

Light efficiency:

82 Lumen/Watt

Color temperature:

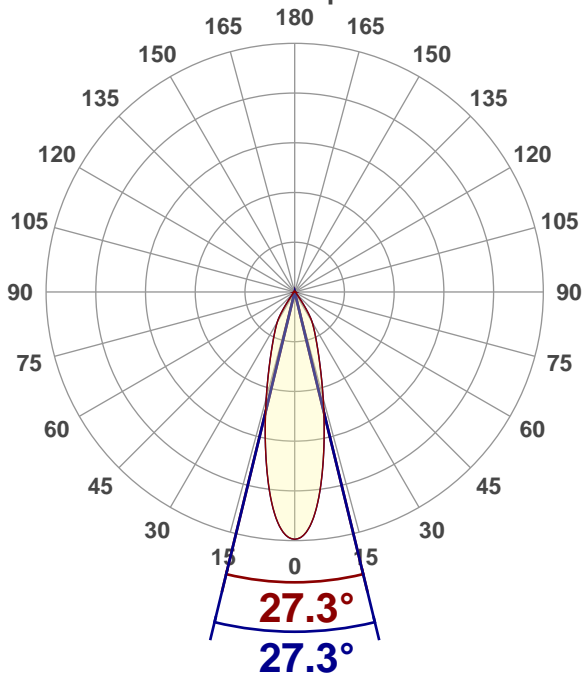
4021 K

Light quality:

CRI:91.0, R_g:90.2, R_f:97.1**P: 2 / V: - / F: 3****Output: 8687 lm****Peak: 24017 cd****Power: 105.6 W****Voltage: 120 V****Current: 0.884 A****PF: 1.0****THD: 9.64 %**

Angular Distribution

0° and 90° plane



Product name:

GEN06-9040-SWHxxx

Test Date:

2020-09-22Beam Angle (50% of the brightness of the centre):
27.3°Field Angle (10% of the brightness of the centre):
65.5°Cut Off Angle (2.5% of the brightness of the centre):
77.9°

Beam Details

*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	16157 lx	1501 fc	1.9 ft / 0.6 m
8 ft / 2.4 m	4039 lx	375 fc	3.9 ft / 1.2 m
12 ft / 3.7 m	1795 lx	167 fc	5.8 ft / 1.8 m
16 ft / 4.9 m	1010 lx	94 fc	7.8 ft / 2.4 m
20 ft / 6.1 m	646 lx	60 fc	9.7 ft / 3 m

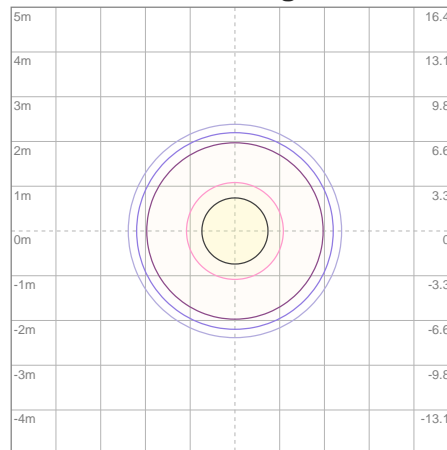
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	7087	81.58%
0-40	8103	93.28%
0-60	8466	97.46%
60-90	189	2.18%
70-100	93.4	1.08%
90-120	9.51	0.11%
0-90	8655	99.63%
90-180	32.0	0.37%
0-180	8687	100.00%

ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

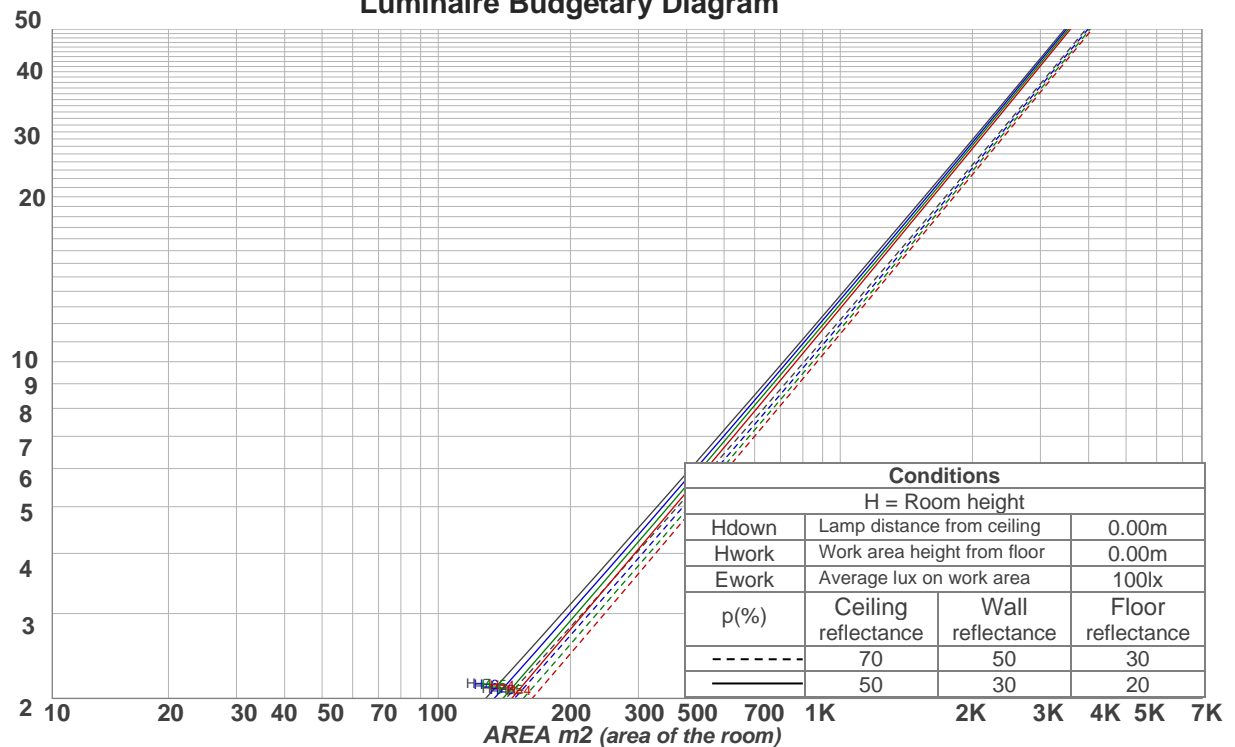
Lux at center:	2582 lx
3%	77.46 lx
5%	129.10 lx
10%	258.20 lx
30%	774.60 lx
50%	1291.00 lx
Conditions: Number of planes: 8 Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.	

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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84
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	82	79	85	81	78	84	80	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	76	73	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65
9	82	73	68	65	81	73	68	64	72	67	64	71	67	64	70	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60

LAMPS (number of lamps)

