

## Light efficiency:

**81 Lumen/Watt**

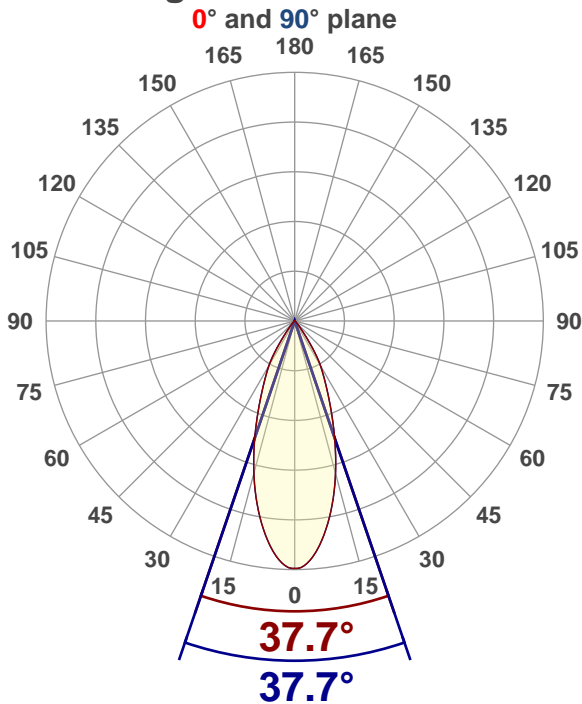
## Color temperature:

**4038 K**

## Light quality:

**CRI:90.9, R<sub>g</sub>:90.1, R<sub>f</sub>:97.0****P: 2 / V: - / F: 3****Output: 8528 lm****Peak: 17679 cd****Power: 105.2 W****Voltage: 121 V****Current: 0.875 A****PF: 1.0****THD: 9.84 %**

## Angular Distribution



Product name:

**GEN06-9040-MHCxxx**

Test Date:

**2020-09-30**Beam Angle (50% of the brightness of the centre):  
**37.7°**Field Angle (10% of the brightness of the centre):  
**69.1°**Cut Off Angle (2.5% of the brightness of the centre):  
**81.7°**

## Beam Details

\*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	11894 lx	1105 fc	2.7 ft / 0.8 m
8 ft / 2.4 m	2973 lx	276 fc	5.5 ft / 1.7 m
12 ft / 3.7 m	1322 lx	123 fc	8.2 ft / 2.5 m
16 ft / 4.9 m	743 lx	69 fc	10.9 ft / 3.3 m
20 ft / 6.1 m	476 lx	44 fc	13.7 ft / 4.2 m

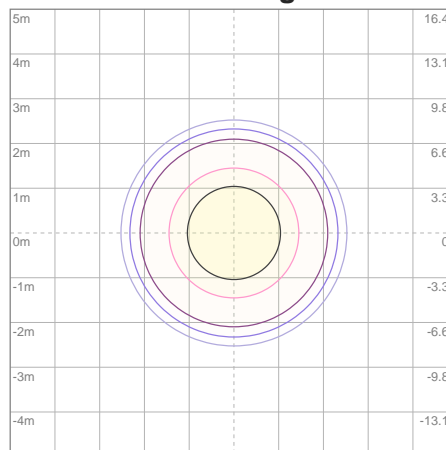
Beam center

# Photometric Testing Report

## Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	7157	83.92%
0-40	8238	96.60%
0-60	8478	99.41%
60-90	11.1	0.13%
70-100	8.85	0.10%
90-120	9.83	0.12%
0-90	8489	99.54%
90-180	39.7	0.47%
0-180	8528	100.00%

## ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

Lux at center:	1900 lx
3%	57.00 lx
5%	95.00 lx
10%	190.00 lx
30%	570.00 lx
50%	950.00 lx

