

Light efficiency:

70 Lumen/Watt

Color temperature:

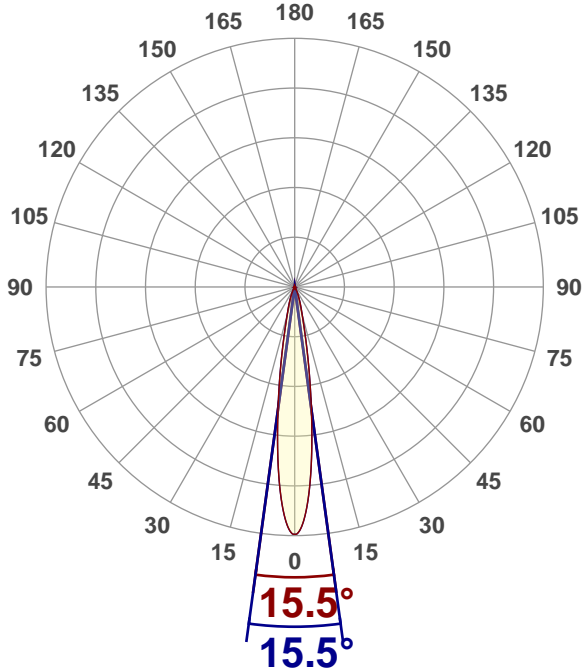
3005 K

Light quality:

CRI:93.5, R_g:90.7, R_f:100.0**P: 2 / V: - / F: 2****Output: 2247 lm****Peak: 19828 cd****Power: 32.3 W****Voltage: 120 V****Current: 0.269 A****PF: 0.9****THD: n/a %**

Angular Distribution

0° and 90° plane



Product name:

S4RGWS-D30SC-xx1-xxx

Test Date:

2020-05-26

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

15.5°

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

32.1°

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

49.5°

Beam Details

*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	13339 lx	1239 fc	1.1 ft / 0.3 m
8 ft / 2.4 m	3335 lx	310 fc	2.2 ft / 0.7 m
12 ft / 3.7 m	1482 lx	138 fc	3.3 ft / 1 m
16 ft / 4.9 m	834 lx	77 fc	4.4 ft / 1.3 m
20 ft / 6.1 m	534 lx	50 fc	5.5 ft / 1.7 m

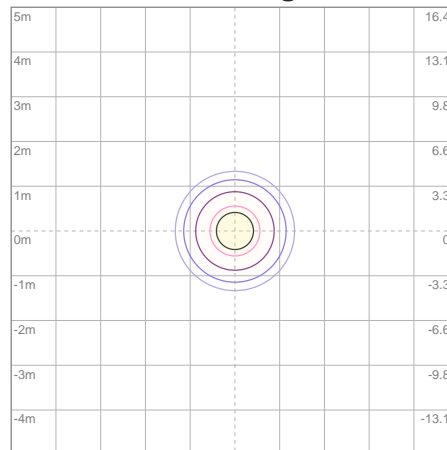
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	2086	92.83%
0-40	2166	96.40%
0-60	2218	98.71%
60-90	11.8	0.53%
70-100	8.90	0.40%
90-120	7.19	0.32%
0-90	2229	99.20%
90-180	17.3	0.77%
0-180	2247	100.00%

ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

Lux at center:	2131 lx
3%	63.93 lx
5%	106.55 lx
10%	213.10 lx
30%	639.30 lx
50%	1065.50 lx

