

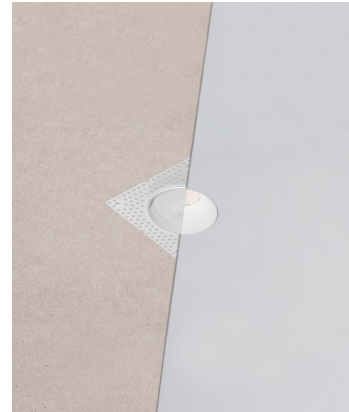
Light efficiency:

75 Lumen/Watt

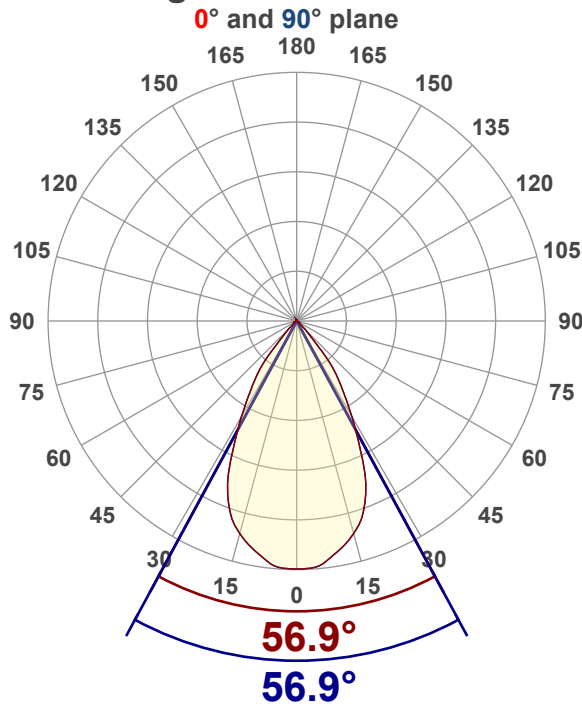
Color temperature:

3116 K

Light quality:

CRI:93.0, R_g:102.8, R_f:91.2**R9: 70.8 / P: 2 / V: - / F: 2****Output: 1535 lm****Peak: 1769 cd****Power: 20.4 W****Voltage: 121 V****Current: 0.171 A****PF: 0.99****THD: 6.26 %**

Angular Distribution



Product name:

S241XX-E30WC-TX-XX

Test Date:

8/24/2026

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

56.9°

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

84°

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

94.5°

Beam Details

*measured at centre of beam

Mounting Height (feet)\(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	1190 lx	111 fc	4.3 ft / 1.3 m
8 ft / 2.4 m	298 lx	28 fc	8.7 ft / 2.6 m
12 ft / 3.7 m	132 lx	12 fc	13 ft / 4 m
16 ft / 4.9 m	74 lx	7 fc	17.3 ft / 5.3 m
20 ft / 6.1 m	48 lx	4 fc	21.7 ft / 6.6 m

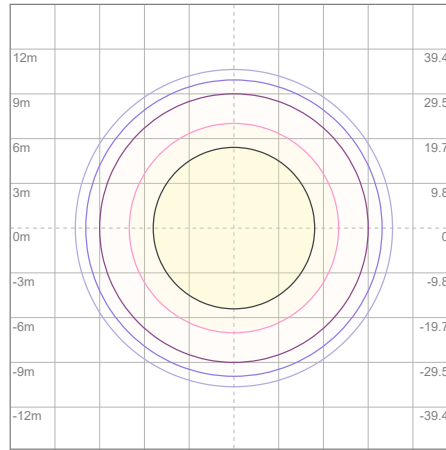
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	1113	72.51%
0-40	1447	94.27%
0-60	1529	99.61%
60-90	4.67	0.30%
70-100	1.40	0.09%
90-120	0.079	0.01%
0-90	1534	99.93%
90-180	0.802	0.05%
0-180	1535	100.00%

ISO Lux Diagram



Lux at center:	190 lx
3%	5.70 lx
5%	9.50 lx
10%	19.00 lx
30%	57.00 lx
50%	95.00 lx

