

## Light efficiency:

**80 Lumen/Watt**

## Color temperature:

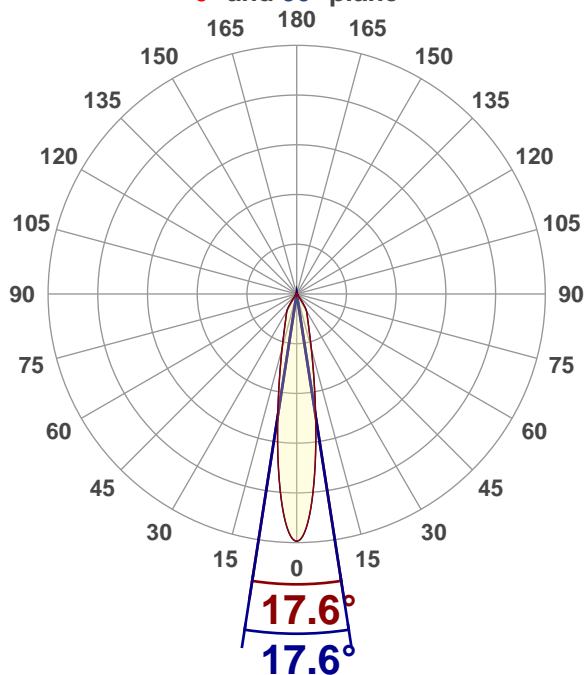
**4069 K**

## Light quality:

**CRI:90.9, R<sub>g</sub>:90.9, R<sub>f</sub>:98.1****P: 2 / V: - / F: 3****Output: 4544 lm****Peak: 22248 cd****Power: 57.1 W****Voltage: 120 V****Current: 0.476 A****PF: 1.0****THD: 5.59 %**

## Angular Distribution

0° and 90° plane



Product name:

**GEN06-4040-SHCxxx**

Test Date:

**2020-10-08**

Beam Angle (50% of the brightness of the centre):  
**17.6°**

Field Angle (10% of the brightness of the centre):  
**50.9°**

Cut Off Angle (2.5% of the brightness of the centre):  
**71.8°**

## Beam Details

\*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	14968 lx	1391 fc	1.2 ft / 0.4 m
8 ft / 2.4 m	3742 lx	348 fc	2.5 ft / 0.8 m
12 ft / 3.7 m	1663 lx	155 fc	3.7 ft / 1.1 m
16 ft / 4.9 m	935 lx	87 fc	5 ft / 1.5 m
20 ft / 6.1 m	599 lx	56 fc	6.2 ft / 1.9 m

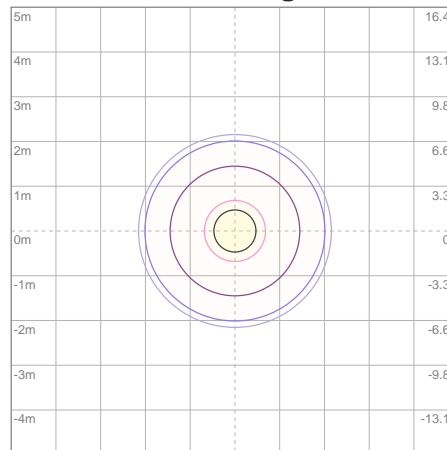
Beam center

# Photometric Testing Report

## Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	3911	86.07%
0-40	4413	97.12%
0-60	4499	99.01%
60-90	12.7	0.28%
70-100	12.0	0.26%
90-120	12.4	0.27%
0-90	4512	99.30%
90-180	31.7	0.70%
0-180	4544	100.00%

## ISO Lux Diagram



Lux at center:	2392 lx
3%	71.76 lx
5%	119.60 lx
10%	239.20 lx
30%	717.60 lx
50%	1196.00 lx

