

Light efficiency:



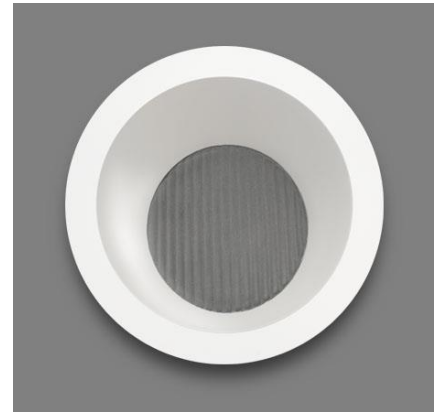
Output: 605 lm

Light quality:

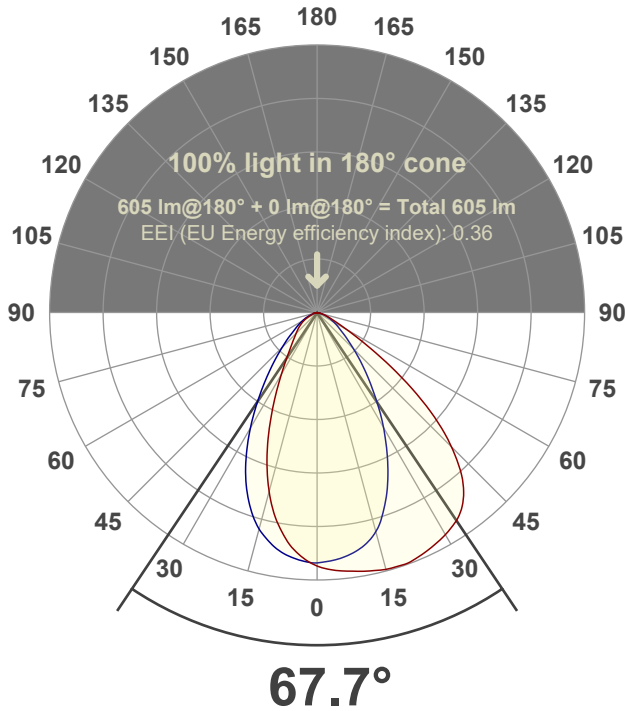


Peak: 445 cd

Power: 15.1 W



Beam angle



Test number:

GR-W-A14-3022-RD-Rev2

Luminaire Model:

Graffiti Wallwash Round-A14-3022

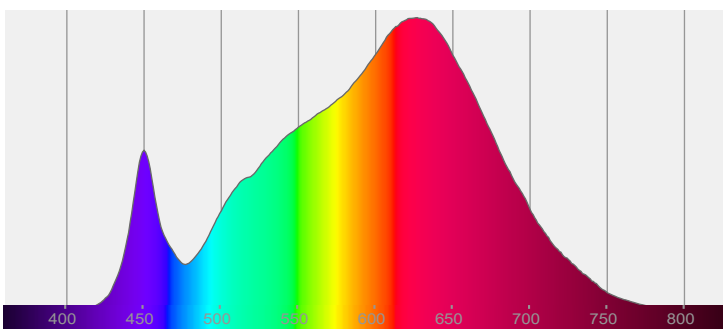
Date and time:

7/7/2022 1:54:40 PM

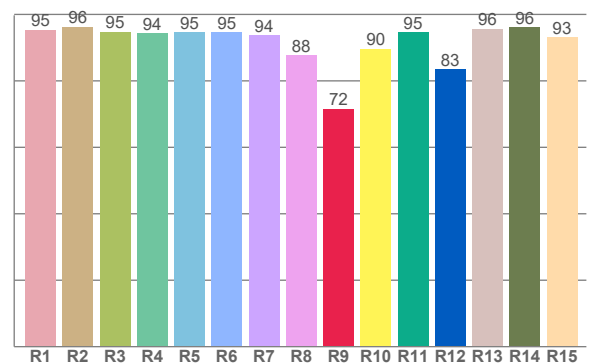
Delivered Lumens

605

Spectra



CRI: 93.9 (R1-R8)



