

Light efficiency:

88 Lumen/Watt

Color temperature:

3552 K

Light quality:

CRI:92.6, R_g:98.2, R_f:91.3

P: 2 / V: - / F: 2

Output: 6807 lm

Peak: 17586 cd

Power: 77.0 W

Voltage: 120 V

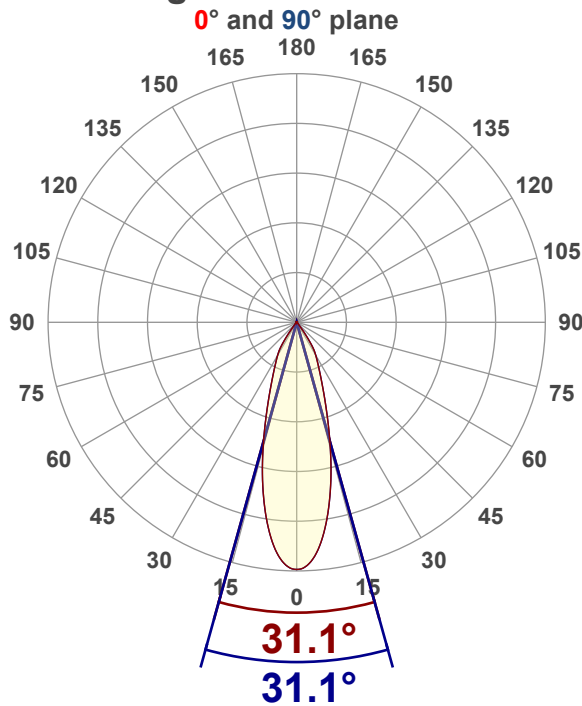
Current: 0.645 A

PF: 0.99

THD: 5.64 %



Angular Distribution



Product name:

GCY6ATE-7035M-BKRHCS

Test Date:

3/2/2026

Beam Angle (50% of the brightness of the centre):

31.1°

Field Angle (10% of the brightness of the centre):

67.4°

Cut Off Angle (2.5% of the brightness of the centre):

76.3°

Beam Details

*measured at centre of beam

Mounting Height (feet)\(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	11831 lx	1099 fc	2.2 ft / 0.7 m
8 ft / 2.4 m	2958 lx	275 fc	4.5 ft / 1.4 m
12 ft / 3.7 m	1315 lx	122 fc	6.7 ft / 2 m
16 ft / 4.9 m	739 lx	69 fc	8.9 ft / 2.7 m
20 ft / 6.1 m	473 lx	44 fc	11.1 ft / 3.4 m

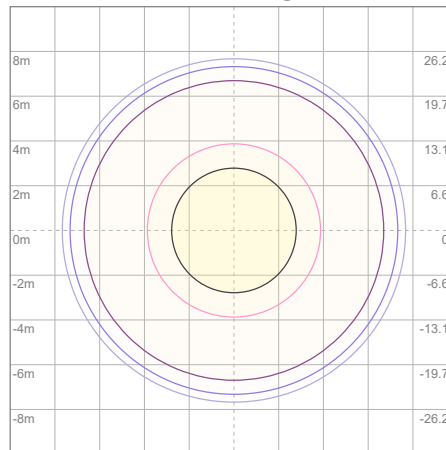
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	5799	85.19%
0-40	6619	97.24%
0-60	6766	99.40%
60-90	26.2	0.38%
70-100	11.0	0.16%
90-120	1.81	0.03%
0-90	6793	99.79%
90-180	14.0	0.21%
0-180	6807	100.00%

ISO Lux Diagram



Lux at center:	1890 lx
3%	56.70 lx
5%	94.50 lx
10%	189.00 lx
30%	567.00 lx
50%	945.00 lx

Conditions:
 Number of planes: 8
 Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