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

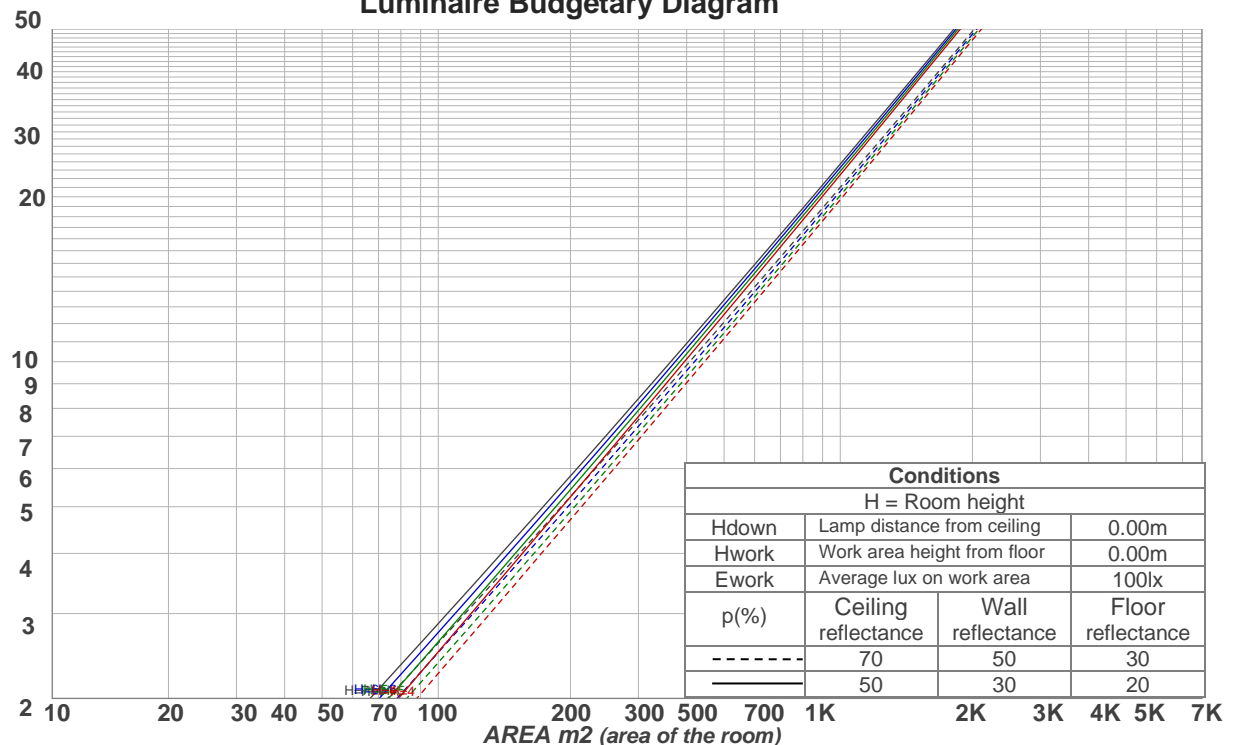
Mounting height: 3.05 meters (10 feet)

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

LAMPS (number of lamps)

