

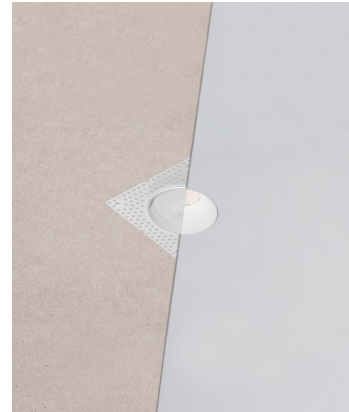
Light efficiency:

61 Lumen/Watt

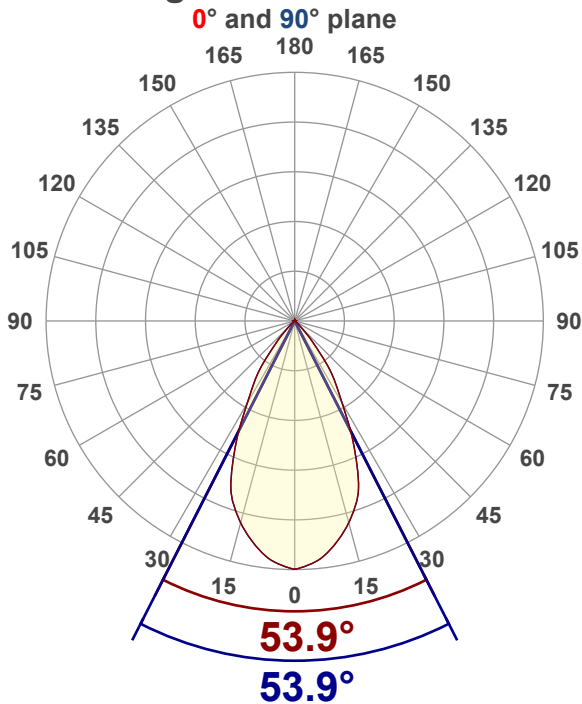
Color temperature:

3139 K

Light quality:

CRI:93.1, R_g:102.1, R_f:91.2**R9: 73.7 / P: 2 / V: - / F: 2****Output: 1118 lm****Peak: 1413 cd****Power: 18.5 W****Voltage: 119 V****Current: 0.157 A****PF: 0.99****THD: 11.95 %**

Angular Distribution



Product name:

S241XX-MDWWC-TX-XX

Test Date:

8/27/2026

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

53.9°

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

82.4°

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

95.1°

Beam Details

*measured at centre of beam

Mounting Height (feet)\(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	951 lx	88 fc	4.1 ft / 1.2 m
8 ft / 2.4 m	238 lx	22 fc	8.1 ft / 2.5 m
12 ft / 3.7 m	106 lx	10 fc	12.2 ft / 3.7 m
16 ft / 4.9 m	59 lx	6 fc	16.3 ft / 5 m
20 ft / 6.1 m	38 lx	4 fc	20.4 ft / 6.2 m

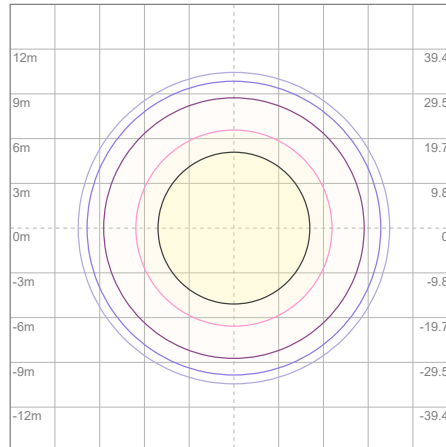
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	827	73.97%
0-40	1050	93.92%
0-60	1114	99.64%
60-90	3.70	0.33%
70-100	1.01	0.09%
90-120	0.068	0.01%
0-90	1118	100.00%
90-180	0.616	0.06%
0-180	1118	100.00%

ISO Lux Diagram



Lux at center:	152 lx
3%	4.56 lx
5%	7.60 lx
10%	15.20 lx
30%	45.60 lx
50%	76.00 lx

