065.8	1057.8
60°	954.6	938.8	965.2	983.8	975.8
62.5°	859.4	846.3	878.0	901.8	886.0
65°	764.2	753.7	785.4	796.0	415.2
67.5°	666.4	658.5	695.5	251.3	66.1
70°	565.9	558.0	579.2	63.5	63.5
72.5°	462.8	465.4	185.1	60.9	60.9
75°	367.6	370.2	52.9	58.2	58.2
77.5°	272.4	277.6	50.3	52.9	52.9
80°	185.1	134.9	44.9	44.9	44.9
82.5°	111.1	31.7	34.3	34.3	31.7
85°	47.6	23.8	23.8	21.2	21.2
87.5°	15.9	10.6	10.6	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)