

## Light efficiency:

77 Lumen/Watt

## Color temperature:

3110 K

## Light quality:

CRI:92.6, R<sub>g</sub>:89.9, R<sub>f</sub>:99.3

P: 2 / V: - / F: 3

Output: 4509 lm

Peak: 8262 cd

Power: 58.8 W

Voltage: 120 V

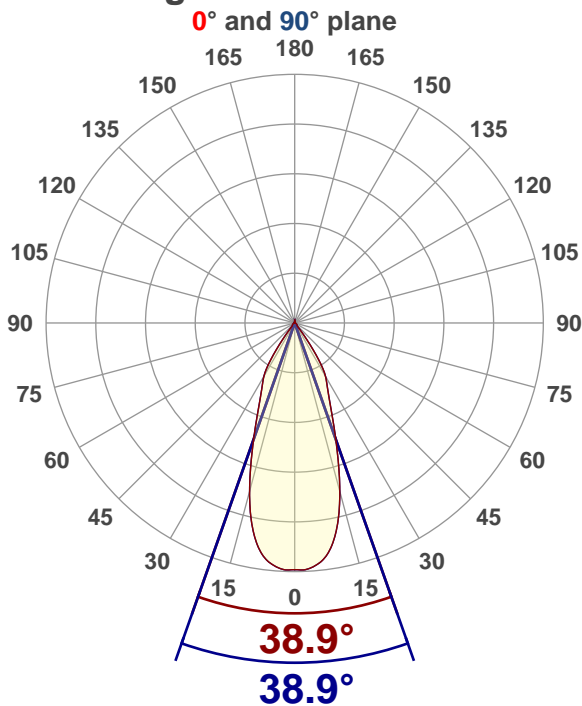
Current: 0.490 A

PF: 0.9

THD: n/a %



## Angular Distribution



Product name:

S5RGWS-I30MC-xx1-xxx

Test Date:

2020-05-22

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

38.9°

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

71°

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

77.7°

## Beam Details

\*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	5551 lx	516 fc	2.8 ft / 0.9 m
8 ft / 2.4 m	1388 lx	129 fc	5.6 ft / 1.7 m
12 ft / 3.7 m	617 lx	57 fc	8.5 ft / 2.6 m
16 ft / 4.9 m	347 lx	32 fc	11.3 ft / 3.4 m
20 ft / 6.1 m	222 lx	21 fc	14.1 ft / 4.3 m

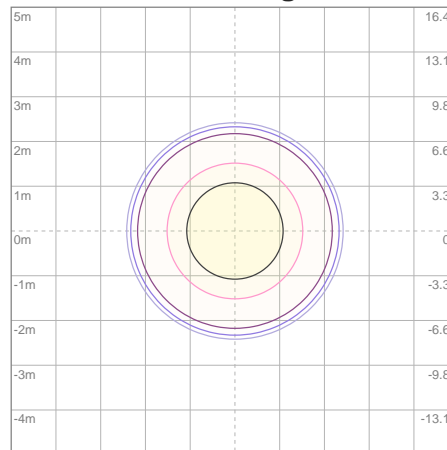
Beam center

# Photometric Testing Report

## Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	3607	80.00%
0-40	4211	93.39%
0-60	4371	96.94%
60-90	98.9	2.19%
70-100	49.3	1.09%
90-120	12.0	0.27%
0-90	4470	99.14%
90-180	38.9	0.86%
0-180	4509	100.00%

## ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

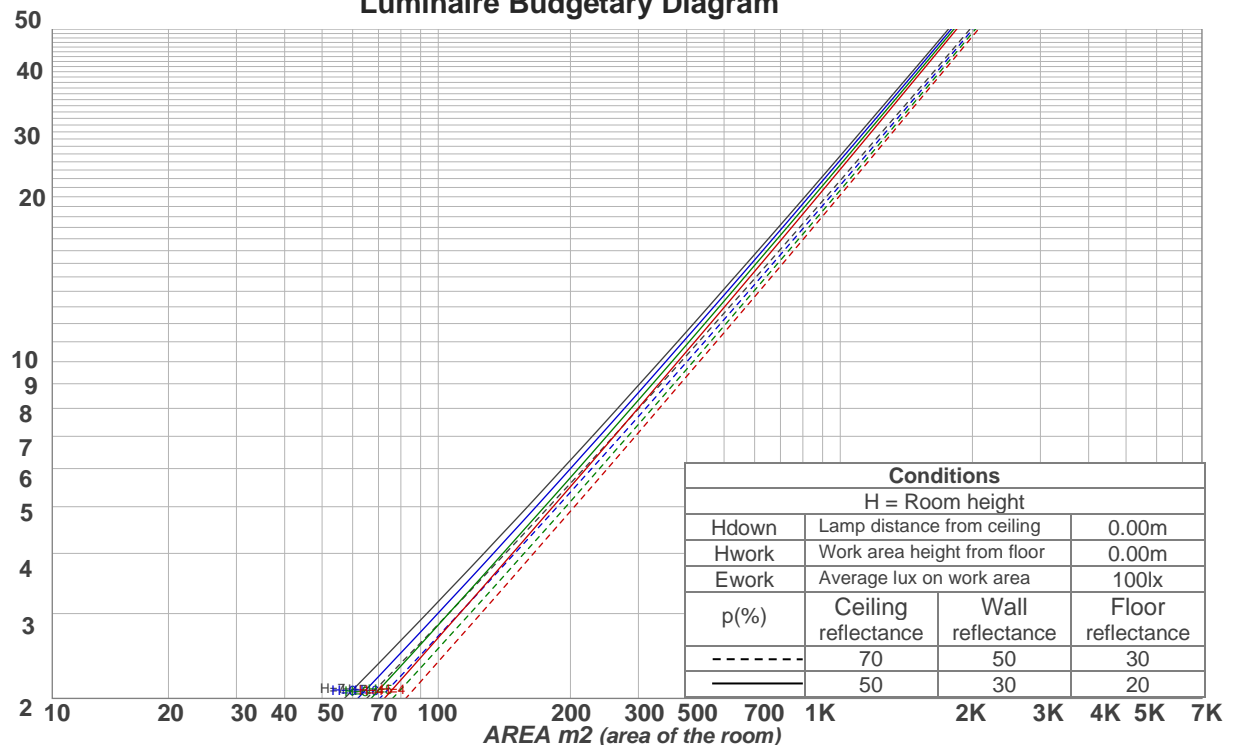
Lux at center:	887 lx
3%	26.61 lx
5%	44.35 lx
10%	88.70 lx
30%	266.10 lx
50%	443.50 lx
<b>Conditions:</b> Number of planes: 8 Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.	

## 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	101	101	101	99
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	104	100	97	106	102	98	95	99	96	93	95	93	91	93	91	89	87
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	88	86	84	82
4	99	92	87	83	97	91	86	82	88	84	81	86	83	80	84	81	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	78	76	81	77	75	73
6	90	82	77	73	89	81	76	73	80	75	72	78	74	71	77	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	69	65	73	68	65	72	67	64	71	67	64	63
9	80	71	66	62	79	70	65	62	69	65	62	69	64	61	68	64	61	60
10	77	68	63	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57

LAMPS (number of lamps)

