

## Light efficiency:

83 Lumen/Watt

## Color temperature:

3056 K

## Light quality:

CRI:93.3, R<sub>g</sub>:90.5, R<sub>f</sub>:100.0

P: 2 / V: - / F: 2

Output: 1401 lm

Peak: 2789 cd

Power: 16.9 W

Voltage: 120 V

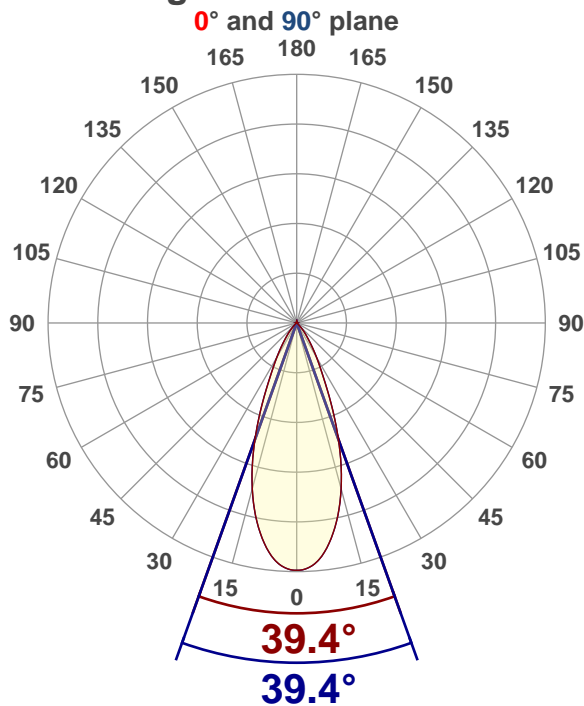
Current: 0.141 A

PF: 0.9

THD: n/a %



## Angular Distribution



Product name:

S4R7WS-B30MC-xx1-xxx

Test Date:

2021-04-12

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

39.4°

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

67.9°

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

86.6°

## Beam Details

\*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	1876 lx	174 fc	2.9 ft / 0.9 m
8 ft / 2.4 m	469 lx	44 fc	5.7 ft / 1.7 m
12 ft / 3.7 m	208 lx	19 fc	8.6 ft / 2.6 m
16 ft / 4.9 m	117 lx	11 fc	11.5 ft / 3.5 m
20 ft / 6.1 m	75 lx	7 fc	14.3 ft / 4.4 m

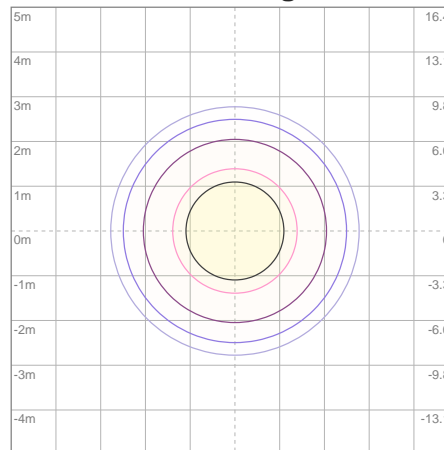
Beam center

# Photometric Testing Report

## Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	1146	81.80%
0-40	1305	93.15%
0-60	1360	97.07%
60-90	17.1	1.22%
70-100	13.4	0.96%
90-120	9.99	0.71%
0-90	1377	98.29%
90-180	23.4	1.67%
0-180	1401	100.00%

## ISO Lux Diagram



Lux at center:	300 lx
3%	9.00 lx
5%	15.00 lx
10%	30.00 lx
30%	90.00 lx
50%	150.00 lx