Color parameters

	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R <sub>f</sub>	TM30 R <sub>g</sub>	CQS	x	y	u	v	Δuv
	93.9	71.6	91.3	102.8	90.4	0.437	0.398	0.253	0.346	-0.0025

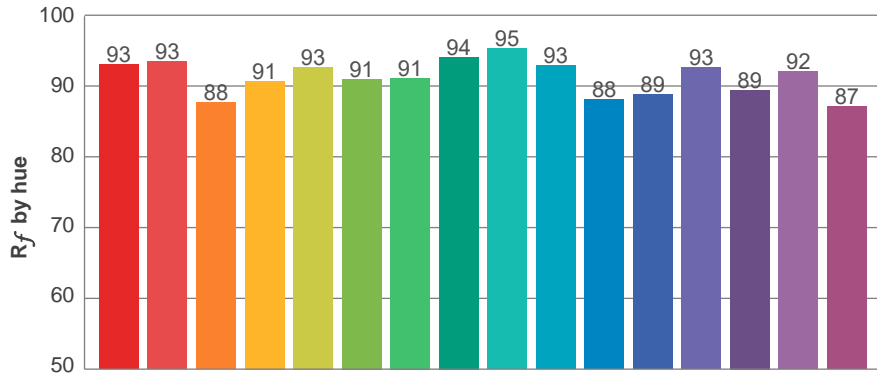
**$R_f$  91.3**  
Fidelity index  $R_f$

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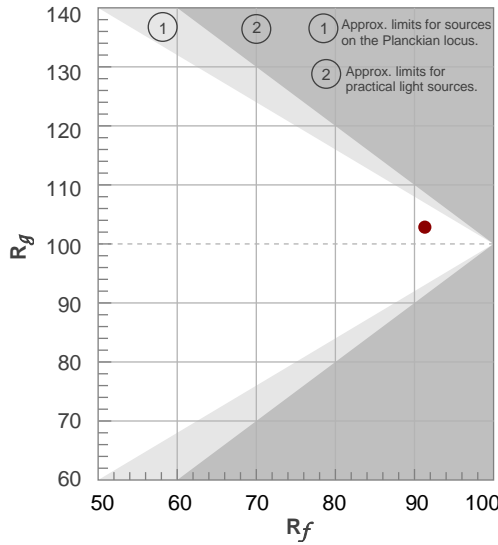
**$R_g$  102.8**  
Gammut index  $R_g$

TM30: 91.3

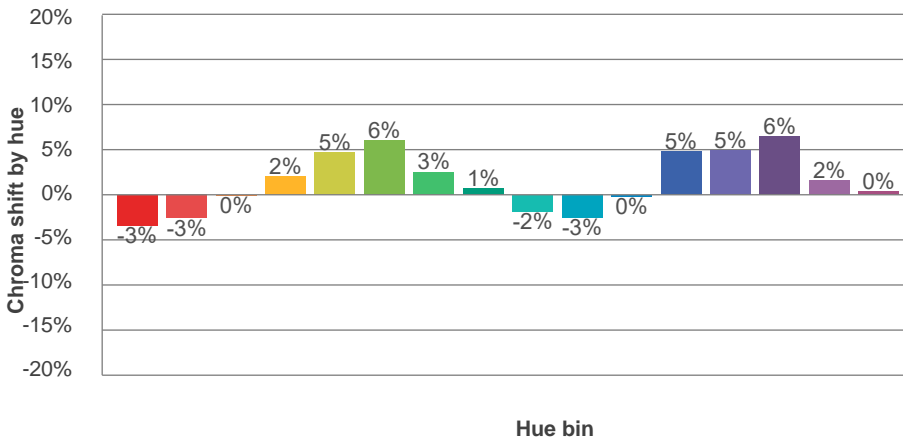
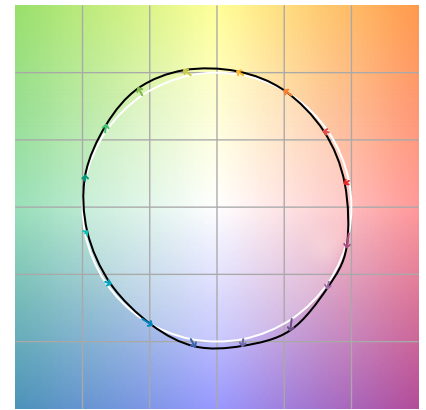
TM-30Color



