

Light efficiency:

82 Lumen/Watt

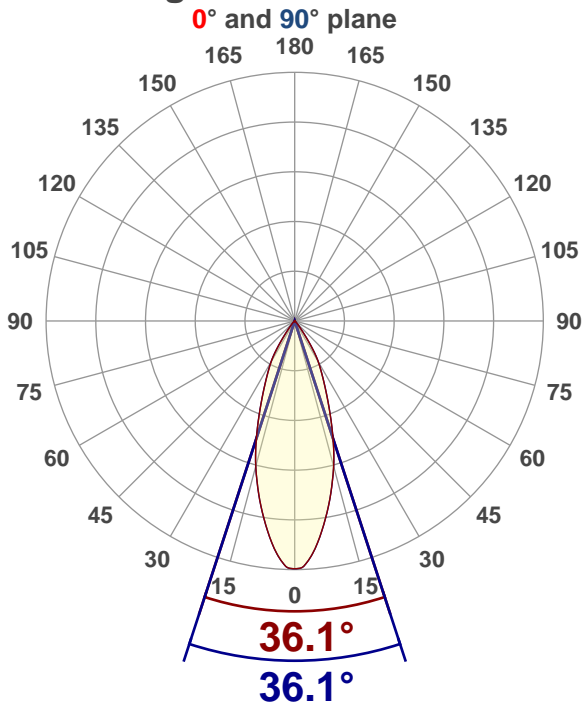
Color temperature:

4031 K

Light quality:

CRI:90.8, R_g:90.1, R_f:97.0**P: 2 / V: - / F: 3****Output: 8576 lm****Peak: 18918 cd****Power: 105.1 W****Voltage: 120 V****Current: 0.880 A****PF: 1.0****THD: 9.62 %**

Angular Distribution



Product name:

GEN06-9040-MSxxxx

Test Date:

2020-09-29

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

36.1°

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

68.2°

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

80°

Beam Details

*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	12727 lx	1182 fc	2.6 ft / 0.8 m
8 ft / 2.4 m	3182 lx	296 fc	5.2 ft / 1.6 m
12 ft / 3.7 m	1414 lx	131 fc	7.8 ft / 2.4 m
16 ft / 4.9 m	795 lx	74 fc	10.4 ft / 3.2 m
20 ft / 6.1 m	509 lx	47 fc	13 ft / 4 m

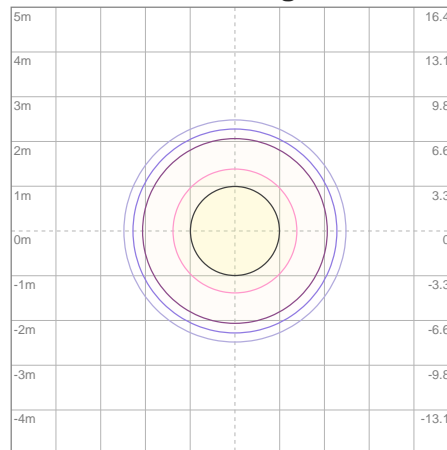
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	7242	84.44%
0-40	8288	96.64%
0-60	8517	99.31%
60-90	14.9	0.17%
70-100	10.5	0.12%
90-120	11.0	0.13%
0-90	8532	99.49%
90-180	44.3	0.52%
0-180	8576	100.00%

ISO Lux Diagram



Lux at center:	2034 lx
3%	61.02 lx
5%	101.70 lx
10%	203.40 lx
30%	610.20 lx
50%	1017.00 lx

