

## Light efficiency:

**79 Lumen/Watt**

## Color temperature:

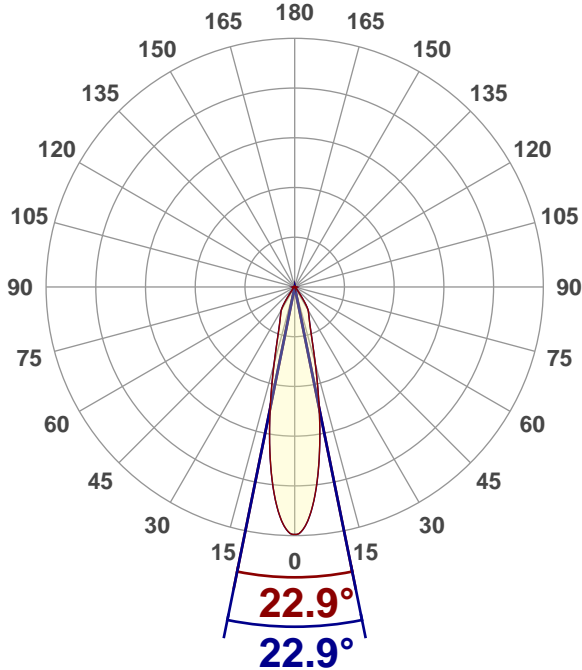
**4058 K**

## Light quality:

**CRI:90.7, R<sub>g</sub>:90.9, R<sub>f</sub>:98.2****P: 2 / V: - / F: 3****Output: 4523 lm****Peak: 15770 cd****Power: 57.1 W****Voltage: 121 V****Current: 0.471 A****PF: 1.0****THD: 5.52 %**

## Angular Distribution

0° and 90° plane



Product name:

**GEN06-4040-NWHxxx**

Test Date:

**2020-10-06**

Beam Angle (50% of the brightness of the centre):  
**22.9°**

Field Angle (10% of the brightness of the centre):  
**62°**

Cut Off Angle (2.5% of the brightness of the centre):  
**75.1°**

## Beam Details

\*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	10609 lx	986 fc	1.6 ft / 0.5 m
8 ft / 2.4 m	2652 lx	246 fc	3.2 ft / 1 m
12 ft / 3.7 m	1179 lx	110 fc	4.9 ft / 1.5 m
16 ft / 4.9 m	663 lx	62 fc	6.5 ft / 2 m
20 ft / 6.1 m	424 lx	39 fc	8.1 ft / 2.5 m

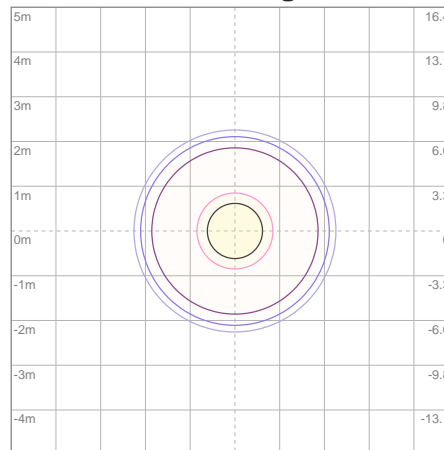
Beam center

# Photometric Testing Report

## Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	3632	80.30%
0-40	4141	91.55%
0-60	4368	96.57%
60-90	129	2.85%
70-100	65.0	1.44%
90-120	9.06	0.20%
0-90	4496	99.40%
90-180	26.7	0.59%
0-180	4523	100.00%

## ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

Lux at center:	1695 lx
3%	50.85 lx
5%	84.75 lx
10%	169.50 lx
30%	508.50 lx
50%	847.50 lx

