

## Light efficiency:

**83 Lumen/Watt**

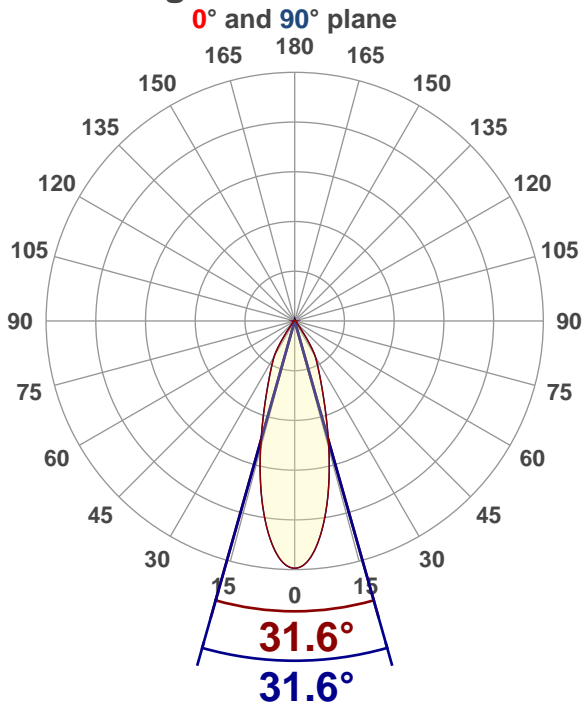
## Color temperature:

**4027 K**

## Light quality:

**CRI:90.9, R<sub>g</sub>:90.1, R<sub>f</sub>:97.0****P: 2 / V: - / F: 3****Output: 8658 lm****Peak: 20491 cd****Power: 104.9 W****Voltage: 119 V****Current: 0.884 A****PF: 1.0****THD: 9.95 %**

## Angular Distribution



Product name:

**GEN06-9040-NWHxxx**

Test Date:

**2020-09-22**

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

**31.6°**

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

**67.1°**

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

**80.2°**

## Beam Details

\*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	13785 lx	1281 fc	2.3 ft / 0.7 m
8 ft / 2.4 m	3446 lx	320 fc	4.5 ft / 1.4 m
12 ft / 3.7 m	1532 lx	142 fc	6.8 ft / 2.1 m
16 ft / 4.9 m	862 lx	80 fc	9.1 ft / 2.8 m
20 ft / 6.1 m	551 lx	51 fc	11.3 ft / 3.4 m

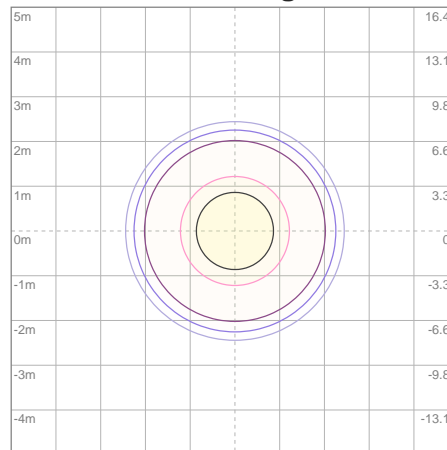
Beam center

# Photometric Testing Report

## Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	6958	80.36%
0-40	7973	92.09%
0-60	8390	96.90%
60-90	229	2.64%
70-100	113	1.31%
90-120	9.53	0.11%
0-90	8619	99.55%
90-180	39.2	0.45%
0-180	8658	100.00%

## ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

Lux at center:	2203 lx
3%	66.09 lx
5%	110.15 lx
10%	220.30 lx
30%	660.90 lx
50%	1101.50 lx