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

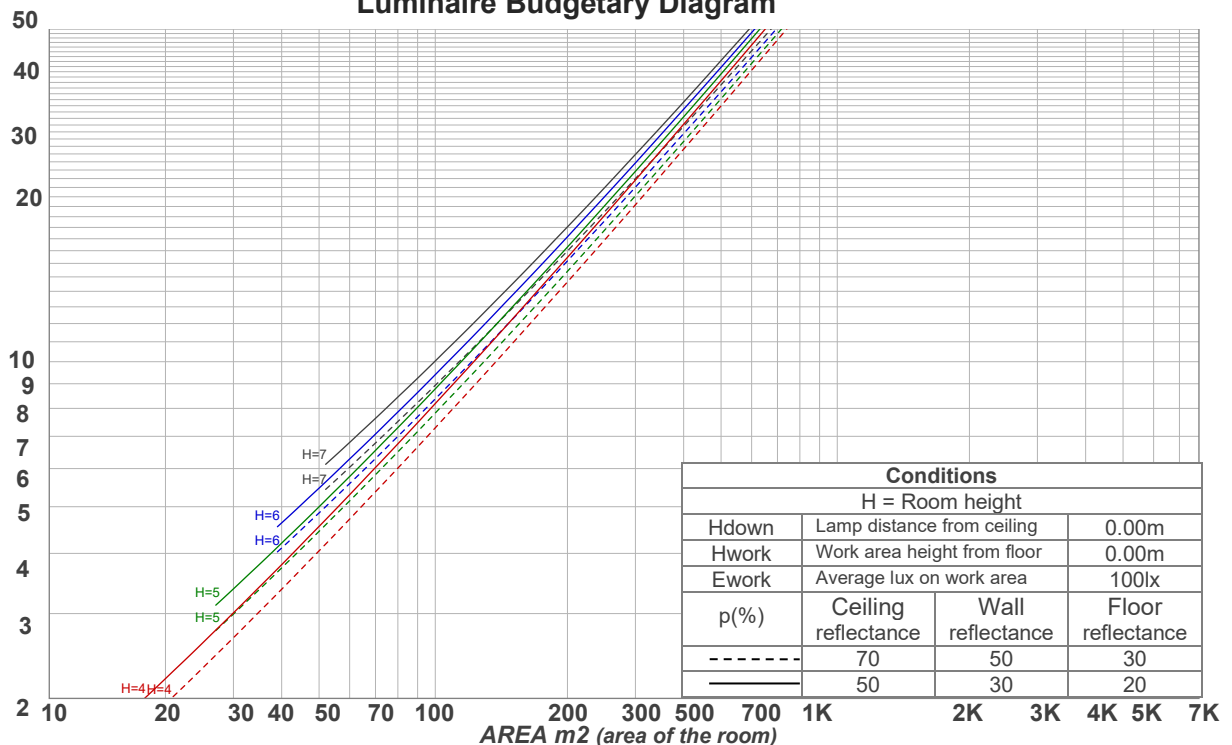
Mounting height: 3.05 meters (10 feet)

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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	56	63	59	56	55
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52

LAMPS (number of lamps)

Luminaire Budgetary Diagram

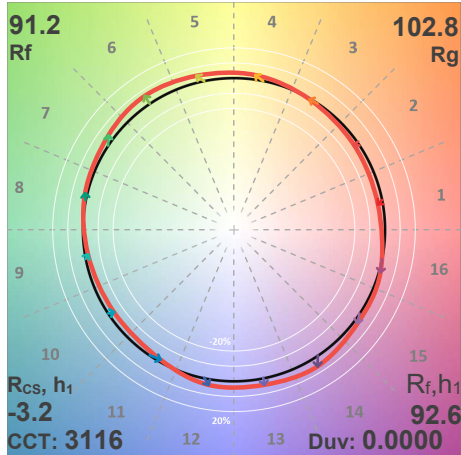


Conditions		
H = Room height		
Hdown	Lamp distance from ceiling	0.00m
Hwork	Work area height from floor	0.00m
Ework	Average lux on work area	100lx
p(%)	Ceiling reflectance	Wall reflectance
-----	70	50
-----	50	30
-----		20

