

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: FAILSAFE

Report Number: CRT2008071200-001-002

Luminaire Tested: **GUC-1-GUV4-R1**

Test Date: 8/12/20

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-41-14  
Report Number: CRT2008071200-001-002  
The data set was measured in RADIOMETRIC UNITS. The following  
Test Lab: Intertek Cortland  
Test Date: 8/12/20  
Issue Date: 8/14/20  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAILSAFE  
Catalog Number: GUC-1-GUV4-R1  
Description: 4' Under Cabinet Luminaire  
Light Source: (1) Philips TUV 36W/G36 T8  
Ballast/Driver: -

Luminaire Equipment:	<u>Sample No.</u>	<u>Condition</u>	<u>Description</u>
	AS-5443-1	Good	WHITE TWIN R-EVOLVE FLOOD
	AS-5443-2	Good	REFLECTOR
	AS-5443-3	Good	DRIVER
	AS-5443-4	Good	UPPER MODULE
	AS-5443-5	Good	LENS
	AS-5443-6	Good	DRIVER 2
	AS-5443-7	Good	TRIM RING

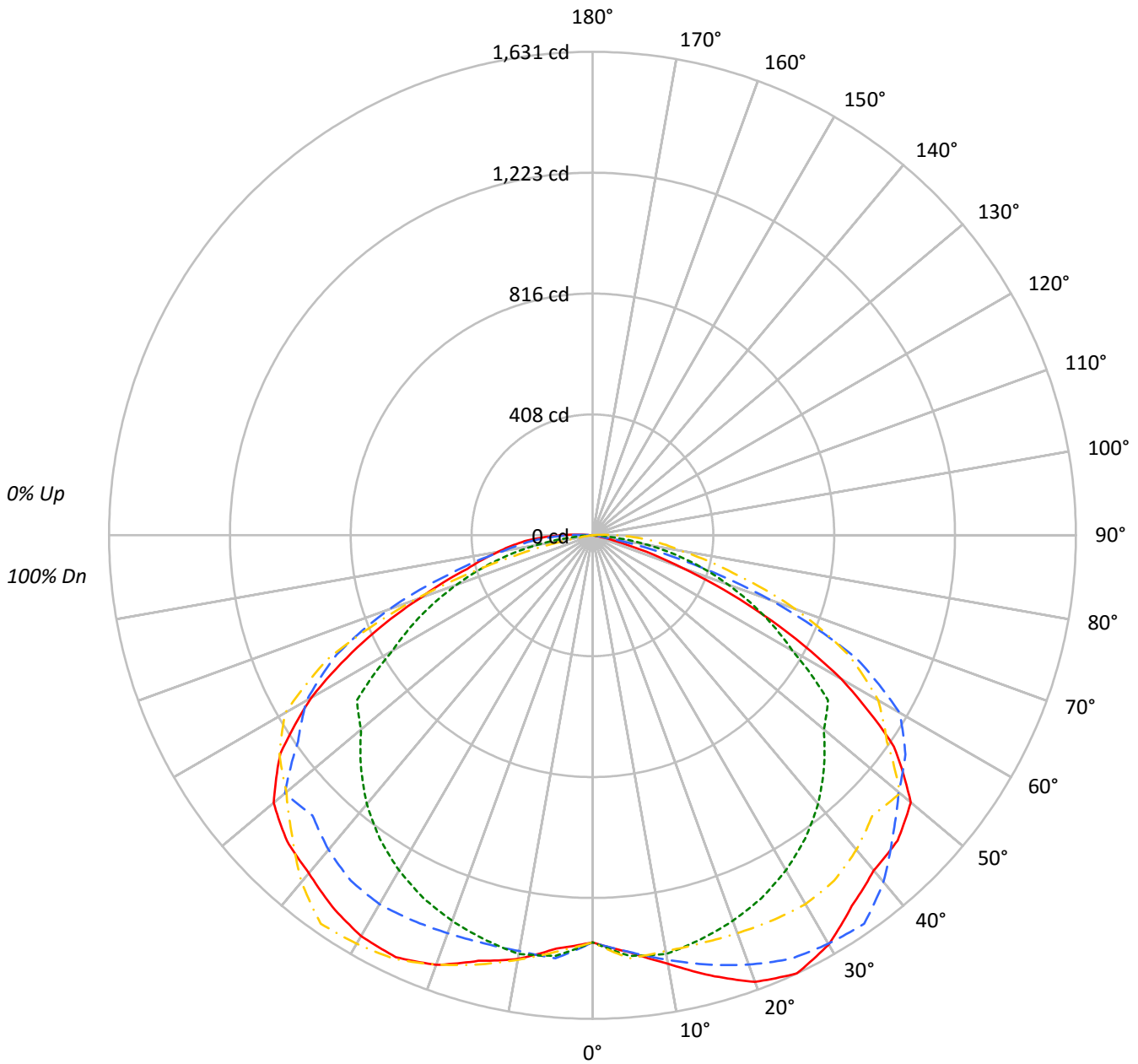
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5650.2 lumens  
Efficiency: N/A  
Efficacy: 155.0 lumens/watt  
Spacing Criteria (0/90/45): 1.64 / 1.4 / 1.71  
Luminous Opening: Rectangular (W 4' x L: 0.23' x H: 0')  
CIE Type: Direct

