

## Light efficiency:

**80 Lumen/Watt**

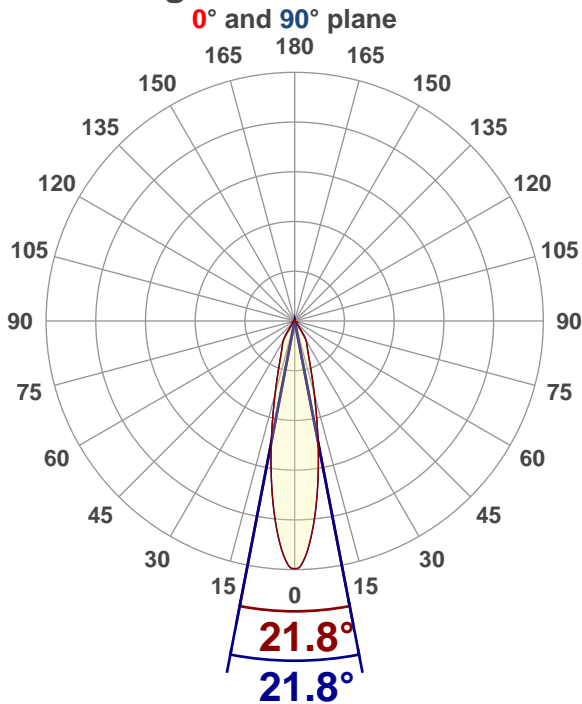
## Color temperature:

**4069 K**

## Light quality:

**CRI:90.7, R<sub>g</sub>:90.9, R<sub>f</sub>:98.2****P: 2 / V: - / F: 3****Output: 4550 lm****Peak: 18292 cd****Power: 57.0 W****Voltage: 119 V****Current: 0.479 A****PF: 1.0****THD: 5.32 %**

## Angular Distribution



Product name:

**GEN06-4040-NSxxxx**

Test Date:

**2020-10-09**

Beam Angle (50% of the brightness of the centre):  
**21.8°**

Field Angle (10% of the brightness of the centre):  
**57.4°**

Cut Off Angle (2.5% of the brightness of the centre):  
**73°**

## Beam Details

\*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Beam angle	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	12306 lx	21.8°	1143 fc	1.5 ft / 0.5 m
8 ft / 2.4 m	3076 lx		286 fc	3.1 ft / 0.9 m
12 ft / 3.7 m	1367 lx		127 fc	4.6 ft / 1.4 m
16 ft / 4.9 m	769 lx		71 fc	6.2 ft / 1.9 m
20 ft / 6.1 m	492 lx		46 fc	7.7 ft / 2.4 m

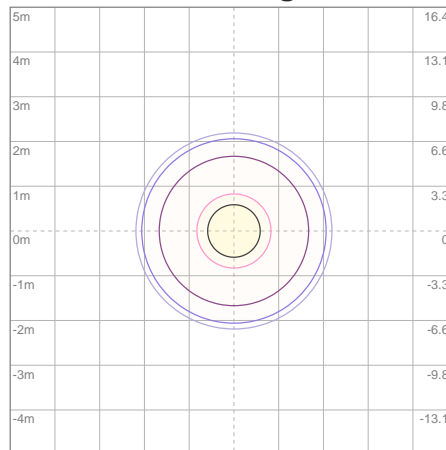
Beam center

# Photometric Testing Report

## Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	3932	86.42%
0-40	4425	97.25%
0-60	4515	99.23%
60-90	9.53	0.21%
70-100	7.76	0.17%
90-120	8.34	0.18%
0-90	4524	99.43%
90-180	25.9	0.57%
0-180	4550	100.00%

## ISO Lux Diagram



Lux at center:	1966 lx
3%	58.98 lx
5%	98.30 lx
10%	196.60 lx
30%	589.80 lx
50%	983.00 lx
<b>Conditions:</b> Number of planes: 8 Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.	

