

## Light efficiency:

84 Lumen/Watt

## Color temperature:

4027 K

## Light quality:

CRI:90.9, R<sub>g</sub>:90.2, R<sub>f</sub>:97.0

P: 2 / V: - / F: 3

Output: 8817 lm

Peak: 10679 cd

Power: 105.4 W

Voltage: 120 V

Current: 0.880 A

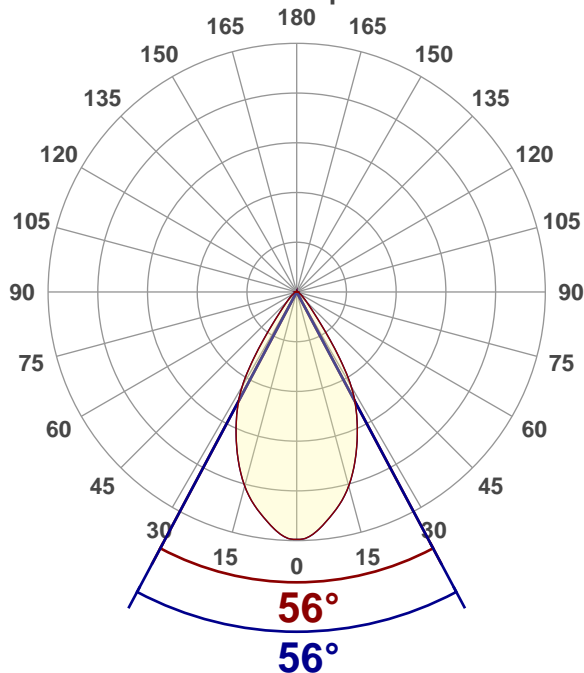
PF: 1.0

THD: 9.79 %



## Angular Distribution

0° and 90° plane



Product name:

GEN06-9040-WWHxxx

Test Date:

2020-09-22

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

56°

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

80.2°

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

109.6°

## Beam Details

\*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	7184 lx	667 fc	4.3 ft / 1.3 m
8 ft / 2.4 m	1796 lx	167 fc	8.5 ft / 2.6 m
12 ft / 3.7 m	798 lx	74 fc	12.8 ft / 3.9 m
16 ft / 4.9 m	449 lx	42 fc	17 ft / 5.2 m
20 ft / 6.1 m	287 lx	27 fc	21.3 ft / 6.5 m

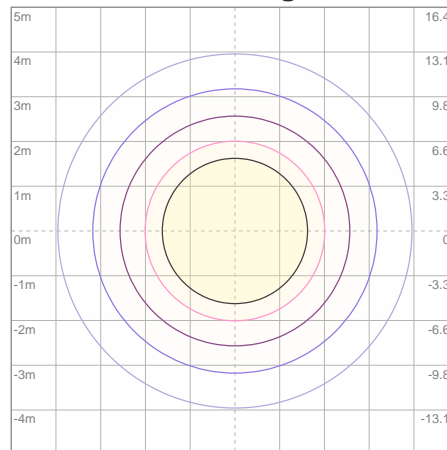
Beam center

# Photometric Testing Report

## Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	6189	70.19%
0-40	7780	88.24%
0-60	8503	96.44%
60-90	270	3.06%
70-100	135	1.53%
90-120	12.5	0.14%
0-90	8772	99.49%
90-180	45.0	0.51%
0-180	8817	100.00%

## ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

Lux at center:	1148 lx
3%	34.44 lx
5%	57.40 lx
10%	114.80 lx
30%	344.40 lx
50%	574.00 lx