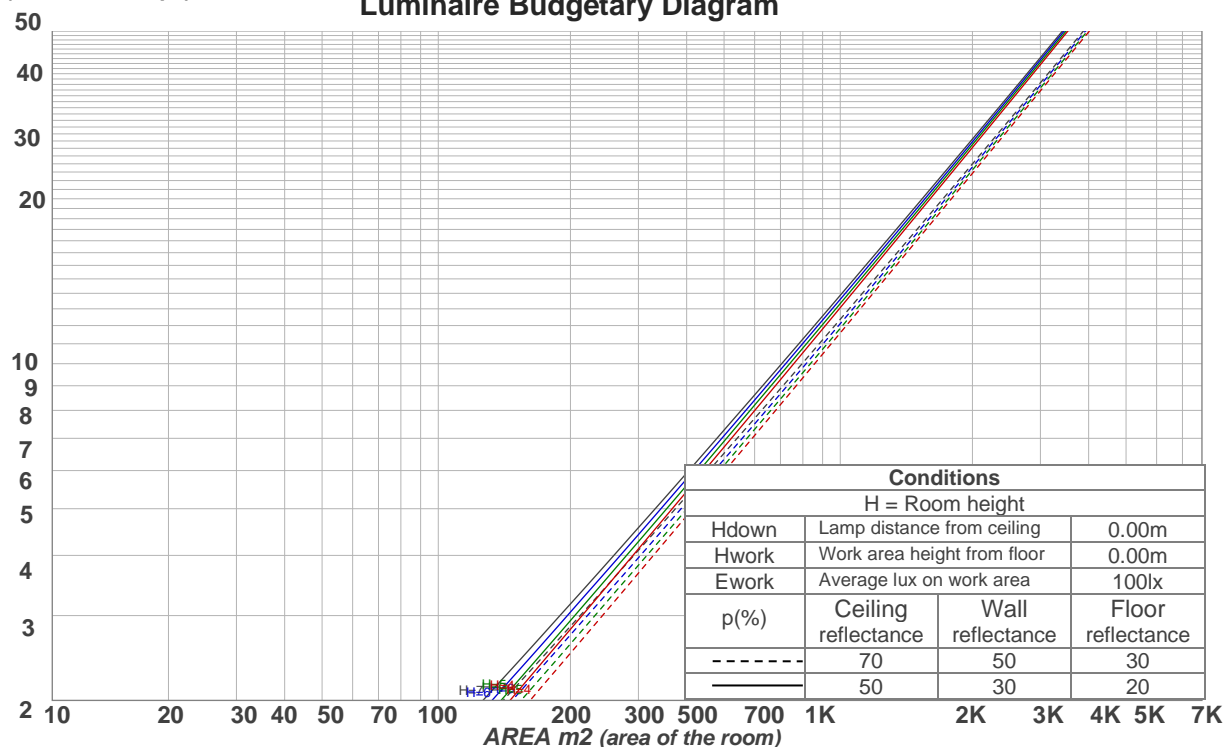
**Conditions:**  
 Number of planes: 8  
 Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

## 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	100
1	114	112	109	107	112	109	107	106	105	104	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	95	91	103	98	94	90	95	92	89	92	90	87	90	88	86	85
4	100	94	89	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65
9	81	73	68	64	80	73	68	64	72	67	64	71	67	64	70	66	64	62
10	78	70	65	61	77	69	65	61	69	64	61	68	64	61	67	63	61	60

LAMPS (number of lamps)

