

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: P709206

Luminaire Tested: **14CGTS-L3C3-HIGH-5000K**

Issue Date: 9/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709206  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-983-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14CGTS-L3C3-HIGH-5000K  
Description: 1X4 CGT SELECTABLE AT 5000K, HIGH LUMEN OUTPUT SETTING  
Light Source: -  
Ballast/Driver: -

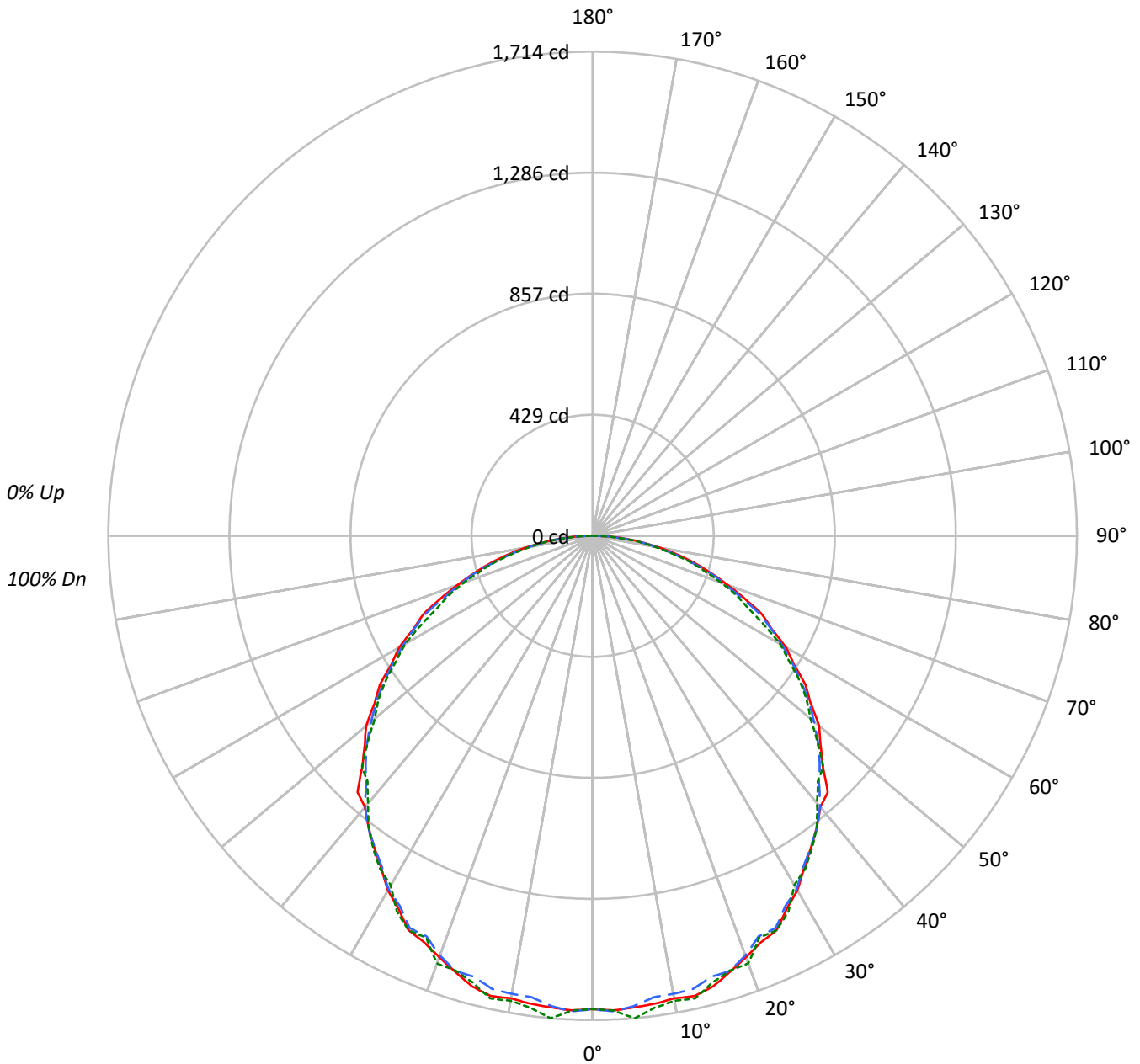
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4982.0 lumens  
Efficiency: N/A  
Efficacy: 134.3 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 37.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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									
RC	80									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																			
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69																			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	57																			
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37																			
7	64	51	42	35	62	50	41	35	48	41	35	47	40	35	45	39	34	32																			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23																			