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

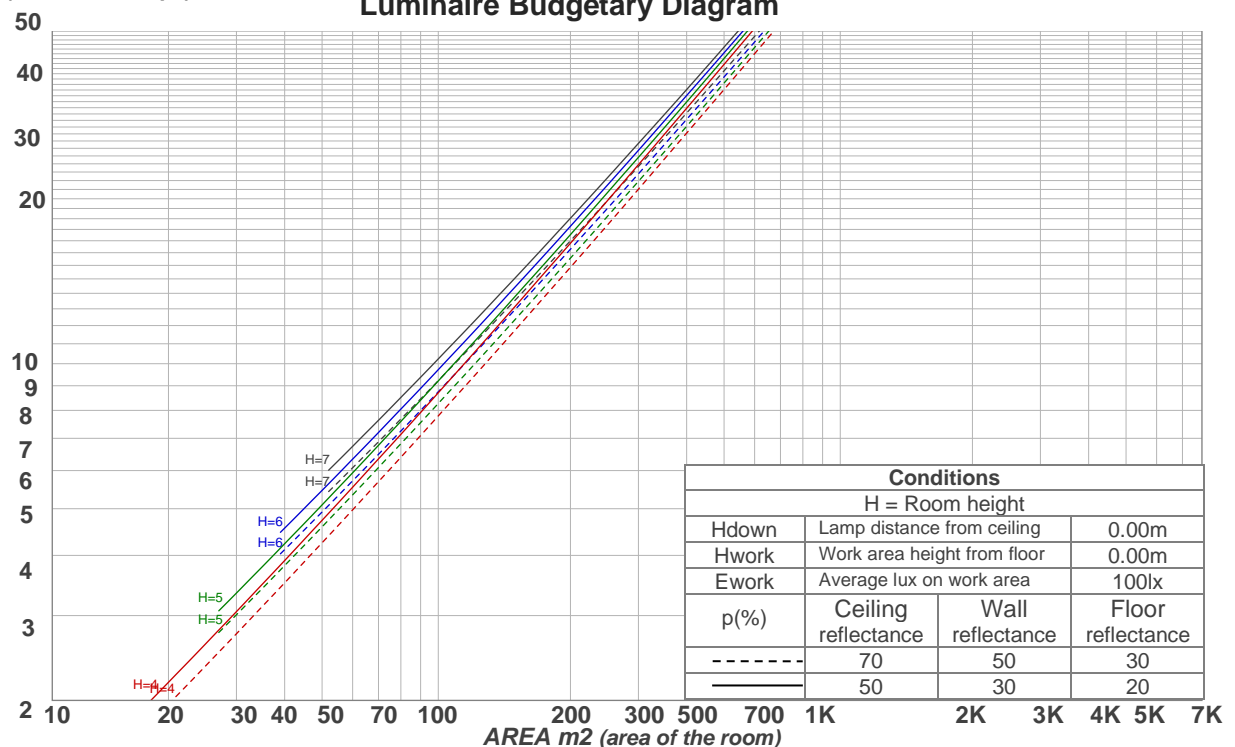
Mounting height: 3.05 meters (10 feet)

## 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	110	110	110	105	105	105	101	101	101	98
1	113	111	109	106	111	109	106	105	104	103	101	100	99	98	97	96	95	93
2	109	104	100	97	106	102	99	96	99	96	94	96	93	91	93	91	89	88
3	104	98	93	90	102	96	92	89	94	90	87	91	88	86	89	86	84	83
4	99	93	88	84	97	91	87	83	89	85	82	87	84	81	85	82	80	78
5	95	88	82	79	93	87	82	78	85	81	77	83	79	77	81	78	76	74
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	71
7	87	79	74	70	86	79	74	70	77	73	70	76	72	69	75	71	69	67
8	84	76	70	67	83	75	70	67	74	69	66	73	69	66	72	68	65	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	65	63	61
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	66	63	60	59

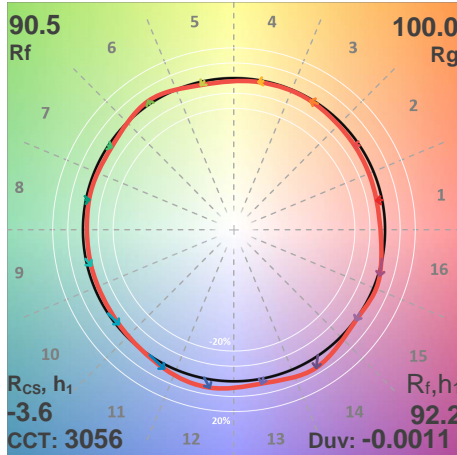
LAMPS (number of lamps)

