

Light efficiency:

80 Lumen/Watt

Color temperature:

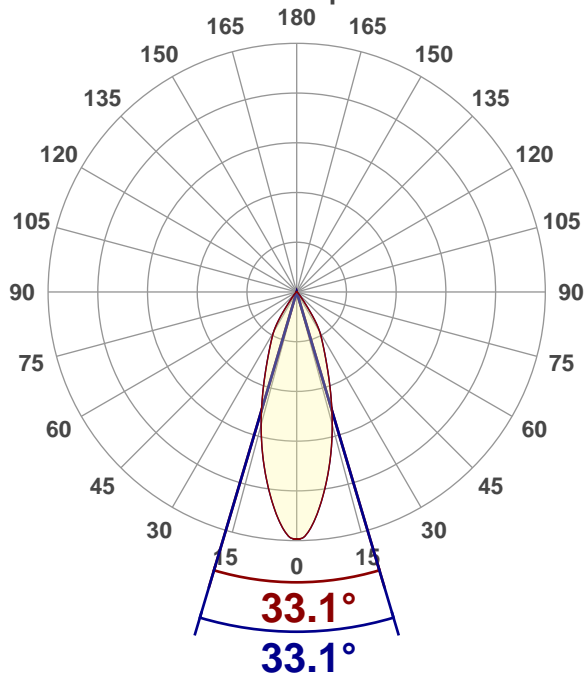
4064 K

Light quality:

CRI:90.7, R_g:90.9, R_f:98.1**P: 2 / V: - / F: 3****Output: 4567 lm****Peak: 10640 cd****Power: 57.1 W****Voltage: 120 V****Current: 0.475 A****PF: 1.0****THD: 5.62 %**

Angular Distribution

0° and 90° plane



Product name:

GEN06-4040-MHCxxx

Test Date:

2020-10-08

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

33.1°

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

68.1°

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

80.1°

Beam Details

*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	7158 lx	665 fc	2.4 ft / 0.7 m
8 ft / 2.4 m	1790 lx	166 fc	4.8 ft / 1.4 m
12 ft / 3.7 m	795 lx	74 fc	7.1 ft / 2.2 m
16 ft / 4.9 m	447 lx	42 fc	9.5 ft / 2.9 m
20 ft / 6.1 m	286 lx	27 fc	11.9 ft / 3.6 m

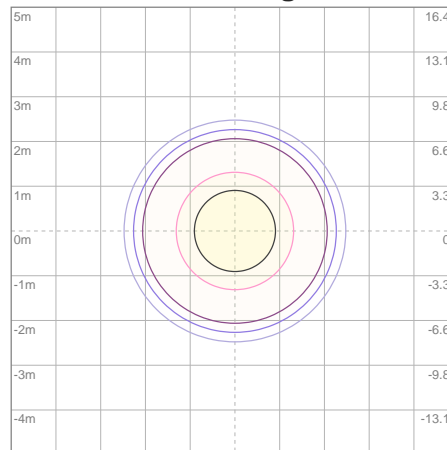
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	3797	83.14%
0-40	4378	95.86%
0-60	4520	98.97%
60-90	12.6	0.28%
70-100	9.71	0.21%
90-120	10.2	0.22%
0-90	4532	99.23%
90-180	34.4	0.75%
0-180	4567	100.00%

ISO Lux Diagram



Lux at center:	1144 lx
3%	34.32 lx
5%	57.20 lx
10%	114.40 lx
30%	343.20 lx
50%	572.00 lx

