

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-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 (G3-1810-975-9)
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-L940
Description: 4ft RSRK, 2000 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

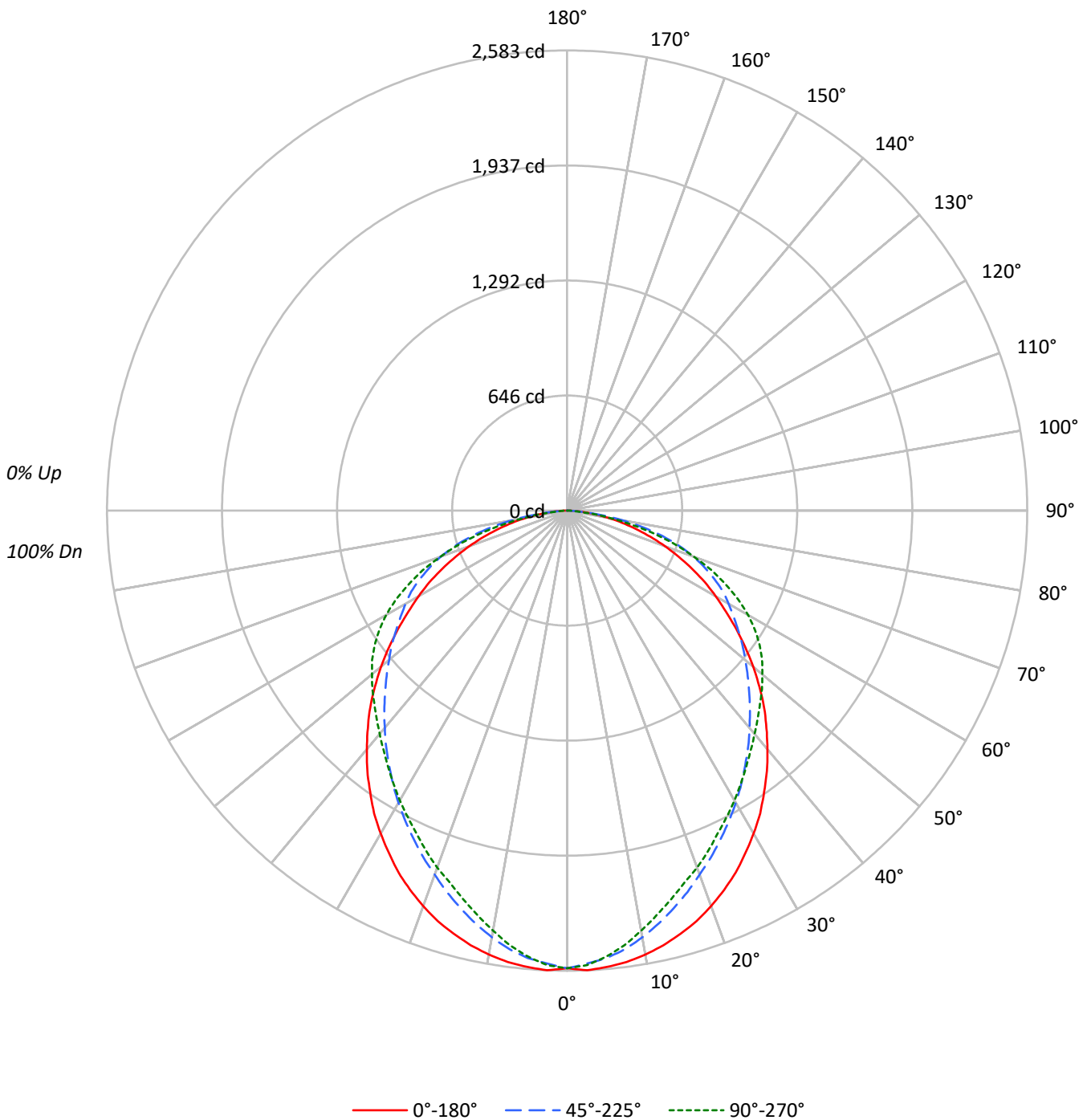
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6720.6 lumens
Efficiency: N/A
Efficacy: 109.8 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

