

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: P709212

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

Issue Date: 9/13/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709212  
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-MED-5000K  
Description: 1X4 CGT SELECTABLE AT 5000K, MED LUMEN OUTPUT SETTING  
Light Source: -  
Ballast/Driver: -

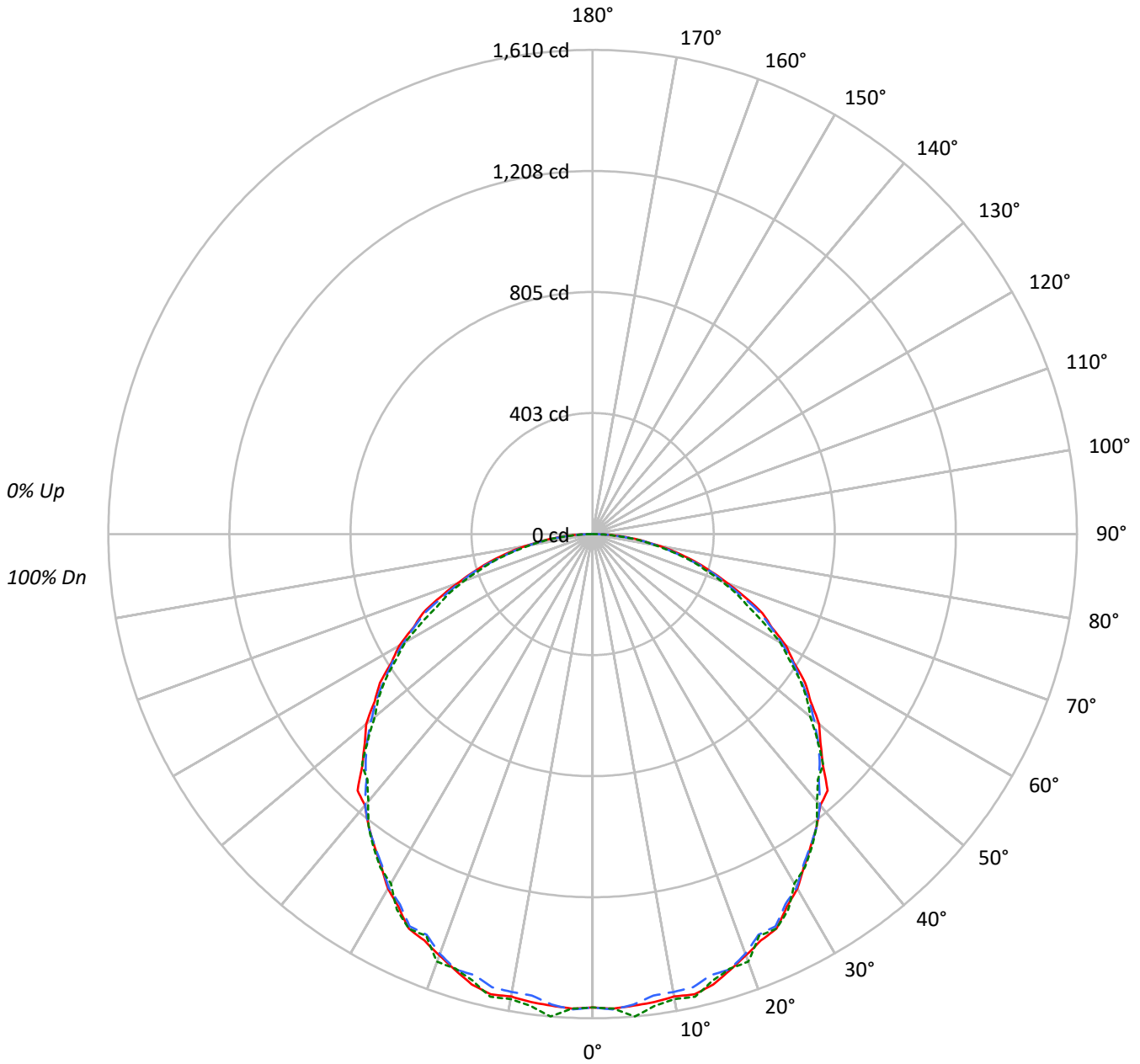
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4679.0 lumens  
Efficiency: N/A  
Efficacy: 143.5 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): 32.6  
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					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								
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°	4236	4236	4236
5°	4252	4240	4349
10°	4267	4225	4289
15°	4319	4230	4284
20°	4268	4252	4332
25°	4297	4273	4297
30°	4229	4216	4169
35°	4156	4151	4174
40°	4136	4131	4077
45°	4115	4062	4126
50°	4113	4020	3956
55°	4048	3963	3937
60°	3992	3909	3872
65°	3970	3890	3633
70°	3755	3646	3570
75°	3646	3487	3473
80°	3473	3364	3214
85°	3267	3051	2878



