

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: CRT2007161432-004

Luminaire Tested: **GH-6-GUV4-N-R2** ☒

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: CRT2007161432-004
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
Description: GH High Bay Luminaire
Light Source: (6) 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

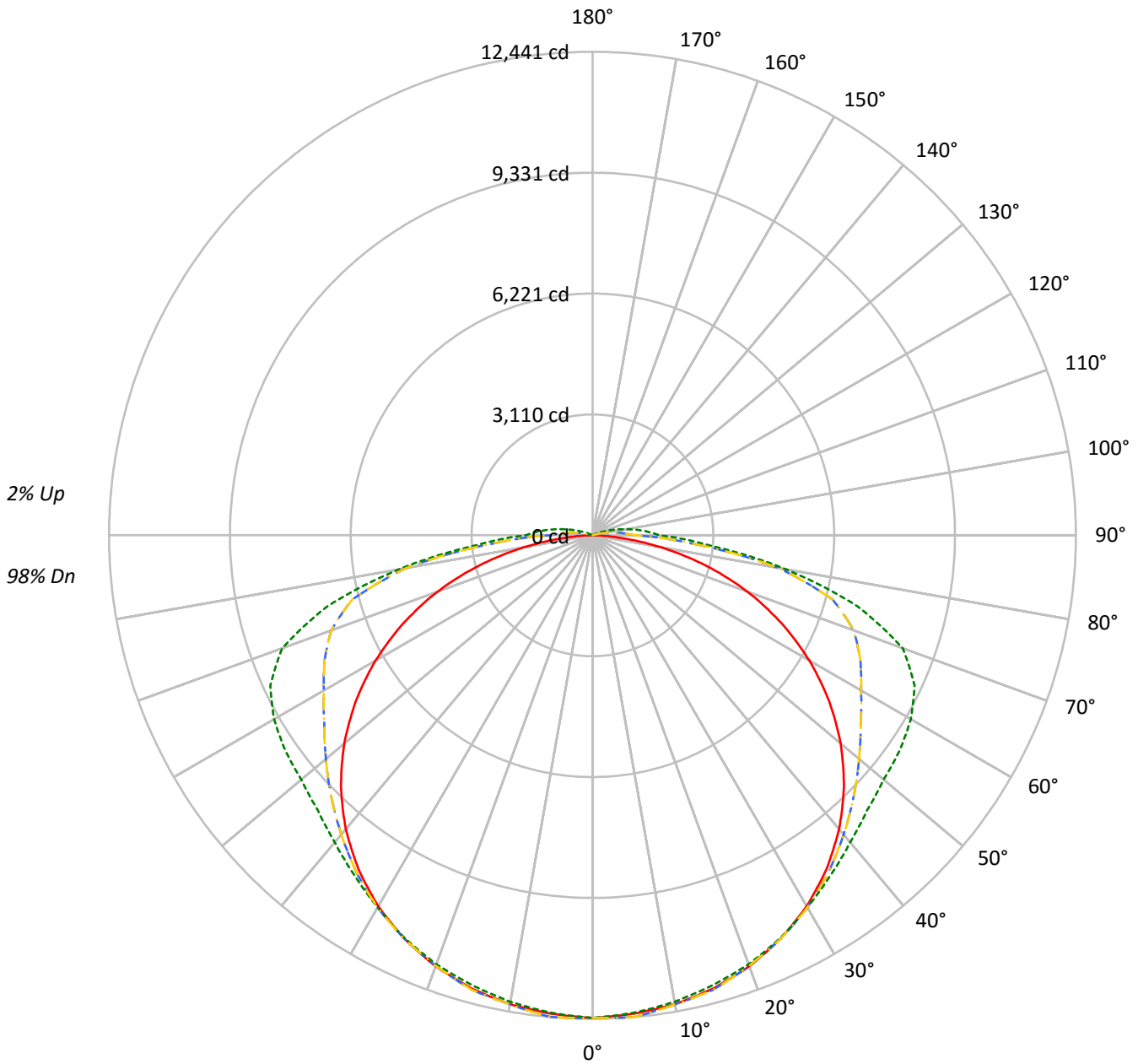
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48343.4 lumens
Efficiency: N/A
Efficacy: 261.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.48
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	105	100	94	89	102	97	92	88	92	88	84	88	85	81	84	81	79	76
2	94	85	77	70	91	83	75	69	79	72	67	75	70	65	71	67	63	61
3	85	73	64	56	82	71	63	56	68	60	54	65	58	53	62	56	52	49
4	77	64	54	47	75	62	53	46	60	52	45	57	50	44	54	48	44	41
5	71	57	47	40	68	55	46	39	53	45	39	51	43	38	49	42	37	35
6	65	51	41	34	63	50	40	34	48	39	33	46	38	33	44	37	32	30
7	60	46	36	30	58	45	36	30	43	35	29	41	34	29	40	33	28	26
8	56	42	33	26	54	41	32	26	39	31	26	38	31	26	36	30	25	23
9	52	38	29	23	51	37	29	23	36	28	23	35	28	23	34	27	23	21
10	49	35	27	21	47	34	26	21	33	26	21	32	25	21	31	25	20	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16962	16962	16962	16962
5°	16938	16905	16938	16905
10°	16986	16900	16986	16900
15°	17058	16939	17058	16939
20°	17152	17071	17152	17071
25°	17261	17235	17261	17235
30°	17381	17438	17381	17438
35°	17500	17814	17500	17814
40°	17604	18394	17604	18394
45°	17683	19317	17683	19317
50°	17722	20784	17722	20784
55°	17696	22985	17696	22985
60°	17601	25843	17601	25843
65°	17375	29566	17375	29566
70°	16961	33938	16961	33938
75°	16028	37306	16028	37306
80°	14167	39841	14167	39841
85°	10344	47439	10344	47439