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

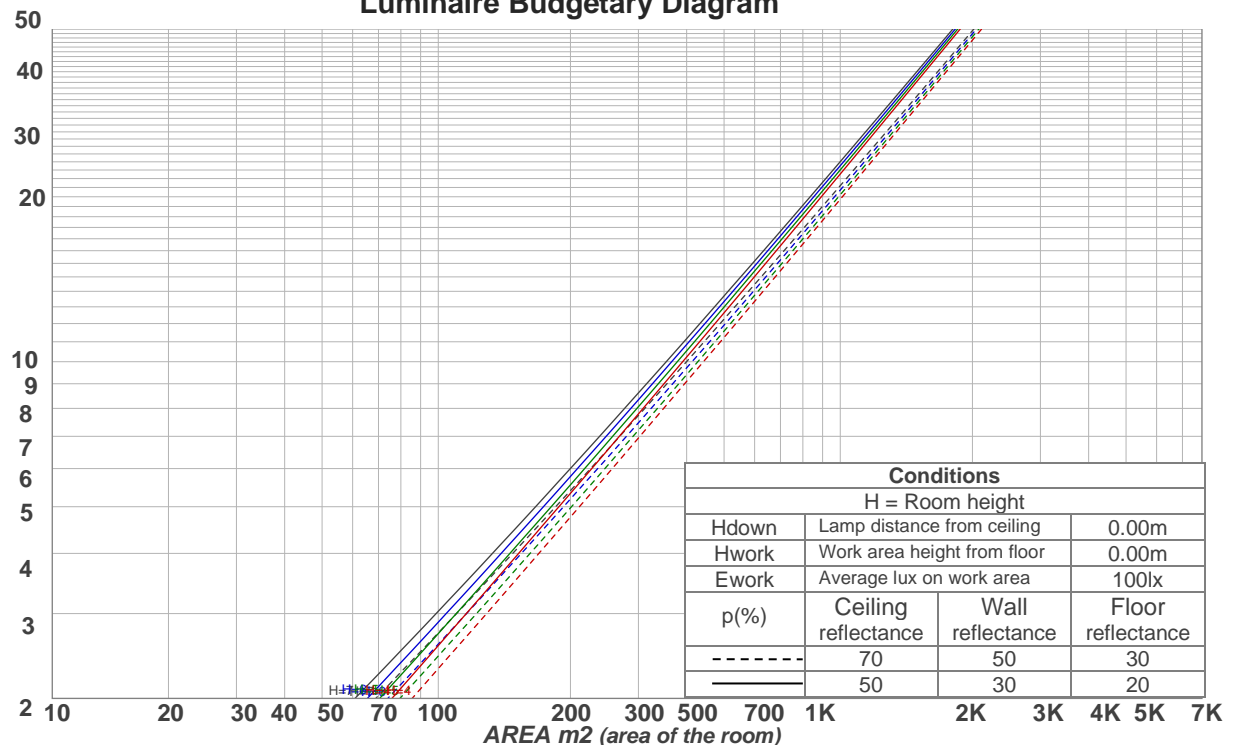
Mounting height: 3.05 meters (10 feet)

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	101	101	101	99
1	114	111	109	107	111	109	107	105	105	103	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	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	84
4	100	93	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	72	70	69
8	85	77	71	68	84	76	71	68	75	70	67	74	70	67	73	69	67	65
9	82	73	68	65	80	73	68	64	72	67	64	71	67	64	70	66	64	62
10	78	70	65	62	78	70	65	62	69	64	61	68	64	61	67	64	61	60

LAMPS (number of lamps)

