

## Light efficiency:

**82 Lumen/Watt**

## Color temperature:

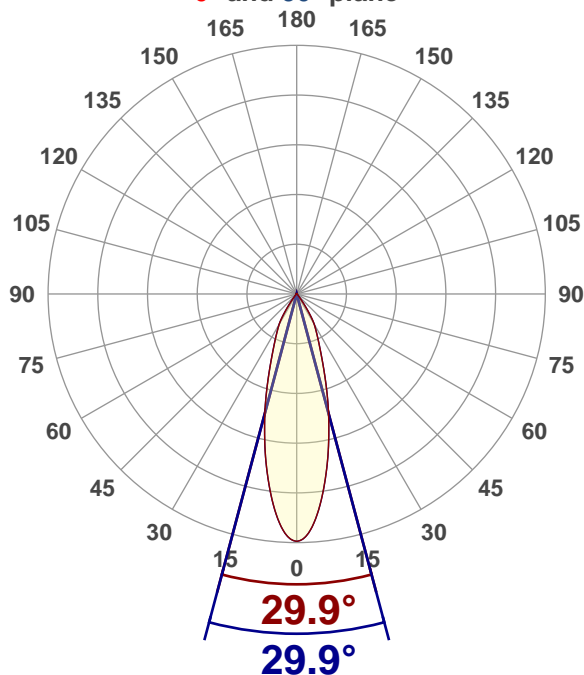
**4032 K**

## Light quality:

**CRI:90.9, R<sub>g</sub>:90.1, R<sub>f</sub>:97.0****P: 2 / V: - / F: 3****Output: 8634 lm****Peak: 23757 cd****Power: 105.2 W****Voltage: 121 V****Current: 0.876 A****PF: 1.0****THD: 9.86 %**

## Angular Distribution

0° and 90° plane



Product name:

**GEN06-9040-NSxxxx**

Test Date:

**2020-09-29**

Beam Angle (50% of the brightness of the centre):  
**29.9°**

Field Angle (10% of the brightness of the centre):  
**65.2°**

Cut Off Angle (2.5% of the brightness of the centre):  
**76.7°**

## Beam Details

\*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	15982 lx	1485 fc	2.1 ft / 0.7 m
8 ft / 2.4 m	3996 lx	371 fc	4.3 ft / 1.3 m
12 ft / 3.7 m	1776 lx	165 fc	6.4 ft / 2 m
16 ft / 4.9 m	999 lx	93 fc	8.5 ft / 2.6 m
20 ft / 6.1 m	639 lx	59 fc	10.7 ft / 3.3 m

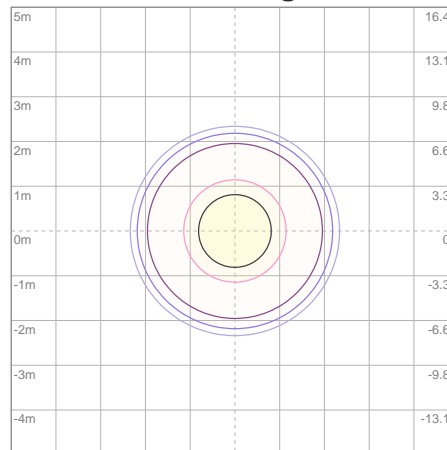
Beam center

# Photometric Testing Report

## Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	7428	86.03%
0-40	8393	97.21%
0-60	8577	99.34%
60-90	15.0	0.17%
70-100	11.6	0.13%
90-120	10.7	0.12%
0-90	8592	99.51%
90-180	42.0	0.49%
0-180	8634	100.00%

## ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

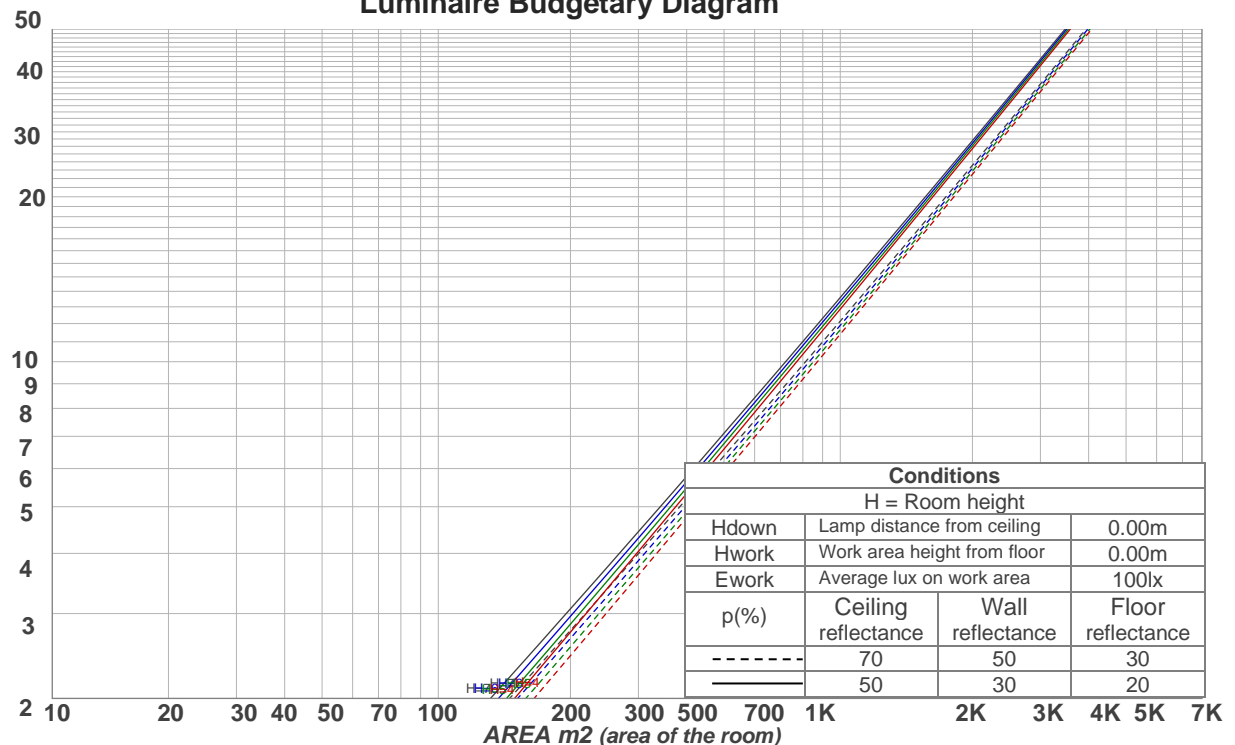
Lux at center:	2554 lx
3%	76.62 lx
5%	127.70 lx
10%	255.40 lx
30%	766.20 lx
50%	1277.00 lx
<b>Conditions:</b> Number of planes: 8 Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.	

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

LAMPS (number of lamps)

