

## Light efficiency:

**82 Lumen/Watt**

## Color temperature:

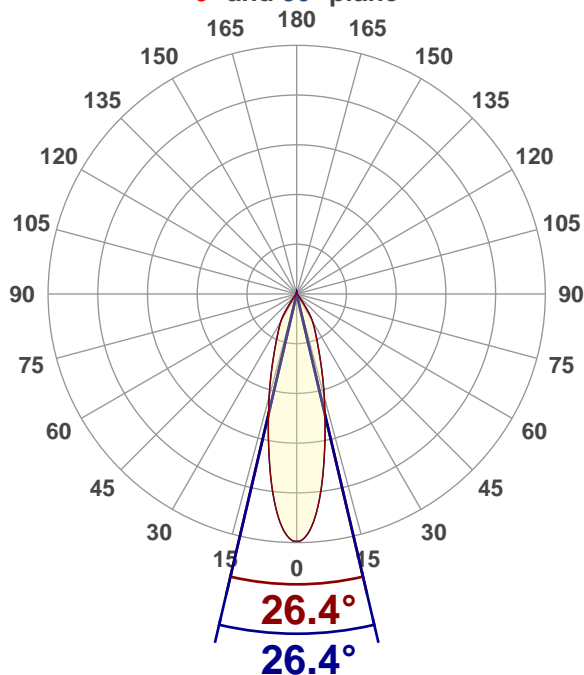
**4036 K**

## Light quality:

**CRI:91.0, R<sub>g</sub>:90.1, R<sub>f</sub>:97.0****P: 2 / V: - / F: 3****Output: 8659 lm****Peak: 26499 cd****Power: 105.4 W****Voltage: 119 V****Current: 0.888 A****PF: 1.0****THD: 10.13 %**

## Angular Distribution

0° and 90° plane



Product name:

**GEN06-9040-SSxxxx**

Test Date:

**2020-09-29**

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

**26.4°**

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

**64.2°**

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

**75.9°**

## Beam Details

\*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	17827 lx	1656 fc	1.9 ft / 0.6 m
8 ft / 2.4 m	4457 lx	414 fc	3.8 ft / 1.1 m
12 ft / 3.7 m	1981 lx	184 fc	5.6 ft / 1.7 m
16 ft / 4.9 m	1114 lx	104 fc	7.5 ft / 2.3 m
20 ft / 6.1 m	713 lx	66 fc	9.4 ft / 2.9 m

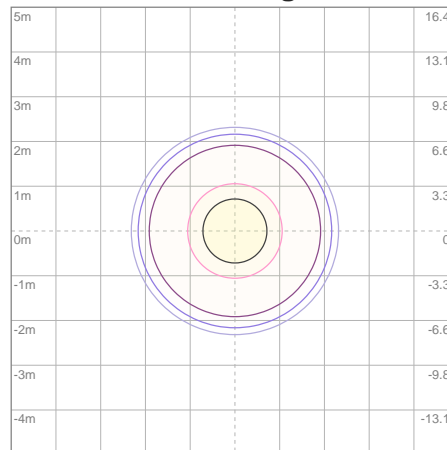
Beam center

# Photometric Testing Report

## Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	7480	86.38%
0-40	8463	97.74%
0-60	8618	99.53%
60-90	11.3	0.13%
70-100	8.82	0.10%
90-120	7.82	0.09%
0-90	8629	99.65%
90-180	30.4	0.35%
0-180	8659	100.00%

## ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

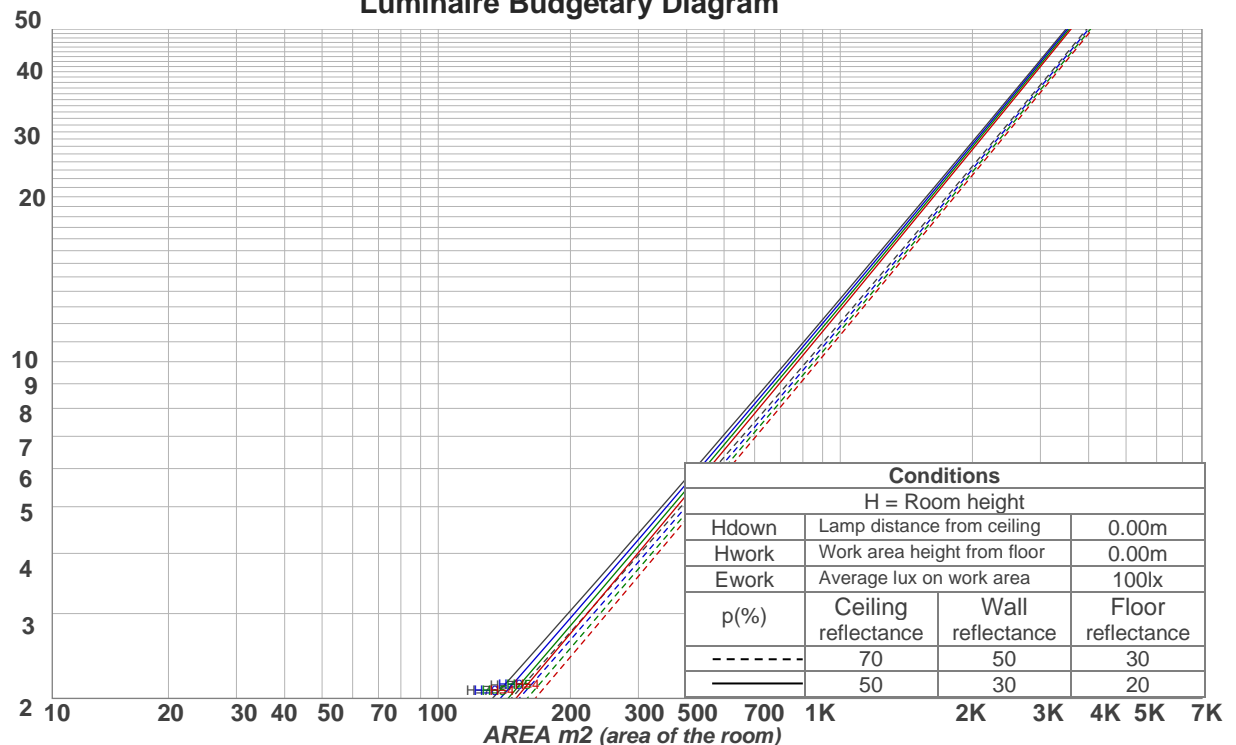
Lux at center:	2849 lx
3%	85.47 lx
5%	142.45 lx
10%	284.90 lx
30%	854.70 lx
50%	1424.50 lx
<b>Conditions:</b> Number of planes: 8 Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.	

## 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	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	89	88	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	97	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	78
6	94	86	82	78	92	86	81	78	84	80	77	83	79	77	82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	71	77	73	70	76	72	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64

LAMPS (number of lamps)