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

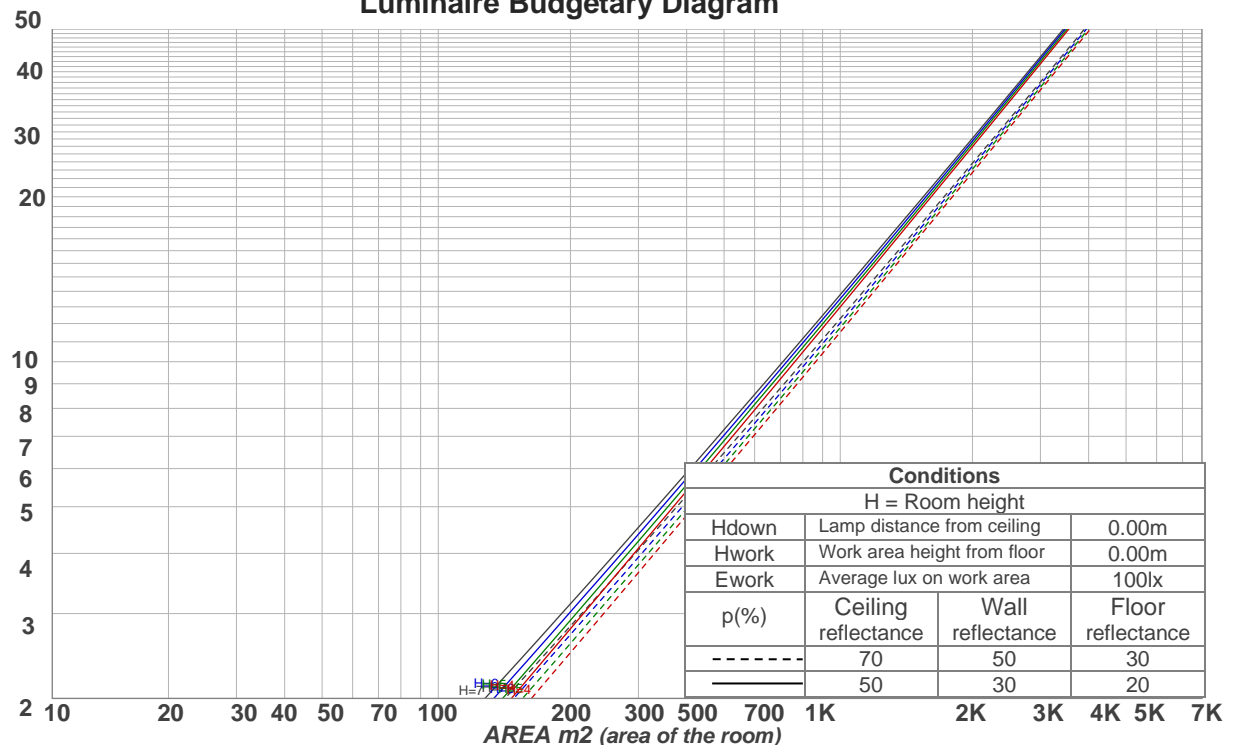
Mounting height: 3.05 meters (10 feet)

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	99
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	93	91	89
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	90	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	88	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	85	79	76	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	89	81	75	72	87	80	75	71	79	74	71	77	74	71	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	65	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)