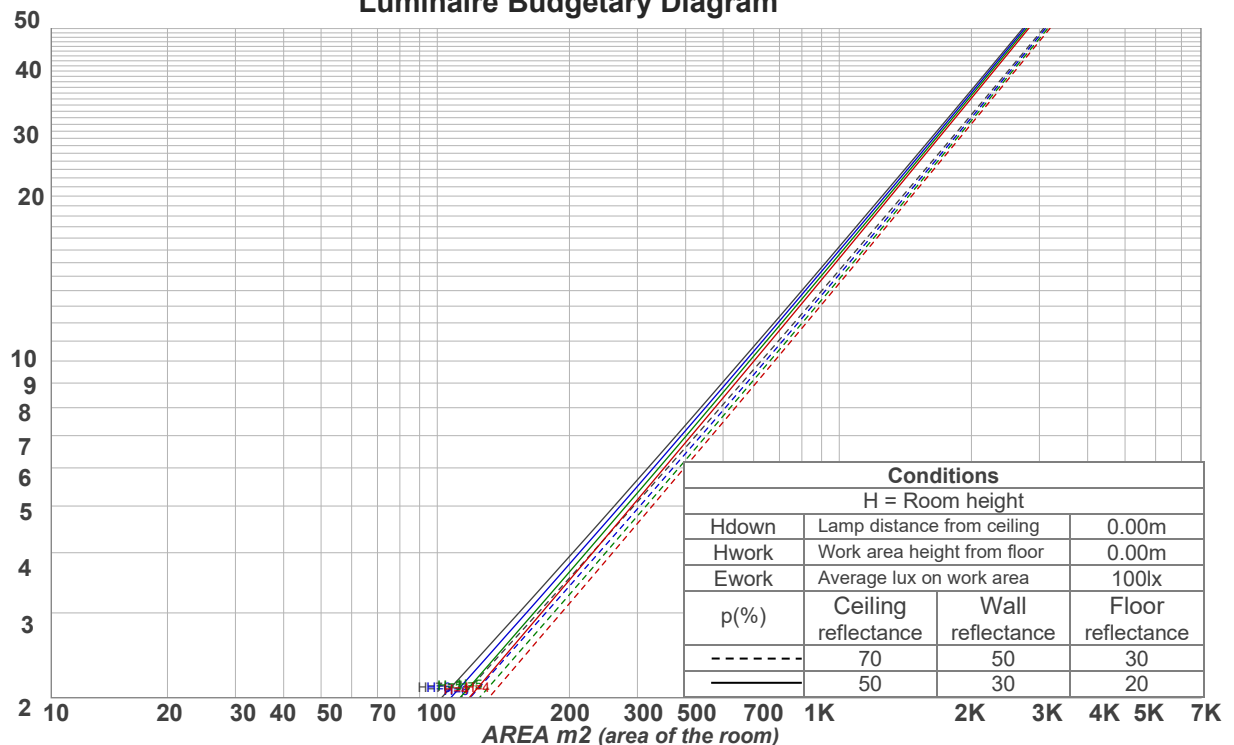
Mounting height: 3.05 meters (10 feet)

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	0
Floor reflectance	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
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95
2	110	105	102	99	107	104	100	98	100	98	96	98	95	94	95	93	92	90
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	86
4	101	94	90	86	99	93	89	86	91	88	85	89	86	84	88	85	83	81
5	97	90	85	81	95	89	84	81	87	83	80	86	82	79	84	81	79	78
6	93	86	81	77	92	85	80	77	83	79	76	82	78	76	81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	72	69	76	72	69	75	71	69	68
9	83	75	70	67	82	75	70	67	74	69	66	73	69	66	72	69	66	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	63	69	66	63	62

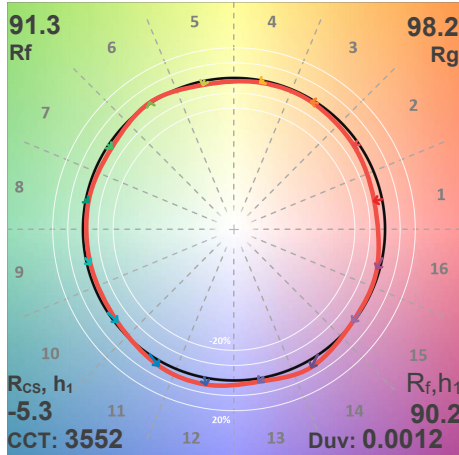
LAMPS (number of lamps)