### Conditions:

Number of planes: 8

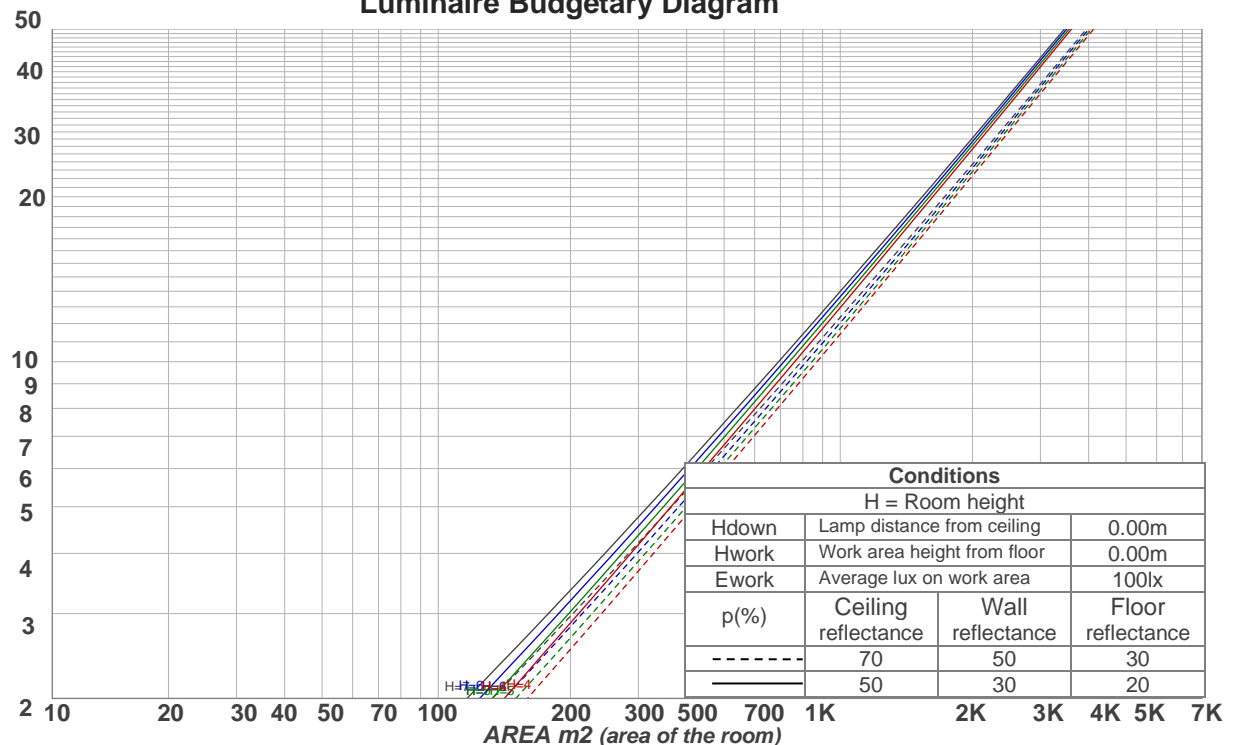
Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

## 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	99
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	107	102	98	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85
3	101	95	89	85	99	93	88	85	90	86	83	88	85	82	86	83	80	79
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	77	75	73
5	91	83	76	72	89	82	76	72	80	75	71	78	74	70	76	73	70	68
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64
7	82	73	67	62	81	72	66	62	71	66	62	69	65	61	68	64	61	60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	61	57	54	53
10	71	61	55	52	70	61	55	51	60	55	51	59	54	51	58	54	51	50

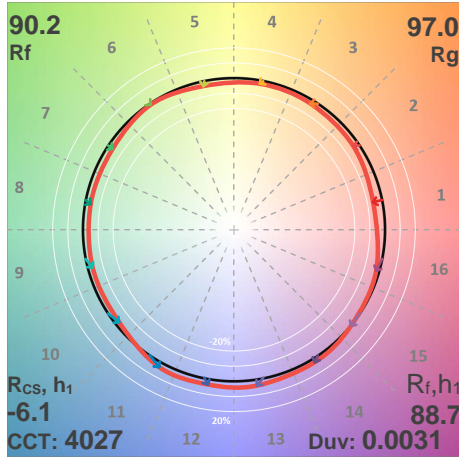
LAMPS (number of lamps)