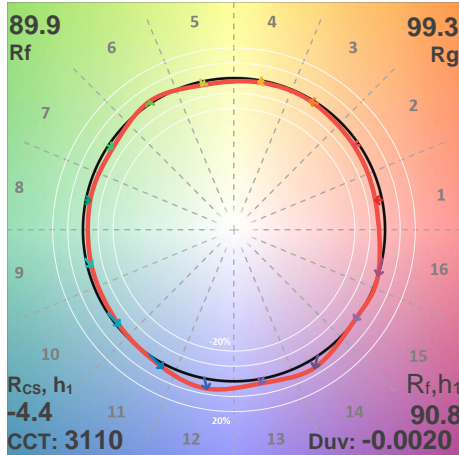
## Luminaire Budgetary Diagram



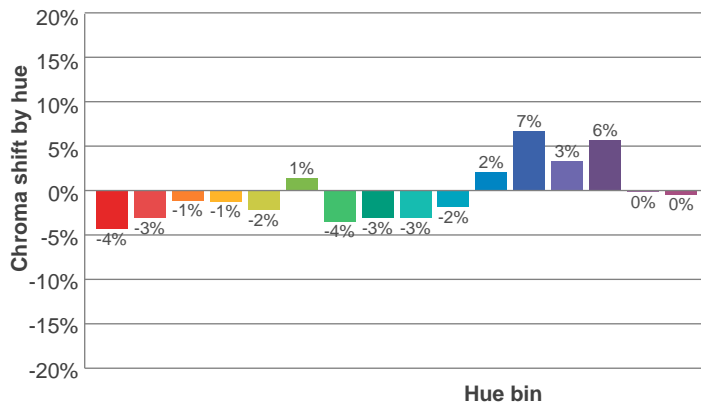
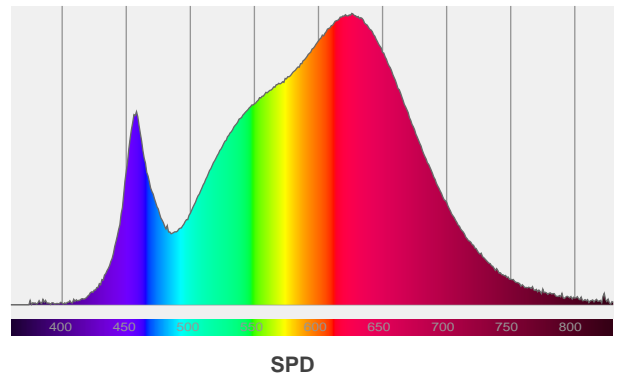
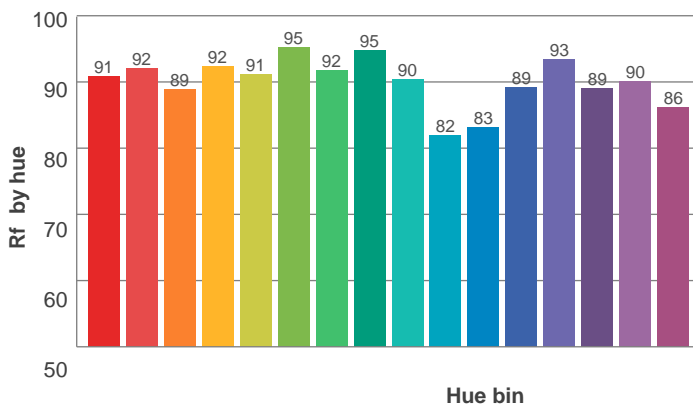
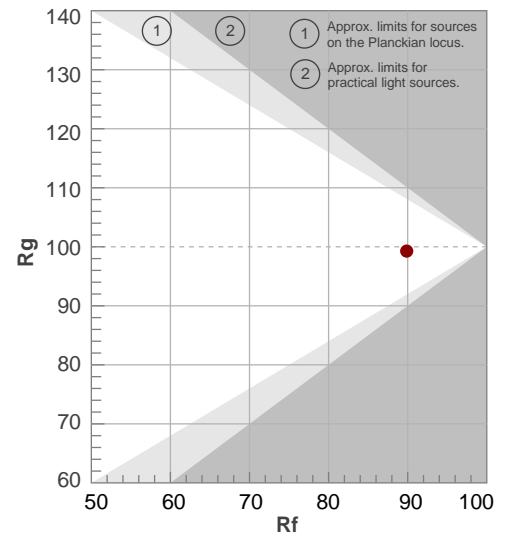
## Photometric Testing Report

ANSI/IES TM-30-18

P: 2 / V: - / F: 3



Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	91	-4%	1%
2	92	-3%	3%
3	89	-1%	5%
4	92	-1%	3%
5	91	-2%	2%
6	95	1%	-1%
7	92	-4%	0%
8	95	-3%	0%
9	90	-3%	6%
10	82	-2%	11%
11	83	2%	12%
12	89	7%	3%
13	93	3%	-3%
14	89	6%	-6%
15	90	0%	-5%
16	86	0%	-11%