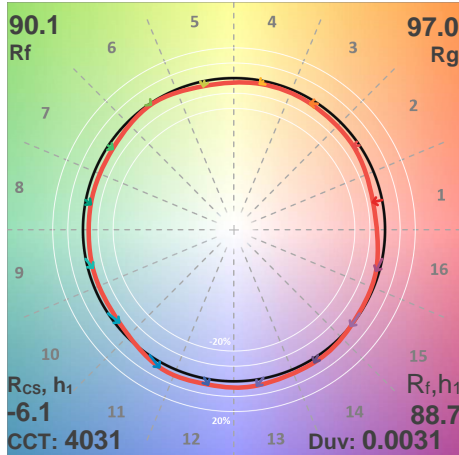
Luminaire Budgetary Diagram



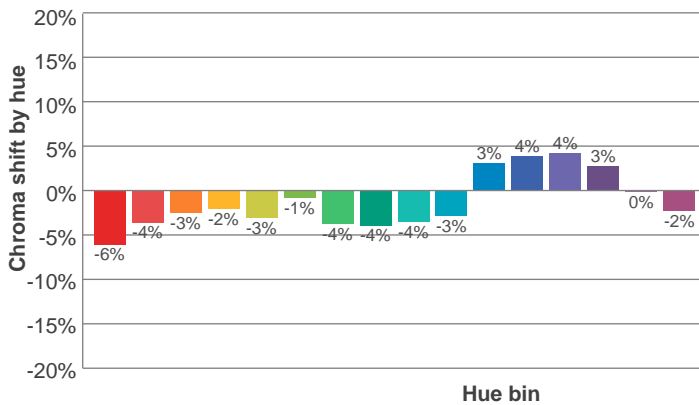
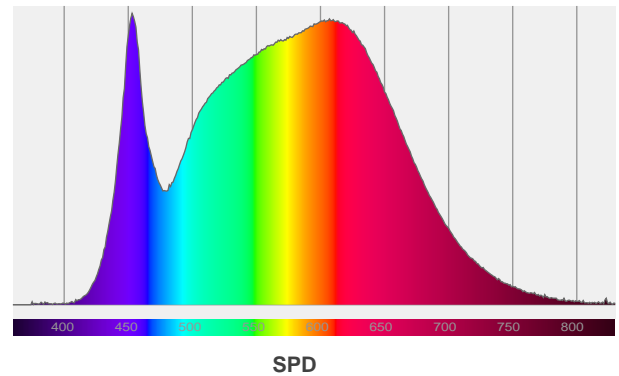
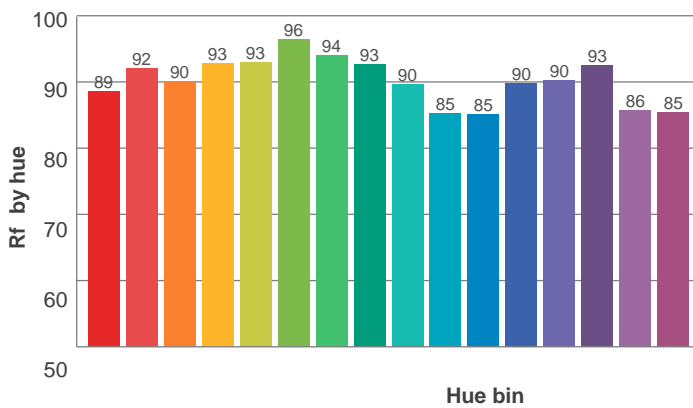
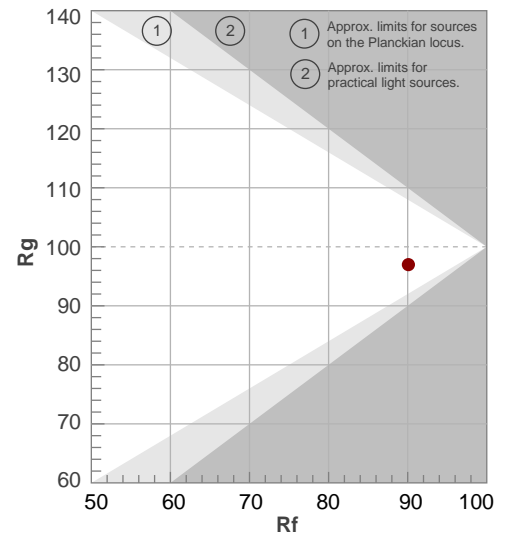
Photometric Testing Report

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	-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%



