

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: CRT2008071200-001-001

Luminaire Tested: **GUC-1-GUV2-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: CRT2008071200-001-001
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-GUV2-R1
Description: Under Cabinet Luminaire
Light Source: (1) Philips TUV F17T8 HG 2' (1)
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

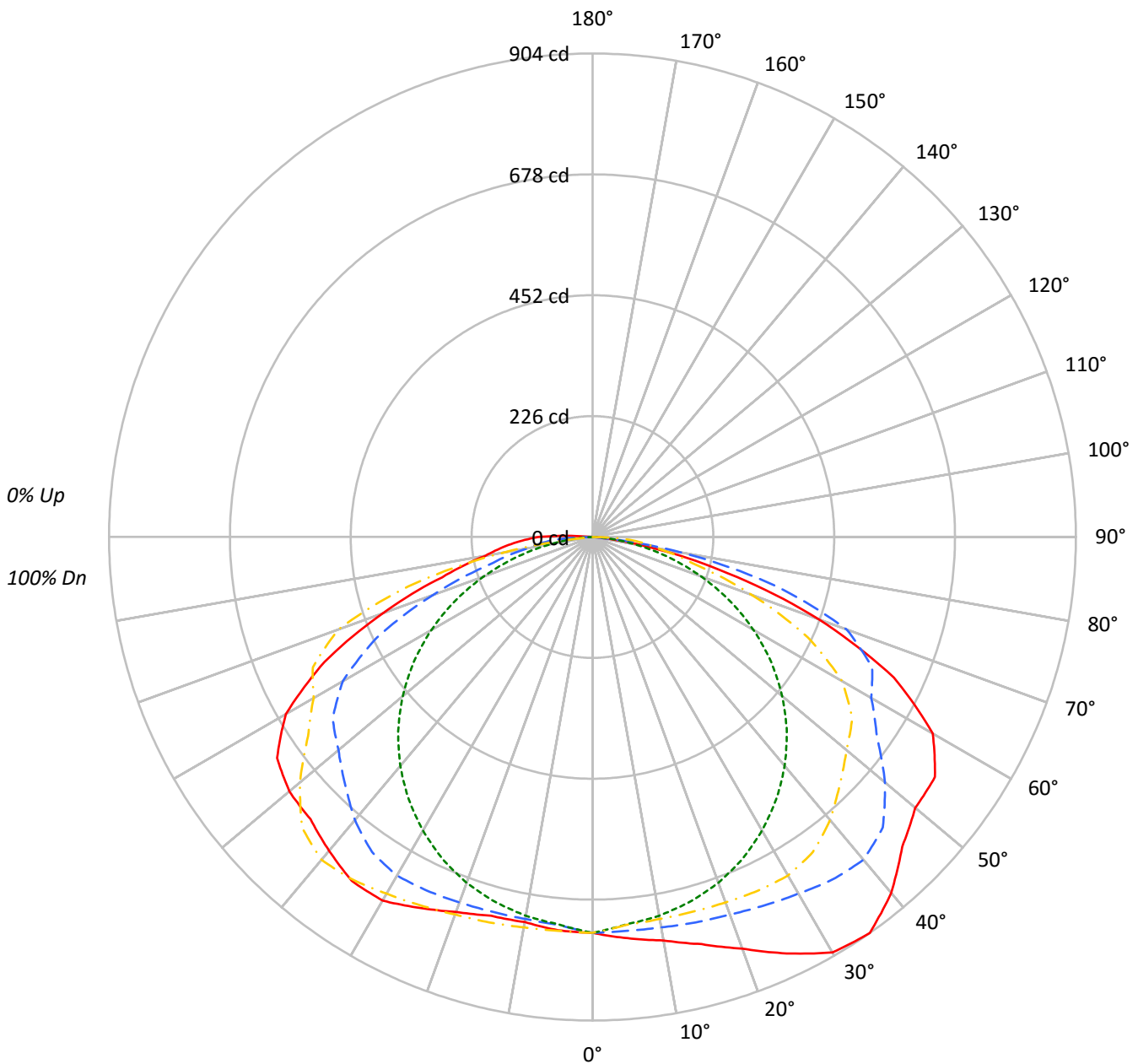
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2970.7 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Spacing Criteria (0/90/45): 1.67 / 1.27 / 1.64
Luminous Opening: Rectangular (W 2' x L: 0.23' x H: 0')
CIE Type: Direct