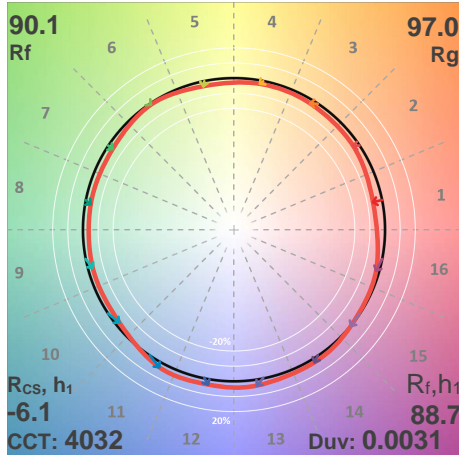
## Luminaire Budgetary Diagram



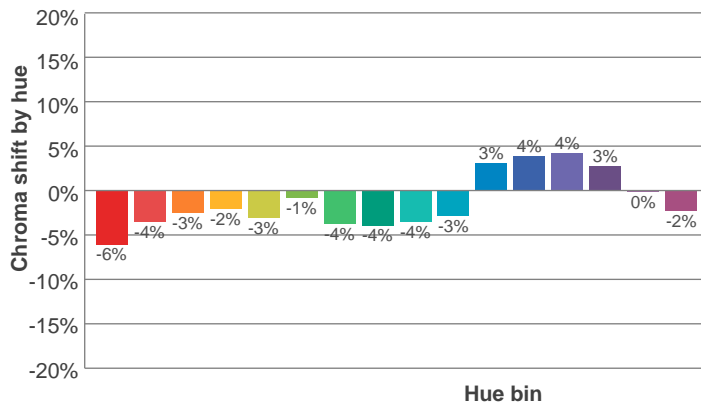
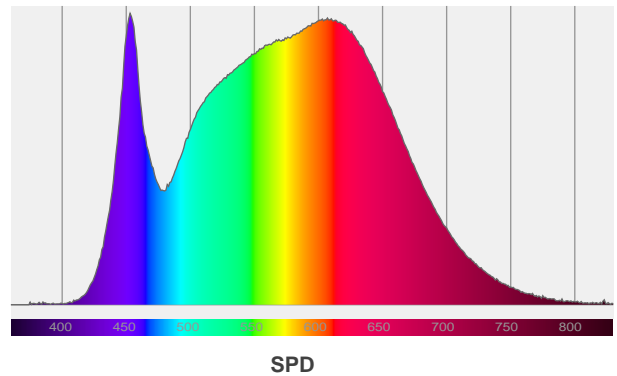
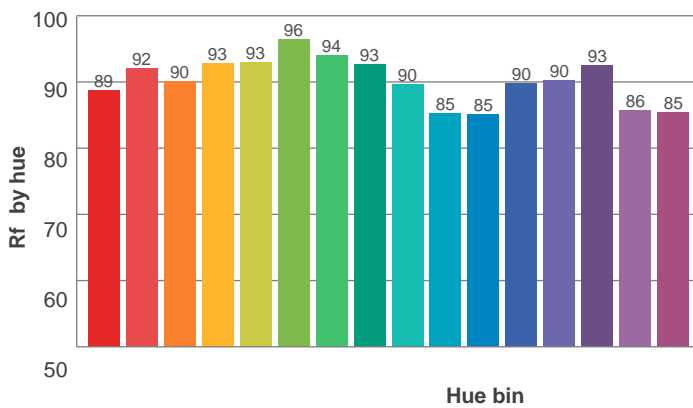
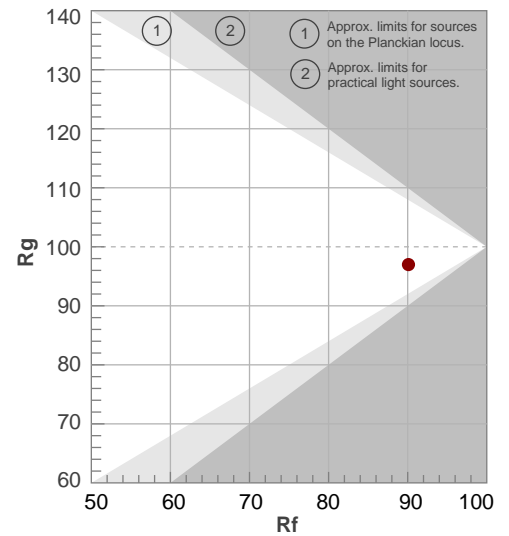
## Photometric Testing Report

