

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-TB-200-HE-L930**

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 (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-TB-200-HE-L930
Description: 4ft RSRK, 2000 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

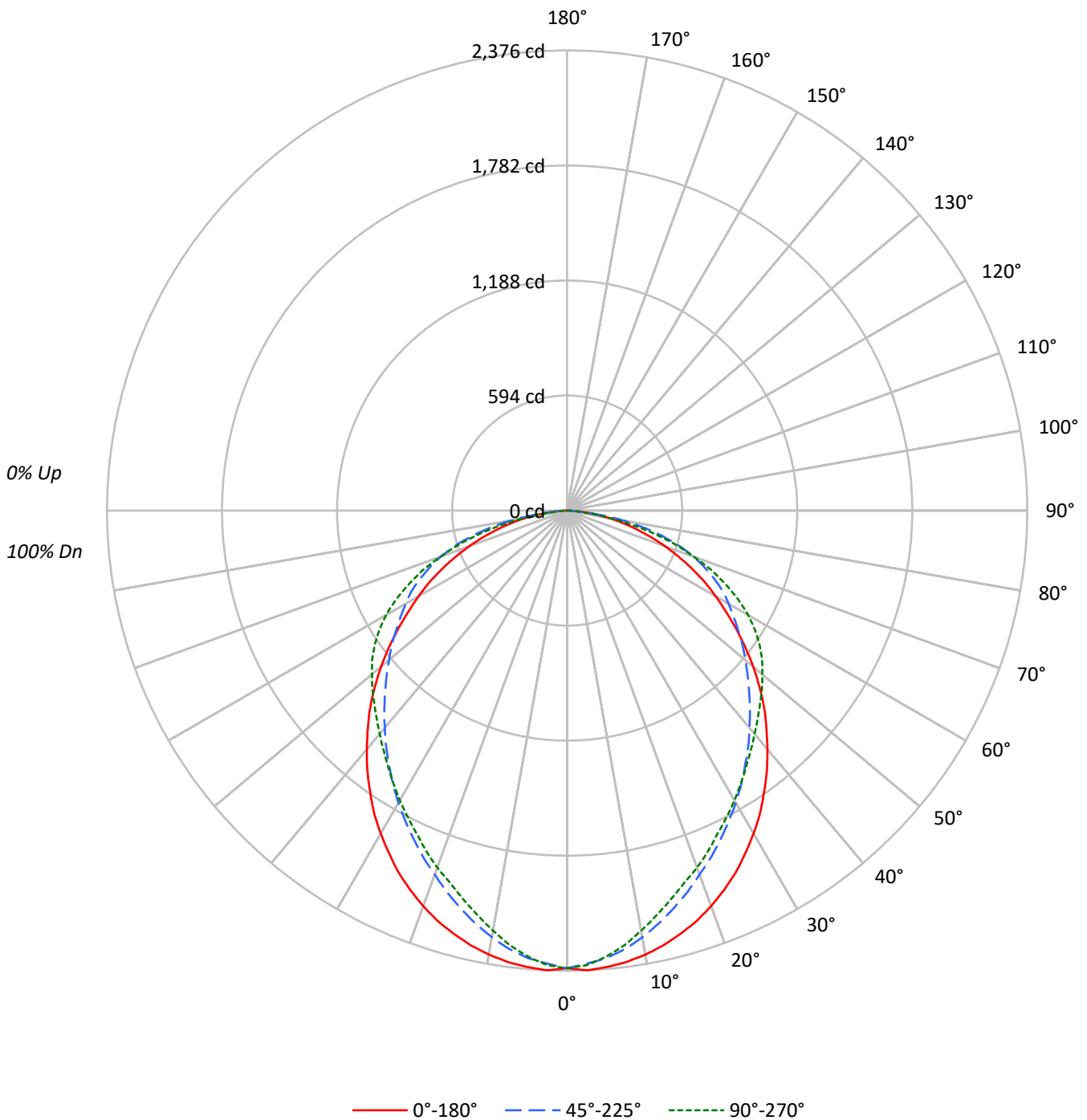
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6181.7 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
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