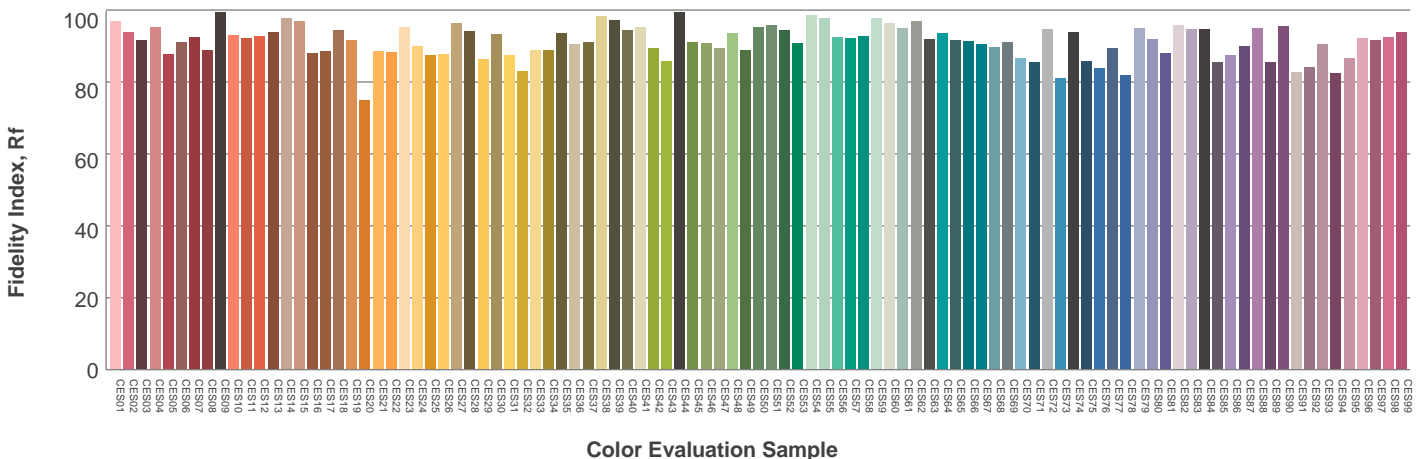
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	-1%
2	93	-3%	3%
3	88	0%	6%
4	91	2%	5%
5	93	5%	4%
6	91	6%	-1%
7	91	3%	-5%
8	94	1%	-4%
9	95	-2%	-1%
10	93	-3%	3%
11	88	0%	8%
12	89	5%	4%
13	93	5%	-2%
14	89	6%	-6%
15	92	2%	-5%
16	87	0%	-10%



