

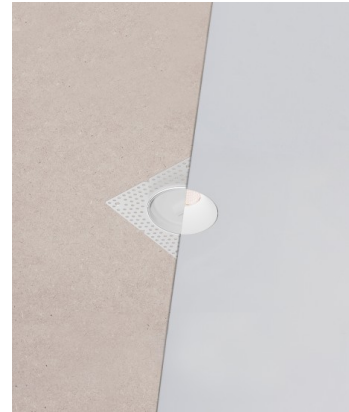
Light efficiency:

79 Lumen/Watt

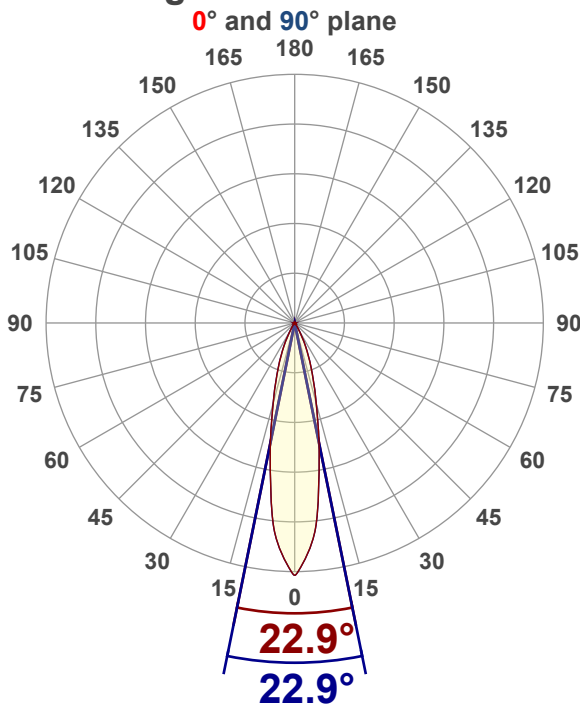
Color temperature:

3088 K

Light quality:

CRI:93.4, R_g:102.8, R_f:91.6**R9: 73.5 / P: 2 / V: - / F: 2****Output: 881 lm****Peak: 3906 cd****Power: 11.2 W****Voltage: 120 V****Current: 0.095 A****PF: 0.98****THD: 7.75 %**

Angular Distribution



Product name:

S241XX-A30SC-TX-XX

Test Date:

8/21/2026

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

22.9°

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

50.4°

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

64°

Beam Details

*measured at centre of beam

Mounting Height (feet)\(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	2628 lx	244 fc	1.6 ft / 0.5 m
8 ft / 2.4 m	657 lx	61 fc	3.2 ft / 1 m
12 ft / 3.7 m	292 lx	27 fc	4.9 ft / 1.5 m
16 ft / 4.9 m	164 lx	15 fc	6.5 ft / 2 m
20 ft / 6.1 m	105 lx	10 fc	8.1 ft / 2.5 m

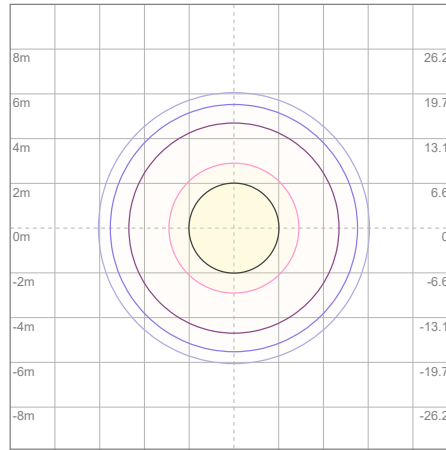
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	842	95.57%
0-40	874	99.21%
0-60	880	99.89%
60-90	0.857	0.10%
70-100	0.175	0.02%
90-120	0.061	0.01%
0-90	881	100.00%
90-180	0.456	0.05%
0-180	881	100.00%

ISO Lux Diagram



Lux at center:	420 lx
3%	12.60 lx
5%	21.00 lx
10%	42.00 lx
30%	126.00 lx
50%	210.00 lx