TEST NUMBER: P#
CATALOG NUMBER: 4RSRK-TB-200-HE-L930

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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6359	6359	6359
5°	6390	6266	6244
10°	6359	6113	6017
15°	6301	5922	5784
20°	6223	5727	5617
25°	6120	5563	5461
30°	5984	5413	5370
35°	5825	5266	5296
40°	5650	5144	5289
45°	5475	5058	5360
50°	5251	5023	5508
55°	5001	5056	5695
60°	4766	5184	5808
65°	4534	5346	5757
70°	4236	5461	5473
75°	3802	5299	4902
80°	3329	4497	3642
85°	2498	2377	1538



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.2	3.6
10°-20°	606.0	9.8
20°-30°	881.6	14.3
30°-40°	1031.1	16.7
40°-50°	1059.9	17.1
50°-60°	986.1	16.0
60°-70°	802.1	13.0
70°-80°	485.8	7.9
80°-90°	108.8	1.8
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°	1707.9	27.6
0°-40°	2739.0	44.3
0°-60°	4785.0	77.4
0°-90°	6181.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6181.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2363	2363	2363	2363	2363	
5°	2365	2351	2320	2324	2312	225
15°	2262	2214	2126	2094	2076	638
25°	2061	1974	1874	1855	1839	948
35°	1773	1679	1603	1613	1612	1109
45°	1439	1346	1329	1387	1408	1108
55°	1066	1008	1078	1187	1214	954
65°	712	699	840	906	904	705
75°	366	435	510	487	472	392
85°	81	111	77	56	50	99
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2363.1	2363.1	2363.1	2363.1	2363.1
2.5°	2375.5	2364.6	2341.3	2354.5	2349.1
5°	2365.4	2351.4	2319.5	2324.2	2311.7
7.5°	2350.6	2330.4	2284.5	2275.2	2264.3
10°	2327.3	2297.7	2237.0	2222.2	2202.0
12.5°	2298.5	2260.4	2184.1	2157.7	2139.0
15°	2261.9	2213.7	2125.8	2093.9	2076.0
17.5°	2222.2	2162.3	2065.1	2032.4	2013.7
20°	2173.2	2104.8	1999.7	1972.5	1961.6
22.5°	2118.8	2040.2	1939.0	1914.9	1902.5
25°	2061.2	1974.0	1873.7	1855.0	1839.4
27.5°	1993.5	1904.8	1807.5	1794.3	1783.4
30°	1925.8	1834.8	1742.2	1732.8	1728.2
32.5°	1854.2	1755.4	1673.7	1672.1	1669.8
35°	1773.3	1679.1	1602.9	1613.0	1612.2
37.5°	1694.7	1598.2	1536.0	1553.9	1557.8
40°	1608.3	1514.2	1464.4	1494.7	1505.6
42.5°	1523.5	1433.3	1397.5	1438.7	1456.6
45°	1438.7	1346.1	1329.0	1387.3	1408.4
47.5°	1346.1	1262.9	1264.4	1339.1	1364.0
50°	1254.3	1176.5	1199.8	1287.0	1315.8
52.5°	1159.4	1092.5	1141.5	1236.4	1269.1
55°	1066.0	1007.6	1077.7	1187.4	1213.8
57.5°	972.6	925.9	1019.3	1124.4	1150.8
60°	885.5	845.0	963.3	1059.0	1079.2
62.5°	802.2	769.5	908.0	987.4	997.5
65°	712.0	698.7	839.6	906.5	904.2
67.5°	623.3	626.4	769.5	813.1	809.2
70°	538.4	563.3	694.1	712.0	695.6
72.5°	451.3	498.0	606.1	604.6	588.2
75°	365.7	435.0	509.7	487.1	471.5
77.5°	291.8	367.3	404.6	373.5	348.6
80°	214.8	294.1	290.2	255.2	235.0
82.5°	140.8	204.6	179.7	144.7	135.4
85°	80.9	111.3	77.0	56.0	49.8
87.5°	34.2	29.6	19.5	17.9	16.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)