

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: CRT2007161432-005

Luminaire Tested: **GH-6-GUV4-N-R2-WG/HBL6-4FT-B**

Test Date: 7/31/20

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: CRT2007161432-005
The data set was measured in RADIOMETRIC UNITS. The following applies
Test Lab: Intertek Cortland
Test Date: 7/31/20
Issue Date: 7/31/20
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FailSafe
Catalog Number: GH-6-GUV4-N-R2-WG/HBL6-4FT-B
Description: High Bay Luminaire with wire guard
Light Source: (6) Philips TUV F17T8 HG 4'
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

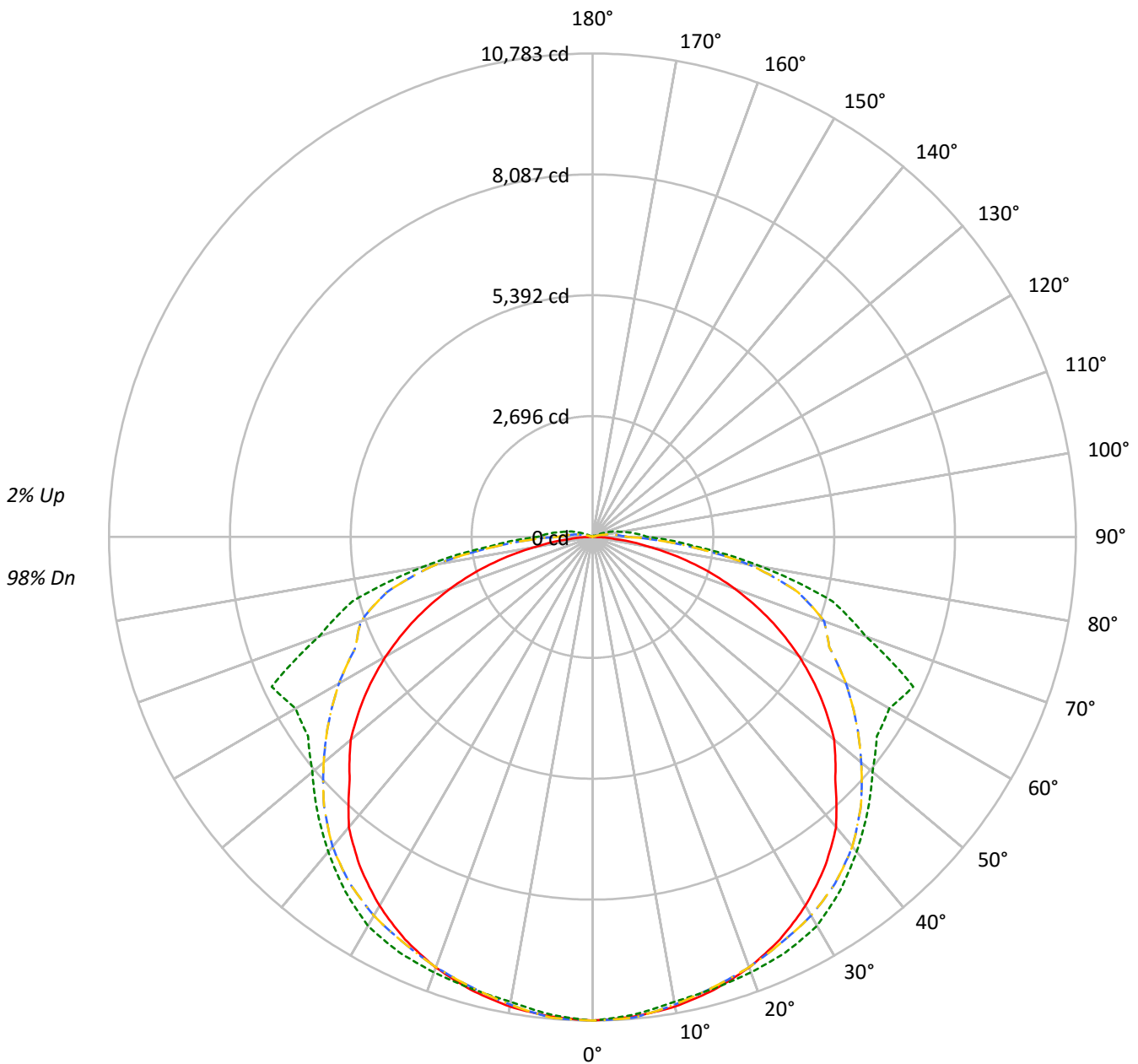
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40409.2 lumens
Efficiency: N/A
Efficacy: 218.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.38 / 1.49
Luminous Opening: Rectangular (W 1.98' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 184.61
Input Voltage (V): NR
Input Current (A_{in}): 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	110	110	110	105	105	105	100	100	100	98
1	106	100	95	90	103	98	93	89	93	89	86	89	85	83	85	82	80	77
2	95	86	78	71	92	84	76	70	80	73	68	76	71	66	72	68	64	62
3	86	74	65	58	83	72	64	57	69	62	56	66	60	54	63	58	53	51
4	78	65	55	48	76	64	55	48	61	53	47	58	51	46	56	50	45	42
5	72	58	48	41	69	56	47	40	54	46	40	52	45	39	50	43	38	36
6	66	52	42	35	64	51	41	35	48	40	34	47	39	34	45	38	33	31
7	61	47	37	31	59	46	37	31	44	36	30	42	35	30	41	34	29	27
8	57	42	33	27	55	42	33	27	40	32	27	39	32	26	37	31	26	24
9	53	39	30	24	51	38	30	24	37	29	24	35	29	24	34	28	23	21
10	49	36	27	22	48	35	27	22	34	27	22	33	26	21	32	26	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14729	14729	14729	14729
5°	14715	14661	14715	14661
10°	14748	14597	14748	14597
15°	14790	14741	14790	14741
20°	14850	15018	14850	15018
25°	14922	15394	14922	15394
30°	14980	15794	14980	15794
35°	15037	16054	15037	16054
40°	15069	16344	15069	16344
45°	14795	16761	14795	16761
50°	14962	17327	14962	17327
55°	14791	18446	14791	18446
60°	14536	20887	14536	20887
65°	14143	25517	14143	25517
70°	13519	25915	13519	25915
75°	12486	29264	12486	29264
80°	10438	30182	10438	30182
85°	7742	35105	7742	35105