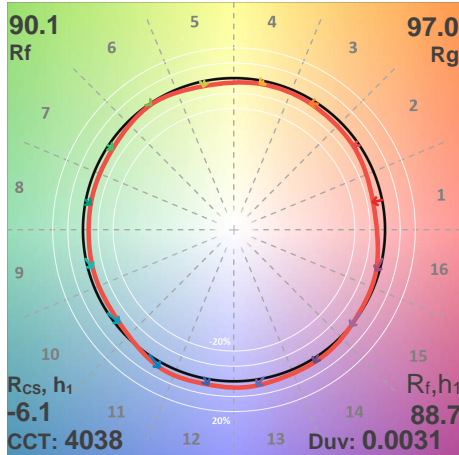
## Luminaire Budgetary Diagram



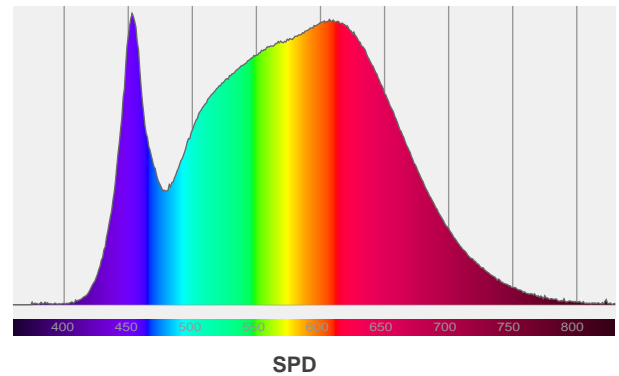
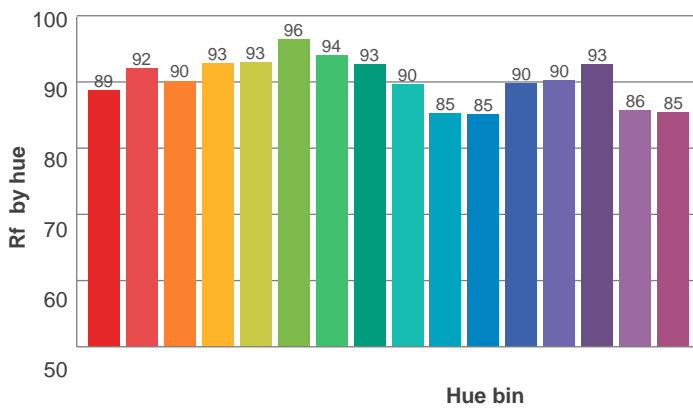
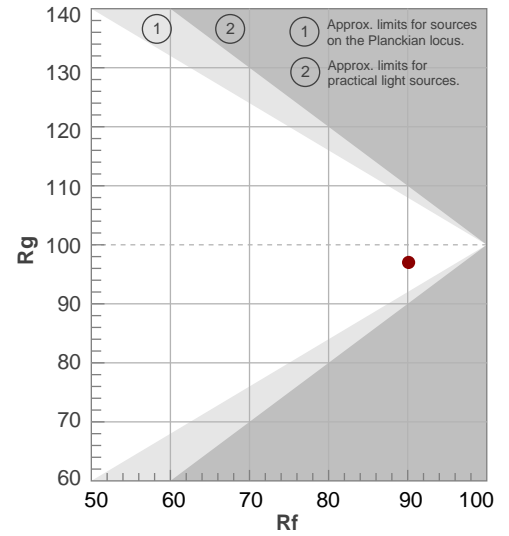
## Photometric Testing Report

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	-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%