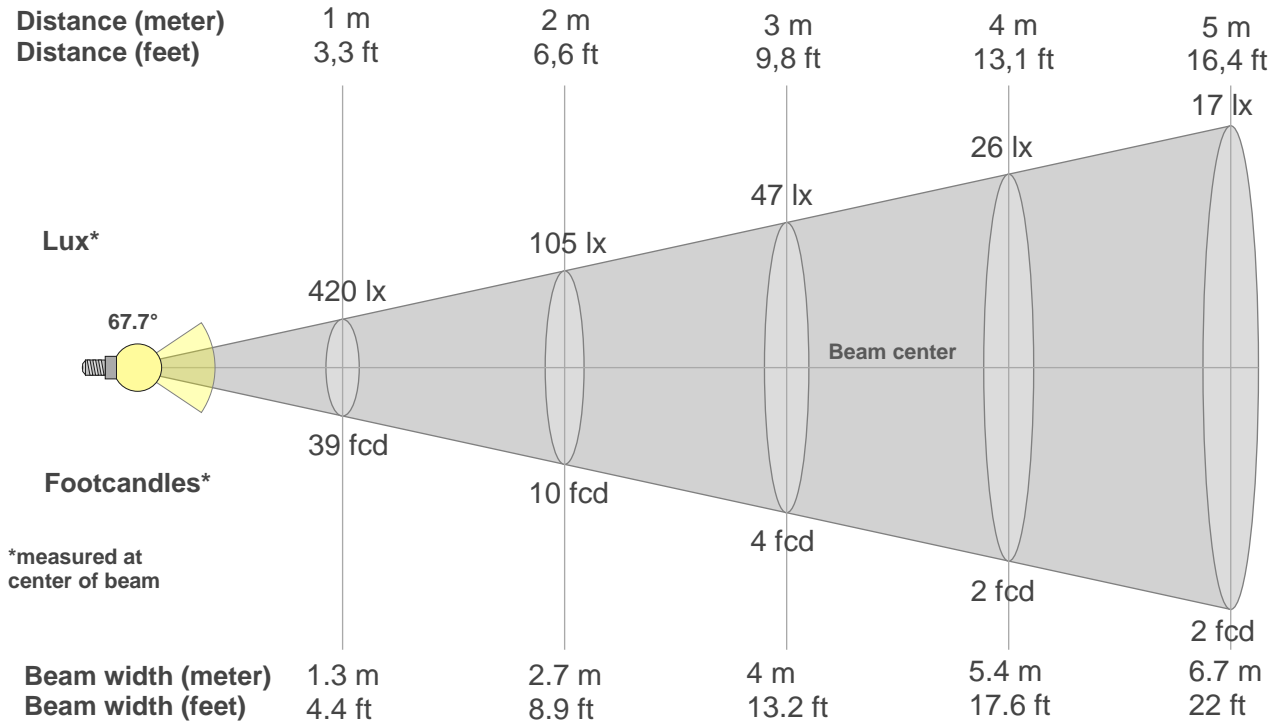
Color vector graphics



Color distortion



### Beam details



#### Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
420lx	105lx	47lx	26lx	17lx	12lx	9lx	7lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx
39.1fcd	9.8fcd	4.3fcd	2.4fcd	1.6fcd	1.1fcd	0.8fcd	0.6fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd

#### Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
420	432	438	444	445	438	428	413	380	318	232	134	64	33	20	12	6	1	1	0
100%	103%	104%	106%	106%	104%	102%	98%	90%	76%	55%	32%	15%	8%	5%	3%	1%	0%	0%	0%

#### Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
420	412	401	378	334	280	223	168	123	88	63	46	34	25	17	10	4	3	0	0
100%	98%	95%	90%	80%	67%	53%	40%	29%	21%	15%	11%	8%	6%	4%	2%	1%	1%	0%	0%

#### Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
420	401	363	309	244	176	121	85	64	51	41	33	25	17	11	8	5	3	0	0
100%	95%	86%	74%	58%	42%	29%	20%	15%	12%	10%	8%	6%	4%	3%	2%	1%	1%	0%	0%