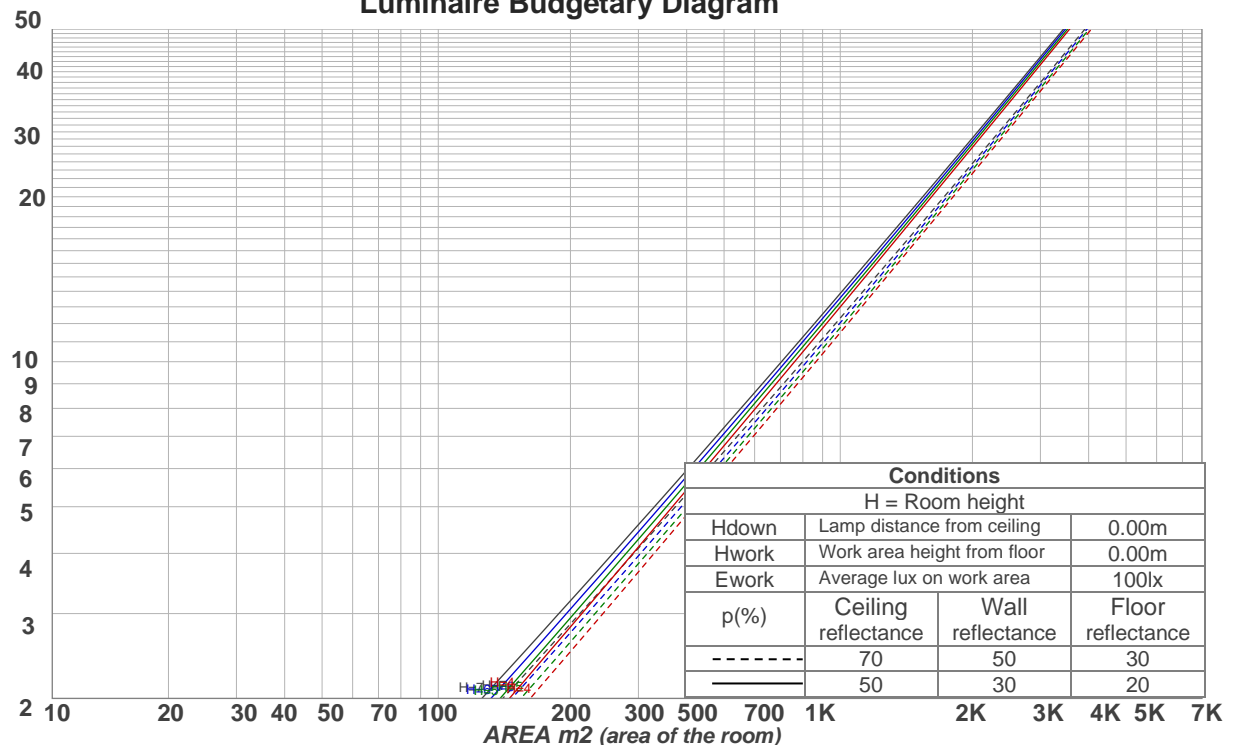
**Conditions:**  
 Number of planes: 8  
 Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

## 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	111	108	106	111	109	107	105	105	103	101	101	99	98	97	96	95	93
2	108	104	100	97	106	102	99	96	99	96	93	96	93	91	93	91	89	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78
5	95	87	82	78	93	86	81	78	84	80	77	83	79	76	81	78	75	74
6	91	83	77	74	89	82	77	73	81	76	73	79	75	72	78	74	72	70
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67
8	84	75	70	66	83	75	70	66	74	69	66	73	68	65	72	68	65	64
9	81	72	67	63	80	71	66	63	71	66	63	70	66	63	69	65	62	61
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	62	60	59

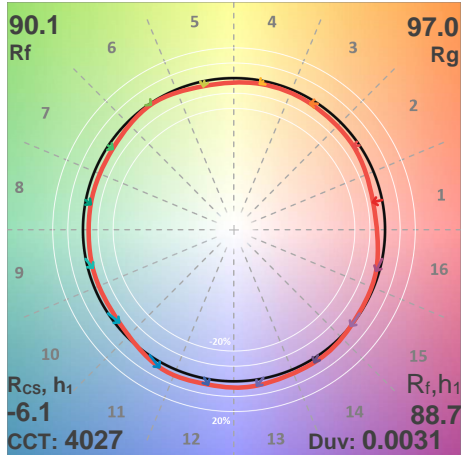
LAMPS (number of lamps)