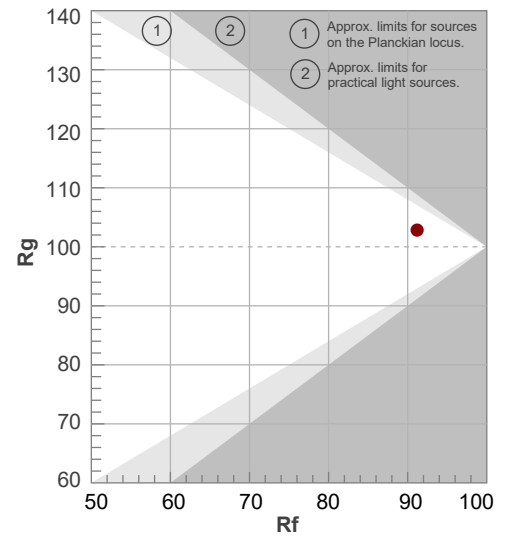
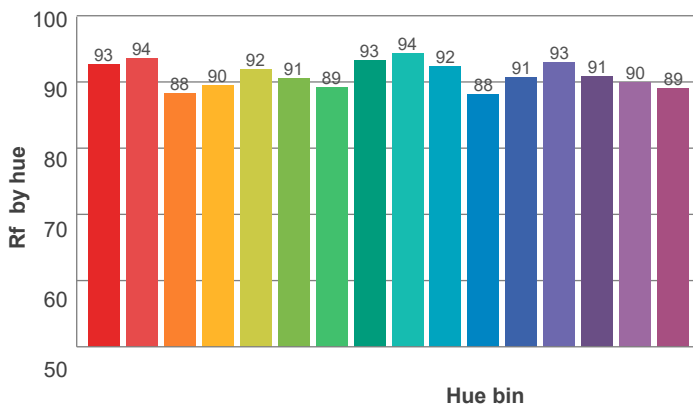
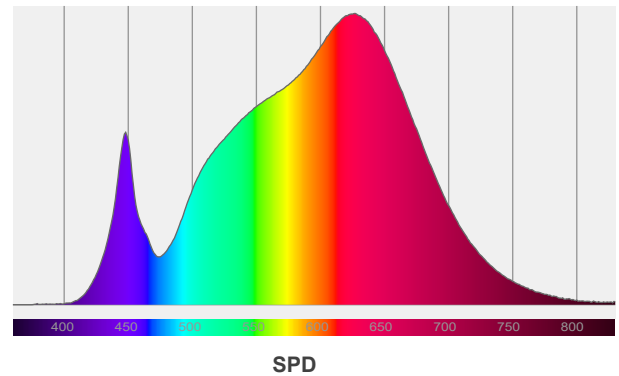
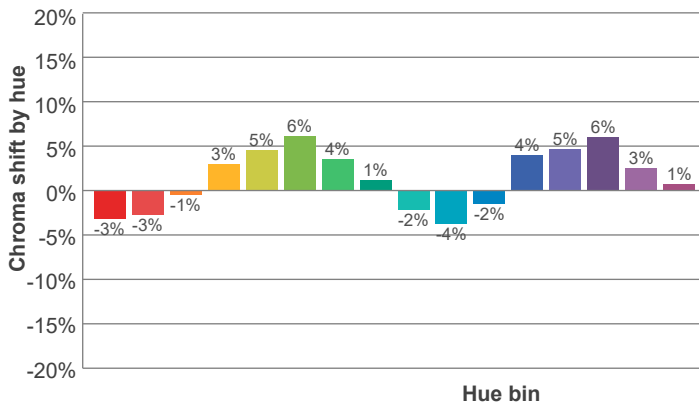
Photometric Testing Report

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	88	-1%	6%
4	90	3%	6%
5	92	5%	4%
6	91	6%	0%
7	89	4%	-6%
8	93	1%	-4%
9	94	-2%	-3%
10	92	-4%	1%
11	88	-2%	7%
12	91	4%	4%
13	93	5%	0%
14	91	6%	-4%
15	90	3%	-6%
16	89	1%	-9%