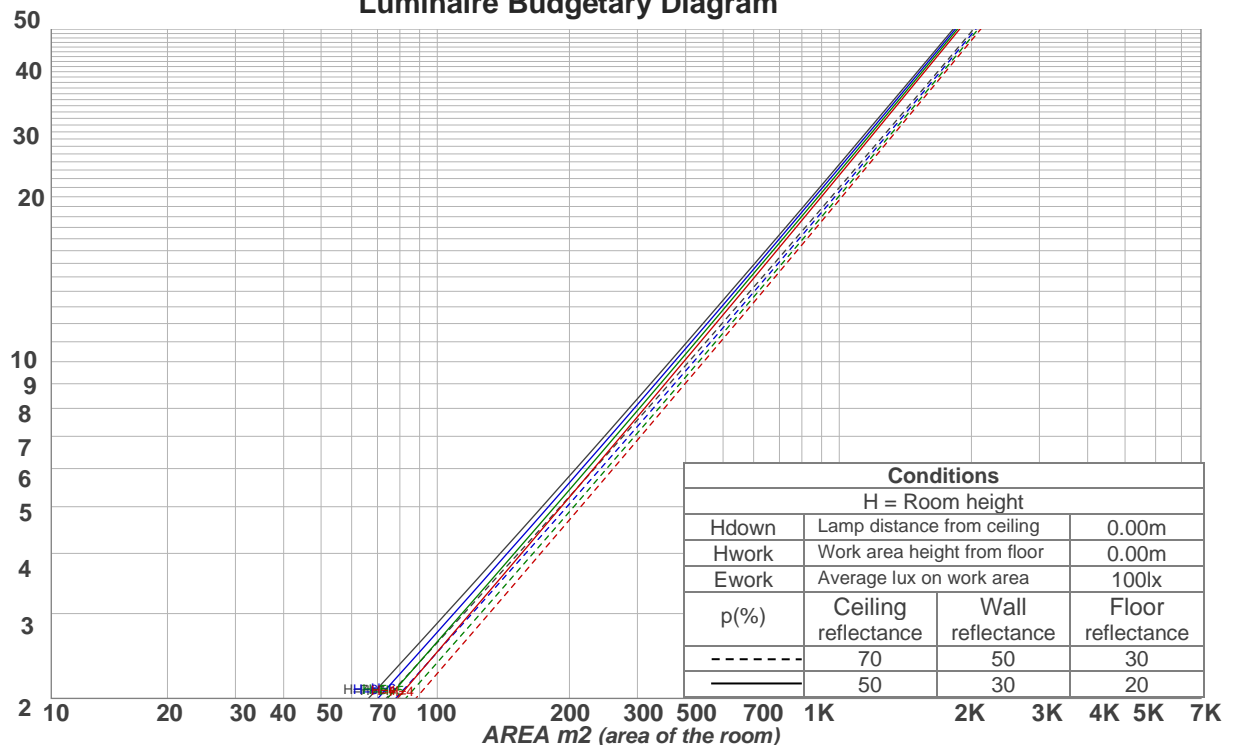
Mounting height: 3.05 meters (10 feet)

## 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	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	87	93	89	86	91	88	85	89	86	84	83
5	98	91	87	83	97	91	86	83	89	85	82	87	84	81	86	83	81	80
6	95	88	83	79	93	87	82	79	85	81	79	84	81	78	83	80	77	76
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	74	73
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	69	67	72	69	67	66

LAMPS (number of lamps)

