

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: **6RSRK-TB-200-HE-L940**

Issue Date: 3/3/2020



**Test Information**

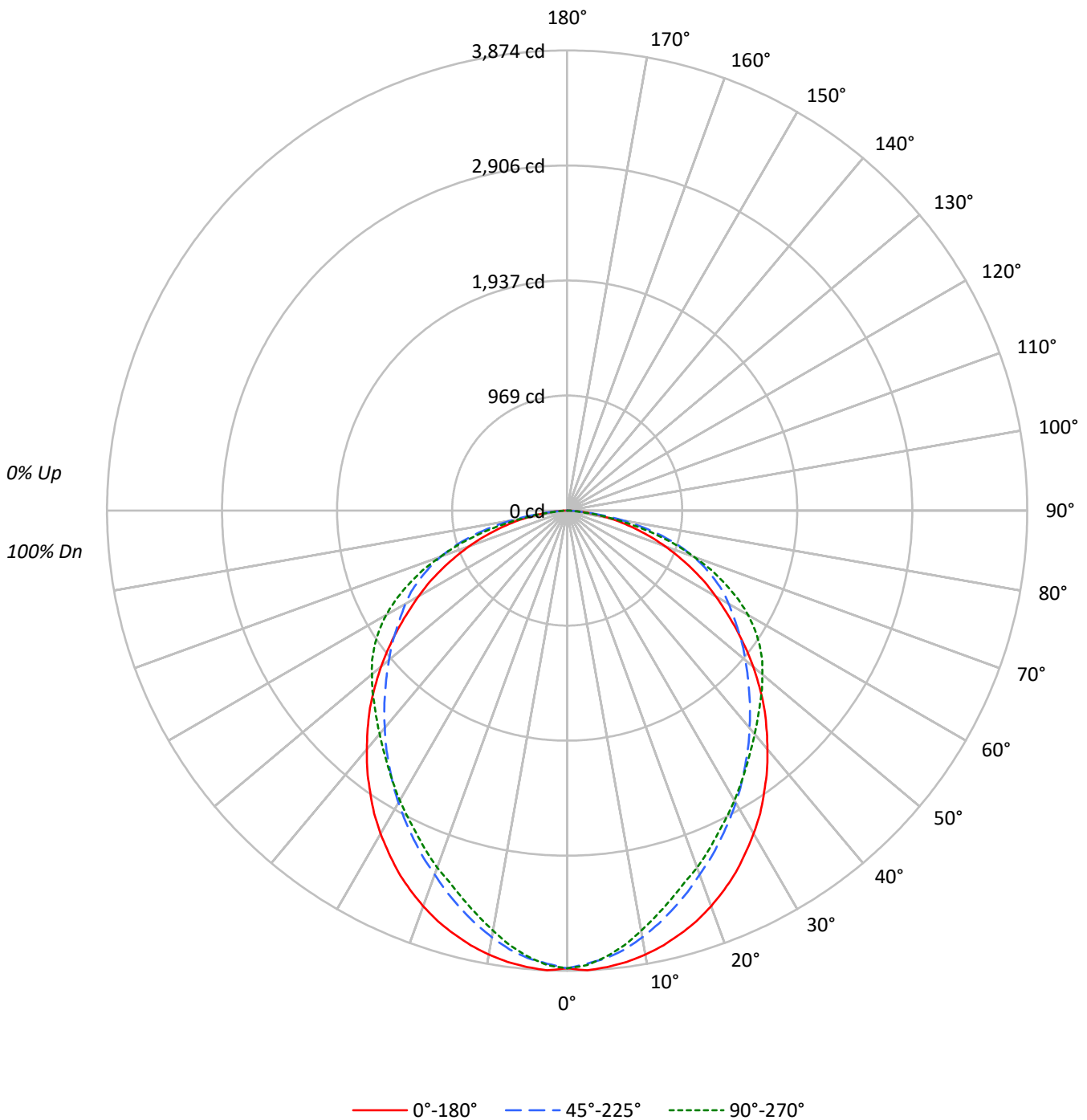
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TB-200-HE-L940  
Description: 6ft RSRK, 2000 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10080.9 lumens  
Efficiency: N/A  
Efficacy: 164.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26  
Luminous Opening: Rectangular (W 1' x L: 6' 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°	6142	5593	5750
45°	5952	5499	5827
50°	5709	5461	5989
55°	5437	5497	6191
60°	5181	5636	6315
65°	4929	5812	6259
70°	4606	5937	5950
75°	4134	5761	5330
80°	3618	4890	3959
85°	2717	2585	1671