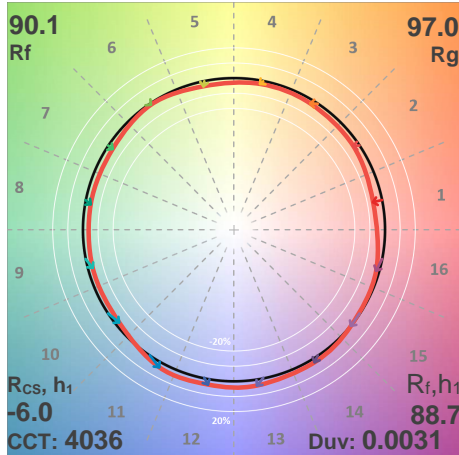
## Luminaire Budgetary Diagram



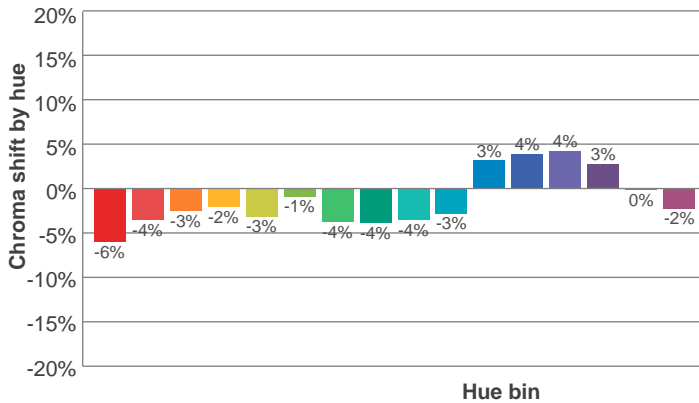
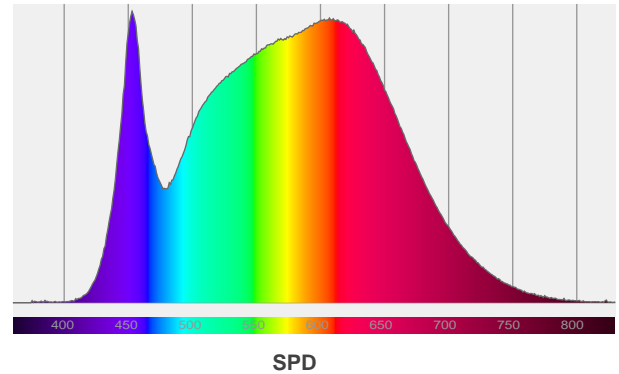
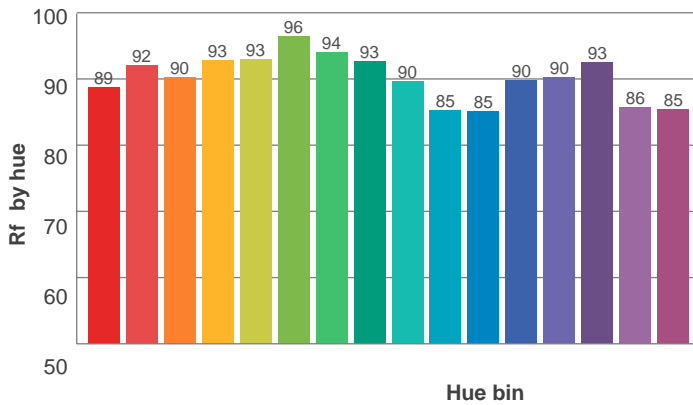
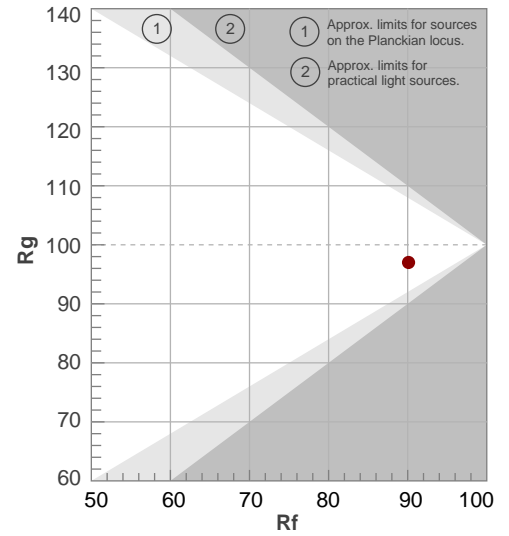
## Photometric Testing Report

ANSI/IES TM-30-18

P: 2 / V: - / F: 3



Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	89	-6%	0%
2	92	-4%	2%
3	90	-3%	4%
4	93	-2%	2%
5	93	-3%	1%
6	96	-1%	0%
7	94	-4%	0%
8	93	-4%	2%
9	90	-4%	7%
10	85	-3%	9%
11	85	3%	10%
12	90	4%	3%
13	90	4%	-5%
14	93	3%	-4%
15	86	0%	-10%
16	85	-2%	-8%