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1177.4	2.4
10°-20°	3404.2	7.0
20°-30°	5282.4	10.9
30°-40°	6635.8	13.7
40°-50°	7382.6	15.3
50°-60°	7601.3	15.7
60°-70°	7298.5	15.1
70°-80°	5887.3	12.2
80°-90°	2686.8	5.6
90°-100°	729.3	1.5
100°-110°	232.4	0.5
110°-120°	25.3	0.1
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°	9864.1	20.4
0°-40°	16499.9	34.1
0°-60°	31483.8	65.1
0°-90°	47356.4	98.0
90°-120°	987.0	2.0
90°-150°	987.0	2.0
90°-180°	987.0	2.0
0°-180°	48343.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	12418	12418	12418	12418	12418	
5°	12353	12329	12353	12329	12353	###
15°	12063	11979	12063	11979	12063	3409
25°	11453	11436	11453	11436	11453	5283
35°	10495	10683	10495	10683	10495	6566
45°	9154	10000	9154	10000	9154	7058
55°	7431	9652	7431	9652	7431	6636
65°	5376	9148	5376	9148	5376	5310
75°	3037	7069	3037	7069	3037	3198
85°	660	3027	660	3027	660	804
90°	0	1712	0	1712	0	90
95°	0	1322	0	1322	0	0
105°	0	544	0	544	0	0
115°	0	70	0	70	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°	12418	12418	12418	12418	12418	12418	12418	12418	12418	12418	12418
5°	12353	12394	12441	12367	12329	12367	12441	12394	12353	12394	12441
10°	12247	12269	12253	12216	12185	12216	12253	12269	12247	12269	12253
15°	12063	12065	12093	12014	11979	12014	12093	12065	12063	12065	12093
20°	11800	11786	11786	11765	11744	11765	11786	11786	11800	11786	11786
25°	11453	11432	11454	11460	11436	11460	11454	11432	11453	11432	11454
30°	11020	11001	11059	11085	11056	11085	11059	11001	11020	11001	11059
35°	10495	10498	10588	10702	10683	10702	10588	10498	10495	10498	10588
40°	9873	9916	10053	10253	10316	10253	10053	9916	9873	9916	10053
45°	9154	9244	9508	9853	10000	9853	9508	9244	9154	9244	9508
50°	8340	8477	8955	9539	9781	9539	8955	8477	8340	8477	8955
55°	7431	7637	8426	9322	9652	9322	8426	7637	7431	7637	8426
60°	6443	6759	7983	9113	9460	9113	7983	6759	6443	6759	7983
65°	5376	5884	7607	8809	9148	8809	7607	5884	5376	5884	7607
70°	4247	5030	7156	8257	8498	8257	7156	5030	4247	5030	7156
75°	3037	4271	6406	7033	7069	7033	6406	4271	3037	4271	6406
80°	1801	3442	4868	5073	5065	5073	4868	3442	1801	3442	4868
85°	660	1943	2666	2970	3027	2970	2666	1943	660	1943	2666
90°	0	284	1074	1575	1712	1575	1074	284	0	284	1074
95°	0	92	717	1185	1322	1185	717	92	0	92	717
100°	0	0	362	772	906	772	362	0	0	0	362
105°	0	0	112	426	544	426	112	0	0	0	112
110°	0	0	0	163	259	163	0	0	0	0	0
115°	0	0	0	20	70	20	0	0	0	0	0
120°	0	0	0	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	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



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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	12418	12418	12418	12418	12418	12418
5°	12367	12329	12367	12441	12394	12353
10°	12216	12185	12216	12253	12269	12247
15°	12014	11979	12014	12093	12065	12063
20°	11765	11744	11765	11786	11786	11800
25°	11460	11436	11460	11454	11432	11453
30°	11085	11056	11085	11059	11001	11020
35°	10702	10683	10702	10588	10498	10495
40°	10253	10316	10253	10053	9916	9873
45°	9853	10000	9853	9508	9244	9154
50°	9539	9781	9539	8955	8477	8340
55°	9322	9652	9322	8426	7637	7431
60°	9113	9460	9113	7983	6759	6443
65°	8809	9148	8809	7607	5884	5376
70°	8257	8498	8257	7156	5030	4247
75°	7033	7069	7033	6406	4271	3037
80°	5073	5065	5073	4868	3442	1801
85°	2970	3027	2970	2666	1943	660
90°	1575	1712	1575	1074	284	0
95°	1185	1322	1185	717	92	0
100°	772	906	772	362	0	0
105°	426	544	426	112	0	0
110°	163	259	163	0	0	0
115°	20	70	20	0	0	0
120°	0	0	0	0	0	0
125°	0	0	0	0	0	0
130°	0	0	0	0	0	0
135°	0	0	0	0	0	0
140°	0	0	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)