

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-100-HE-L840**

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-100-HE-L840
Description: 6ft RSRK, 1000 LUMEN PER FOOT 80CRI 4000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

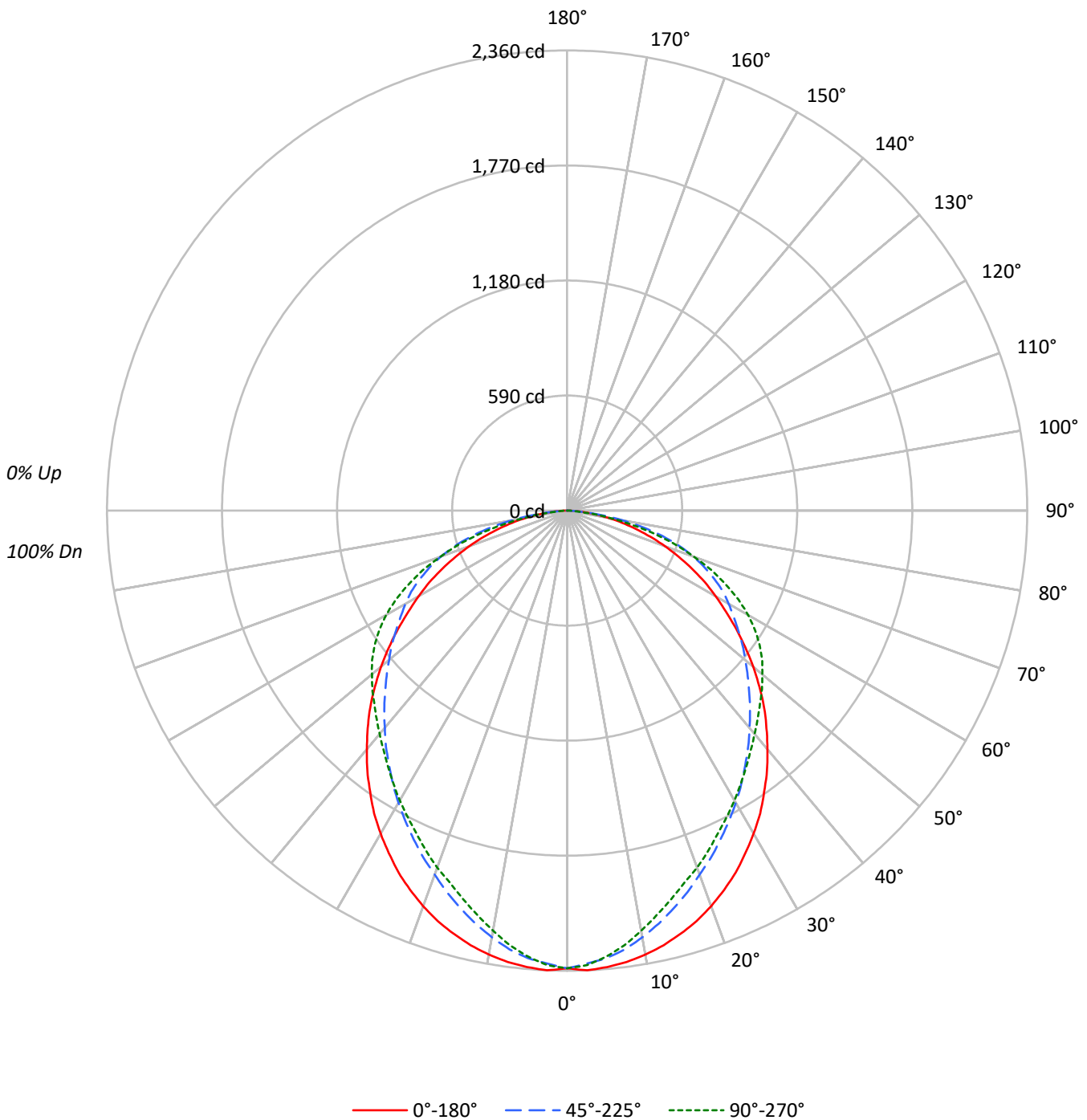
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6141.0 lumens
Efficiency: N/A
Efficacy: 213.2 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): 28.8
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	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°	4211	4211	4211
5°	4232	4150	4136
10°	4212	4048	3985
15°	4173	3922	3830
20°	4122	3793	3720
25°	4053	3684	3617
30°	3963	3585	3556
35°	3858	3487	3508
40°	3742	3407	3503
45°	3626	3350	3550
50°	3478	3327	3648
55°	3312	3349	3772
60°	3156	3434	3847
65°	3002	3540	3813
70°	2806	3617	3624
75°	2518	3509	3247
80°	2204	2978	2411
85°	1655	1575	1019