## Luminaire Budgetary Diagram

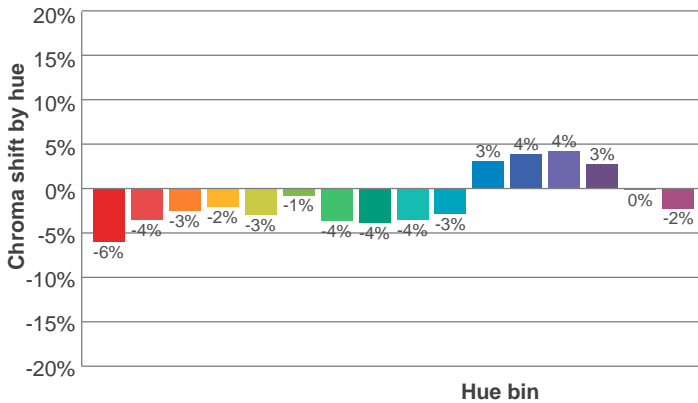
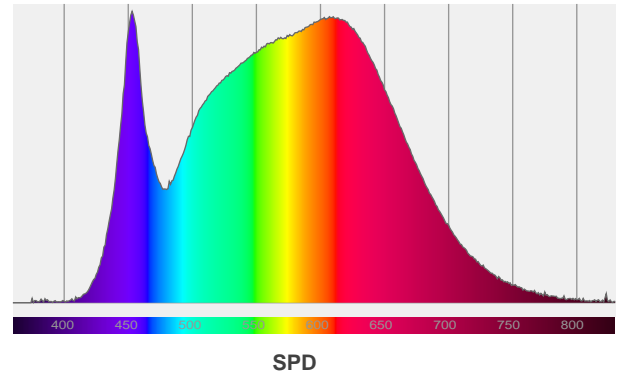
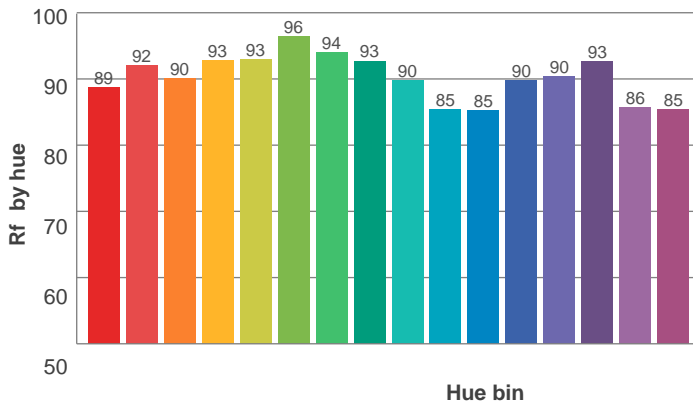
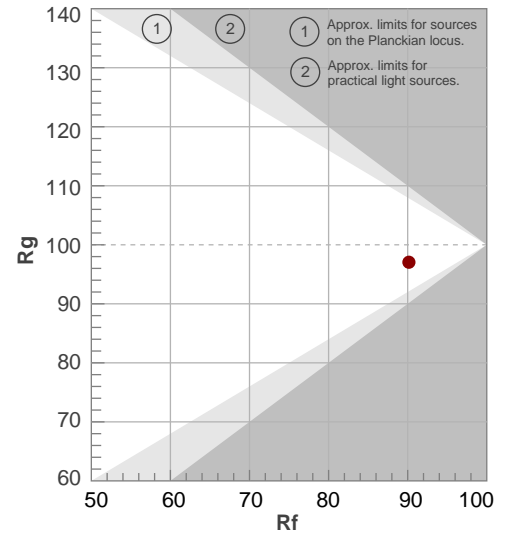