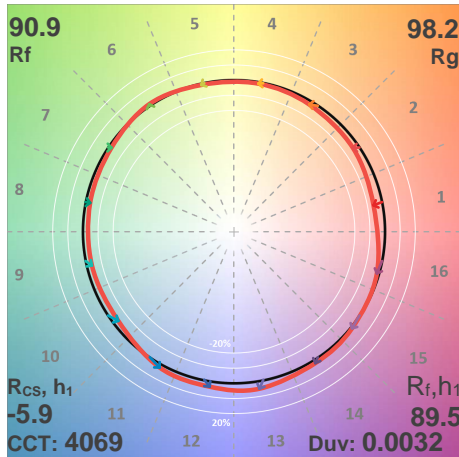
## Luminaire Budgetary Diagram



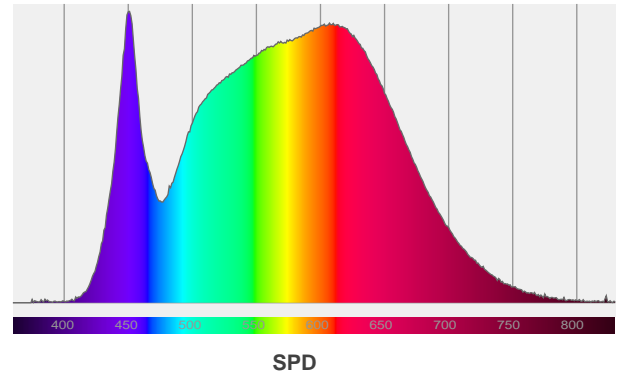
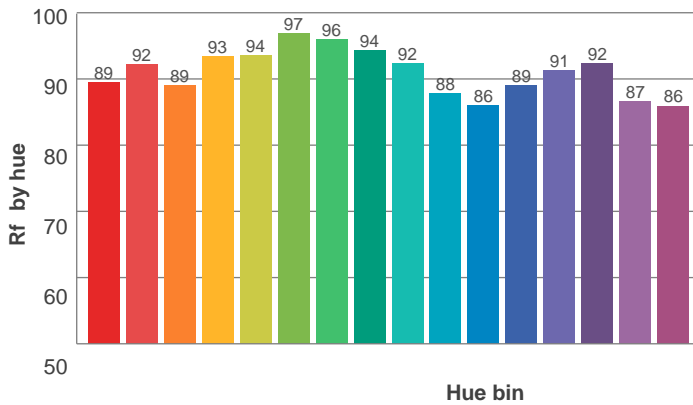
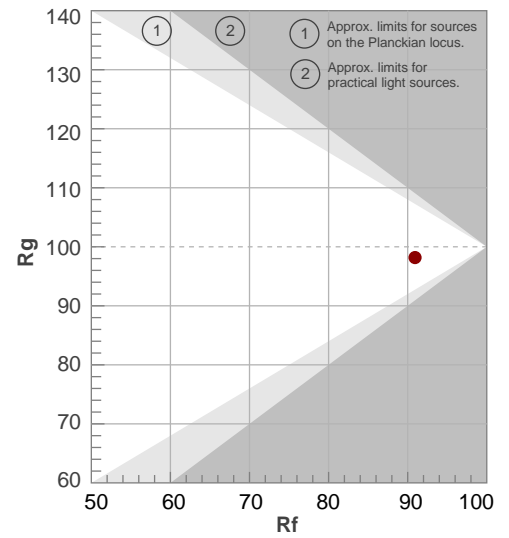
## Photometric Testing Report

ANSI/IES TM-30-18

P: 2 / V: - / F: 3



Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	89	-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%



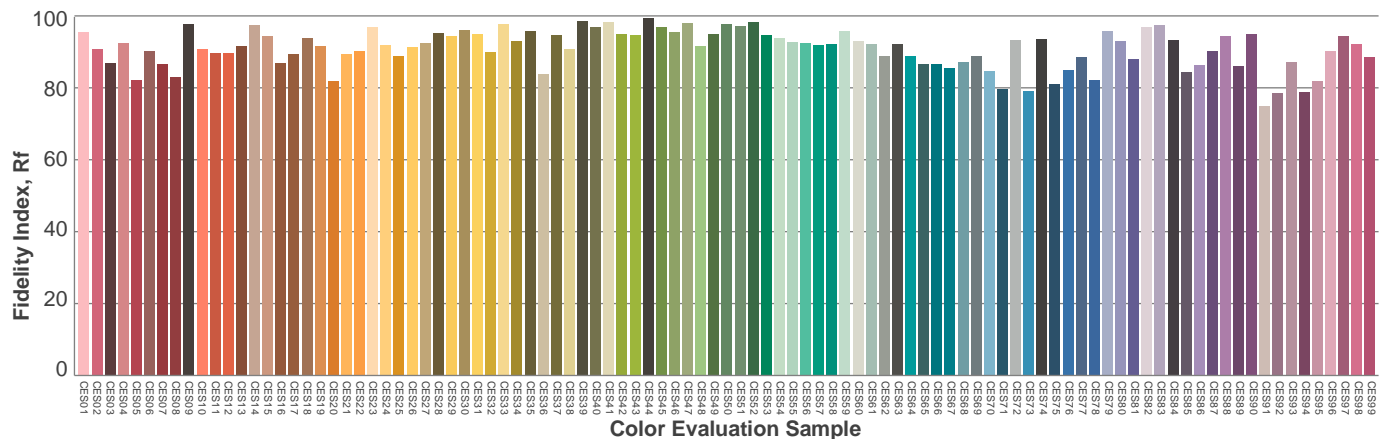
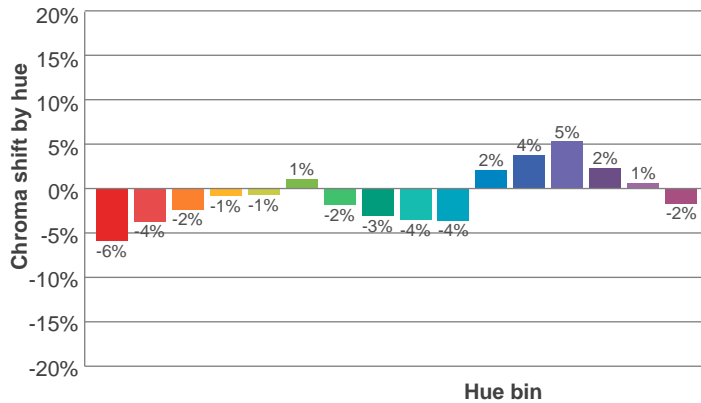
Red: 28.3%, Power=31.3mW

