

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-L830**

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-L830
Description: 4ft RSRK, 1500 LUMEN PER FOOT 80CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

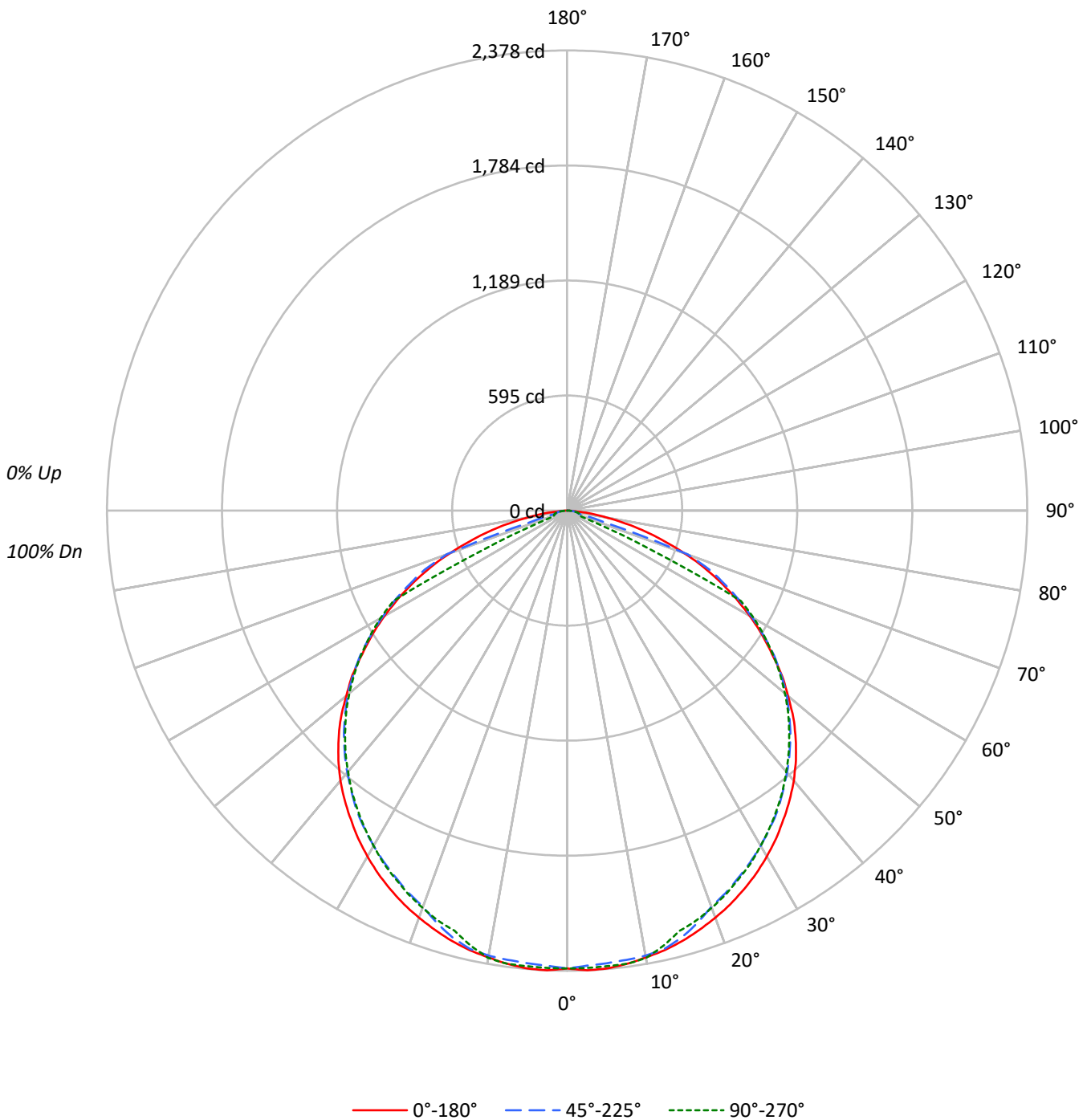
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6513.4 lumens
Efficiency: N/A
Efficacy: 147.4 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