ANSI/IES TM-30-18

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



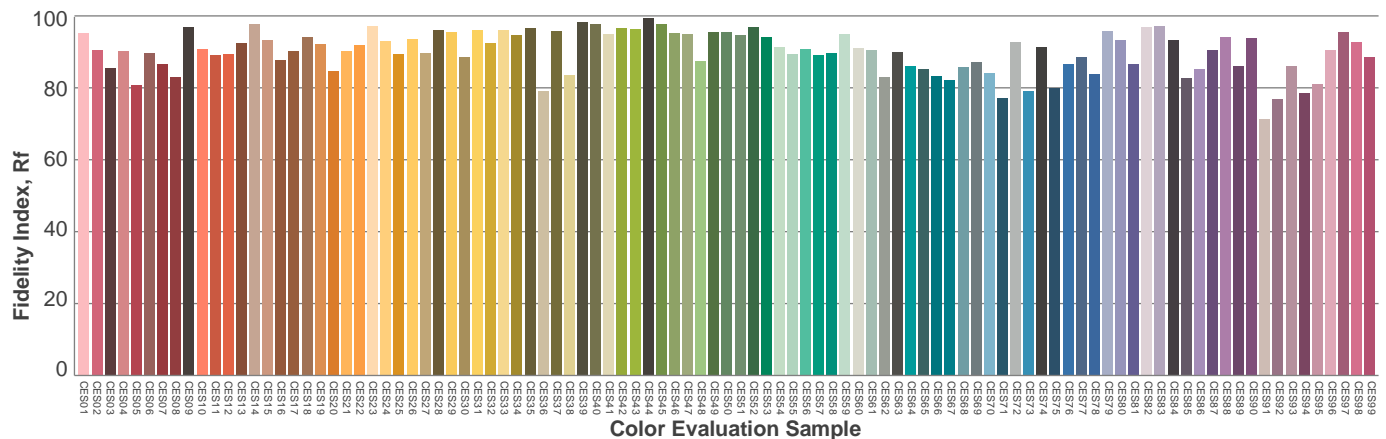
Red: 28.5%, Power=0.061W

Blue: 13.2%, Power=0.068W

Green: 29.4%, Power=0.119W

UVA: 0.1%, Power=0.002W

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	21.8	22.5	21.9	22.7	22.9	21.8	22.5	21.9	22.7	22.9
	3H	21.9	22.8	22.3	23.0	23.2	21.9	22.8	22.3	23.0	23.2
	4H	22.2	22.9	22.6	23.2	23.4	22.2	22.9	22.6	23.2	23.4
	6H	22.5	23.1	22.8	23.4	23.8	22.5	23.1	22.8	23.4	23.8
	8H	22.5	23.2	22.9	23.5	23.9	22.5	23.2	22.9	23.5	23.9
	12H	22.6	23.2	22.9	23.5	24.0	22.6	23.2	22.9	23.5	24.0
4H	2H	21.6	22.4	22.0	22.7	22.9	21.6	22.4	22.0	22.7	22.9
	3H	22.2	22.8	22.5	23.1	23.6	22.2	22.8	22.5	23.1	23.6
	4H	22.4	23.0	22.9	23.4	24.0	22.4	23.0	22.9	23.4	24.0
	6H	22.8	23.4	23.3	23.7	24.1	22.8	23.4	23.3	23.7	24.1
	8H	22.9	23.5	23.5	23.8	24.2	22.9	23.5	23.5	23.8	24.2
	12H	23.0	23.5	23.5	23.9	24.3	23.0	23.5	23.5	23.9	24.3
8H	4H	22.5	23.1	23.1	23.4	23.8	22.5	23.1	23.1	23.4	23.8
	6H	23.1	23.4	23.6	23.9	24.4	23.1	23.4	23.6	23.9	24.4
	8H	23.3	23.6	23.8	24.1	24.8	23.3	23.6	23.8	24.1	24.8
	12H	23.5	23.7	24.1	24.3	24.9	23.5	23.7	24.1	24.3	24.9
12H	4H	22.5	23.0	23.0	23.4	23.8	22.5	23.0	23.0	23.4	23.8
	6H	23.1	23.4	23.7	24.0	24.6	23.1	23.4	23.7	24.0	24.6
	8H	23.4	23.6	24.0	24.1	24.8	23.4	23.6	24.0	24.1	24.8
Variation of the observer position for the luminaire distance S											
S = 1.0H		2.9 / -1.4					2.9 / -1.4				
S = 1.5H		5.0 / -1.8					5.0 / -1.8				
S = 2.0H		6.8 / -2.0					6.8 / -2.0				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 8817 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.