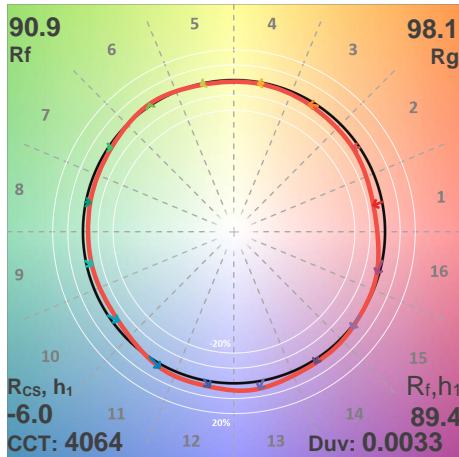
Luminaire Budgetary Diagram



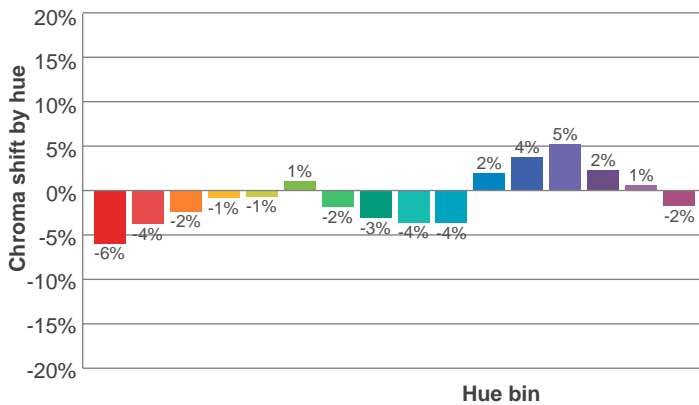
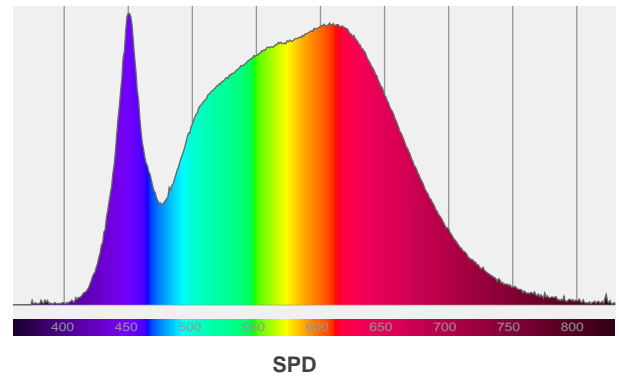
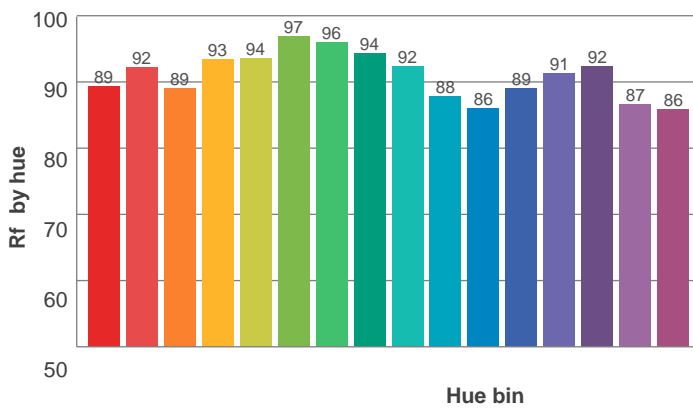
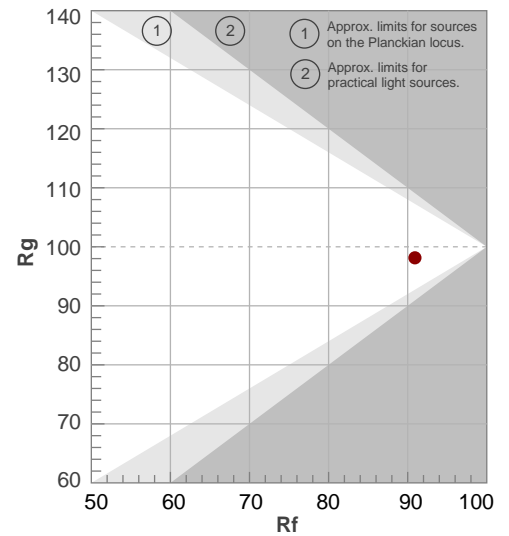
Photometric Testing Report

ANSI/IES TM-30-18

P: 2 / V: - / F: 3



Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	89	-6%	-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%