## Luminaire Budgetary Diagram

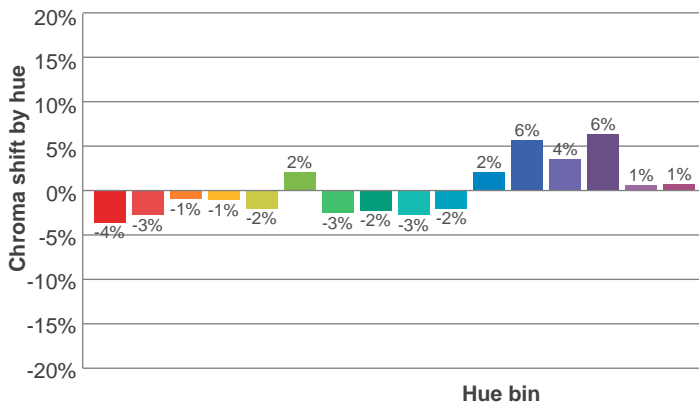
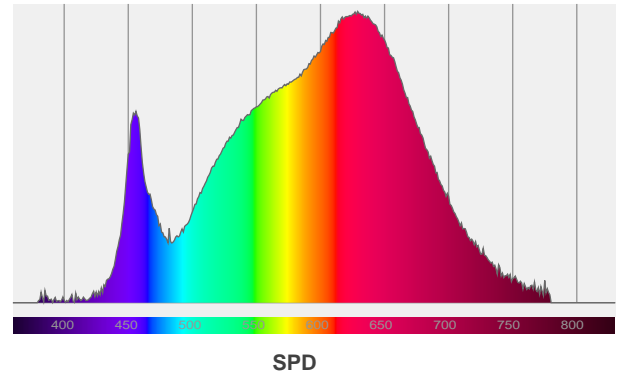
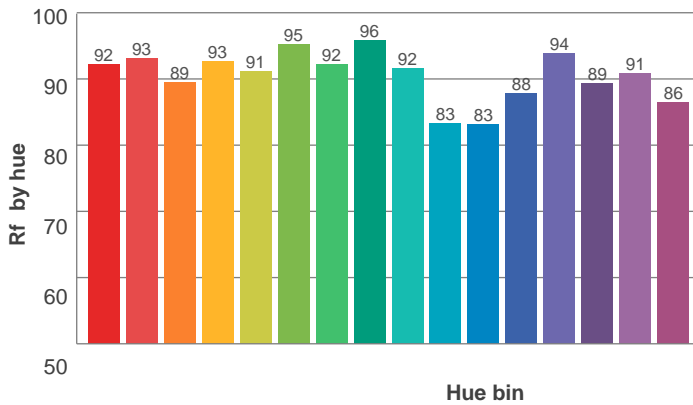
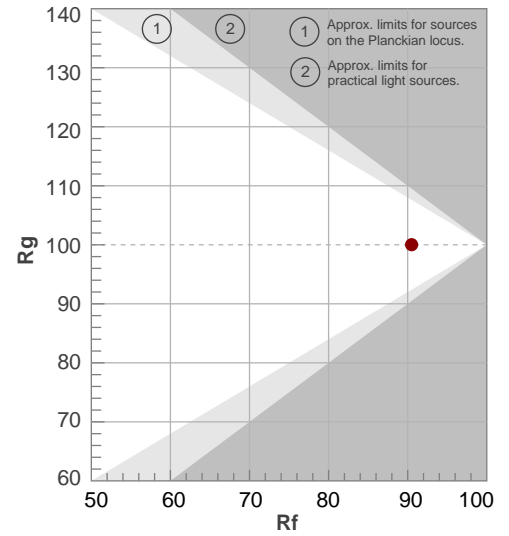


ANSI/IES TM-30-18

P: 2 / V: - / F: 2



Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	92	-4%	0%
2	93	-3%	2%
3	89	-1%	5%
4	93	-1%	3%
5	91	-2%	3%
6	95	2%	0%
7	92	-3%	-1%
8	96	-2%	-1%
9	92	-3%	5%
10	83	-2%	10%
11	83	2%	13%
12	88	6%	5%
13	94	4%	-2%
14	89	6%	-5%
15	91	1%	-5%
16	86	1%	-11%