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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83				83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69				69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58				58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49				49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43				43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37				37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33				33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30				30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27				27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6913	6913	6913
5°	6947	6812	6789
10°	6914	6646	6542
15°	6851	6439	6288
20°	6766	6226	6107
25°	6654	6048	5938
30°	6506	5885	5838
35°	6333	5725	5758
40°	6143	5593	5750
45°	5952	5499	5827
50°	5709	5461	5989
55°	5437	5497	6191
60°	5181	5637	6315
65°	4928	5812	6259
70°	4606	5937	5950
75°	4134	5761	5330
80°	3618	4889	3959
85°	2717	2584	1670



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.5	3.6
10°-20°	658.8	9.8
20°-30°	958.5	14.3
30°-40°	1121.0	16.7
40°-50°	1152.3	17.1
50°-60°	1072.0	16.0
60°-70°	872.0	13.0
70°-80°	528.2	7.9
80°-90°	118.3	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°	1856.8	27.6
0°-40°	2977.8	44.3
0°-60°	5202.1	77.4
0°-90°	6720.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6720.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2569	2569	2569	2569	2569	
5°	2572	2556	2522	2527	2513	244
15°	2459	2407	2311	2276	2257	694
25°	2241	2146	2037	2017	2000	1031
35°	1928	1826	1743	1754	1753	1206
45°	1564	1464	1445	1508	1531	1204
55°	1159	1096	1172	1291	1320	1037
65°	774	760	913	986	983	766
75°	398	473	554	530	513	426
85°	88	121	84	61	54	107
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2569.1	2569.1	2569.1	2569.1	2569.1
2.5°	2582.7	2570.8	2545.4	2559.8	2553.9
5°	2571.7	2556.4	2521.7	2526.8	2513.3
7.5°	2555.6	2533.6	2483.7	2473.5	2461.7
10°	2530.2	2498.1	2432.1	2416.0	2394.0
12.5°	2498.9	2457.5	2374.6	2345.8	2325.5
15°	2459.1	2406.7	2311.1	2276.4	2257.0
17.5°	2416.0	2350.9	2245.1	2209.6	2189.3
20°	2362.7	2288.3	2174.1	2144.5	2132.6
22.5°	2303.5	2218.1	2108.1	2081.9	2068.3
25°	2240.9	2146.2	2037.0	2016.7	1999.8
27.5°	2167.3	2070.9	1965.1	1950.7	1938.9
30°	2093.7	1994.7	1894.1	1883.9	1878.8
32.5°	2015.9	1908.4	1819.6	1817.9	1815.4
35°	1927.9	1825.5	1742.6	1753.6	1752.8
37.5°	1842.5	1737.6	1669.9	1689.3	1693.6
40°	1748.6	1646.2	1592.1	1625.1	1636.9
42.5°	1656.4	1558.2	1519.3	1564.1	1583.6
45°	1564.1	1463.5	1444.9	1508.3	1531.2
47.5°	1463.5	1373.0	1374.7	1455.9	1482.9
50°	1363.7	1279.1	1304.4	1399.2	1430.5
52.5°	1260.5	1187.7	1241.0	1344.2	1379.7
55°	1158.9	1095.5	1171.6	1290.9	1319.7
57.5°	1057.4	1006.7	1108.2	1222.4	1251.1
60°	962.7	918.7	1047.3	1151.3	1173.3
62.5°	872.2	836.6	987.2	1073.5	1084.5
65°	774.0	759.7	912.8	985.5	983.0
67.5°	677.6	681.0	836.6	884.0	879.8
70°	585.4	612.5	754.6	774.0	756.3
72.5°	490.6	541.4	659.0	657.3	639.5
75°	397.6	472.9	554.1	529.6	512.6
77.5°	317.2	399.3	439.9	406.1	379.0
80°	233.5	319.8	315.5	277.5	255.5
82.5°	153.1	222.5	195.4	157.3	147.2
85°	88.0	121.0	83.7	60.9	54.1
87.5°	37.2	32.1	21.1	19.5	17.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)