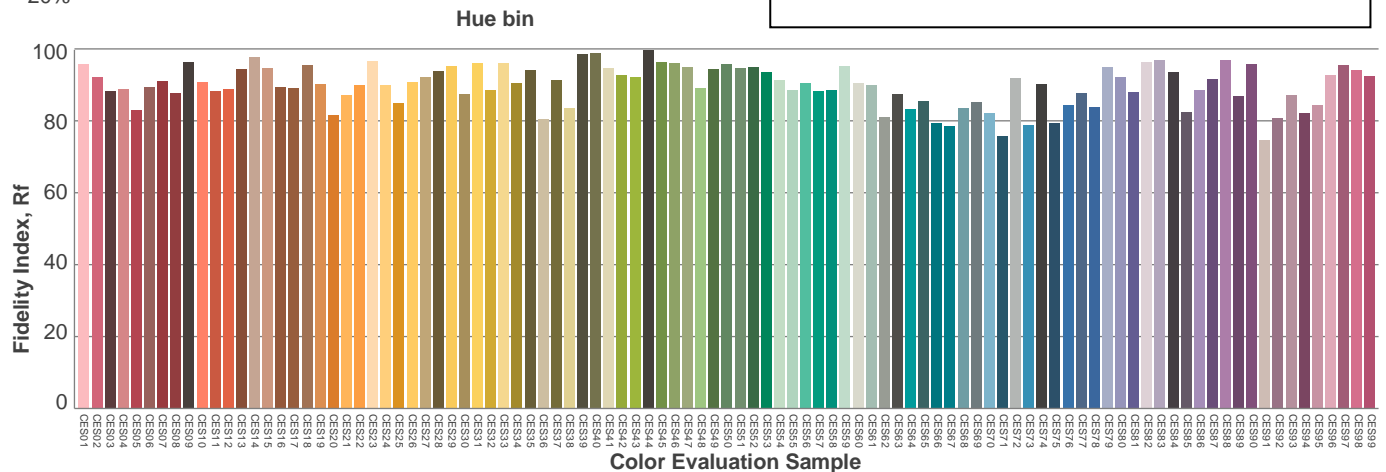
Red: 38.2%, Power=48.1mW

Blue: 10.1%, Power=34.3mW

Green: 23.8%, Power=56.7mW

UVA: 0.1%, Power=1.3mW

Dominant Wavelength: 584nm

1<sup>st</sup> Peak Wavelength: 626nm2<sup>nd</sup> Peak Wavelength: 458nm

### 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	19.4	20.0	19.5	20.2	20.4	19.4	20.0	19.5	20.2	20.4
	3H	19.6	20.3	20.0	20.5	20.7	19.6	20.3	20.0	20.5	20.7
	4H	19.8	20.5	20.2	20.7	21.0	19.8	20.5	20.2	20.7	21.0
	6H	20.1	20.7	20.4	21.0	21.3	20.1	20.7	20.4	21.0	21.3
	8H	20.1	20.7	20.5	21.0	21.4	20.1	20.7	20.5	21.0	21.4
	12H	20.1	20.7	20.5	21.0	21.5	20.1	20.7	20.5	21.0	21.5
4H	2H	19.3	20.0	19.7	20.2	20.4	19.3	20.0	19.7	20.2	20.4
	3H	19.8	20.3	20.2	20.7	21.1	19.8	20.3	20.2	20.7	21.1
	4H	20.1	20.6	20.5	21.0	21.6	20.1	20.6	20.5	21.0	21.6
	6H	20.4	21.0	20.9	21.3	21.7	20.4	21.0	20.9	21.3	21.7
	8H	20.5	21.0	21.0	21.3	21.7	20.5	21.0	21.0	21.3	21.7
	12H	20.5	20.9	21.0	21.3	21.8	20.5	20.9	21.0	21.3	21.8
8H	4H	20.2	20.7	20.7	21.1	21.4	20.2	20.7	20.7	21.1	21.4
	6H	20.7	21.0	21.2	21.5	22.0	20.7	21.0	21.2	21.5	22.0
	8H	20.8	21.1	21.3	21.6	22.2	20.8	21.1	21.3	21.6	22.2
	12H	20.9	21.1	21.5	21.6	22.2	20.9	21.1	21.5	21.6	22.2
12H	4H	20.2	20.6	20.7	21.0	21.5	20.2	20.6	20.7	21.0	21.5
	6H	20.7	21.0	21.2	21.5	22.1	20.7	21.0	21.2	21.5	22.1
	8H	20.8	21.0	21.4	21.6	22.2	20.8	21.0	21.4	21.6	22.2
Variation of the observer position for the luminaire distance S											
S = 1.0H		4.0 / -1.8					4.0 / -1.8				
S = 1.5H		6.5 / -2.0					6.5 / -2.0				
S = 2.0H		8.3 / -2.2					8.3 / -2.2				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 4509 lm total luminous flux											