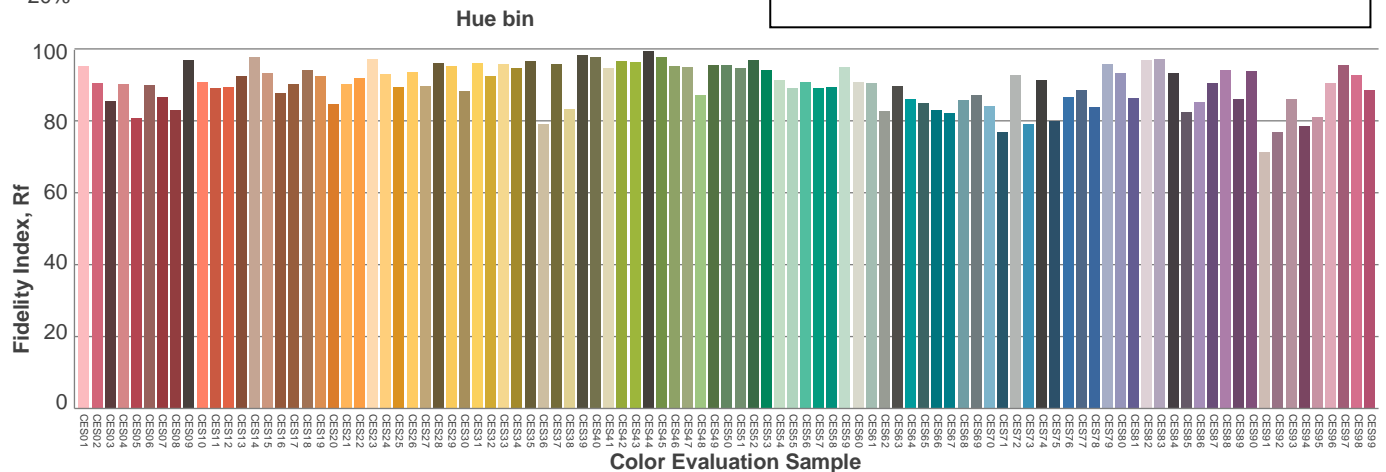
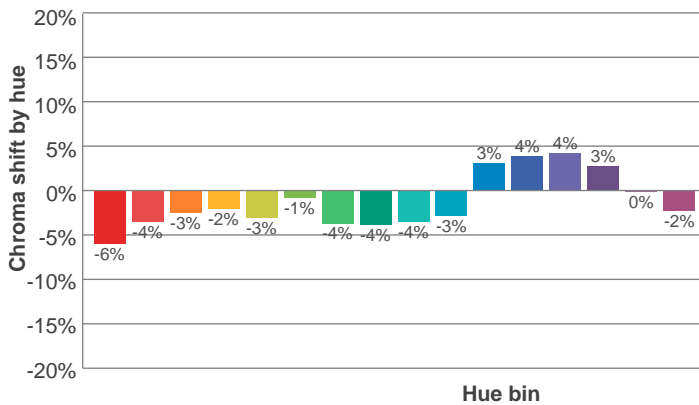
Red: 28.5%, Power=0.059W

Blue: 13.4%, Power=0.066W

Green: 29.4%, Power=0.115W

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	18.2	18.7	18.3	18.9	19.1	18.2	18.7	18.3	18.9	19.1
	3H	17.9	18.6	18.3	18.8	18.9	17.9	18.6	18.3	18.8	18.9
	4H	17.8	18.5	18.2	18.7	18.9	17.8	18.5	18.2	18.7	18.9
	6H	17.8	18.3	18.1	18.6	19.0	17.8	18.3	18.1	18.6	19.0
	8H	17.8	18.3	18.1	18.6	19.0	17.8	18.3	18.1	18.6	19.0
	12H	17.7	18.2	18.1	18.6	19.0	17.7	18.2	18.1	18.6	19.0
4H	2H	17.8	18.5	18.2	18.7	18.9	17.8	18.5	18.2	18.7	18.9
	3H	17.7	18.2	18.1	18.6	19.0	17.7	18.2	18.1	18.6	19.0
	4H	17.6	18.0	18.0	18.5	19.0	17.6	18.0	18.0	18.5	19.0
	6H	17.5	18.0	18.0	18.3	18.7	17.5	18.0	18.0	18.3	18.7
	8H	17.4	17.9	17.9	18.2	18.6	17.4	17.9	17.9	18.2	18.6
	12H	17.4	17.7	17.9	18.1	18.6	17.4	17.7	17.9	18.1	18.6
8H	4H	17.4	17.9	17.9	18.2	18.6	17.4	17.9	17.9	18.2	18.6
	6H	17.3	17.7	17.9	18.1	18.7	17.3	17.7	17.9	18.1	18.7
	8H	17.4	17.6	17.9	18.1	18.7	17.4	17.6	17.9	18.1	18.7
	12H	17.3	17.5	17.9	18.0	18.6	17.3	17.5	17.9	18.0	18.6
12H	4H	17.3	17.7	17.9	18.1	18.6	17.3	17.7	17.9	18.1	18.6
	6H	17.3	17.6	17.9	18.1	18.7	17.3	17.6	17.9	18.1	18.7
	8H	17.3	17.5	17.9	18.0	18.6	17.3	17.5	17.9	18.0	18.6
Variation of the observer position for the luminaire distance S											
S = 1.0H		6.1 / -12.6					6.1 / -12.6				
S = 1.5H		8.8 / -16.0					8.8 / -16.0				
S = 2.0H		10.8 / -16.5					10.8 / -16.5				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 8528 lm total luminous flux											