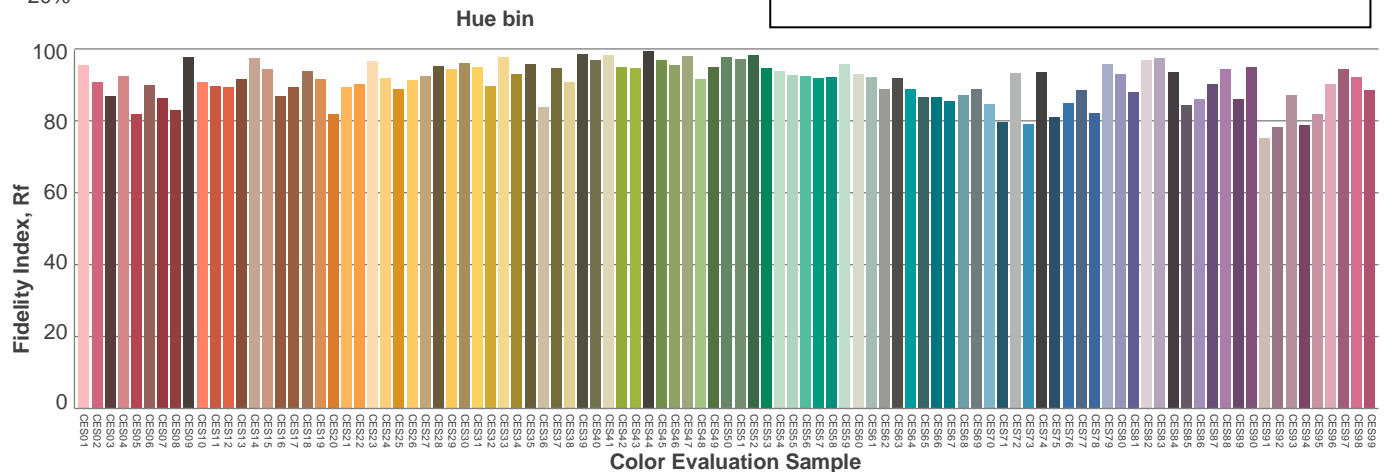
Red: 28.2%, Power=31.2mW

Blue: 12.1%, Power=29.4mW

Green: 29.7%, Power=61.7mW

UVA: 0.1%, Power=1.1mW

Dominant Wavelength: 580nm

1st Peak Wavelength: 450nm2nd 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	16.2	16.7	16.3	16.9	17.1	16.2	16.7	16.3	16.9	17.1
	3H	15.9	16.5	16.2	16.7	16.9	15.9	16.5	16.2	16.7	16.9
	4H	15.8	16.4	16.2	16.7	16.9	15.8	16.4	16.2	16.7	16.9
	6H	15.8	16.3	16.1	16.6	17.0	15.8	16.3	16.1	16.6	17.0
	8H	15.8	16.3	16.1	16.6	17.0	15.8	16.3	16.1	16.6	17.0
	12H	15.7	16.2	16.1	16.6	17.0	15.7	16.2	16.1	16.6	17.0
4H	2H	15.8	16.4	16.2	16.7	16.9	15.8	16.4	16.2	16.7	16.9
	3H	15.7	16.2	16.0	16.6	17.0	15.7	16.2	16.0	16.6	17.0
	4H	15.6	16.0	16.0	16.5	17.0	15.6	16.0	16.0	16.5	17.0
	6H	15.5	16.0	16.0	16.3	16.7	15.5	16.0	16.0	16.3	16.7
	8H	15.4	15.9	16.0	16.2	16.6	15.4	15.9	16.0	16.2	16.6
	12H	15.4	15.7	15.9	16.2	16.6	15.4	15.7	15.9	16.2	16.6
8H	4H	15.4	15.9	15.9	16.2	16.6	15.4	15.9	15.9	16.2	16.6
	6H	15.4	15.7	15.9	16.1	16.7	15.4	15.7	15.9	16.1	16.7
	8H	15.4	15.6	15.9	16.1	16.8	15.4	15.6	15.9	16.1	16.8
	12H	15.3	15.5	15.9	16.1	16.7	15.3	15.5	15.9	16.1	16.7
12H	4H	15.3	15.7	15.9	16.1	16.6	15.3	15.7	15.9	16.1	16.6
	6H	15.4	15.6	15.9	16.1	16.8	15.4	15.6	15.9	16.1	16.8
	8H	15.3	15.5	15.9	16.0	16.6	15.3	15.5	15.9	16.0	16.6
Variation of the observer position for the luminaire distance S											
S = 1.0H		6.0 / -9.2					6.0 / -9.2				
S = 1.5H		8.8 / -11.2					8.8 / -11.2				
S = 2.0H		10.7 / -11.6					10.7 / -11.6				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 4567 lm total luminous flux											