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.8	3.6
10°-20°	602.0	9.8
20°-30°	875.8	14.3
30°-40°	1024.4	16.7
40°-50°	1052.9	17.1
50°-60°	979.6	16.0
60°-70°	796.8	13.0
70°-80°	482.6	7.9
80°-90°	108.1	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°	1696.6	27.6
0°-40°	2721.0	44.3
0°-60°	4753.5	77.4
0°-90°	6141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6141.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2348	2348	2348	2348	2348	
5°	2350	2336	2304	2309	2296	223
15°	2247	2199	2112	2080	2062	634
25°	2048	1961	1861	1843	1827	942
35°	1762	1668	1592	1602	1602	1102
45°	1429	1337	1320	1378	1399	1100
55°	1059	1001	1071	1180	1206	948
65°	707	694	834	900	898	700
75°	363	432	506	484	468	389
85°	80	110	76	56	50	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2347.5	2347.5	2347.5	2347.5	2347.5
2.5°	2359.9	2349.1	2325.9	2339.0	2333.6
5°	2349.9	2336.0	2304.3	2308.9	2296.5
7.5°	2335.2	2315.1	2269.5	2260.2	2249.4
10°	2312.0	2282.6	2222.3	2207.6	2187.5
12.5°	2283.4	2245.5	2169.8	2143.5	2124.9
15°	2247.1	2199.1	2111.8	2080.1	2062.3
17.5°	2207.6	2148.1	2051.5	2019.0	2000.5
20°	2158.9	2090.9	1986.6	1959.5	1948.7
22.5°	2104.8	2026.8	1926.3	1902.3	1889.9
25°	2047.6	1961.1	1861.3	1842.8	1827.3
27.5°	1980.4	1892.3	1795.6	1782.5	1771.7
30°	1913.1	1822.7	1730.7	1721.4	1716.8
32.5°	1842.0	1743.8	1662.7	1661.1	1658.8
35°	1761.6	1668.1	1592.3	1602.4	1601.6
37.5°	1683.6	1587.7	1525.9	1543.6	1547.5
40°	1597.8	1504.2	1454.8	1484.9	1495.7
42.5°	1513.5	1423.8	1388.3	1429.2	1447.0
45°	1429.2	1337.3	1320.3	1378.2	1399.1
47.5°	1337.3	1254.5	1256.1	1330.3	1355.0
50°	1246.0	1168.7	1191.9	1278.5	1307.1
52.5°	1151.7	1085.3	1134.0	1228.3	1260.7
55°	1059.0	1001.0	1070.6	1179.6	1205.9
57.5°	966.2	919.8	1012.6	1117.0	1143.2
60°	879.7	839.5	957.0	1052.0	1072.1
62.5°	796.9	764.5	902.1	980.9	991.0
65°	707.3	694.1	834.0	900.5	898.2
67.5°	619.2	622.3	764.5	807.8	803.9
70°	534.9	559.6	689.5	707.3	691.0
72.5°	448.3	494.7	602.2	600.6	584.4
75°	363.3	432.1	506.3	483.9	468.4
77.5°	289.9	364.8	402.0	371.0	346.3
80°	213.3	292.2	288.3	253.5	233.4
82.5°	139.9	203.3	178.6	143.8	134.5
85°	80.4	110.5	76.5	55.7	49.5
87.5°	34.0	29.4	19.3	17.8	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)