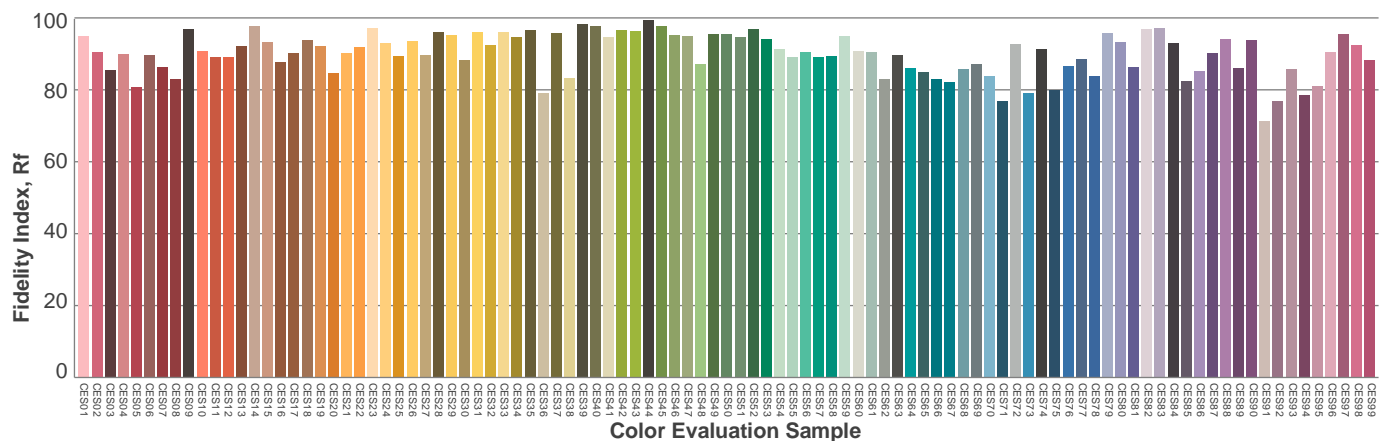
Red: 28.5%, Power=0.059W

Blue: 13.3%, Power=0.066W

Green: 29.4%, Power=0.115W

UVA: 0.1%, 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	18.0	18.5	18.1	18.7	18.9	18.0	18.5	18.1	18.7	18.9
	3H	17.6	18.3	18.0	18.5	18.7	17.6	18.3	18.0	18.5	18.7
	4H	17.6	18.2	18.0	18.5	18.7	17.6	18.2	18.0	18.5	18.7
	6H	17.6	18.1	17.9	18.4	18.8	17.6	18.1	17.9	18.4	18.8
	8H	17.5	18.0	17.8	18.4	18.8	17.5	18.0	17.8	18.4	18.8
	12H	17.5	18.0	17.8	18.3	18.8	17.5	18.0	17.8	18.3	18.8
4H	2H	17.6	18.2	18.0	18.5	18.7	17.6	18.2	18.0	18.5	18.7
	3H	17.5	18.0	17.8	18.3	18.7	17.5	18.0	17.8	18.3	18.7
	4H	17.3	17.8	17.7	18.2	18.7	17.3	17.8	17.7	18.2	18.7
	6H	17.2	17.8	17.7	18.1	18.4	17.2	17.8	17.7	18.1	18.4
	8H	17.2	17.7	17.7	18.0	18.4	17.2	17.7	17.7	18.0	18.4
	12H	17.1	17.5	17.6	17.9	18.4	17.1	17.5	17.6	17.9	18.4
8H	4H	17.2	17.6	17.7	18.0	18.4	17.2	17.6	17.7	18.0	18.4
	6H	17.1	17.4	17.6	17.9	18.4	17.1	17.4	17.6	17.9	18.4
	8H	17.1	17.4	17.6	17.9	18.5	17.1	17.4	17.6	17.9	18.5
	12H	17.1	17.3	17.7	17.8	18.4	17.1	17.3	17.7	17.8	18.4
12H	4H	17.1	17.5	17.6	17.9	18.4	17.1	17.5	17.6	17.9	18.4
	6H	17.1	17.3	17.6	17.9	18.5	17.1	17.3	17.6	17.9	18.5
	8H	17.1	17.3	17.7	17.8	18.4	17.1	17.3	17.7	17.8	18.4
Variation of the observer position for the luminaire distance S											
S = 1.0H		6.1 / -11.6					6.1 / -11.6				
S = 1.5H		8.9 / -14.4					8.9 / -14.4				
S = 2.0H		10.8 / -14.7					10.8 / -14.7				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 8576 lm total luminous flux											