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1019.3	2.5
10°-20°	2945.9	7.3
20°-30°	4617.4	11.4
30°-40°	5849.9	14.5
40°-50°	6421.6	15.9
50°-60°	6360.8	15.7
60°-70°	5904.3	14.6
70°-80°	4483.8	11.1
80°-90°	1967.5	4.9
90°-100°	544.1	1.3
100°-110°	215.3	0.5
110°-120°	51.4	0.1
120°-130°	19.1	0.0
130°-140°	7.9	0.0
140°-150°	0.7	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8582.6	21.2
0°-40°	14432.5	35.7
0°-60°	27215.0	67.3
0°-90°	39570.6	97.9
90°-120°	810.9	2.0
90°-150°	838.6	2.1
90°-180°	839.0	2.1
0°-180°	40409.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10783	10783	10783	10783	10783	
5°	10732	10693	10732	10693	10732	###
15°	10459	10424	10459	10424	10459	2955
25°	9901	10214	9901	10214	9901	4565
35°	9018	9628	9018	9628	9018	5641
45°	7659	8677	7659	8677	7659	5953
55°	6211	7746	6211	7746	6211	5547
65°	4376	7895	4376	7895	4376	4322
75°	2366	5545	2366	5545	2366	2491
85°	494	2240	494	2240	494	600
90°	56	1231	56	1231	56	88
95°	38	942	38	942	38	31
105°	26	468	26	468	26	28
115°	23	85	23	85	23	23
125°	0	32	0	32	0	5
135°	0	32	0	32	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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CATALOG NUMBER: GH-6-GUV4-N-R2-WG/HBL6-4FT-B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	10783	10783	10783	10783	10783	10783	10783	10783	10783	10783	10783
5°	10732	10719	10757	10728	10693	10728	10757	10719	10732	10719	10757
10°	10633	10597	10587	10535	10524	10535	10587	10597	10633	10597	10587
15°	10459	10386	10395	10440	10424	10440	10395	10386	10459	10386	10395
20°	10216	10107	10210	10296	10332	10296	10210	10107	10216	10107	10210
25°	9901	9790	9978	10184	10214	10184	9978	9790	9901	9790	9978
30°	9498	9427	9753	9956	10014	9956	9753	9427	9498	9427	9753
35°	9018	9009	9434	9652	9628	9652	9434	9009	9018	9009	9434
40°	8451	8520	9017	9135	9166	9135	9017	8520	8451	8520	9017
45°	7659	7990	8469	8637	8677	8637	8469	7990	7659	7990	8469
50°	7041	7335	7826	8105	8154	8105	7826	7335	7041	7335	7826
55°	6211	6629	7182	7562	7746	7562	7182	6629	6211	6629	7182
60°	5321	5779	6525	7233	7646	7233	6525	5779	5321	5779	6525
65°	4376	4866	5828	7251	7895	7251	5828	4866	4376	4866	5828
70°	3385	3986	5501	6667	6489	6667	5501	3986	3385	3986	5501
75°	2366	3132	4748	5433	5545	5433	4748	3132	2366	3132	4748
80°	1327	2345	3546	3815	3837	3815	3546	2345	1327	2345	3546
85°	494	1318	2004	2218	2240	2218	2004	1318	494	1318	2004
90°	56	230	773	1141	1231	1141	773	230	56	230	773
95°	38	120	512	835	942	835	512	120	38	120	512
100°	30	41	316	570	660	570	316	41	30	41	316
105°	26	35	130	387	468	387	130	35	26	35	130
110°	24	29	36	172	255	172	36	29	24	29	36
115°	23	28	32	47	85	47	32	28	23	28	32
120°	22	27	34	35	37	35	34	27	22	27	34
125°	0	0	30	35	32	35	30	0	0	0	30
130°	0	0	0	34	34	34	0	0	0	0	0
135°	0	0	0	31	32	31	0	0	0	0	0
140°	0	0	0	0	33	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
175°	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: CRT2007161432-005

