

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-TS-100-HE-L830**

Issue Date: 3/3/2020



**Test Information**

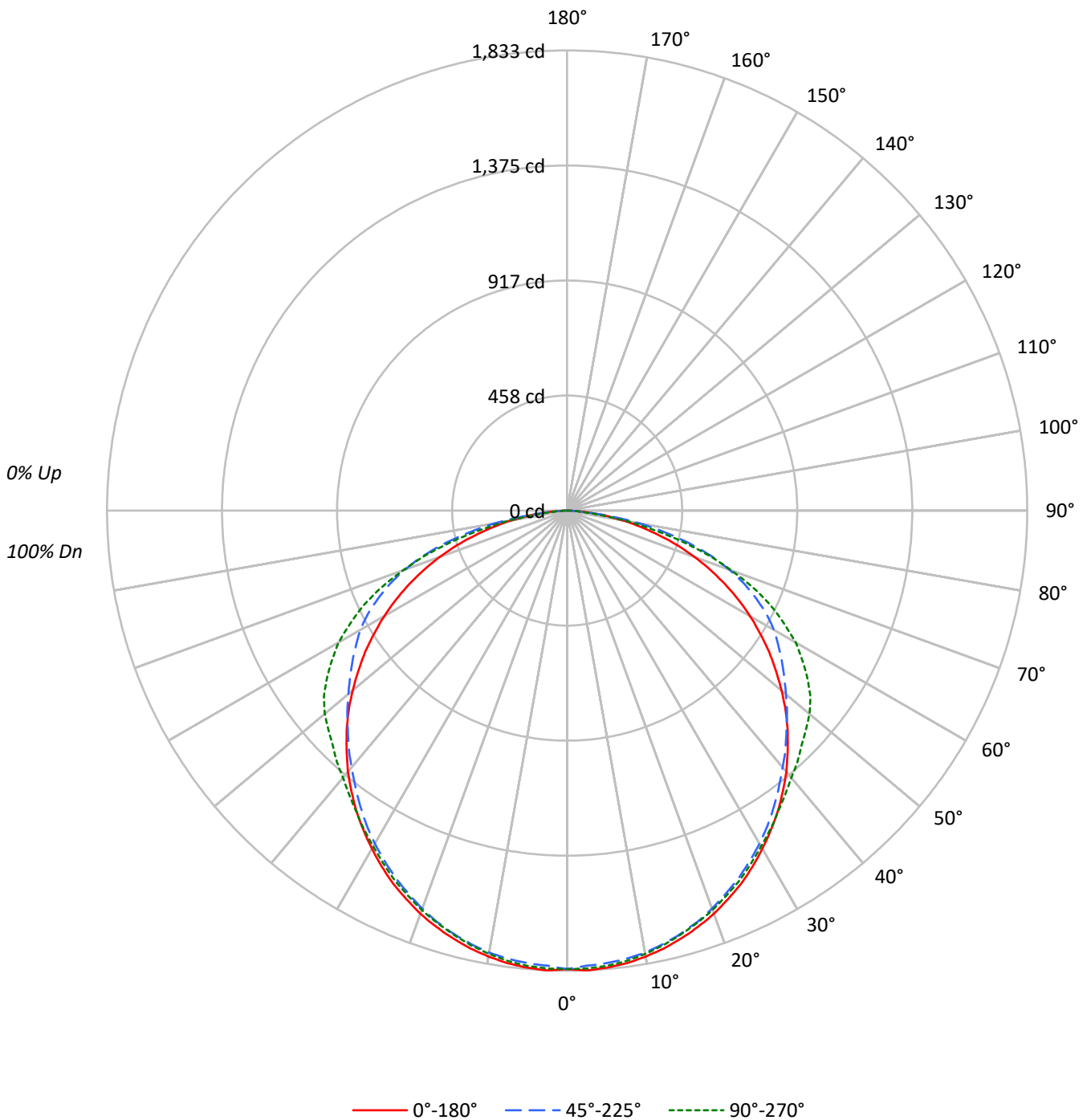
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TS-100-HE-L830  
Description: 6ft RSRK, 1000 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5622.9 lumens  
Efficiency: N/A  
Efficacy: 195.2 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39  
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	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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83					83			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68					68			
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56					56			
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50	48					48			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41					41			
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36					36			
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31					31			
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28					28			
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25					25			
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22					22			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3277	3277	3277
5°	3291	3259	3278
10°	3286	3257	3266
15°	3275	3242	3248
20°	3263	3222	3233
25°	3247	3198	3217
30°	3222	3173	3200
35°	3204	3148	3208
40°	3181	3128	3253
45°	3152	3134	3351
50°	3112	3176	3516
55°	3072	3266	3657
60°	3019	3414	3771
65°	2944	3529	3801
70°	2831	3607	3653
75°	2608	3489	3264
80°	2310	3002	2503
85°	1663	1521	994