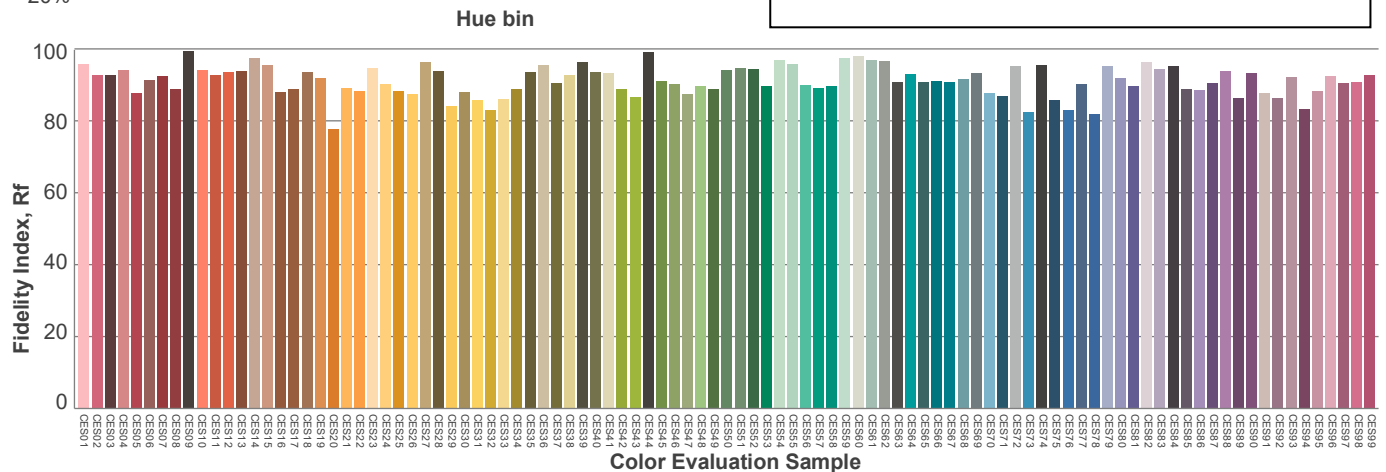
Red: 38.5%, Power=16.4mW

Blue: 6.8%, Power=5.4mW

Green: 25%, Power=19.3mW

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	25.7	26.4	25.8	26.6	26.8	25.7	26.4	25.8	26.6	26.8
	3H	25.4	26.2	25.8	26.4	26.6	25.4	26.2	25.8	26.4	26.6
	4H	25.3	26.1	25.7	26.3	26.5	25.3	26.1	25.7	26.3	26.5
	6H	25.3	25.9	25.6	26.2	26.6	25.3	25.9	25.6	26.2	26.6
	8H	25.3	25.9	25.6	26.2	26.6	25.3	25.9	25.6	26.2	26.6
	12H	25.2	25.8	25.6	26.2	26.6	25.2	25.8	25.6	26.2	26.6
4H	2H	25.3	26.1	25.7	26.3	26.5	25.3	26.1	25.7	26.3	26.5
	3H	25.2	25.8	25.6	26.2	26.6	25.2	25.8	25.6	26.2	26.6
	4H	25.1	25.6	25.5	26.0	26.6	25.1	25.6	25.5	26.0	26.6
	6H	25.0	25.6	25.5	25.9	26.3	25.0	25.6	25.5	25.9	26.3
	8H	25.0	25.5	25.5	25.8	26.2	25.0	25.5	25.5	25.8	26.2
	12H	24.9	25.3	25.4	25.7	26.2	24.9	25.3	25.4	25.7	26.2
8H	4H	25.0	25.5	25.5	25.8	26.2	25.0	25.5	25.5	25.8	26.2
	6H	24.9	25.2	25.4	25.7	26.2	24.9	25.2	25.4	25.7	26.2
	8H	24.9	25.2	25.4	25.7	26.3	24.9	25.2	25.4	25.7	26.3
	12H	24.8	25.1	25.4	25.6	26.2	24.8	25.1	25.4	25.6	26.2
12H	4H	24.9	25.3	25.4	25.7	26.2	24.9	25.3	25.4	25.7	26.2
	6H	24.9	25.2	25.4	25.7	26.3	24.9	25.2	25.4	25.7	26.3
	8H	24.8	25.1	25.4	25.6	26.2	24.8	25.1	25.4	25.6	26.2
Variation of the observer position for the luminaire distance S											
S = 1.0H		4.7 / -14.1					4.7 / -14.1				
S = 1.5H		7.3 / -16.3					7.3 / -16.3				
S = 2.0H		9.3 / -18.0					9.3 / -18.0				
Corrected glare indices referring to 1535 lm total luminous flux											