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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°	6367	6367	6367
5°	6415	6342	6383
10°	6407	6382	6415
15°	6415	6364	6263
20°	6412	6239	6256
25°	6415	6217	6236
30°	6413	6216	6216
35°	6402	6224	6204
40°	6401	6209	6189
45°	6359	6210	6175
50°	6237	6198	6148
55°	6068	6124	6096
60°	5871	5936	6001
65°	5560	5714	3021
70°	5087	5207	570
75°	4367	628	691
80°	3278	795	795
85°	1680	840	747



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.8	3.5
10°-20°	643.9	9.9
20°-30°	978.9	15.0
30°-40°	1192.4	18.3
40°-50°	1261.8	19.4
50°-60°	1157.4	17.8
60°-70°	780.6	12.0
70°-80°	235.9	3.6
80°-90°	37.7	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°	1847.6	28.4
0°-40°	3040.0	46.7
0°-60°	5459.1	83.8
0°-90°	6513.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6513.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2366	2366	2366	2366	2366	
5°	2375	2357	2348	2369	2363	226
15°	2302	2290	2284	2266	2248	650
25°	2160	2158	2094	2115	2100	996
35°	1949	1907	1895	1901	1888	1220
45°	1671	1632	1632	1635	1623	1287
55°	1293	1275	1305	1305	1299	1158
65°	873	861	897	910	474	862
75°	420	423	60	66	66	445
85°	54	27	27	24	24	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2366.0	2366.0	2366.0	2366.0	2366.0
2.5°	2378.1	2359.9	2353.9	2369.0	2366.0
5°	2375.0	2356.9	2347.8	2369.0	2363.0
7.5°	2363.0	2344.8	2341.8	2366.0	2363.0
10°	2344.8	2332.7	2335.7	2356.9	2347.8
12.5°	2326.7	2314.6	2320.7	2314.6	2302.5
15°	2302.5	2290.4	2284.4	2266.3	2248.1
17.5°	2272.3	2266.3	2236.0	2230.0	2221.0
20°	2239.0	2239.0	2178.6	2196.8	2184.7
22.5°	2202.8	2202.8	2139.4	2157.5	2145.4
25°	2160.5	2157.5	2094.0	2115.2	2100.1
27.5°	2115.2	2100.1	2048.7	2066.8	2054.7
30°	2063.8	2036.6	2000.4	2012.4	2000.4
32.5°	2009.4	1970.1	1948.9	1958.1	1946.0
35°	1948.9	1906.7	1894.6	1900.6	1888.5
37.5°	1888.5	1843.2	1831.1	1840.2	1828.1
40°	1822.1	1779.7	1767.6	1773.8	1761.7
42.5°	1749.6	1713.3	1701.2	1704.2	1695.1
45°	1671.0	1631.7	1631.7	1634.7	1622.6
47.5°	1586.3	1553.1	1556.2	1559.2	1550.1
50°	1489.7	1465.5	1480.6	1483.7	1468.5
52.5°	1399.1	1374.9	1393.0	1399.1	1387.0
55°	1293.3	1275.2	1305.4	1305.4	1299.3
57.5°	1193.6	1175.4	1205.7	1217.8	1208.7
60°	1090.8	1072.7	1102.9	1124.1	1115.0
62.5°	982.0	966.9	1003.2	1030.4	1012.3
65°	873.2	861.1	897.4	909.5	474.4
67.5°	761.5	752.4	794.7	287.1	75.5
70°	646.6	637.6	661.8	72.5	72.5
72.5°	528.8	531.8	211.5	69.5	69.5
75°	420.0	423.0	60.4	66.5	66.5
77.5°	311.3	317.2	57.4	60.4	60.4
80°	211.5	154.1	51.3	51.3	51.3
82.5°	126.9	36.3	39.2	39.2	36.3
85°	54.4	27.2	27.2	24.2	24.2
87.5°	18.1	12.1	12.1	9.1	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)