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.0	3.1
10°-20°	495.0	8.8
20°-30°	749.5	13.3
30°-40°	909.0	16.2
40°-50°	972.4	17.3
50°-60°	942.5	16.8
60°-70°	789.4	14.0
70°-80°	485.1	8.6
80°-90°	107.1	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°	1417.4	25.2
0°-40°	2326.4	41.4
0°-60°	4241.4	75.4
0°-90°	5622.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5622.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1826	1826	1826	1826	1826	
5°	1827	1823	1810	1822	1820	174
15°	1763	1759	1746	1754	1749	498
25°	1640	1630	1616	1626	1625	755
35°	1463	1444	1437	1462	1465	915
45°	1242	1216	1235	1298	1321	958
55°	982	956	1044	1148	1169	877
65°	694	690	831	888	896	686
75°	376	439	503	482	471	400
85°	81	108	74	51	48	102
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1826.4	1826.4	1826.4	1826.4	1826.4
2.5°	1833.3	1828.4	1814.6	1826.4	1825.4
5°	1827.4	1823.4	1809.6	1821.5	1820.5
7.5°	1818.5	1814.6	1800.8	1812.6	1809.6
10°	1803.7	1800.8	1788.0	1796.8	1792.9
12.5°	1786.0	1783.0	1768.3	1778.1	1773.2
15°	1763.3	1759.4	1745.6	1753.5	1748.6
17.5°	1737.7	1732.8	1719.0	1726.9	1722.0
20°	1709.2	1702.3	1687.5	1698.3	1693.4
22.5°	1674.7	1669.8	1652.0	1663.8	1658.9
25°	1640.2	1630.3	1615.6	1626.4	1625.4
27.5°	1598.8	1589.0	1574.2	1587.0	1585.0
30°	1555.5	1544.6	1531.8	1544.6	1544.6
32.5°	1510.2	1496.4	1486.5	1501.3	1506.2
35°	1462.9	1444.2	1437.3	1461.9	1464.8
37.5°	1410.7	1392.0	1386.0	1418.5	1426.4
40°	1358.5	1334.8	1335.8	1377.2	1389.0
42.5°	1300.3	1276.7	1287.5	1335.8	1357.5
45°	1242.2	1215.6	1235.3	1298.4	1321.0
47.5°	1181.1	1155.5	1188.0	1261.9	1290.5
50°	1115.1	1089.5	1137.8	1227.4	1259.9
52.5°	1048.2	1021.6	1089.5	1192.0	1221.5
55°	982.1	955.6	1044.2	1147.6	1169.3
57.5°	911.2	888.6	996.9	1089.5	1111.2
60°	841.3	821.6	951.6	1030.4	1051.1
62.5°	769.4	754.6	896.4	962.4	974.3
65°	693.5	689.6	831.4	887.6	895.5
67.5°	617.7	627.5	764.4	800.9	801.9
70°	539.8	566.4	687.6	703.4	696.5
72.5°	461.0	507.3	602.9	595.0	589.1
75°	376.3	439.4	503.4	481.7	470.9
77.5°	299.5	370.4	397.0	366.5	349.7
80°	223.6	292.6	290.6	251.2	242.3
82.5°	150.7	203.9	174.4	141.9	124.1
85°	80.8	108.4	73.9	51.2	48.3
87.5°	30.5	25.6	19.7	17.7	17.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)