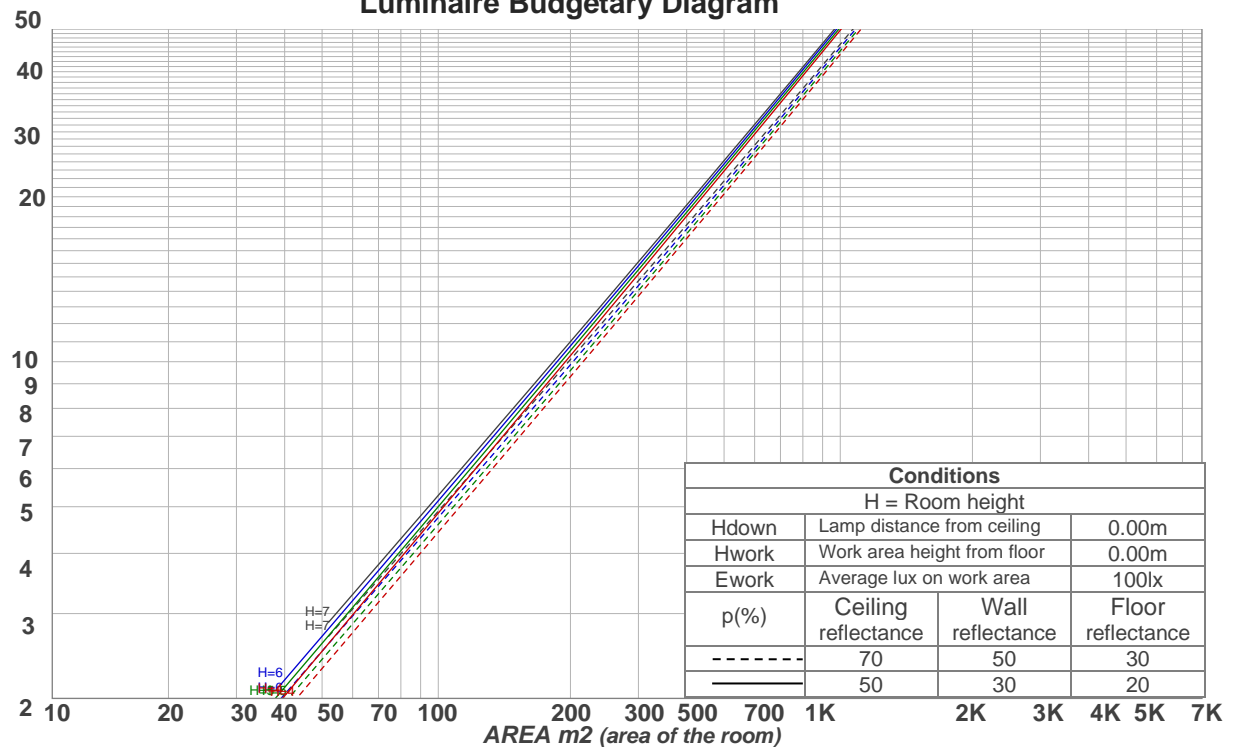
Conditions:
Number of planes: 8
Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

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	101	101	101	99
1	115	113	111	109	113	111	109	108	107	105	104	103	102	101	99	99	98	96
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	97	96	95	94
3	108	104	100	98	106	103	99	97	100	97	95	98	96	94	95	94	92	91
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	93	92	90	89
5	103	97	93	90	101	96	93	90	95	92	89	93	90	88	92	89	88	87
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	87	86	85
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83
8	95	89	86	83	94	89	85	83	88	85	83	87	84	82	86	84	82	81
9	93	87	84	81	93	87	83	81	86	83	81	85	83	81	85	82	80	79
10	91	85	82	80	91	85	82	79	84	81	79	84	81	79	83	81	79	78

LAMPS (number of lamps)