Input Watts (W): 36.46  
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

TEST NUMBER: CRT2008071200-001-002  
CATALOG NUMBER: GUC-1-GUV4-R1

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



TEST NUMBER: CRT2008071200-001-002  
 CATALOG NUMBER: GUC-1-GUV4-R1

**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	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	86	84	82
2	98	89	82	75	95	87	80	75	83	78	73	80	75	71	77	73	69	67
3	88	77	68	62	86	75	67	61	72	66	60	70	64	59	67	62	58	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	46
5	73	60	50	43	71	59	50	43	56	49	43	54	48	42	53	46	42	39
6	67	53	44	37	65	52	44	37	51	43	37	49	42	36	47	41	36	34
7	62	48	39	32	60	47	39	32	46	38	32	44	37	32	43	36	32	29
8	58	44	35	29	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	30	25	37	30	25	36	29	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	22	33	27	22	21

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

	0°	90°	180°	270°
0°	16064	16064	16064	16064
5°	16572	16724	16431	16724
10°	17429	17036	17238	17036
15°	18617	17091	17999	17091
20°	19959	17232	19199	17232
25°	21055	17428	20268	17428
30°	21535	17630	21089	17630
35°	21796	17854	21853	17854
40°	22543	18083	22726	18083
45°	24091	18284	24124	18284
50°	25519	18548	25555	18548
55°	25335	19786	26232	19786
60°	22674	18252	25623	18252
65°	17635	17635	23670	17635
70°	11015	16659	21141	16659
75°	4611	15505	19755	15505
80°	741	13004	21830	13004
85°	0	7518	30876	7518



TEST NUMBER: CRT2008071200-001-002  
 CATALOG NUMBER: GUC-1-GUV4-R1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.8	2.4
10°-20°	415.1	7.3
20°-30°	687.6	12.2
30°-40°	909.8	16.1
40°-50°	1058.7	18.7
50°-60°	1074.0	19.0
60°-70°	822.6	14.6
70°-80°	419.1	7.4
80°-90°	119.7	2.1
90°-100°	7.8	0.1
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°	1238.5	21.9
0°-40°	2148.3	38.0
0°-60°	4281.0	75.8
0°-90°	5642.4	99.9
90°-120°	7.8	0.1
90°-150°	7.8	0.1
90°-180°	8.0	0.1
0°-180°	5650.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1373	1373	1373	1373	1373	
5°	1411	1424	1399	1424	1411	136
15°	1537	1411	1486	1411	1537	437
25°	1631	1350	1570	1350	1631	747
35°	1526	1250	1530	1250	1526	960
45°	1456	1105	1458	1105	1456	1120
55°	1242	970	1286	970	1242	1086
65°	637	637	855	637	637	633
75°	102	343	437	343	102	141
85°	0	56	230	56	0	3
90°	0	0	108	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: CRT2008071200-001-002  
 CATALOG NUMBER: GUC-1-GUV4-R1

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1373	1373	1373	1373	1373	1373	1373	1373	1373	1373	1373
5°	1411	1412	1410	1411	1424	1432	1432	1424	1399	1424	1432
10°	1467	1463	1454	1453	1434	1419	1424	1444	1451	1444	1424
15°	1537	1526	1499	1465	1411	1400	1424	1470	1486	1470	1424
20°	1603	1591	1541	1462	1384	1374	1428	1496	1542	1496	1428
25°	1631	1634	1577	1452	1350	1350	1434	1524	1570	1524	1434
30°	1594	1651	1591	1434	1305	1319	1437	1533	1561	1533	1437
35°	1526	1662	1599	1402	1250	1283	1422	1508	1530	1508	1422
40°	1476	1597	1527	1351	1184	1240	1385	1462	1488	1462	1385
45°	1456	1561	1433	1286	1105	1343	1336	1422	1458	1422	1336
50°	1402	1529	1348	1363	1019	1264	1354	1375	1404	1375	1354
55°	1242	1402	1289	1243	970	1031	1213	1282	1286	1282	1213
60°	969	1148	1196	1018	780	929	1113	1119	1095	1119	1113
65°	637	793	983	873	637	822	952	894	855	894	952
70°	322	427	641	744	487	706	730	650	618	650	730
75°	102	147	281	569	343	548	491	448	437	448	491
80°	11	18	43	279	193	342	306	319	324	319	306
85°	0	0	0	57	56	167	196	219	230	219	196
90°	0	0	0	0	0	0	79	95	108	95	79
95°	0	0	0	0	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0	0	0	0	0
110°	0	0	0	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: CRT2008071200-001-002  
 CATALOG NUMBER: GUC-1-GUV4-R1

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1373	1373	1373	1373	1373	1373
5°	1432	1424	1411	1410	1412	1411
10°	1419	1434	1453	1454	1463	1467
15°	1400	1411	1465	1499	1526	1537
20°	1374	1384	1462	1541	1591	1603
25°	1350	1350	1452	1577	1634	1631
30°	1319	1305	1434	1591	1651	1594
35°	1283	1250	1402	1599	1662	1526
40°	1240	1184	1351	1527	1597	1476
45°	1343	1105	1286	1433	1561	1456
50°	1264	1019	1363	1348	1529	1402
55°	1031	970	1243	1289	1402	1242
60°	929	780	1018	1196	1148	969
65°	822	637	873	983	793	637
70°	706	487	744	641	427	322
75°	548	343	569	281	147	102
80°	342	193	279	43	18	11
85°	167	56	57	0	0	0
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
100°	0	0	0	0	0	0
110°	0	0	0	0	0	0
120°	0	0	0	0	0	0
130°	0	0	0	0	0	0
140°	0	0	0	0	0	0
150°	0	0	0	0	0	0
160°	0	0	0	0	0	0
170°	0	0	0	0	0	0
180°	0	0	0	0	0	0

(END OF REPORT)