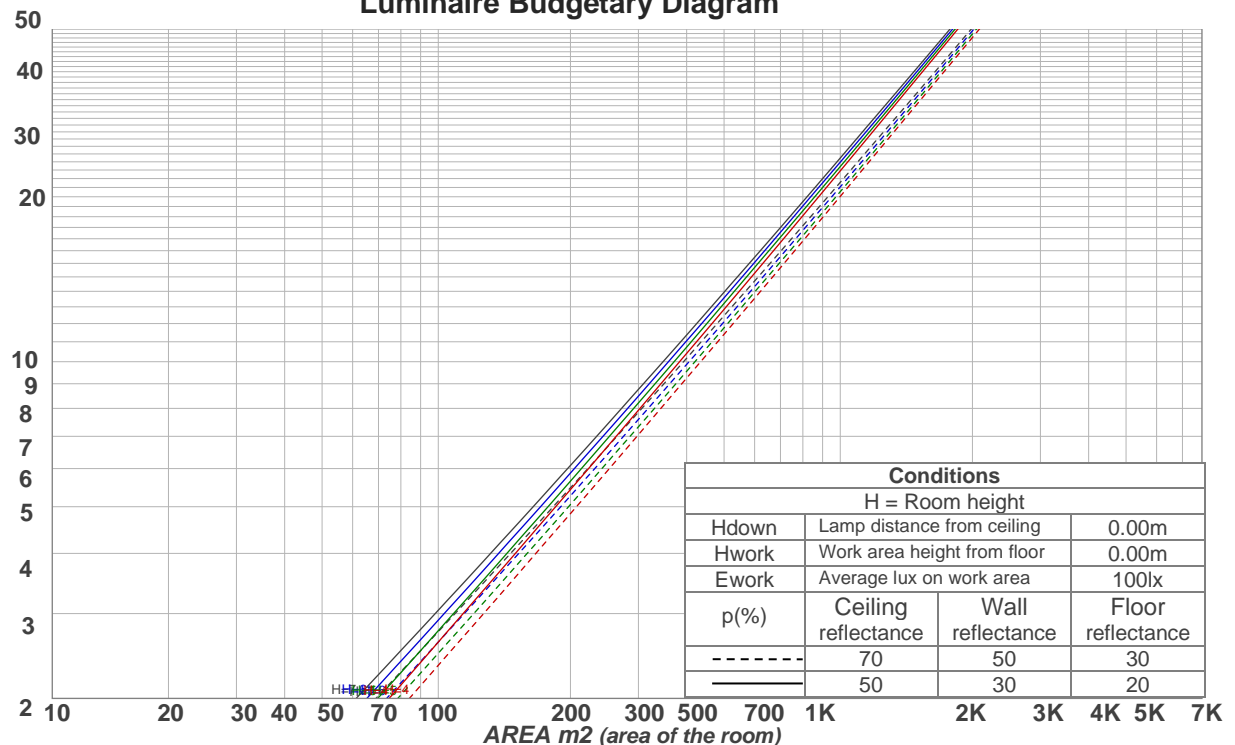
**Conditions:**  
Number of planes: 8  
Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

## 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	101	101	101	99
1	114	111	109	107	111	109	107	105	105	103	101	101	100	98	97	96	95	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	89	87	85	83
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	96	88	83	79	94	87	83	79	86	81	78	84	80	78	82	79	77	75
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	72	87	80	75	71	79	74	71	77	73	71	76	73	70	69
8	85	77	72	68	84	77	72	68	75	71	68	74	70	68	73	70	67	66
9	82	74	69	66	81	74	69	65	73	68	65	72	68	65	71	67	65	64
10	79	71	66	63	79	71	66	63	70	66	63	69	65	62	69	65	62	61

LAMPS (number of lamps)