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.8	3.2
10°-20°	432.8	9.3
20°-30°	656.9	14.0
30°-40°	793.4	17.0
40°-50°	826.7	17.7
50°-60°	757.1	16.2
60°-70°	592.1	12.7
70°-80°	358.3	7.7
80°-90°	111.9	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°	1239.6	26.5
0°-40°	2032.9	43.4
0°-60°	3616.7	77.3
0°-90°	4679.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4679.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1574	1574	1574	1574	1574	
5°	1574	1570	1570	1595	1610	150
15°	1550	1522	1518	1531	1538	436
25°	1447	1424	1439	1446	1447	662
35°	1265	1271	1264	1273	1271	793
45°	1081	1066	1067	1076	1084	839
55°	863	850	845	849	839	767
65°	624	601	611	594	571	607
75°	351	345	335	335	334	370
85°	106	103	99	96	93	117
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1574.0	1574.0	1574.0	1574.0	1574.0
2.5°	1579.5	1569.8	1582.3	1580.9	1579.5
5°	1574.0	1569.8	1569.8	1594.8	1610.1
7.5°	1569.8	1557.3	1547.5	1578.1	1582.3
10°	1561.4	1554.5	1546.1	1560.0	1569.8
12.5°	1567.0	1543.3	1543.3	1565.6	1575.4
15°	1550.3	1522.5	1518.3	1530.8	1537.8
17.5°	1519.7	1491.9	1516.9	1533.6	1515.5
20°	1490.5	1476.5	1484.9	1493.2	1512.7
22.5°	1462.6	1437.6	1441.8	1444.5	1445.9
25°	1447.3	1423.7	1439.0	1445.9	1447.3
27.5°	1397.2	1375.0	1387.5	1386.1	1408.4
30°	1361.0	1336.0	1356.9	1365.2	1341.6
32.5°	1308.2	1299.8	1304.0	1316.5	1313.7
35°	1265.0	1270.6	1263.6	1273.4	1270.6
37.5°	1223.3	1212.1	1224.7	1244.1	1223.3
40°	1177.3	1166.2	1175.9	1180.1	1160.6
42.5°	1156.5	1120.3	1113.3	1128.6	1107.8
45°	1081.3	1066.0	1067.4	1075.7	1084.1
47.5°	1027.0	1013.1	1015.9	1013.1	1013.1
50°	982.5	963.0	960.2	976.9	944.9
52.5°	912.9	907.4	906.0	906.0	897.6
55°	862.8	850.3	844.7	848.9	839.2
57.5°	791.9	786.3	786.3	780.7	773.8
60°	741.8	726.4	726.4	718.1	719.5
62.5°	670.8	663.8	668.0	662.4	642.9
65°	623.5	601.2	610.9	594.2	570.6
67.5°	548.3	545.5	533.0	526.0	517.7
70°	477.3	470.4	463.4	456.5	453.7
72.5°	413.3	409.1	409.1	391.1	389.7
75°	350.7	345.1	335.4	335.4	334.0
77.5°	289.5	283.9	274.2	268.6	267.2
80°	224.1	219.9	217.1	210.1	207.4
82.5°	162.8	160.0	158.6	151.7	155.9
85°	105.8	103.0	98.8	96.0	93.2
87.5°	50.1	48.7	47.3	43.1	44.5
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)