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

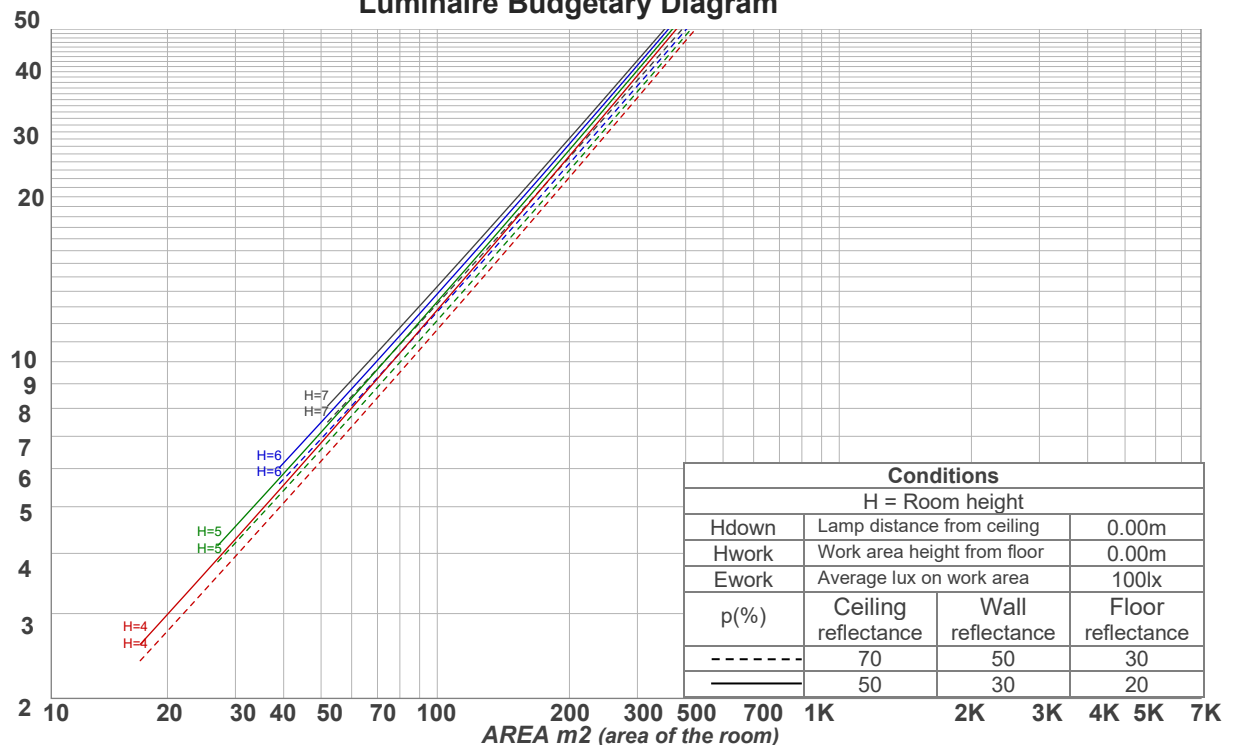
Mounting height: 3.05 meters (10 feet)

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	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	102	100	98	100	98	96	97	96	94	93
3	107	103	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	91	95	92	90	93	91	89	92	89	88	86
5	101	94	90	87	99	94	90	87	92	89	86	90	88	85	89	87	85	83
6	97	91	87	84	96	90	86	83	89	85	83	88	85	82	87	84	82	81
7	95	88	84	81	93	87	83	80	86	83	80	85	82	80	84	81	79	78
8	92	85	81	78	91	84	80	78	84	80	77	83	79	77	82	79	77	76
9	89	82	78	75	88	82	78	75	81	77	75	80	77	75	80	77	74	73
10	87	80	76	73	86	79	75	73	79	75	73	78	75	72	77	74	72	71

LAMPS (number of lamps)