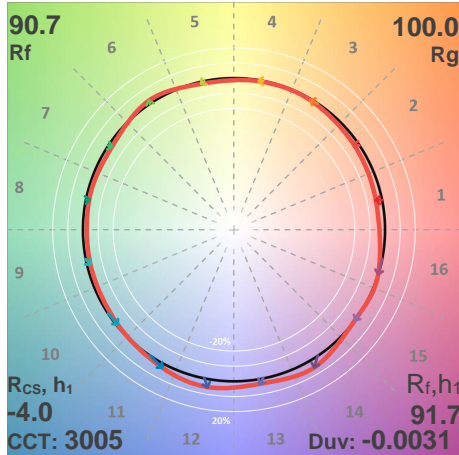
Luminaire Budgetary Diagram



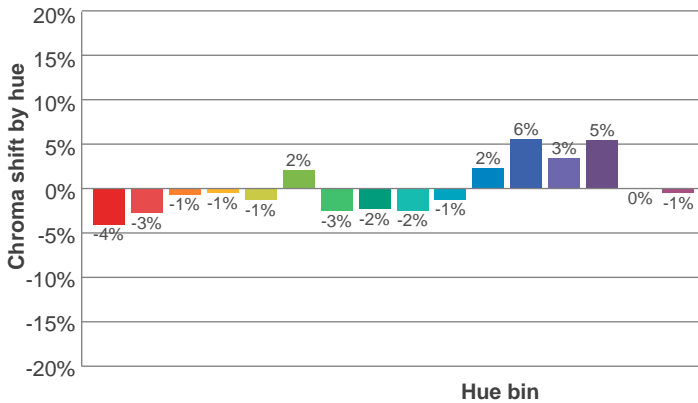
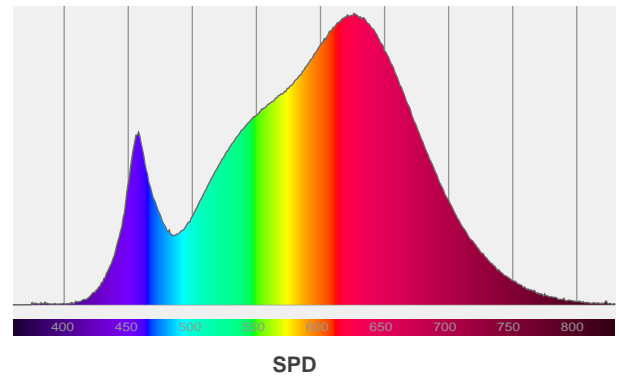
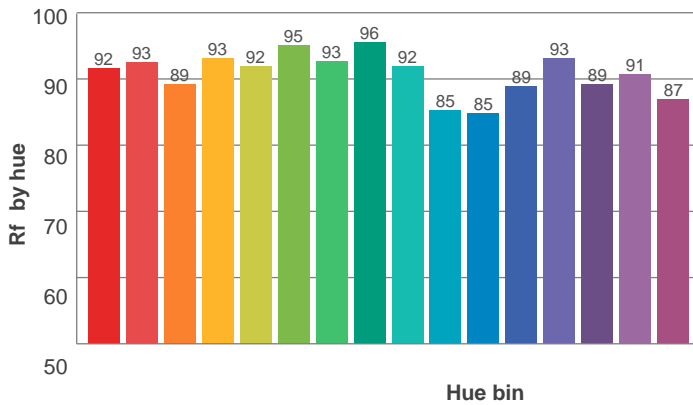
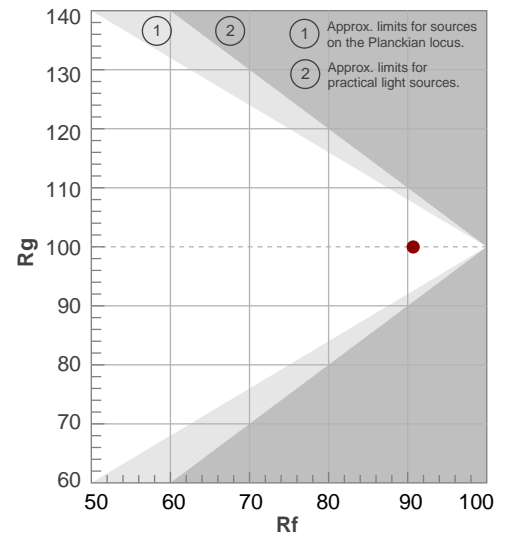
Photometric Testing Report

ANSI/IES TM-30-18

P: 2 / V: - / F: 2



Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	92	-4%	1%
2	93	-3%	3%
3	89	-1%	5%
4	93	-1%	3%
5	92	-1%	2%
6	95	2%	-1%
7	93	-3%	-1%
8	96	-2%	-1%
9	92	-2%	4%
10	85	-1%	10%
11	85	2%	11%
12	89	6%	3%
13	93	3%	-3%
14	89	5%	-6%
15	91	0%	-5%
16	87	-1%	-10%