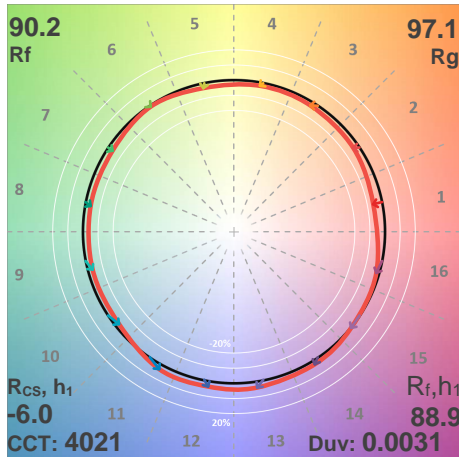
Luminaire Budgetary Diagram



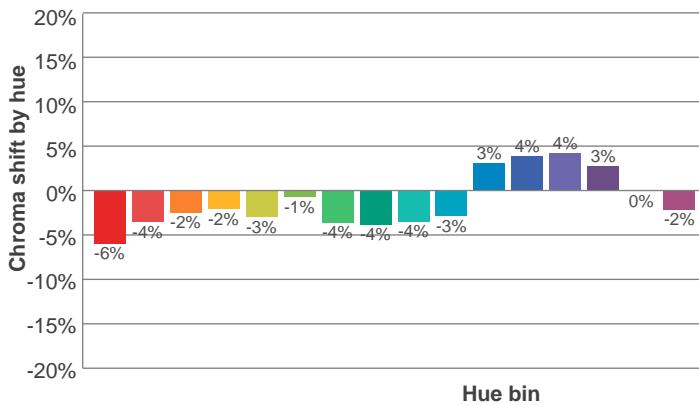
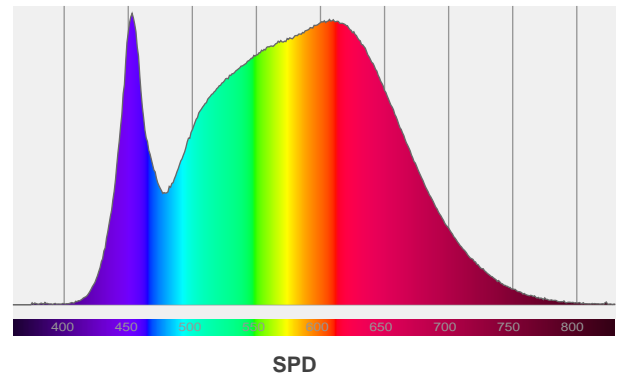
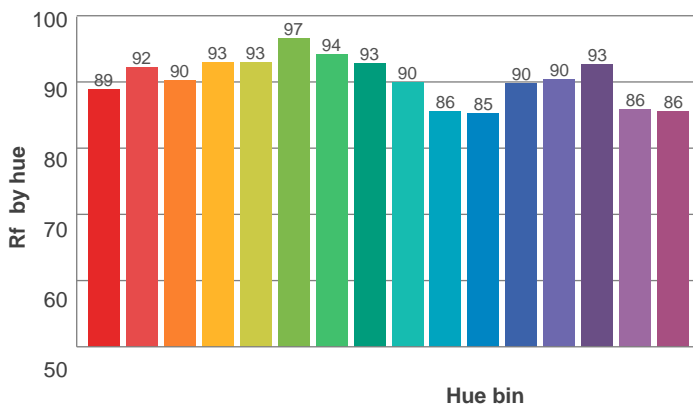
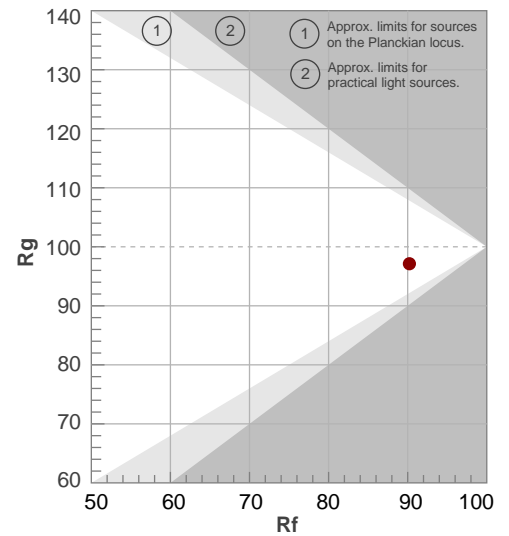
Photometric Testing Report

ANSI/IES TM-30-18

P: 2 / V: - / F: 3



Hue Bin	R _f	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	-4%	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%