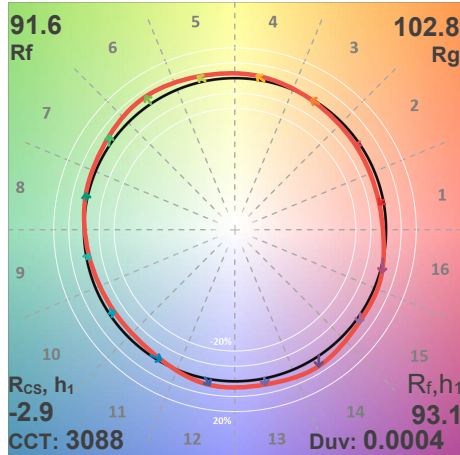
Luminaire Budgetary Diagram



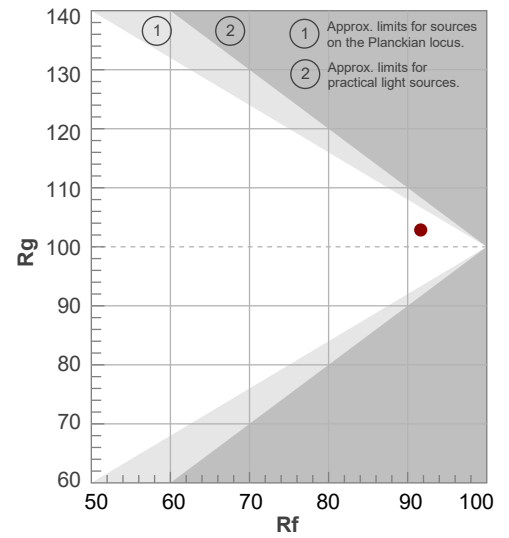
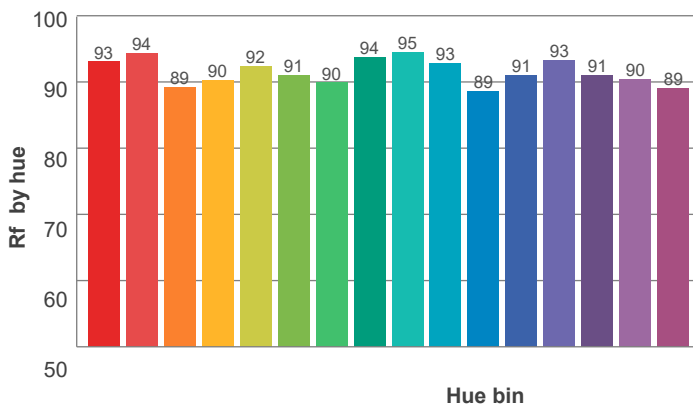
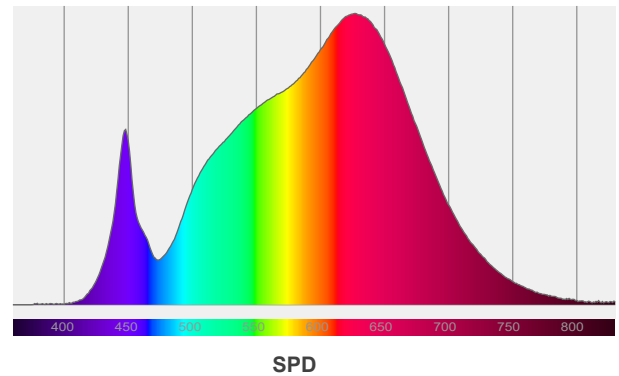
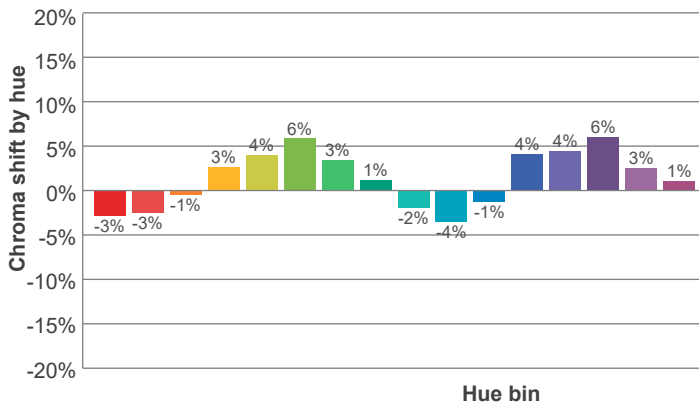
Conditions			
H = Room height			
Hdown	Lamp distance from ceiling	0.00m	
Hwork	Work area height from floor	0.00m	
Ework	Average lux on work area	100lx	
p(%)	Ceiling reflectance	Wall reflectance	Floor reflectance
-----	70	50	30
-----	50	30	20

ANSI/IES TM-30-18

P: 2 / V: - / F: 2



Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	93	-3%	-2%
2	94	-3%	2%
3	89	-1%	6%
4	90	3%	5%
5	92	4%	4%
6	91	6%	0%
7	90	3%	-5%
8	94	1%	-4%
9	95	-2%	-2%
10	93	-4%	1%
11	89	-1%	7%
12	91	4%	4%
13	93	4%	0%
14	91	6%	-4%
15	90	3%	-6%
16	89	1%	-9%