CATALOG NUMBER: GH-6-GUV4-N-R2-WG/HBL6-4FT-B

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	10783	10783	10783	10783	10783	10783
5°	10728	10693	10728	10757	10719	10732
10°	10535	10524	10535	10587	10597	10633
15°	10440	10424	10440	10395	10386	10459
20°	10296	10332	10296	10210	10107	10216
25°	10184	10214	10184	9978	9790	9901
30°	9956	10014	9956	9753	9427	9498
35°	9652	9628	9652	9434	9009	9018
40°	9135	9166	9135	9017	8520	8451
45°	8637	8677	8637	8469	7990	7659
50°	8105	8154	8105	7826	7335	7041
55°	7562	7746	7562	7182	6629	6211
60°	7233	7646	7233	6525	5779	5321
65°	7251	7895	7251	5828	4866	4376
70°	6667	6489	6667	5501	3986	3385
75°	5433	5545	5433	4748	3132	2366
80°	3815	3837	3815	3546	2345	1327
85°	2218	2240	2218	2004	1318	494
90°	1141	1231	1141	773	230	56
95°	835	942	835	512	120	38
100°	570	660	570	316	41	30
105°	387	468	387	130	35	26
110°	172	255	172	36	29	24
115°	47	85	47	32	28	23
120°	35	37	35	34	27	22
125°	35	32	35	30	0	0
130°	34	34	34	0	0	0
135°	31	32	31	0	0	0
140°	0	33	0	0	0	0
145°	0	0	0	0	0	0
150°	0	0	0	0	0	0
155°	0	0	0	0	0	0
160°	0	0	0	0	0	0
165°	0	0	0	0	0	0
170°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

(END OF REPORT)