

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-TS-200-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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-TS-200-HE-L830
Description: 4ft RSRK, 2000 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

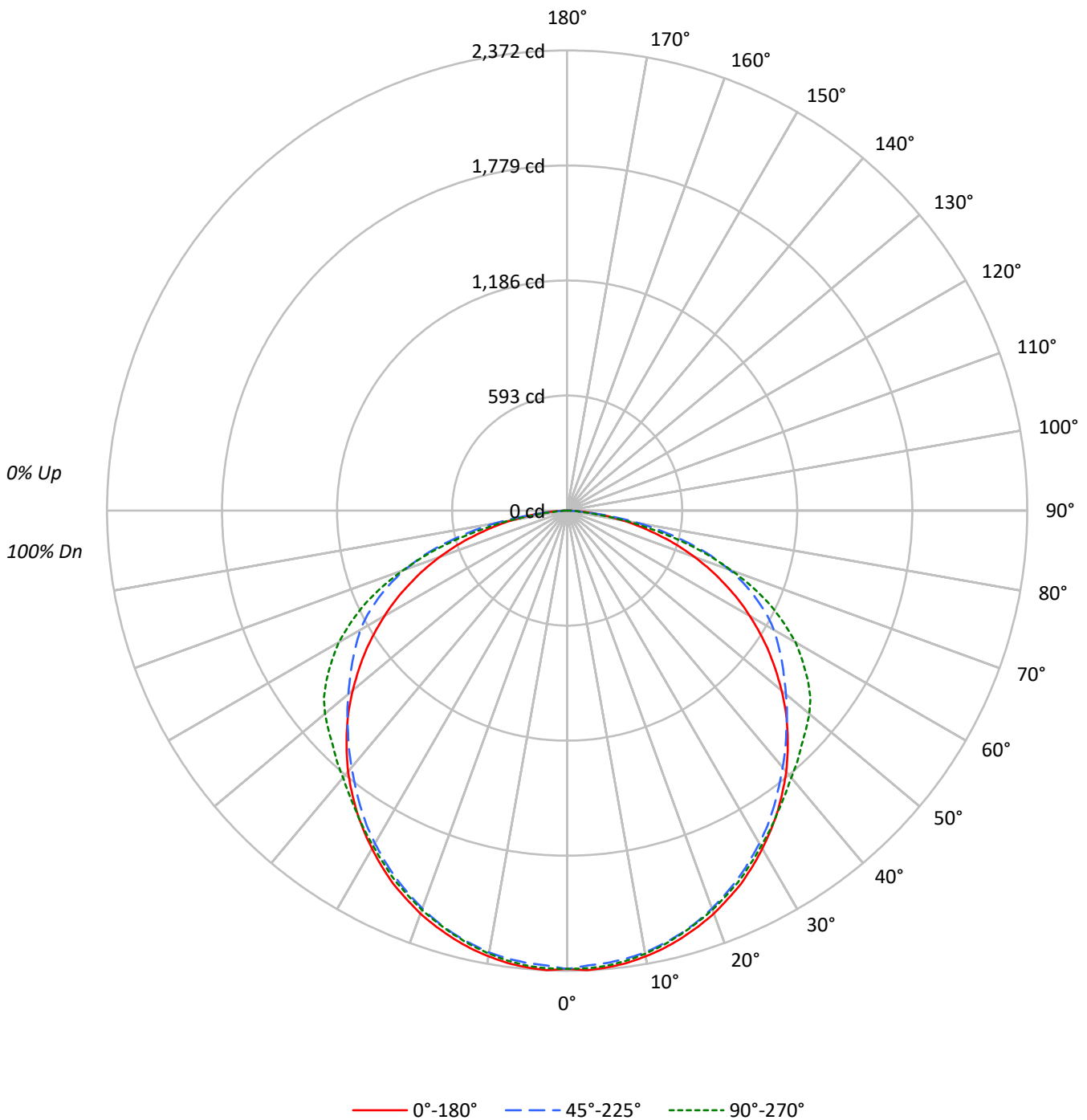
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7273.8 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6358	6358	6358
5°	6386	6323	6361
10°	6376	6320	6337
15°	6355	6291	6301
20°	6332	6251	6273
25°	6300	6205	6243
30°	6252	6157	6209
35°	6217	6108	6225
40°	6173	6070	6312
45°	6115	6081	6503
50°	6039	6162	6823
55°	5961	6337	7096
60°	5857	6625	7318
65°	5712	6848	7376
70°	5494	6998	7089
75°	5061	6771	6333
80°	4483	5825	4858
85°	3226	2952	1927