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	359.2	3.6
10°-20°	988.2	9.8
20°-30°	1437.7	14.3
30°-40°	1681.6	16.7
40°-50°	1728.5	17.1
50°-60°	1608.0	16.0
60°-70°	1308.0	13.0
70°-80°	792.2	7.9
80°-90°	177.5	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°	2785.1	27.6
0°-40°	4466.7	44.3
0°-60°	7803.2	77.4
0°-90°	10080.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10080.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3854	3854	3854	3854	3854	
5°	3858	3835	3783	3790	3770	366
15°	3689	3610	3467	3415	3386	1040
25°	3361	3219	3056	3025	3000	1546
35°	2892	2738	2614	2630	2629	1809
45°	2346	2195	2167	2262	2297	1806
55°	1738	1643	1757	1936	1980	1556
65°	1161	1140	1369	1478	1474	1149
75°	596	709	831	794	769	639
85°	132	182	126	91	81	161
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3853.7	3853.7	3853.7	3853.7	3853.7
2.5°	3874.0	3856.2	3818.2	3839.7	3830.8
5°	3857.5	3834.6	3782.6	3790.2	3769.9
7.5°	3833.4	3800.4	3725.5	3710.3	3692.5
10°	3795.3	3747.1	3648.1	3624.0	3591.0
12.5°	3748.4	3686.2	3561.8	3518.7	3488.2
15°	3688.7	3610.1	3466.7	3414.6	3385.5
17.5°	3624.0	3526.3	3367.7	3314.4	3283.9
20°	3544.1	3432.4	3261.1	3216.7	3198.9
22.5°	3455.2	3327.1	3162.1	3122.8	3102.5
25°	3361.3	3219.2	3055.5	3025.1	2999.7
27.5°	3250.9	3106.3	2947.7	2926.1	2908.3
30°	3140.6	2992.1	2841.1	2825.9	2818.3
32.5°	3023.8	2862.7	2729.4	2726.9	2723.1
35°	2891.8	2738.3	2614.0	2630.5	2629.2
37.5°	2763.7	2606.3	2504.8	2534.0	2540.4
40°	2622.8	2469.3	2388.1	2437.6	2455.3
42.5°	2484.5	2337.3	2279.0	2346.2	2375.4
45°	2346.2	2195.2	2167.3	2262.5	2296.7
47.5°	2195.2	2059.4	2062.0	2183.8	2224.4
50°	2045.5	1918.6	1956.7	2098.8	2145.7
52.5°	1890.7	1781.6	1861.5	2016.3	2069.6
55°	1738.4	1643.2	1757.4	1936.4	1979.5
57.5°	1586.1	1510.0	1662.3	1833.6	1876.7
60°	1444.0	1378.0	1570.9	1727.0	1760.0
62.5°	1308.2	1255.0	1480.8	1610.2	1626.7
65°	1161.1	1139.5	1369.2	1478.3	1474.5
67.5°	1016.4	1021.5	1255.0	1326.0	1319.7
70°	878.1	918.7	1131.9	1161.1	1134.4
72.5°	736.0	812.1	988.5	985.9	959.3
75°	596.4	709.3	831.1	794.3	769.0
77.5°	475.8	598.9	659.8	609.1	568.5
80°	350.2	479.6	473.3	416.2	383.2
82.5°	229.7	333.7	293.1	236.0	220.8
85°	132.0	181.5	125.6	91.4	81.2
87.5°	55.8	48.2	31.7	29.2	26.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)