## Luminaire Budgetary Diagram

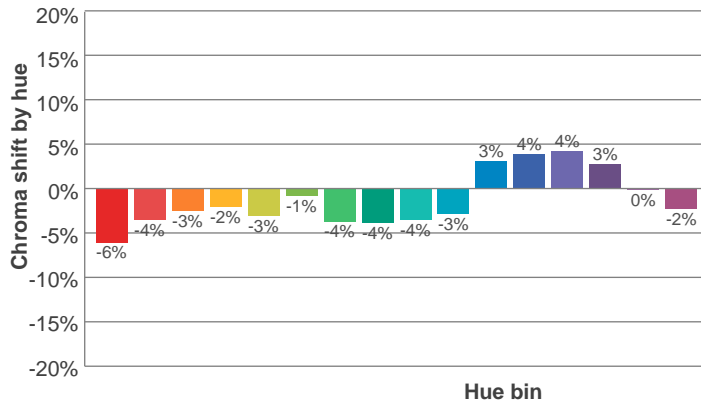
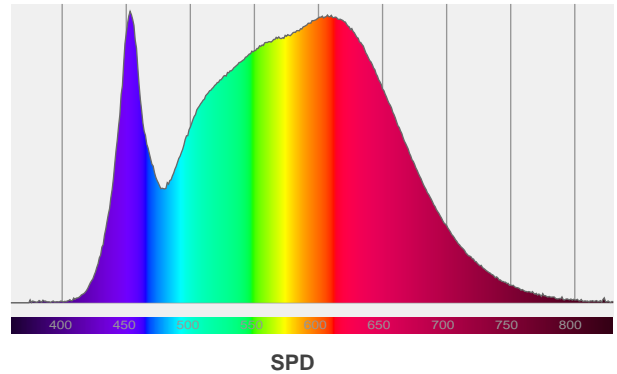
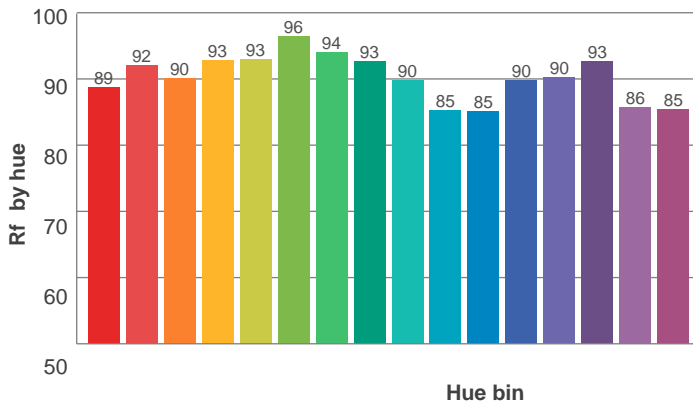
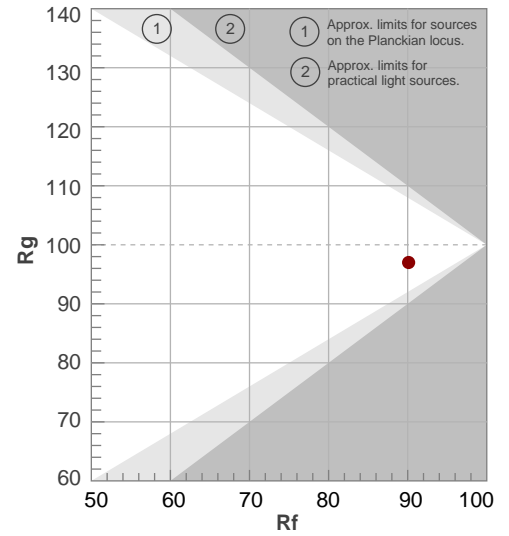