Blue: 12.2%, Power=29.5mW

Green: 29.7%, Power=61.4mW

UVA: 0.1%, Power=0.9mW

Dominant Wavelength: 580nm

1<sup>st</sup> Peak Wavelength: 451nm2<sup>nd</sup> Peak Wavelength: 607nm

### 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	15.0	15.5	15.1	15.7	15.9	15.0	15.5	15.1	15.7	15.9
	3H	14.7	15.3	15.0	15.5	15.7	14.7	15.3	15.0	15.5	15.7
	4H	14.6	15.2	15.0	15.4	15.7	14.6	15.2	15.0	15.4	15.7
	6H	14.6	15.1	14.9	15.4	15.8	14.6	15.1	14.9	15.4	15.8
	8H	14.6	15.0	14.9	15.4	15.8	14.6	15.0	14.9	15.4	15.8
	12H	14.5	15.0	14.9	15.3	15.8	14.5	15.0	14.9	15.3	15.8
4H	2H	14.6	15.2	15.0	15.4	15.7	14.6	15.2	15.0	15.4	15.7
	3H	14.5	15.0	14.8	15.3	15.7	14.5	15.0	14.8	15.3	15.7
	4H	14.4	14.8	14.8	15.2	15.7	14.4	14.8	14.8	15.2	15.7
	6H	14.3	14.8	14.8	15.1	15.5	14.3	14.8	14.8	15.1	15.5
	8H	14.2	14.7	14.7	15.0	15.4	14.2	14.7	14.7	15.0	15.4
	12H	14.2	14.5	14.7	14.9	15.4	14.2	14.5	14.7	14.9	15.4
8H	4H	14.2	14.7	14.7	15.0	15.4	14.2	14.7	14.7	15.0	15.4
	6H	14.2	14.4	14.7	14.9	15.4	14.2	14.4	14.7	14.9	15.4
	8H	14.2	14.4	14.7	14.9	15.5	14.2	14.4	14.7	14.9	15.5
	12H	14.1	14.3	14.7	14.8	15.4	14.1	14.3	14.7	14.8	15.4
12H	4H	14.1	14.5	14.7	14.9	15.4	14.1	14.5	14.7	14.9	15.4
	6H	14.2	14.4	14.7	14.9	15.5	14.2	14.4	14.7	14.9	15.5
	8H	14.1	14.3	14.7	14.8	15.4	14.1	14.3	14.7	14.8	15.4
Variation of the observer position for the luminaire distance S											
S = 1.0H		6.3 / -10.5					6.3 / -10.5				
S = 1.5H		9.1 / -11.5					9.1 / -11.5				
S = 2.0H		11.1 / -11.8					11.1 / -11.8				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 4550 lm total luminous flux											