

## Light efficiency:

**83 Lumen/Watt**

## Color temperature:

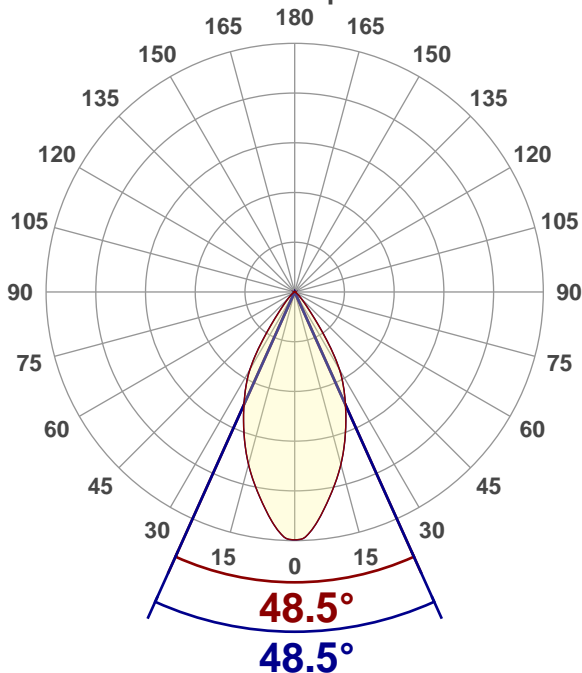
**4036 K**

## Light quality:

**CRI:91.0, R<sub>g</sub>:90.3, R<sub>f</sub>:97.2****P: 2 / V: - / F: 3****Output: 8812 lm****Peak: 13136 cd****Power: 105.9 W****Voltage: 120 V****Current: 0.891 A****PF: 0.99****THD: 10.35 %**

## Angular Distribution

0° and 90° plane



Product name:

**GEN06-9040-WHCxxx**

Test Date:

**2020-10-01**

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

**48.5°**

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

**76.8°**

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

**95.9°**

## Beam Details

\*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	8837 lx	821 fc	3.6 ft / 1.1 m
8 ft / 2.4 m	2209 lx	205 fc	7.2 ft / 2.2 m
12 ft / 3.7 m	982 lx	91 fc	10.8 ft / 3.3 m
16 ft / 4.9 m	552 lx	51 fc	14.4 ft / 4.4 m
20 ft / 6.1 m	353 lx	33 fc	18 ft / 5.5 m

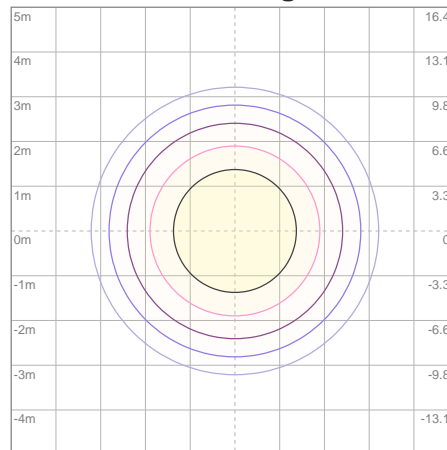
Beam center

# Photometric Testing Report

## Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	6662	75.60%
0-40	8242	93.53%
0-60	8752	99.32%
60-90	16.1	0.18%
70-100	11.9	0.14%
90-120	13.0	0.15%
0-90	8768	99.50%
90-180	43.6	0.49%
0-180	8812	100.00%

## ISO Lux Diagram



Lux at center:	1412 lx
3%	42.36 lx
5%	70.60 lx
10%	141.20 lx
30%	423.60 lx
50%	706.00 lx