ANSI/IES TM-30-18

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%



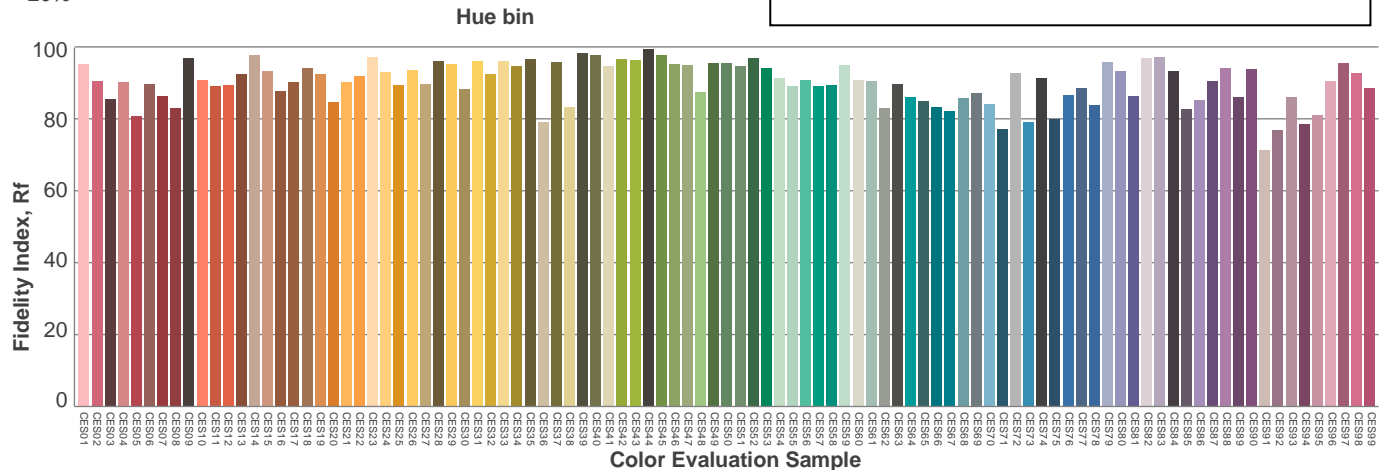
Red: 28.5%, Power=0.060W

Blue: 13.3%, Power=0.067W

Green: 29.4%, Power=0.117W

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	18.9	19.5	19.0	19.7	19.9	18.9	19.5	19.0	19.7	19.9
	3H	19.3	20.0	19.7	20.2	20.4	19.3	20.0	19.7	20.2	20.4
	4H	19.7	20.4	20.1	20.6	20.9	19.7	20.4	20.1	20.6	20.9
	6H	20.1	20.7	20.4	21.0	21.4	20.1	20.7	20.4	21.0	21.4
	8H	20.3	20.8	20.6	21.2	21.5	20.3	20.8	20.6	21.2	21.5
	12H	20.3	20.9	20.7	21.2	21.7	20.3	20.9	20.7	21.2	21.7
4H	2H	18.9	19.6	19.3	19.8	20.0	18.9	19.6	19.3	19.8	20.0
	3H	19.7	20.3	20.1	20.6	21.0	19.7	20.3	20.1	20.6	21.0
	4H	20.2	20.7	20.6	21.1	21.6	20.2	20.7	20.6	21.1	21.6
	6H	20.7	21.3	21.2	21.6	22.0	20.7	21.3	21.2	21.6	22.0
	8H	20.9	21.4	21.4	21.8	22.1	20.9	21.4	21.4	21.8	22.1
	12H	21.1	21.4	21.6	21.9	22.3	21.1	21.4	21.6	21.9	22.3
8H	4H	20.4	20.9	20.9	21.2	21.6	20.4	20.9	20.9	21.2	21.6
	6H	21.1	21.4	21.6	21.9	22.4	21.1	21.4	21.6	21.9	22.4
	8H	21.4	21.7	22.0	22.2	22.9	21.4	21.7	22.0	22.2	22.9
	12H	21.6	21.9	22.2	22.4	23.0	21.6	21.9	22.2	22.4	23.0
12H	4H	20.4	20.8	20.9	21.2	21.6	20.4	20.8	20.9	21.2	21.6
	6H	21.2	21.4	21.7	22.0	22.6	21.2	21.4	21.7	22.0	22.6
	8H	21.5	21.7	22.1	22.2	22.9	21.5	21.7	22.1	22.2	22.9
Variation of the observer position for the luminaire distance S											
S = 1.0H		2.6 / -0.9					2.6 / -0.9				
S = 1.5H		4.6 / -1.1					4.6 / -1.1				
S = 2.0H		6.2 / -1.3					6.2 / -1.3				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 8658 lm total luminous flux											

Due to our continued efforts to improve our products, product specifications are subject to change without notice. Please refer to our website for the latest test results.