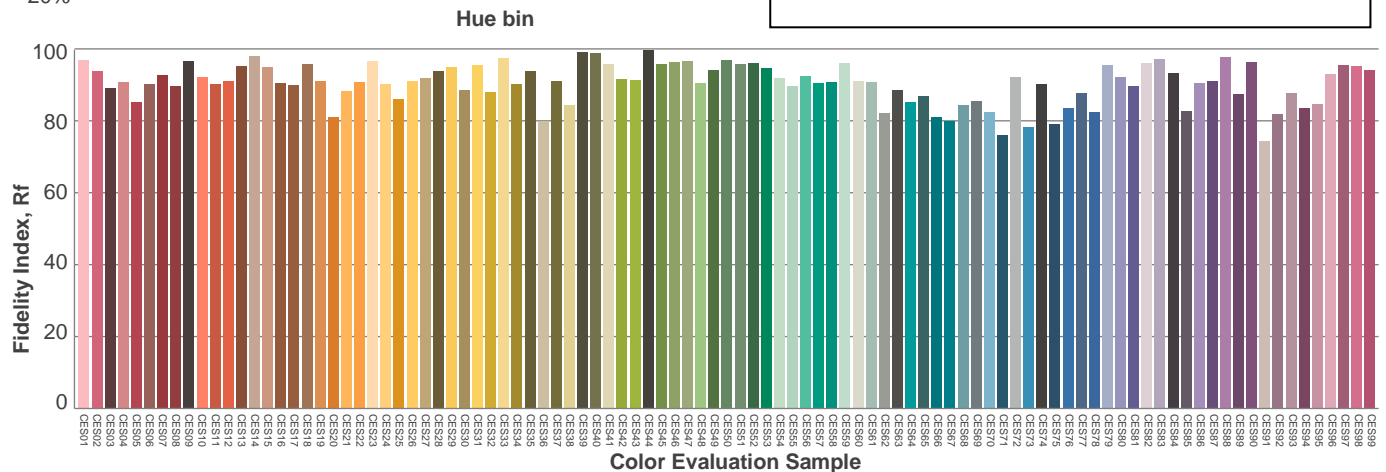
Red: 39.8%, Power=15.9mW

Blue: 9.4%, Power=9.0mW

Green: 23.9%, Power=17.6mW

UVA: 0.2%, Power=0.0mW

Dominant Wavelength: 584nm

1<sup>st</sup> Peak Wavelength: 629nm2<sup>nd</sup> Peak Wavelength: 456nm

**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	15.9	16.4	16.0	16.6	16.9	15.9	16.4	16.0	16.6	16.9
	3H	15.7	16.4	16.1	16.6	16.8	15.7	16.4	16.1	16.6	16.8
	4H	15.8	16.4	16.2	16.7	16.9	15.8	16.4	16.2	16.7	16.9
	6H	16.0	16.5	16.3	16.8	17.2	16.0	16.5	16.3	16.8	17.2
	8H	16.1	16.6	16.4	16.9	17.4	16.1	16.6	16.4	16.9	17.4
	12H	16.2	16.7	16.6	17.1	17.6	16.2	16.7	16.6	17.1	17.6
4H	2H	15.5	16.2	16.0	16.5	16.7	15.5	16.2	16.0	16.5	16.7
	3H	15.7	16.2	16.0	16.5	17.0	15.7	16.2	16.0	16.5	17.0
	4H	15.7	16.2	16.2	16.7	17.2	15.7	16.2	16.2	16.7	17.2
	6H	16.0	16.5	16.5	16.9	17.2	16.0	16.5	16.5	16.9	17.2
	8H	16.2	16.7	16.7	17.0	17.4	16.2	16.7	16.7	17.0	17.4
	12H	16.5	16.8	17.0	17.3	17.8	16.5	16.8	17.0	17.3	17.8
8H	4H	15.7	16.2	16.3	16.6	17.0	15.7	16.2	16.3	16.6	17.0
	6H	16.2	16.5	16.7	17.0	17.5	16.2	16.5	16.7	17.0	17.5
	8H	16.5	16.8	17.1	17.3	18.0	16.5	16.8	17.1	17.3	18.0
	12H	17.0	17.2	17.6	17.7	18.4	17.0	17.2	17.6	17.7	18.4
12H	4H	15.7	16.1	16.2	16.5	17.0	15.7	16.1	16.2	16.5	17.0
	6H	16.2	16.5	16.8	17.0	17.7	16.2	16.5	16.8	17.0	17.7
	8H	16.6	16.8	17.2	17.4	18.0	16.6	16.8	17.2	17.4	18.0
Variation of the observer position for the luminaire distance S											
S = 1.0H		3.1 / -1.9					3.1 / -1.9				
S = 1.5H		5.4 / -2.1					5.4 / -2.1				
S = 2.0H		7.2 / -2.3					7.2 / -2.3				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1401 lm total luminous flux											