Red: 28.5%, Power=0.060W

Blue: 13.4%, Power=0.067W

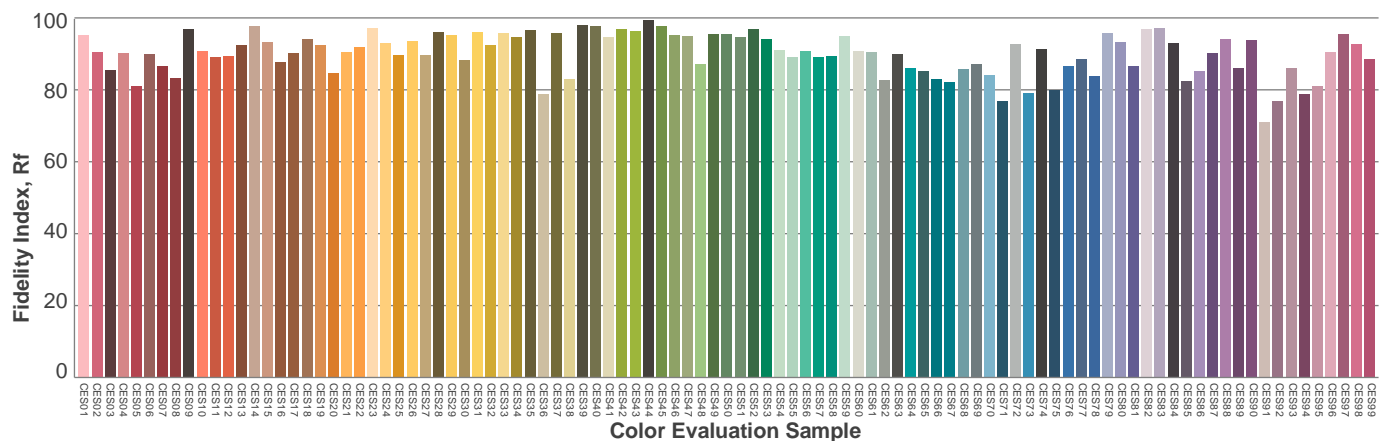
Green: 29.5%, Power=0.116W

UVA: 0%, Power=0.001W

Dominant Wavelength: 580nm

1<sup>st</sup> Peak Wavelength: 453nm

2<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	17.4	17.9	17.5	18.1	18.3	17.4	17.9	17.5	18.1	18.3
	3H	17.1	17.7	17.5	17.9	18.1	17.1	17.7	17.5	17.9	18.1
	4H	17.0	17.6	17.4	17.9	18.1	17.0	17.6	17.4	17.9	18.1
	6H	17.0	17.5	17.3	17.8	18.2	17.0	17.5	17.3	17.8	18.2
	8H	17.0	17.5	17.3	17.8	18.2	17.0	17.5	17.3	17.8	18.2
	12H	16.9	17.4	17.3	17.7	18.2	16.9	17.4	17.3	17.7	18.2
4H	2H	17.0	17.6	17.4	17.9	18.1	17.0	17.6	17.4	17.9	18.1
	3H	16.9	17.4	17.2	17.7	18.2	16.9	17.4	17.2	17.7	18.2
	4H	16.8	17.2	17.2	17.6	18.1	16.8	17.2	17.2	17.6	18.1
	6H	16.7	17.2	17.2	17.5	17.9	16.7	17.2	17.2	17.5	17.9
	8H	16.6	17.1	17.1	17.4	17.8	16.6	17.1	17.1	17.4	17.8
	12H	16.6	16.9	17.1	17.3	17.8	16.6	16.9	17.1	17.3	17.8
8H	4H	16.6	17.1	17.1	17.4	17.8	16.6	17.1	17.1	17.4	17.8
	6H	16.6	16.8	17.1	17.3	17.8	16.6	16.8	17.1	17.3	17.8
	8H	16.6	16.8	17.1	17.3	17.9	16.6	16.8	17.1	17.3	17.9
	12H	16.5	16.7	17.1	17.2	17.8	16.5	16.7	17.1	17.2	17.8
12H	4H	16.5	16.9	17.1	17.3	17.8	16.5	16.9	17.1	17.3	17.8
	6H	16.6	16.8	17.1	17.3	17.9	16.6	16.8	17.1	17.3	17.9
	8H	16.5	16.7	17.1	17.2	17.8	16.5	16.7	17.1	17.2	17.8
Variation of the observer position for the luminaire distance S											
S = 1.0H		6.3 / -13.2					6.3 / -13.2				
S = 1.5H		9.1 / -15.1					9.1 / -15.1				
S = 2.0H		11.1 / -15.4					11.1 / -15.4				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 8659 lm total luminous flux											