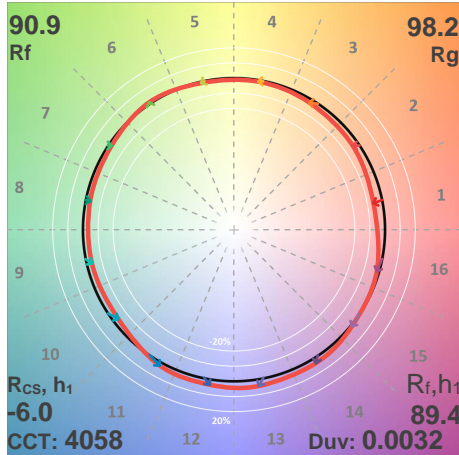
## Luminaire Budgetary Diagram



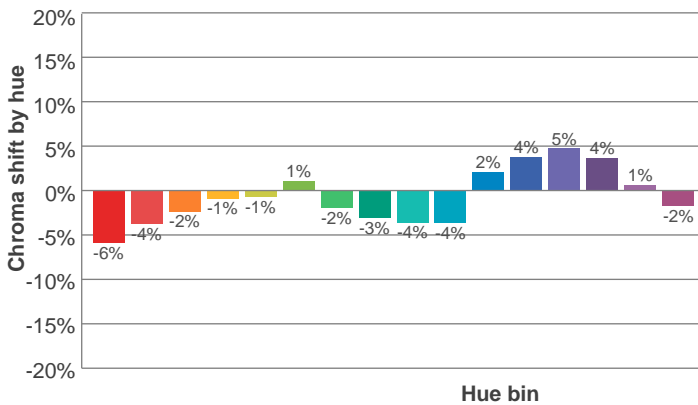
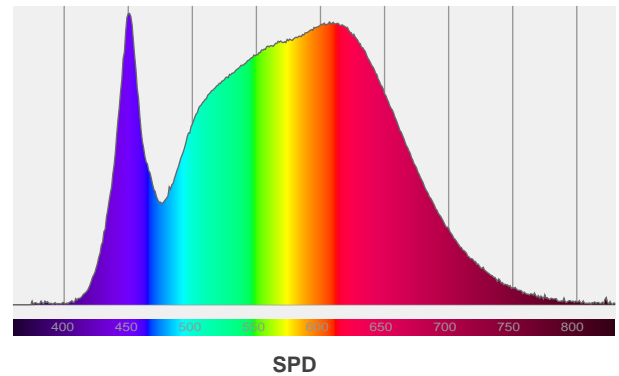
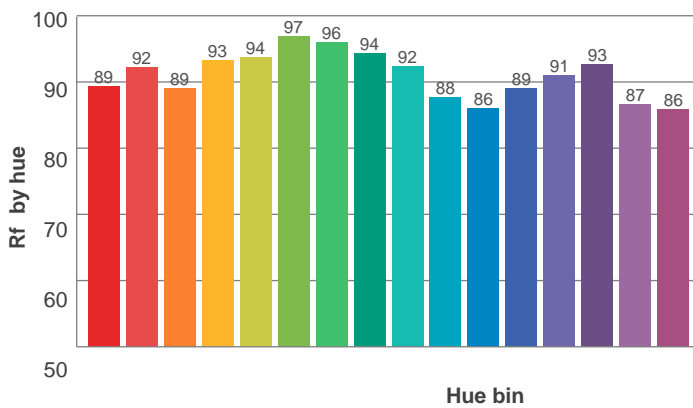
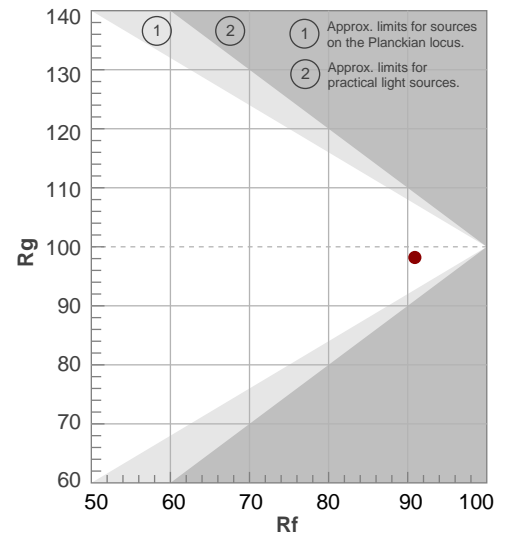
## Photometric Testing Report

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	93	4%	-4%
15	87	1%	-10%
16	86	-2%	-9%



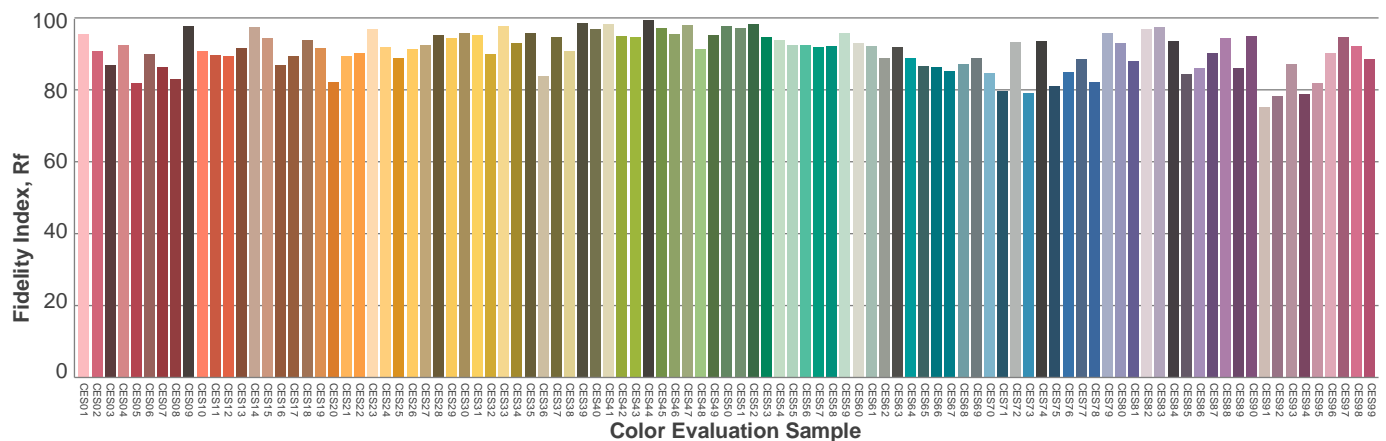
Red: 28.3%, Power=31.1mW

Blue: 12.2%, Power=29.3mW

Green: 29.7%, Power=61.0mW

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	16.7	17.2	16.8	17.5	17.7	16.7	17.2	16.8	17.5	17.7
	3H	17.2	17.9	17.6	18.1	18.3	17.2	17.9	17.6	18.1	18.3
	4H	17.6	18.3	18.0	18.5	18.8	17.6	18.3	18.0	18.5	18.8
	6H	18.1	18.6	18.4	19.0	19.3	18.1	18.6	18.4	19.0	19.3
	8H	18.2	18.8	18.6	19.1	19.5	18.2	18.8	18.6	19.1	19.5
	12H	18.3	18.8	18.7	19.2	19.6	18.3	18.8	18.7	19.2	19.6
4H	2H	16.7	17.4	17.1	17.6	17.8	16.7	17.4	17.1	17.6	17.8
	3H	17.6	18.2	18.0	18.5	19.0	17.6	18.2	18.0	18.5	19.0
	4H	18.2	18.7	18.6	19.1	19.6	18.2	18.7	18.6	19.1	19.6
	6H	18.7	19.3	19.2	19.6	20.0	18.7	19.3	19.2	19.6	20.0
	8H	19.0	19.4	19.5	19.8	20.2	19.0	19.4	19.5	19.8	20.2
	12H	19.1	19.5	19.6	19.9	20.4	19.1	19.5	19.6	19.9	20.4
8H	4H	18.4	18.9	18.9	19.2	19.6	18.4	18.9	18.9	19.2	19.6
	6H	19.1	19.5	19.6	19.9	20.5	19.1	19.5	19.6	19.9	20.5
	8H	19.5	19.7	20.0	20.3	20.9	19.5	19.7	20.0	20.3	20.9
	12H	19.7	19.9	20.3	20.4	21.0	19.7	19.9	20.3	20.4	21.0
12H	4H	18.4	18.8	18.9	19.2	19.6	18.4	18.8	18.9	19.2	19.6
	6H	19.2	19.5	19.8	20.0	20.7	19.2	19.5	19.8	20.0	20.7
	8H	19.6	19.8	20.2	20.3	20.9	19.6	19.8	20.2	20.3	20.9
Variation of the observer position for the luminaire distance S											
S = 1.0H		2.3 / -0.8					2.3 / -0.8				
S = 1.5H		4.3 / -0.9					4.3 / -0.9				
S = 2.0H		5.9 / -1.1					5.9 / -1.1				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 4523 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.