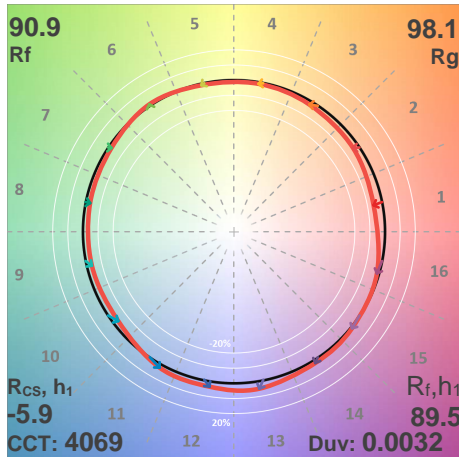
## Luminaire Budgetary Diagram



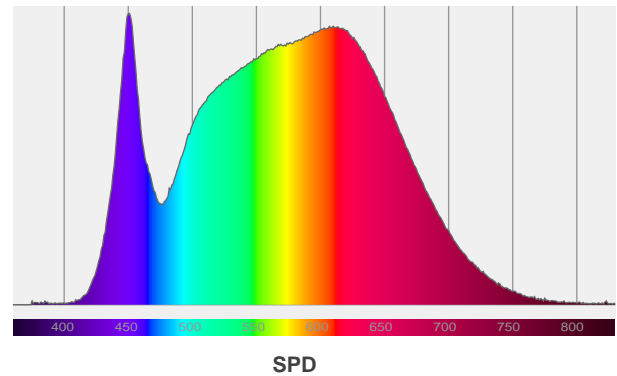
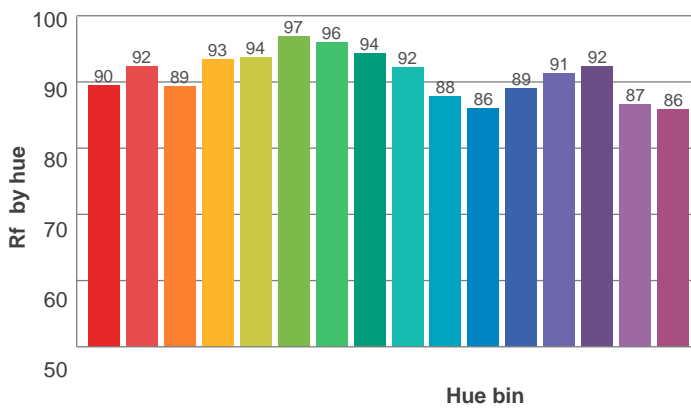
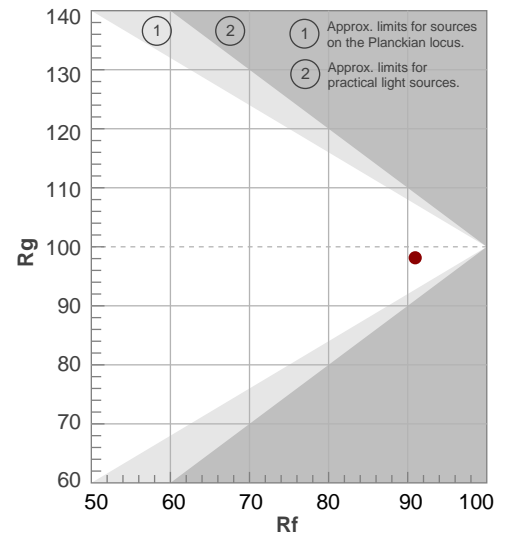
## Photometric Testing Report

ANSI/IES TM-30-18

P: 2 / V: - / F: 3



Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	90	-6%	-1%
2	92	-4%	2%
3	89	-2%	5%
4	93	-1%	3%
5	94	-1%	2%
6	97	1%	0%
7	96	-2%	-1%
8	94	-3%	0%
9	92	-4%	4%
10	88	-4%	7%
11	86	2%	9%
12	89	4%	4%
13	91	5%	-4%
14	92	2%	-3%
15	87	1%	-10%
16	86	-2%	-9%



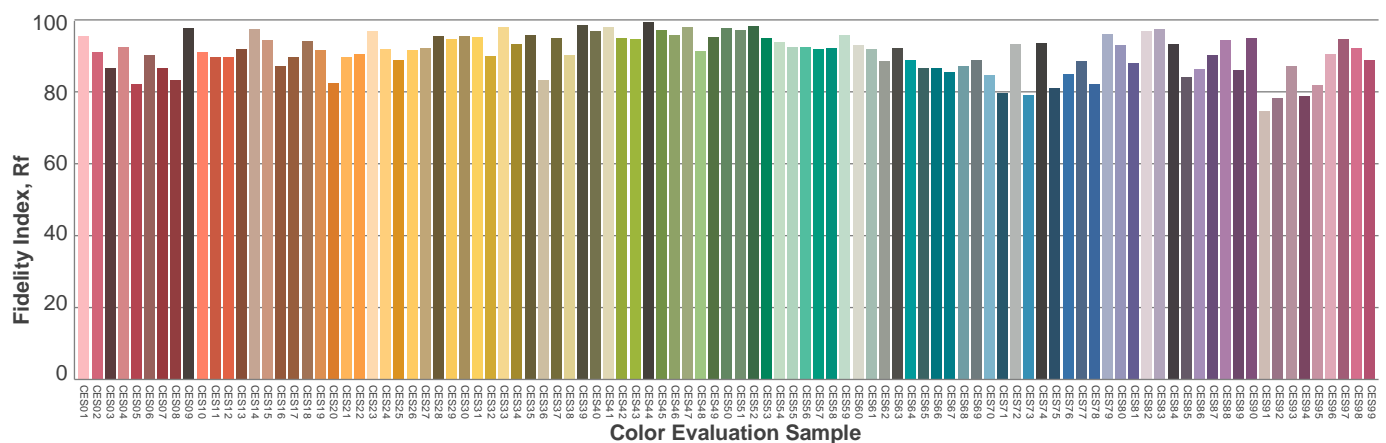
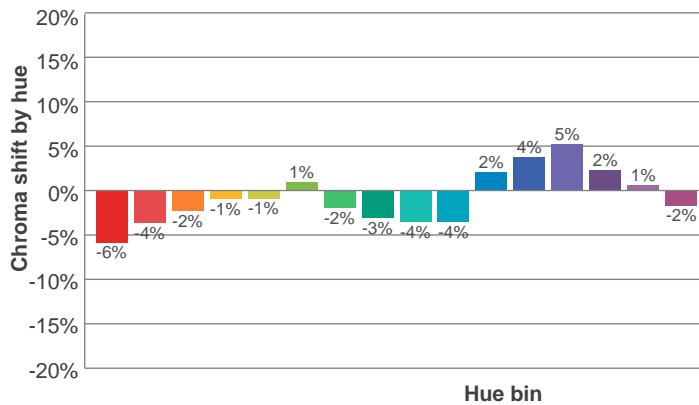
Red: 28.2%, Power=31.4mW