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

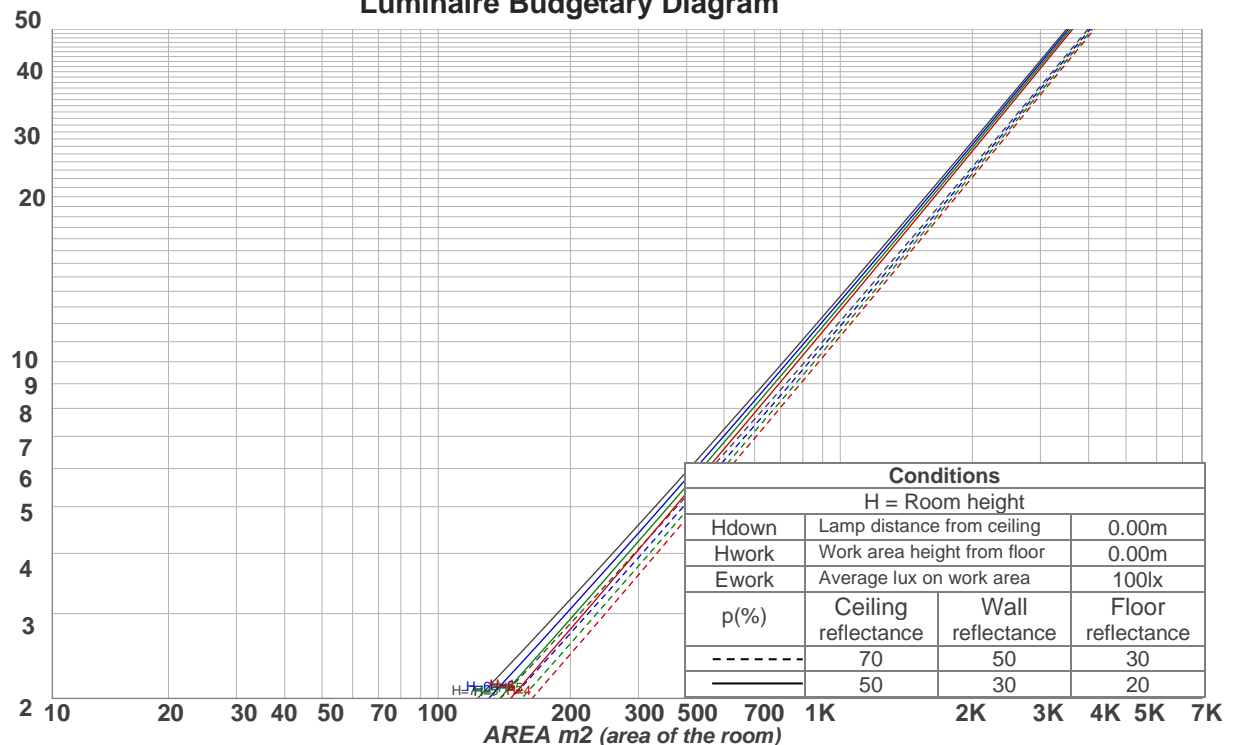
Mounting height: 3.05 meters (10 feet)

## 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	100
1	114	111	109	106	111	109	107	105	105	103	101	101	99	98	97	96	95	94
2	108	104	100	96	106	102	98	95	99	96	93	95	93	91	93	91	89	87
3	103	97	92	88	101	95	91	88	93	89	86	90	87	85	88	86	83	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	67
7	85	76	70	66	84	75	70	66	74	69	66	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	59	76	68	62	59	67	62	58	66	61	58	65	61	58	57
10	74	65	59	55	73	64	59	55	63	59	55	63	58	55	62	58	55	54

LAMPS (number of lamps)

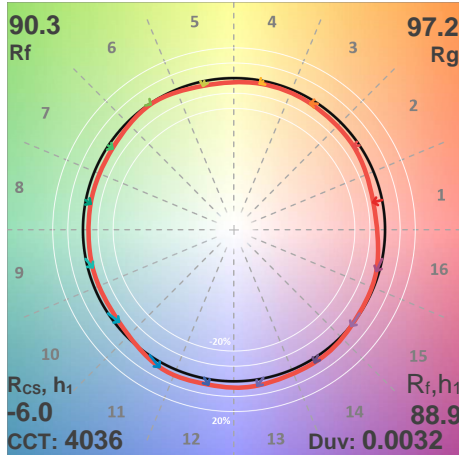
## Luminaire Budgetary Diagram



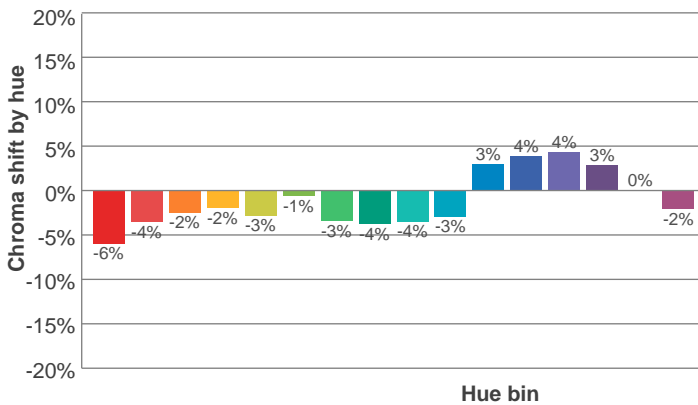
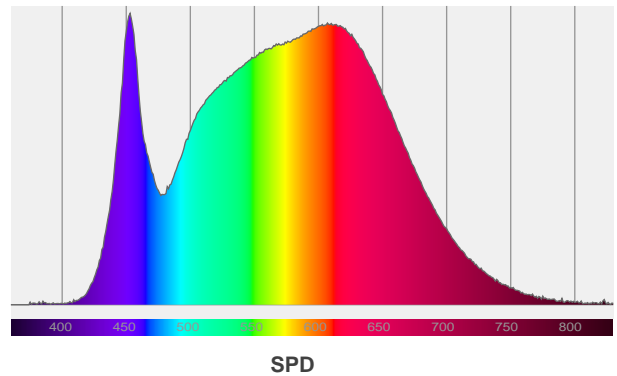
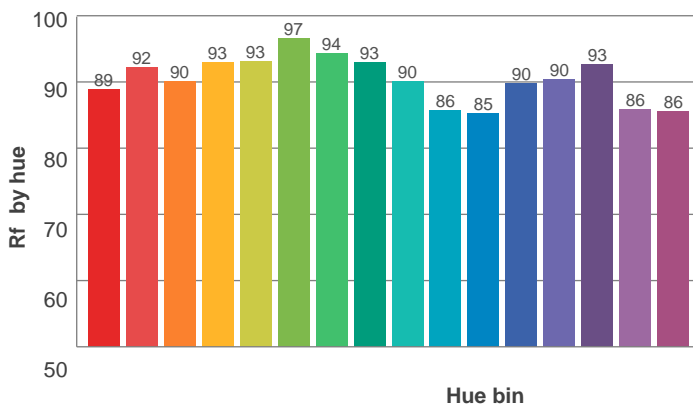
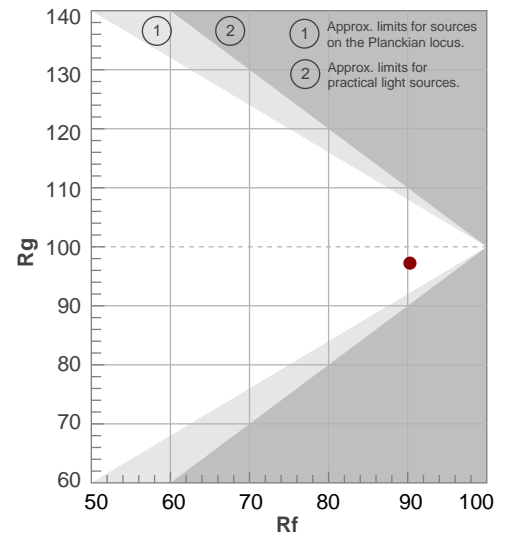
## Photometric Testing Report

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	-2%	4%
4	93	-2%	2%
5	93	-3%	1%
6	97	-1%	0%
7	94	-3%	0%
8	93	-4%	2%
9	90	-4%	6%
10	86	-3%	9%
11	85	3%	10%
12	90	4%	3%
13	90	4%	-5%
14	93	3%	-4%
15	86	0%	-10%
16	86	-2%	-8%



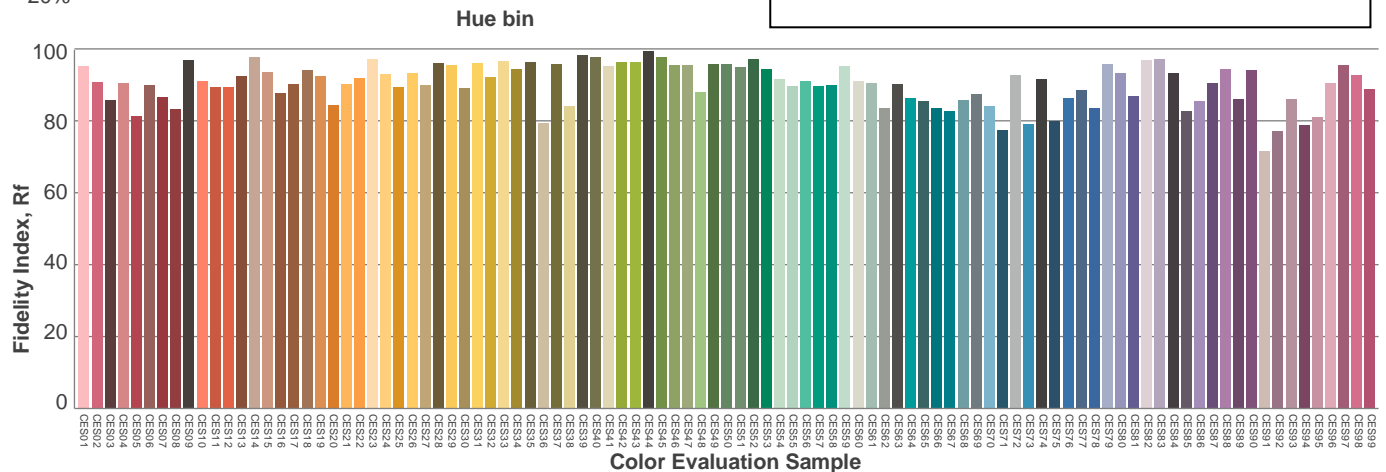
Red: 28.6%, Power=0.061W

Blue: 13.2%, Power=0.066W

Green: 29.5%, Power=0.119W

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	20.9	21.5	21.0	21.8	22.0	20.9	21.5	21.0	21.8	22.0
	3H	20.6	21.4	21.0	21.6	21.8	20.6	21.4	21.0	21.6	21.8
	4H	20.5	21.3	20.9	21.5	21.7	20.5	21.3	20.9	21.5	21.7
	6H	20.5	21.1	20.8	21.4	21.8	20.5	21.1	20.8	21.4	21.8
	8H	20.5	21.1	20.8	21.4	21.8	20.5	21.1	20.8	21.4	21.8
	12H	20.4	21.0	20.8	21.4	21.8	20.4	21.0	20.8	21.4	21.8
4H	2H	20.6	21.3	21.0	21.5	21.8	20.6	21.3	21.0	21.5	21.8
	3H	20.4	21.0	20.8	21.4	21.8	20.4	21.0	20.8	21.4	21.8
	4H	20.3	20.8	20.7	21.2	21.8	20.3	20.8	20.7	21.2	21.8
	6H	20.2	20.8	20.7	21.1	21.5	20.2	20.8	20.7	21.1	21.5
	8H	20.2	20.7	20.7	21.0	21.4	20.2	20.7	20.7	21.0	21.4
	12H	20.1	20.5	20.6	20.9	21.4	20.1	20.5	20.6	20.9	21.4
8H	4H	20.2	20.7	20.7	21.0	21.4	20.2	20.7	20.7	21.0	21.4
	6H	20.1	20.4	20.6	20.9	21.4	20.1	20.4	20.6	20.9	21.4
	8H	20.1	20.4	20.6	20.9	21.5	20.1	20.4	20.6	20.9	21.5
	12H	20.0	20.3	20.6	20.8	21.4	20.0	20.3	20.6	20.8	21.4
12H	4H	20.1	20.5	20.6	20.9	21.4	20.1	20.5	20.6	20.9	21.4
	6H	20.1	20.4	20.6	20.9	21.5	20.1	20.4	20.6	20.9	21.5
	8H	20.0	20.3	20.6	20.8	21.4	20.0	20.3	20.6	20.8	21.4
Variation of the observer position for the luminaire distance S											
S = 1.0H		5.5 / -10.2					5.5 / -10.2				
S = 1.5H		8.1 / -16.7					8.1 / -16.7				
S = 2.0H		10.1 / -17.2					10.1 / -17.2				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 8812 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.