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

	0°	45°	90°
0°	4510	4510	4510
5°	4527	4515	4631
10°	4543	4498	4567
15°	4599	4504	4562
20°	4545	4528	4613
25°	4575	4549	4575
30°	4503	4489	4438
35°	4425	4420	4444
40°	4404	4398	4341
45°	4381	4325	4393
50°	4379	4280	4212
55°	4310	4220	4192
60°	4251	4163	4123
65°	4227	4142	3868
70°	3998	3882	3801
75°	3882	3713	3697
80°	3698	3583	3422
85°	3477	3248	3066



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.5	3.2
10°-20°	460.9	9.3
20°-30°	699.5	14.0
30°-40°	844.8	17.0
40°-50°	880.2	17.7
50°-60°	806.1	16.2
60°-70°	630.5	12.7
70°-80°	381.5	7.7
80°-90°	119.1	2.4
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°	1319.8	26.5
0°-40°	2164.6	43.4
0°-60°	3850.9	77.3
0°-90°	4982.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4982.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1676	1676	1676	1676	1676	
5°	1676	1671	1671	1698	1714	160
15°	1651	1621	1617	1630	1637	464
25°	1541	1516	1532	1540	1541	704
35°	1347	1353	1345	1356	1353	845
45°	1151	1135	1136	1145	1154	893
55°	919	905	899	904	894	817
65°	664	640	650	633	608	646
75°	373	368	357	357	356	394
85°	113	110	105	102	99	125
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1675.9	1675.9	1675.9	1675.9	1675.9
2.5°	1681.8	1671.4	1684.8	1683.3	1681.8
5°	1675.9	1671.4	1671.4	1698.1	1714.4
7.5°	1671.4	1658.1	1647.7	1680.3	1684.8
10°	1662.5	1655.1	1646.2	1661.1	1671.4
12.5°	1668.5	1643.3	1643.3	1667.0	1677.4
15°	1650.7	1621.1	1616.6	1630.0	1637.4
17.5°	1618.1	1588.5	1615.1	1632.9	1613.7
20°	1587.0	1572.2	1581.1	1589.9	1610.7
22.5°	1557.3	1530.7	1535.1	1538.1	1539.6
25°	1541.0	1515.9	1532.2	1539.6	1541.0
27.5°	1487.7	1464.0	1477.3	1475.8	1499.6
30°	1449.2	1422.5	1444.7	1453.6	1428.4
32.5°	1392.9	1384.0	1388.4	1401.8	1398.8
35°	1346.9	1352.9	1345.4	1355.8	1352.9
37.5°	1302.5	1290.6	1304.0	1324.7	1302.5
40°	1253.6	1241.7	1252.1	1256.5	1235.8
42.5°	1231.4	1192.8	1185.4	1201.7	1179.5
45°	1151.3	1135.0	1136.5	1145.4	1154.3
47.5°	1093.5	1078.7	1081.7	1078.7	1078.7
50°	1046.1	1025.4	1022.4	1040.2	1006.1
52.5°	972.0	966.1	964.6	964.6	955.7
55°	918.7	905.4	899.4	903.9	893.5
57.5°	843.1	837.2	837.2	831.3	823.9
60°	789.8	773.5	773.5	764.6	766.1
62.5°	714.2	706.8	711.3	705.3	684.6
65°	663.8	640.1	650.5	632.7	607.5
67.5°	583.8	580.9	567.5	560.1	551.2
70°	508.2	500.8	493.4	486.0	483.1
72.5°	440.1	435.6	435.6	416.4	414.9
75°	373.4	367.5	357.1	357.1	355.6
77.5°	308.2	302.3	291.9	286.0	284.5
80°	238.6	234.1	231.2	223.7	220.8
82.5°	173.4	170.4	168.9	161.5	166.0
85°	112.6	109.7	105.2	102.2	99.3
87.5°	53.3	51.9	50.4	45.9	47.4
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)