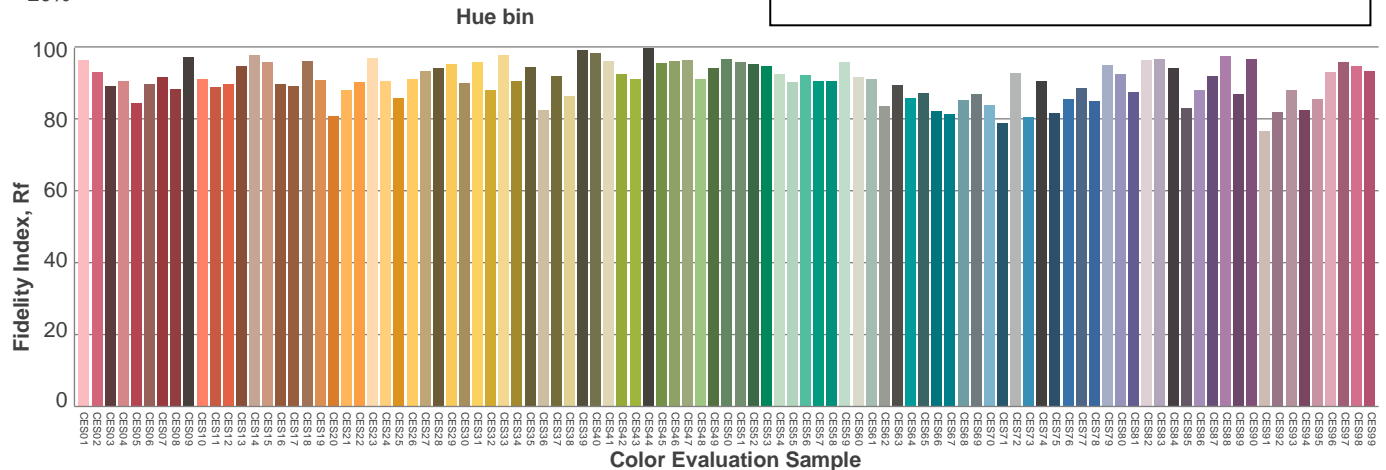
Red: 39.6%, Power=25.4mW

Blue: 9.7%, Power=16.5mW

Green: 23.1%, Power=27.6mW

UVA: 0.1%, Power=0.4mW

Dominant Wavelength: 585nm

1st Peak Wavelength: 626nm2nd 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	10.4	10.7	10.4	10.9	11.1	10.4	10.7	10.4	10.9	11.1
	3H	10.2	10.8	10.6	11.0	11.1	10.2	10.8	10.6	11.0	11.1
	4H	10.2	10.8	10.6	11.0	11.2	10.2	10.8	10.6	11.0	11.2
	6H	10.5	10.9	10.8	11.2	11.5	10.5	10.9	10.8	11.2	11.5
	8H	10.6	11.0	10.9	11.3	11.7	10.6	11.0	10.9	11.3	11.7
	12H	10.7	11.1	11.1	11.5	11.9	10.7	11.1	11.1	11.5	11.9
4H	2H	10.1	10.6	10.5	10.8	11.1	10.1	10.6	10.5	10.8	11.1
	3H	10.2	10.6	10.6	11.0	11.4	10.2	10.6	10.6	11.0	11.4
	4H	10.2	10.6	10.7	11.1	11.6	10.2	10.6	10.7	11.1	11.6
	6H	10.5	11.0	11.0	11.3	11.6	10.5	11.0	11.0	11.3	11.6
	8H	10.7	11.1	11.3	11.5	11.9	10.7	11.1	11.3	11.5	11.9
	12H	11.0	11.3	11.5	11.7	12.2	11.0	11.3	11.5	11.7	12.2
8H	4H	10.2	10.6	10.7	11.0	11.3	10.2	10.6	10.7	11.0	11.3
	6H	10.7	10.9	11.2	11.4	11.9	10.7	10.9	11.2	11.4	11.9
	8H	11.1	11.3	11.6	11.8	12.4	11.1	11.3	11.6	11.8	12.4
	12H	11.5	11.7	12.1	12.2	12.8	11.5	11.7	12.1	12.2	12.8
12H	4H	10.2	10.5	10.7	10.9	11.4	10.2	10.5	10.7	10.9	11.4
	6H	10.8	11.0	11.3	11.5	12.1	10.8	11.0	11.3	11.5	12.1
	8H	11.2	11.3	11.8	11.9	12.5	11.2	11.3	11.8	11.9	12.5
Variation of the observer position for the luminaire distance S											
S = 1.0H		1.8 / -1.6					1.8 / -1.6				
S = 1.5H		3.7 / -2.0					3.7 / -2.0				
S = 2.0H		5.3 / -2.2					5.3 / -2.2				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 2247 lm total luminous flux											