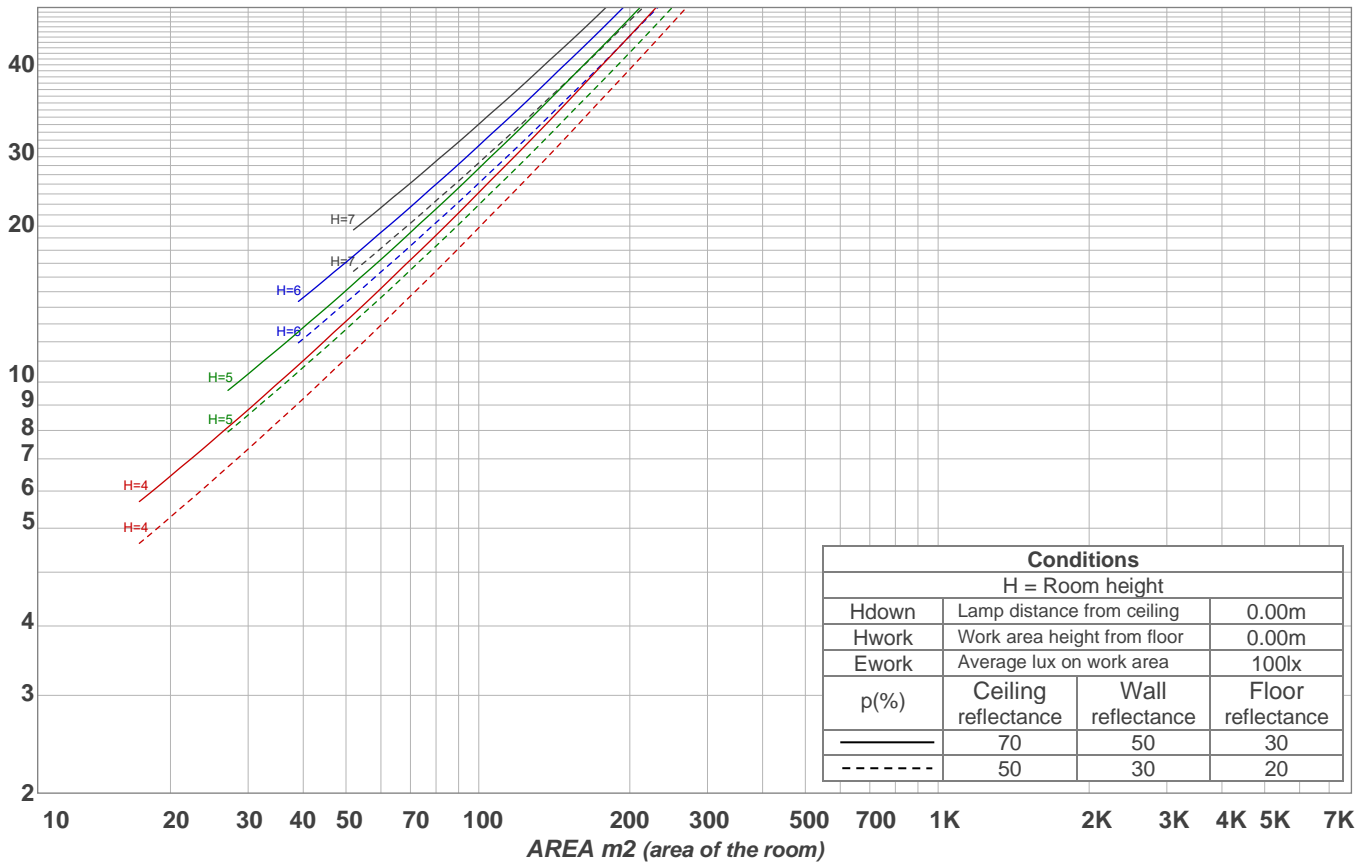
#### Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
420	412	399	374	334	283	224	167	120	85	60	43	31	22	14	7	3	1	1	0
100%	98%	95%	89%	80%	67%	53%	40%	29%	20%	14%	10%	7%	5%	3%	2%	1%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
67.7°	111.3°	145.9°	94.0%	77.4%

LAMPS (number of lamps)  
50

### Light planning Luminaire budgetary diagram



### Luminaire budgetary diagram AREA m2 (area of the room) Coefficients of Utilization

Ceiling reflectance	80				70				50			30			10			0			
Wall reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
Floor reflectance	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
RCR	(RCR: Room Cavity Ratio)																				
	Room Values are expressed as percentage of Lumens delivered to the task surface																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	
1	112	108	105	102	109	106	103	101	102	100	97	98	96	94	95	93	92	90	90	90	
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80	80	80	
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73	71	71	71	
4	91	81	74	69	89	80	73	68	77	72	67	75	70	67	73	69	66	64	64	64	
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58	58	58	
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52	52	52	
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48	48	48	
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44	44	44	
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40	40	40	
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37	37	37	

### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
39.2 lm	106 lm	137 lm	131 lm	101 lm	55.0 lm	24.0 lm	9.68 lm	2.63 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm