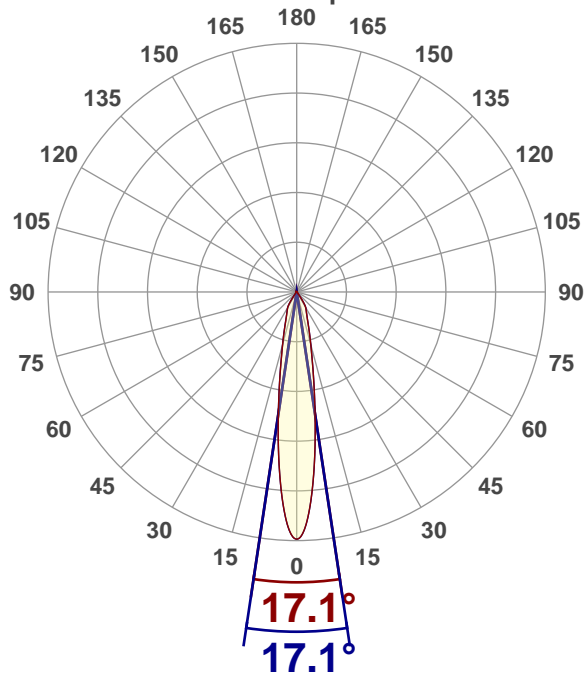


**Light efficiency:****80 Lumen/Watt****Color temperature:****4069 K****Light quality:****CRI:90.7, R<sub>g</sub>:90.9, R<sub>f</sub>:98.2****P: 2 / V: - / F: 3****Output: 4547 lm****Peak: 23398 cd****Power: 57.1 W****Voltage: 119 V****Current: 0.479 A****PF: 1.0****THD: 5.33 %****Angular Distribution****0° and 90° plane****Product name:****GEN06-4040-SSxxxx****Test Date:****2020-10-09****Beam Angle (50% of the brightness of the centre):****17.1°****Field Angle (10% of the brightness of the centre):****48°****Cut Off Angle (2.5% of the brightness of the centre):****71.1°****Beam Details****\*measured at centre of beam**

<b>Mounting Height (feet)/(meter)</b>	<b>Lux*</b>	<b>Footcandles*</b>	<b>Beam width (feet) / (meter)</b>
4 ft / 1.2 m	15741 lx	1462 fc	1.2 ft / 0.4 m
8 ft / 2.4 m	3935 lx	366 fc	2.4 ft / 0.7 m
12 ft / 3.7 m	1749 lx	162 fc	3.6 ft / 1.1 m
16 ft / 4.9 m	984 lx	91 fc	4.8 ft / 1.5 m
20 ft / 6.1 m	630 lx	58 fc	6 ft / 1.8 m

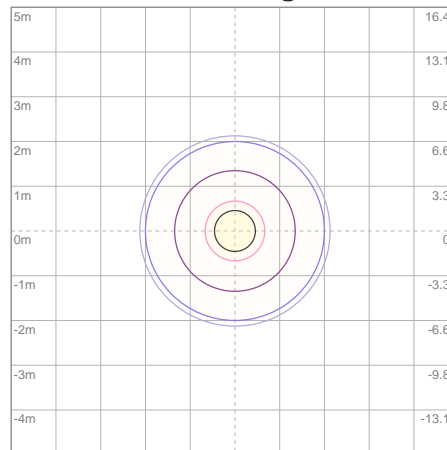
**Beam center**

# Photometric Testing Report

## Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	3936	86.56%
0-40	4427	97.36%
0-60	4512	99.23%
60-90	10.1	0.22%
70-100	8.92	0.20%
90-120	8.13	0.18%
0-90	4522	99.45%
90-180	25.6	0.56%
0-180	4547	100.00%

## ISO Lux Diagram



Lux at center:	2515 lx
3%	75.45 lx
5%	125.75 lx
10%	251.50 lx
30%	754.50 lx
50%	1257.50 lx

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

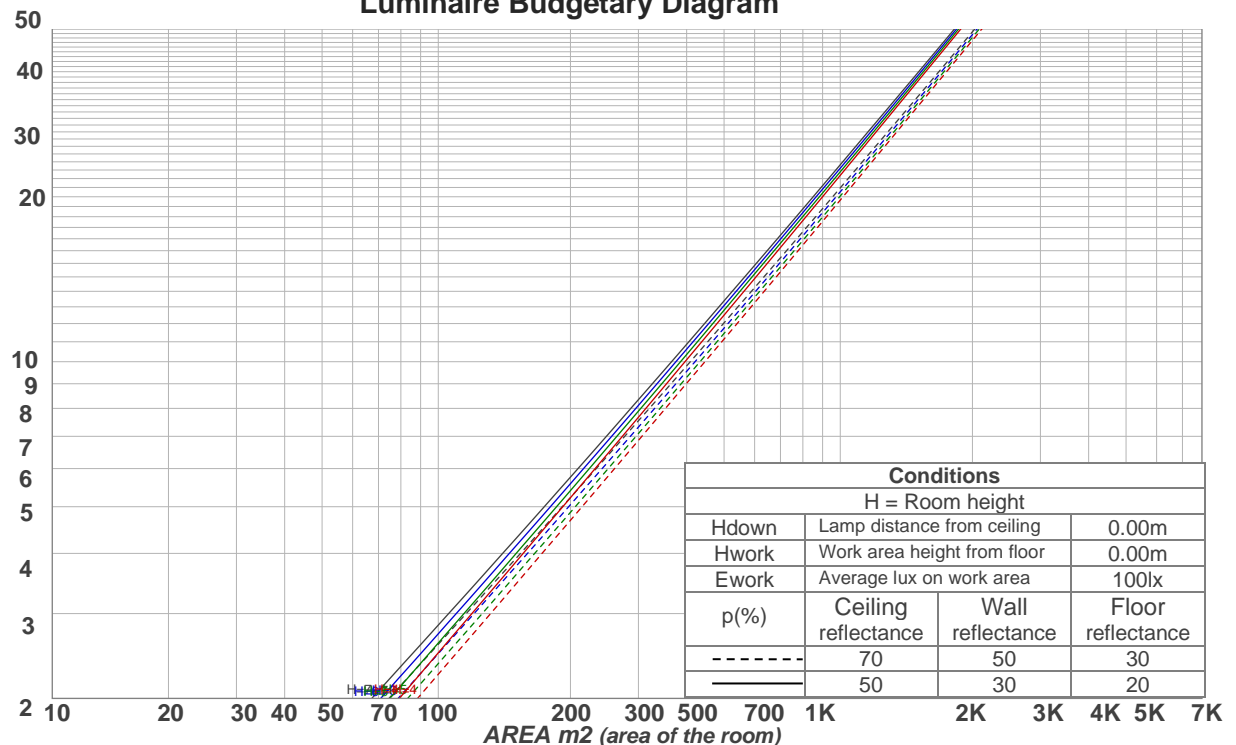
Mounting height: 3.05 meters (10 feet)

## 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	99
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	95	94	93	91
3	106	101	97	94	104	100	96	93	97	94	91	95	92	90	92	90	89	87
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84
5	99	92	87	84	97	91	87	84	89	86	83	88	85	82	86	84	81	80
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	80	78	77
7	92	85	80	77	91	84	80	77	83	79	76	82	78	76	81	78	75	74
8	89	82	77	74	88	81	77	74	80	76	73	79	75	73	78	75	73	71
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69
10	83	76	71	68	83	76	71	68	75	71	68	74	71	68	73	70	68	67

LAMPS (number of lamps)

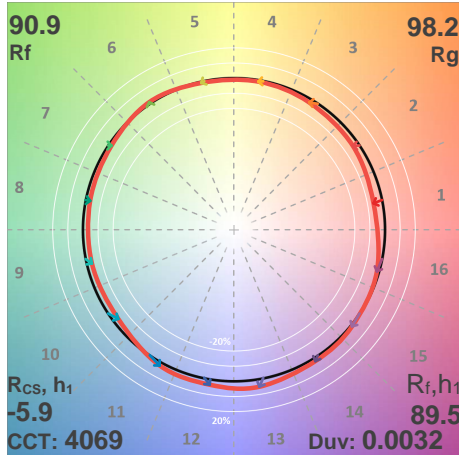
## Luminaire Budgetary Diagram



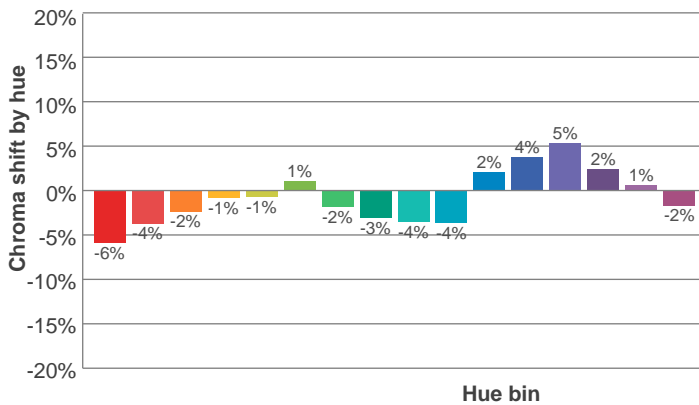
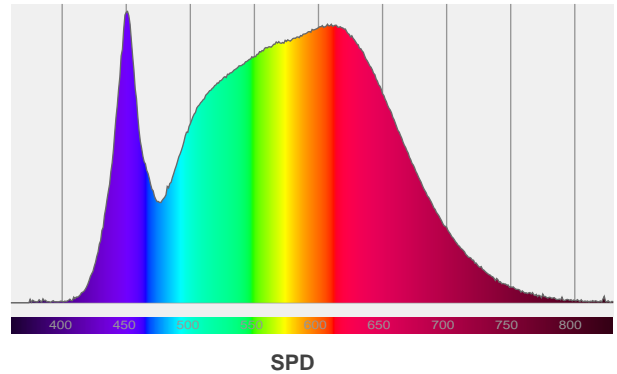
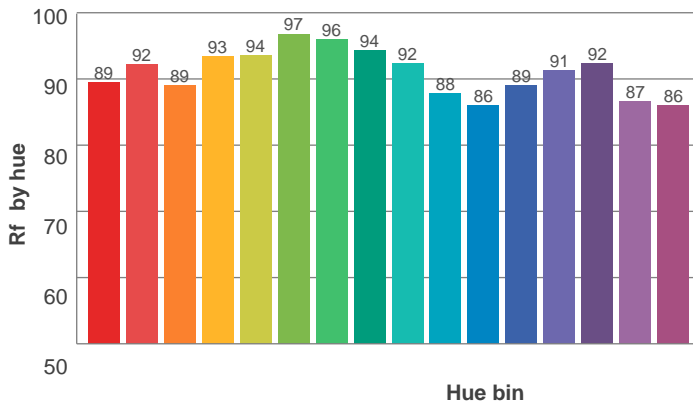
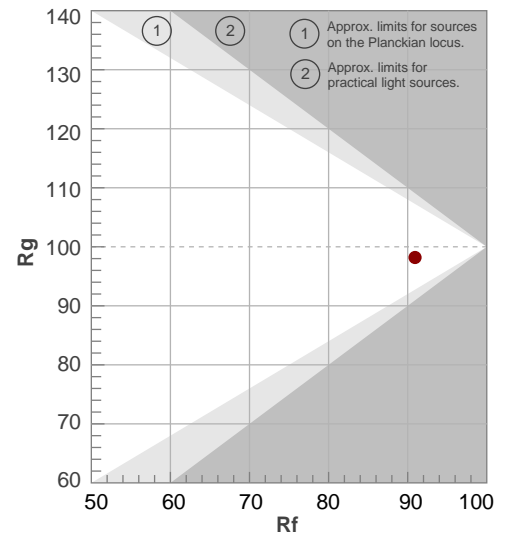
## Photometric Testing Report

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	92	2%	-3%
15	87	1%	-10%
16	86	-2%	-9%



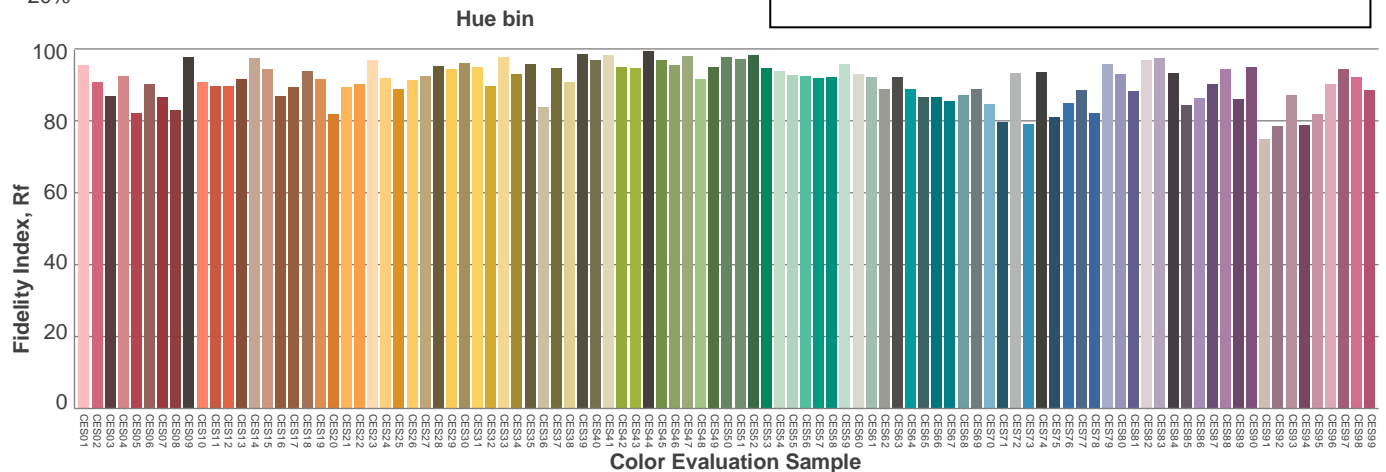
Red: 28.3%, Power=31.2mW

Blue: 12.2%, Power=29.4mW

Green: 29.7%, Power=61.4mW

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	15.0	15.4	15.1	15.6	15.8	15.0	15.4	15.1	15.6	15.8
	3H	14.7	15.3	15.0	15.5	15.7	14.7	15.3	15.0	15.5	15.7
	4H	14.6	15.2	15.0	15.4	15.7	14.6	15.2	15.0	15.4	15.7
	6H	14.6	15.1	14.9	15.4	15.7	14.6	15.1	14.9	15.4	15.7
	8H	14.5	15.0	14.9	15.4	15.7	14.5	15.0	14.9	15.4	15.7
	12H	14.5	15.0	14.9	15.3	15.7	14.5	15.0	14.9	15.3	15.7
4H	2H	14.6	15.2	15.0	15.4	15.7	14.6	15.2	15.0	15.4	15.7
	3H	14.5	14.9	14.8	15.3	15.7	14.5	14.9	14.8	15.3	15.7
	4H	14.3	14.8	14.8	15.2	15.7	14.3	14.8	14.8	15.2	15.7
	6H	14.3	14.7	14.8	15.1	15.4	14.3	14.7	14.8	15.1	15.4
	8H	14.2	14.7	14.7	15.0	15.4	14.2	14.7	14.7	15.0	15.4
	12H	14.2	14.5	14.7	14.9	15.4	14.2	14.5	14.7	14.9	15.4
8H	4H	14.2	14.6	14.7	15.0	15.4	14.2	14.6	14.7	15.0	15.4
	6H	14.1	14.4	14.7	14.9	15.4	14.1	14.4	14.7	14.9	15.4
	8H	14.2	14.4	14.7	14.9	15.5	14.2	14.4	14.7	14.9	15.5
	12H	14.1	14.3	14.7	14.8	15.4	14.1	14.3	14.7	14.8	15.4
12H	4H	14.1	14.5	14.6	14.9	15.3	14.1	14.5	14.6	14.9	15.3
	6H	14.1	14.4	14.7	14.9	15.5	14.1	14.4	14.7	14.9	15.5
	8H	14.1	14.3	14.7	14.8	15.4	14.1	14.3	14.7	14.8	15.4
Variation of the observer position for the luminaire distance S											
S = 1.0H		6.3 / -9.5					6.3 / -9.5				
S = 1.5H		9.1 / -10.1					9.1 / -10.1				
S = 2.0H		11.1 / -10.4					11.1 / -10.4				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 4547 lm total luminous flux											