Input Watts (W): 22.15
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



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



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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	107	102	97	93	105	100	96	92	96	92	89	92	89	86	88	86	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	69	76	71	68	66
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54
4	79	66	57	50	77	65	56	49	62	55	48	60	53	48	58	52	47	45
5	72	59	49	42	70	57	48	42	55	47	41	53	46	41	51	45	40	38
6	67	52	43	36	65	51	42	36	49	41	35	48	40	35	46	40	35	32
7	61	47	38	31	60	46	37	31	45	37	31	43	36	31	42	35	30	28
8	57	43	34	27	55	42	33	27	41	33	27	39	32	27	38	32	27	25
9	53	39	30	24	52	38	30	24	37	30	24	36	29	24	35	29	24	22
10	50	36	27	22	48	35	27	22	34	27	22	33	26	22	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17316	17316	17316	17316
5°	17687	17077	17335	17077
10°	18201	17084	17369	17084
15°	19090	17103	17757	17103
20°	20394	17132	18577	17132
25°	22178	17144	19751	17144
30°	24237	17131	21211	17131
35°	25824	17111	22424	17111
40°	26545	17075	23398	17075
45°	27103	17009	24687	17009
50°	28686	16855	26939	16855
55°	31903	16645	29373	16645
60°	34398	16286	30981	16286
65°	34439	15725	30619	15725
70°	30856	14846	28530	14846
75°	23687	13471	26309	13471
80°	14014	11185	27490	11185
85°	0	6981	41078	6981



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	2.4
10°-20°	208.4	7.0
20°-30°	343.2	11.6
30°-40°	459.8	15.5
40°-50°	526.2	17.7
50°-60°	541.6	18.2
60°-70°	470.2	15.8
70°-80°	272.7	9.2
80°-90°	74.2	2.5
90°-100°	4.2	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°	621.8	20.9
0°-40°	1081.6	36.4
0°-60°	2149.4	72.4
0°-90°	2966.5	99.9
90°-120°	4.2	0.1
90°-150°	4.2	0.1
90°-180°	4.0	0.1
0°-180°	2970.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	740	740	740	740	740	
5°	753	727	738	727	753	72
15°	788	706	733	706	788	225
25°	859	664	765	664	859	398
35°	904	599	785	599	904	561
45°	819	514	746	514	819	637
55°	782	408	720	408	782	692
65°	622	284	553	284	622	602
75°	262	149	291	149	262	284
85°	0	26	153	26	0	28
90°	0	0	100	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	740	740	740	740	740	740	740	740	740	740	740
5°	753	746	739	733	727	728	728	733	738	733	728
10°	766	756	741	728	719	724	725	728	731	728	725
15°	788	772	746	720	706	717	725	731	733	731	725
20°	819	794	751	709	688	707	727	741	746	741	727
25°	859	826	760	694	664	693	730	756	765	756	730
30°	897	861	770	669	634	676	731	769	785	769	731
35°	904	878	782	647	599	655	719	765	785	765	719
40°	869	855	788	625	559	631	691	742	766	742	691
45°	819	803	768	619	514	597	654	717	746	717	654
50°	788	755	714	574	463	553	620	706	740	706	620
55°	782	738	649	543	408	499	593	682	720	682	593
60°	735	712	602	502	348	442	539	620	662	620	539
65°	622	629	577	438	284	390	445	509	553	509	445
70°	451	475	506	359	217	324	318	374	417	374	318
75°	262	288	356	303	149	218	199	253	291	253	199
80°	104	120	172	237	83	109	126	177	204	177	126
85°	0	0	0	81	26	48	78	129	153	129	78
90°	0	0	0	0	0	0	0	74	100	74	0
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



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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	740	740	740	740	740	740
5°	728	727	733	739	746	753
10°	724	719	728	741	756	766
15°	717	706	720	746	772	788
20°	707	688	709	751	794	819
25°	693	664	694	760	826	859
30°	676	634	669	770	861	897
35°	655	599	647	782	878	904
40°	631	559	625	788	855	869
45°	597	514	619	768	803	819
50°	553	463	574	714	755	788
55°	499	408	543	649	738	782
60°	442	348	502	602	712	735
65°	390	284	438	577	629	622
70°	324	217	359	506	475	451
75°	218	149	303	356	288	262
80°	109	83	237	172	120	104
85°	48	26	81	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)