Blue: 12.3%, Power=29.5mW

Green: 29.8%, Power=61.4mW

UVA: 0.1%, Power=0.9mW

Dominant Wavelength: 580nm

1<sup>st</sup> Peak Wavelength: 451nm2<sup>nd</sup> Peak Wavelength: 610nm

## Glare Evaluation According to UGR

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 X      Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	15.2	15.6	15.2	15.8	16.0	15.2	15.6	15.2	15.8	16.0
	3H	14.8	15.5	15.2	15.7	15.9	14.8	15.5	15.2	15.7	15.9
	4H	14.8	15.4	15.2	15.6	15.9	14.8	15.4	15.2	15.6	15.9
	6H	14.8	15.3	15.1	15.6	15.9	14.8	15.3	15.1	15.6	15.9
	8H	14.7	15.2	15.1	15.6	16.0	14.7	15.2	15.1	15.6	16.0
	12H	14.7	15.2	15.1	15.5	16.0	14.7	15.2	15.1	15.5	16.0
4H	2H	14.8	15.4	15.2	15.6	15.8	14.8	15.4	15.2	15.6	15.8
	3H	14.7	15.1	15.0	15.5	15.9	14.7	15.1	15.0	15.5	15.9
	4H	14.5	15.0	14.9	15.4	15.9	14.5	15.0	14.9	15.4	15.9
	6H	14.5	15.0	15.0	15.3	15.7	14.5	15.0	15.0	15.3	15.7
	8H	14.4	14.9	15.0	15.2	15.6	14.4	14.9	15.0	15.2	15.6
	12H	14.4	14.7	14.9	15.2	15.6	14.4	14.7	14.9	15.2	15.6
8H	4H	14.4	14.8	14.9	15.2	15.6	14.4	14.8	14.9	15.2	15.6
	6H	14.4	14.6	14.9	15.1	15.7	14.4	14.6	14.9	15.1	15.7
	8H	14.4	14.6	14.9	15.1	15.8	14.4	14.6	14.9	15.1	15.8
	12H	14.4	14.6	15.0	15.1	15.7	14.4	14.6	15.0	15.1	15.7
12H	4H	14.3	14.7	14.8	15.1	15.6	14.3	14.7	14.8	15.1	15.6
	6H	14.4	14.6	14.9	15.1	15.7	14.4	14.6	14.9	15.1	15.7
	8H	14.3	14.5	14.9	15.0	15.6	14.3	14.5	14.9	15.0	15.6
Variation of the observer position for the luminaire distance S											
S = 1.0H		6.2 / -8.5					6.2 / -8.5				
S = 1.5H		9.0 / -9.0					9.0 / -9.0				
S = 2.0H		11.0 / -9.3					11.0 / -9.3				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 4544 lm total luminous flux											