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.7	3.1
10°-20°	640.3	8.8
20°-30°	969.5	13.3
30°-40°	1175.9	16.2
40°-50°	1258.0	17.3
50°-60°	1219.3	16.8
60°-70°	1021.1	14.0
70°-80°	627.5	8.6
80°-90°	138.6	1.9
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°	1833.5	25.2
0°-40°	3009.5	41.4
0°-60°	5486.7	75.4
0°-90°	7273.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7273.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2363	2363	2363	2363	2363	
5°	2364	2359	2341	2356	2355	225
15°	2281	2276	2258	2268	2262	644
25°	2122	2109	2090	2104	2103	977
35°	1892	1868	1859	1891	1895	1183
45°	1607	1572	1598	1680	1709	1239
55°	1270	1236	1351	1485	1513	1134
65°	897	892	1076	1148	1158	887
75°	487	568	651	623	609	518
85°	104	140	96	66	62	132
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2362.6	2362.6	2362.6	2362.6	2362.6
2.5°	2371.5	2365.2	2347.3	2362.6	2361.3
5°	2363.9	2358.8	2340.9	2356.2	2355.0
7.5°	2352.4	2347.3	2329.5	2344.8	2340.9
10°	2333.3	2329.5	2312.9	2324.4	2319.3
12.5°	2310.4	2306.5	2287.4	2300.2	2293.8
15°	2281.1	2276.0	2258.1	2268.3	2261.9
17.5°	2247.9	2241.5	2223.7	2233.9	2227.5
20°	2211.0	2202.0	2182.9	2196.9	2190.6
22.5°	2166.4	2160.0	2137.1	2152.3	2146.0
25°	2121.8	2109.0	2089.9	2103.9	2102.6
27.5°	2068.2	2055.5	2036.4	2052.9	2050.4
30°	2012.2	1998.2	1981.6	1998.2	1998.2
32.5°	1953.5	1935.7	1923.0	1942.1	1948.5
35°	1892.4	1868.2	1859.2	1891.1	1894.9
37.5°	1824.8	1800.6	1793.0	1835.0	1845.2
40°	1757.3	1726.7	1728.0	1781.5	1796.8
42.5°	1682.1	1651.5	1665.6	1728.0	1756.0
45°	1606.9	1572.5	1598.0	1679.6	1708.9
47.5°	1527.9	1494.8	1536.8	1632.4	1669.4
50°	1442.5	1409.4	1471.9	1587.8	1629.9
52.5°	1355.9	1321.5	1409.4	1541.9	1580.2
55°	1270.5	1236.1	1350.8	1484.6	1512.6
57.5°	1178.8	1149.4	1289.6	1409.4	1437.4
60°	1088.3	1062.8	1231.0	1333.0	1359.7
62.5°	995.3	976.1	1159.6	1245.0	1260.3
65°	897.1	892.0	1075.5	1148.2	1158.4
67.5°	799.0	811.7	988.9	1036.0	1037.3
70°	698.3	732.7	889.5	909.9	901.0
72.5°	596.4	656.3	779.9	769.7	762.0
75°	486.8	568.4	651.2	623.1	609.1
77.5°	387.4	479.1	513.6	474.1	452.4
80°	289.3	378.5	375.9	325.0	313.5
82.5°	195.0	263.8	225.6	183.5	160.6
85°	104.5	140.2	95.6	66.3	62.4
87.5°	39.5	33.1	25.5	22.9	22.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)