Luminaire Budgetary Diagram

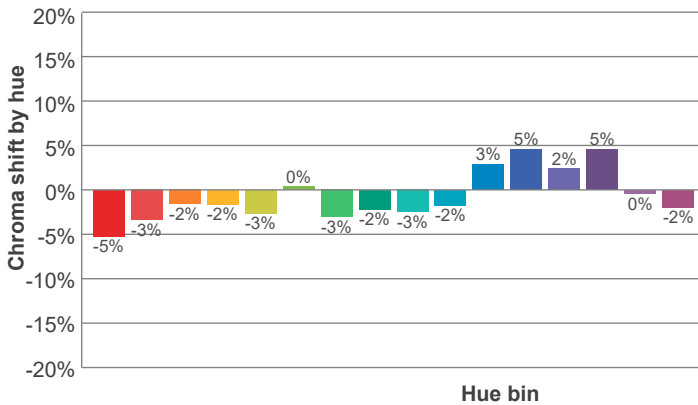
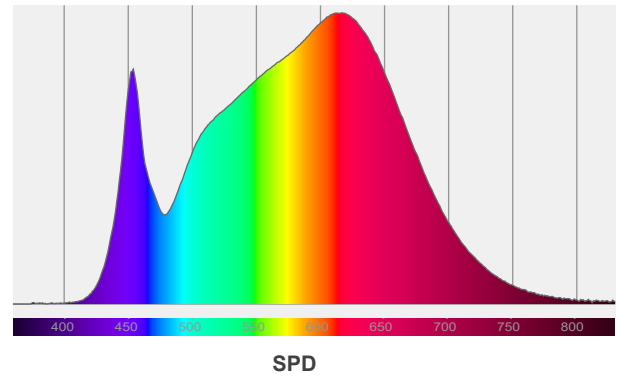
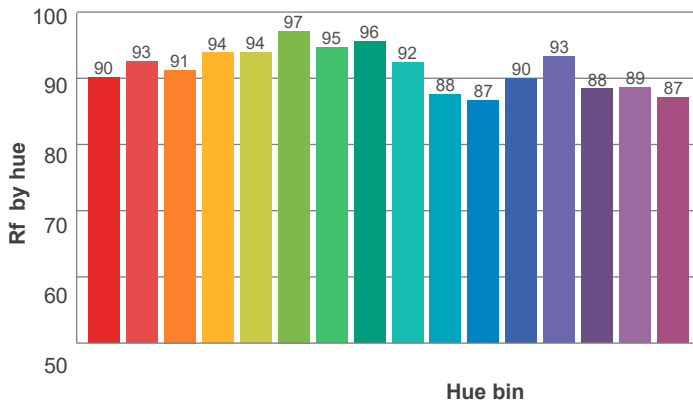
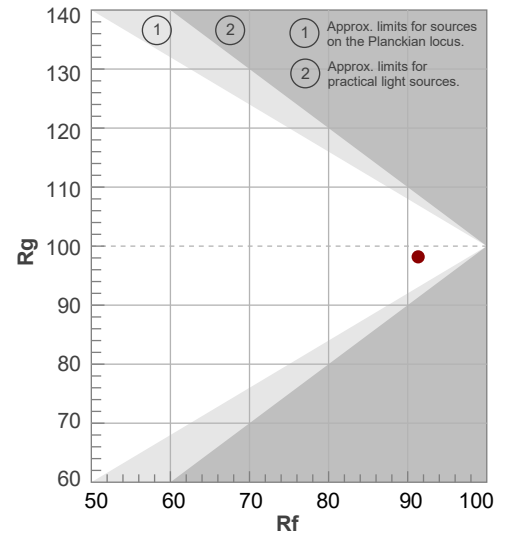


ANSI/IES TM-30-18

P: 2 / V: - / F: 2



Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	90	-5%	0%
2	93	-3%	2%
3	91	-2%	4%
4	94	-2%	2%
5	94	-3%	1%
6	97	0%	0%
7	95	-3%	0%
8	96	-2%	1%
9	92	-3%	4%
10	88	-2%	8%
11	87	3%	9%
12	90	5%	2%
13	93	2%	-4%
14	88	5%	-8%
15	89	0%	-7%
16	87	-2%	-7%