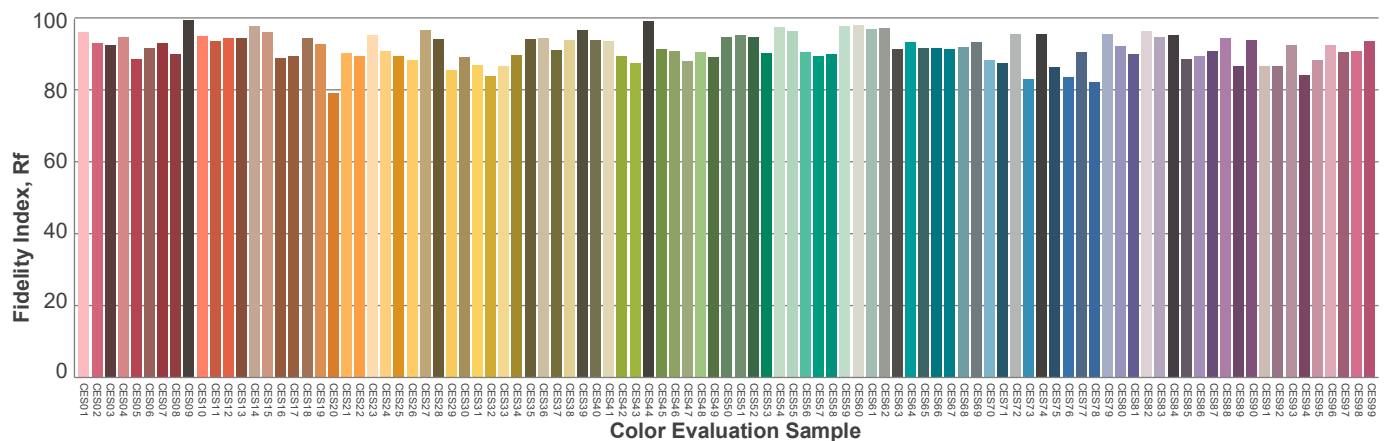
Red: 39.2%, Power=9.7mW

Blue: 6.6%, Power=2.9mW

Green: 24.9%, Power=11.1mW

UVA: 0%, Power=0.0mW

Dominant Wavelength: 583nm

1st Peak Wavelength: 627nm2nd Peak Wavelength: 448nm

Glare Evaluation According to UGR

Corrected, comprehensive UGR table according to 117-1995, S/H ratio=0.25

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 H = mounting height above eye level X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	11.8	12.2	11.8	12.4	12.6	11.8	12.2	11.8	12.4	12.6
	3H	11.5	12.0	11.8	12.2	12.4	11.5	12.0	11.8	12.2	12.4
	4H	11.4	11.9	11.8	12.2	12.4	11.4	11.9	11.8	12.2	12.4
	6H	11.4	11.8	11.7	12.1	12.5	11.4	11.8	11.7	12.1	12.5
	8H	11.3	11.8	11.6	12.1	12.5	11.3	11.8	11.6	12.1	12.5
	12H	11.3	11.7	11.6	12.1	12.5	11.3	11.7	11.6	12.1	12.5
4H	2H	11.4	12.0	11.8	12.2	12.4	11.4	12.0	11.8	12.2	12.4
	3H	11.3	11.7	11.6	12.1	12.5	11.3	11.7	11.6	12.1	12.5
	4H	11.2	11.6	11.6	12.0	12.5	11.2	11.6	11.6	12.0	12.5
	6H	11.1	11.5	11.6	11.9	12.2	11.1	11.5	11.6	11.9	12.2
	8H	11.0	11.4	11.5	11.8	12.1	11.0	11.4	11.5	11.8	12.1
	12H	10.9	11.3	11.4	11.7	12.1	10.9	11.3	11.4	11.7	12.1
8H	4H	11.0	11.4	11.5	11.8	12.1	11.0	11.4	11.5	11.8	12.1
	6H	10.9	11.2	11.4	11.7	12.2	10.9	11.2	11.4	11.7	12.2
	8H	10.9	11.1	11.4	11.7	12.3	10.9	11.1	11.4	11.7	12.3
	12H	10.9	11.0	11.5	11.5	12.1	10.9	11.0	11.5	11.5	12.1
12H	4H	10.9	11.3	11.4	11.7	12.1	10.9	11.3	11.4	11.7	12.1
	6H	10.9	11.1	11.4	11.7	12.3	10.9	11.1	11.4	11.7	12.3
	8H	10.9	11.0	11.5	11.5	12.1	10.9	11.0	11.5	11.5	12.1
Variation of the observer position for the luminaire distance S											
S = 1.0H		6.5 / -10.1					6.5 / -10.1				
S = 1.5H		9.3 / -12.1					9.3 / -12.1				
S = 2.0H		11.3 / -15.4					11.3 / -15.4				
Corrected glare indices referring to 881 lm total luminous flux											