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%



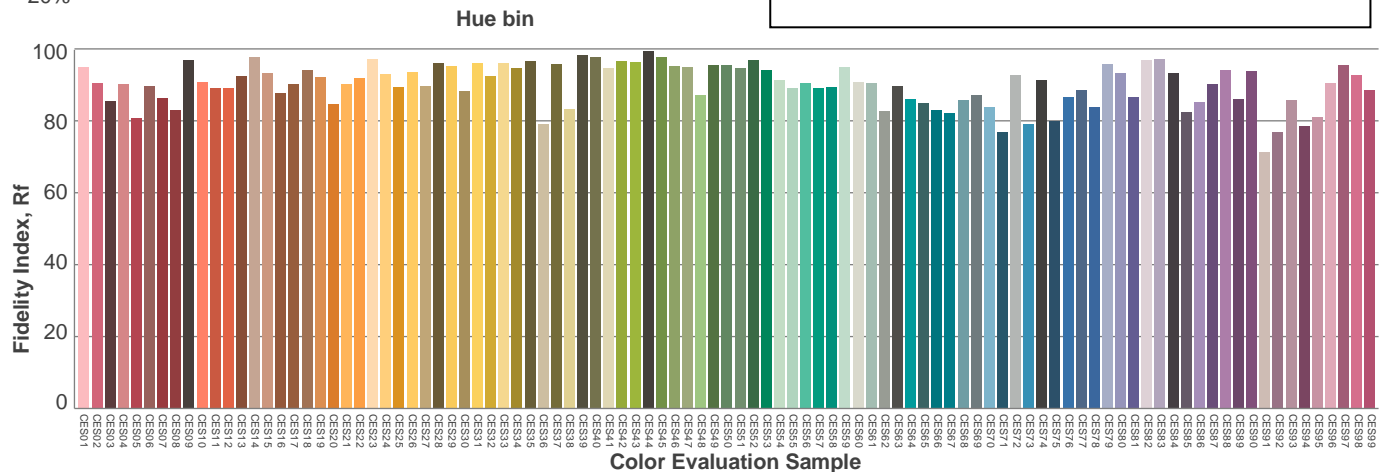
Red: 28.5%, Power=0.060W

Blue: 13.3%, Power=0.067W

Green: 29.4%, Power=0.116W

UVA: 0.1%, Power=0.001W

Dominant Wavelength: 580nm

1<sup>st</sup> Peak Wavelength: 453nm2<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	17.3	17.8	17.4	18.0	18.2	17.3	17.8	17.4	18.0	18.2
	3H	17.0	17.7	17.4	17.9	18.1	17.0	17.7	17.4	17.9	18.1
	4H	16.9	17.6	17.3	17.8	18.0	16.9	17.6	17.3	17.8	18.0
	6H	16.9	17.4	17.2	17.8	18.1	16.9	17.4	17.2	17.8	18.1
	8H	16.9	17.4	17.2	17.7	18.1	16.9	17.4	17.2	17.7	18.1
	12H	16.8	17.3	17.2	17.7	18.1	16.8	17.3	17.2	17.7	18.1
4H	2H	16.9	17.6	17.3	17.8	18.0	16.9	17.6	17.3	17.8	18.0
	3H	16.8	17.3	17.2	17.7	18.1	16.8	17.3	17.2	17.7	18.1
	4H	16.7	17.1	17.1	17.6	18.1	16.7	17.1	17.1	17.6	18.1
	6H	16.6	17.1	17.1	17.4	17.8	16.6	17.1	17.1	17.4	17.8
	8H	16.6	17.0	17.1	17.4	17.7	16.6	17.0	17.1	17.4	17.7
	12H	16.5	16.9	17.0	17.3	17.7	16.5	16.9	17.0	17.3	17.7
8H	4H	16.5	17.0	17.1	17.3	17.7	16.5	17.0	17.1	17.3	17.7
	6H	16.5	16.8	17.0	17.2	17.8	16.5	16.8	17.0	17.2	17.8
	8H	16.5	16.7	17.0	17.2	17.9	16.5	16.7	17.0	17.2	17.9
	12H	16.4	16.6	17.0	17.1	17.8	16.4	16.6	17.0	17.1	17.8
12H	4H	16.5	16.8	17.0	17.2	17.7	16.5	16.8	17.0	17.2	17.7
	6H	16.5	16.7	17.0	17.2	17.9	16.5	16.7	17.0	17.2	17.9
	8H	16.4	16.6	17.0	17.1	17.7	16.4	16.6	17.0	17.1	17.7
Variation of the observer position for the luminaire distance S											
S = 1.0H		6.2 / -11.3					6.2 / -11.3				
S = 1.5H		9.0 / -13.0					9.0 / -13.0				
S = 2.0H		11.0 / -13.4					11.0 / -13.4				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 8634 lm total luminous flux											