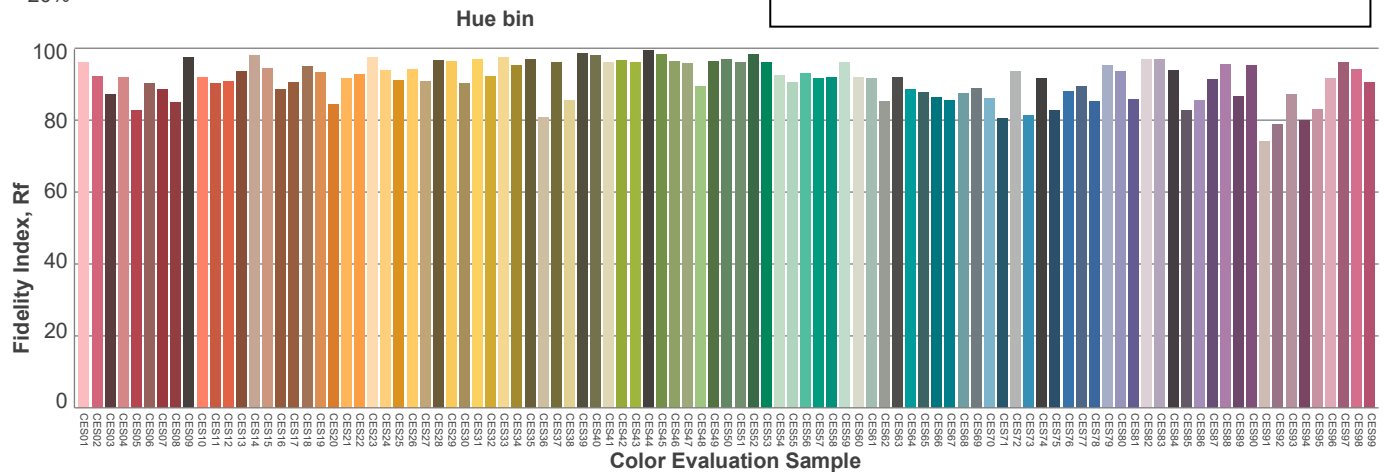
Red: 32.3%, Power=0.055W

Blue: 11.3%, Power=0.045W

Green: 27.5%, Power=0.087W

UVA: 0%, Power=0.001W

Dominant Wavelength: 582nm

1st Peak Wavelength: 617nm2nd Peak Wavelength: 454nm

Glare Evaluation According to UGR

Corrected, comprehensive UGR table according to 117-1995, S/H ratio=0.25

p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size H = mounting height above eye level X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	15.4	15.9	15.5	16.1	16.3	15.4	15.9	15.5	16.1	16.3
	3H	15.1	15.8	15.5	16.0	16.1	15.1	15.8	15.5	16.0	16.1
	4H	15.0	15.7	15.4	15.9	16.1	15.0	15.7	15.4	15.9	16.1
	6H	15.0	15.5	15.3	15.8	16.2	15.0	15.5	15.3	15.8	16.2
	8H	15.0	15.5	15.3	15.8	16.2	15.0	15.5	15.3	15.8	16.2
	12H	14.9	15.4	15.3	15.8	16.2	14.9	15.4	15.3	15.8	16.2
4H	2H	15.0	15.7	15.4	15.9	16.1	15.0	15.7	15.4	15.9	16.1
	3H	14.9	15.4	15.3	15.8	16.2	14.9	15.4	15.3	15.8	16.2
	4H	14.8	15.2	15.2	15.7	16.2	14.8	15.2	15.2	15.7	16.2
	6H	14.7	15.2	15.2	15.5	15.9	14.7	15.2	15.2	15.5	15.9
	8H	14.7	15.1	15.2	15.5	15.8	14.7	15.1	15.2	15.5	15.8
	12H	14.6	14.9	15.1	15.3	15.8	14.6	14.9	15.1	15.3	15.8
8H	4H	14.6	15.1	15.2	15.4	15.8	14.6	15.1	15.2	15.4	15.8
	6H	14.6	14.9	15.1	15.3	15.9	14.6	14.9	15.1	15.3	15.9
	8H	14.6	14.8	15.1	15.3	16.0	14.6	14.8	15.1	15.3	16.0
	12H	14.5	14.7	15.1	15.2	15.8	14.5	14.7	15.1	15.2	15.8
12H	4H	14.6	14.9	15.1	15.3	15.8	14.6	14.9	15.1	15.3	15.8
	6H	14.6	14.8	15.1	15.3	16.0	14.6	14.8	15.1	15.3	16.0
	8H	14.5	14.7	15.1	15.2	15.8	14.5	14.7	15.1	15.2	15.8
Variation of the observer position for the luminaire distance S											
S = 1.0H		6.4 / -11.8					6.4 / -11.8				
S = 1.5H		9.2 / -14.1					9.2 / -14.1				
S = 2.0H		11.2 / -15.0					11.2 / -15.0				
Corrected glare indices referring to 6807 lm total luminous flux											