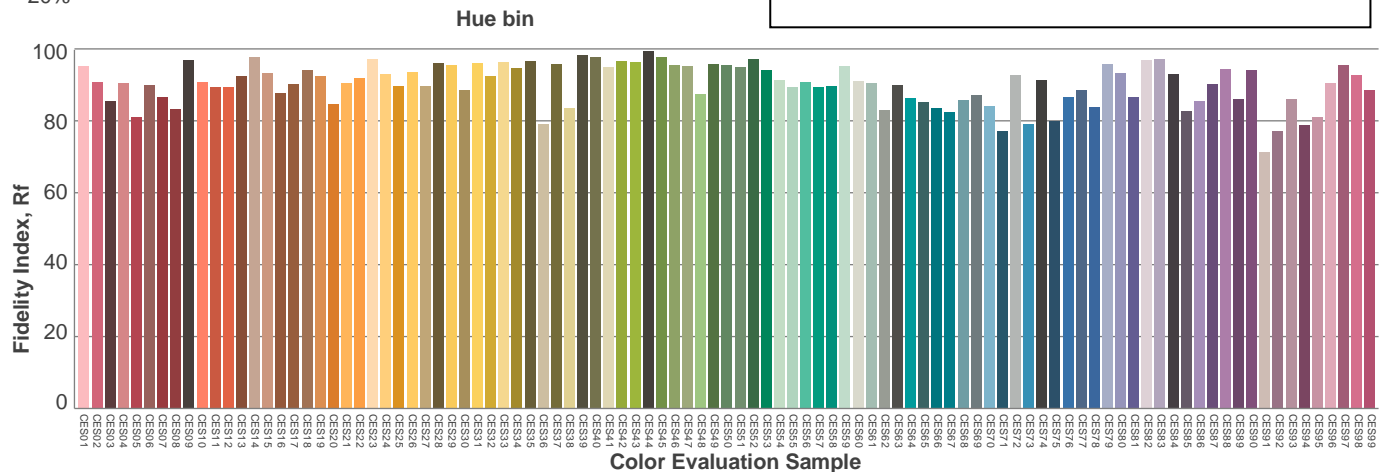
Red: 28.7%, Power=0.061W

Blue: 13.2%, Power=0.066W

Green: 29.5%, Power=0.117W

UVA: 0%, Power=0.001W

Dominant Wavelength: 580nm

1st Peak Wavelength: 453nm2nd 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	18.6	19.1	18.7	19.3	19.5	18.6	19.1	18.7	19.3	19.5
	3H	18.8	19.5	19.2	19.7	19.9	18.8	19.5	19.2	19.7	19.9
	4H	19.1	19.8	19.5	20.0	20.2	19.1	19.8	19.5	20.0	20.2
	6H	19.4	20.0	19.7	20.3	20.7	19.4	20.0	19.7	20.3	20.7
	8H	19.5	20.1	19.9	20.4	20.8	19.5	20.1	19.9	20.4	20.8
	12H	19.6	20.1	20.0	20.5	20.9	19.6	20.1	20.0	20.5	20.9
4H	2H	18.4	19.1	18.8	19.3	19.6	18.4	19.1	18.8	19.3	19.6
	3H	19.1	19.6	19.5	20.0	20.4	19.1	19.6	19.5	20.0	20.4
	4H	19.5	19.9	19.9	20.4	20.9	19.5	19.9	19.9	20.4	20.9
	6H	19.9	20.4	20.4	20.8	21.1	19.9	20.4	20.4	20.8	21.1
	8H	20.1	20.5	20.6	20.9	21.3	20.1	20.5	20.6	20.9	21.3
	12H	20.2	20.5	20.7	21.0	21.4	20.2	20.5	20.7	21.0	21.4
8H	4H	19.6	20.1	20.1	20.4	20.8	19.6	20.1	20.1	20.4	20.8
	6H	20.2	20.5	20.7	21.0	21.5	20.2	20.5	20.7	21.0	21.5
	8H	20.5	20.7	21.0	21.3	21.9	20.5	20.7	21.0	21.3	21.9
	12H	20.7	20.9	21.3	21.4	22.0	20.7	20.9	21.3	21.4	22.0
12H	4H	19.6	20.0	20.1	20.4	20.8	19.6	20.0	20.1	20.4	20.8
	6H	20.3	20.5	20.8	21.1	21.7	20.3	20.5	20.8	21.1	21.7
	8H	20.5	20.8	21.1	21.3	21.9	20.5	20.8	21.1	21.3	21.9
Variation of the observer position for the luminaire distance S											
S = 1.0H		3.2 / -1.3					3.2 / -1.3				
S = 1.5H		5.4 / -1.5					5.4 / -1.5				
S = 2.0H		7.2 / -1.6					7.2 / -1.6				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 8687 lm total luminous flux											