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

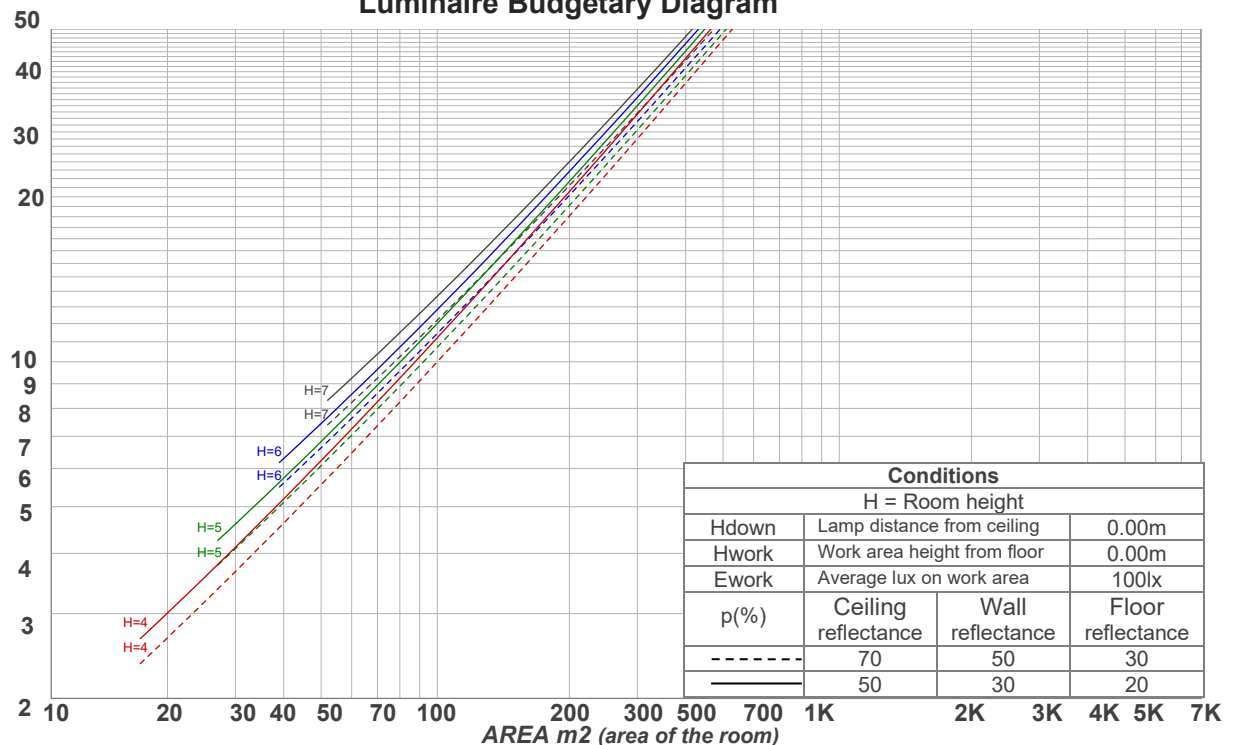
Mounting height: 3.05 meters (10 feet)

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	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	70	65	83	75	69	65	73	68	65	72	68	65	71	67	64	63
8	80	71	65	61	79	71	65	61	70	65	61	68	64	61	68	63	60	59
9	77	67	62	58	76	67	61	58	66	61	57	65	60	57	64	60	57	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53

LAMPS (number of lamps)

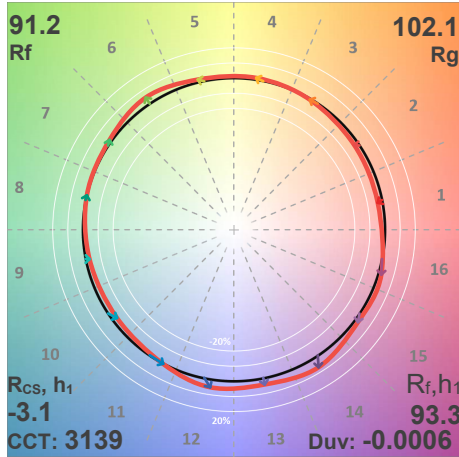
Luminaire Budgetary Diagram



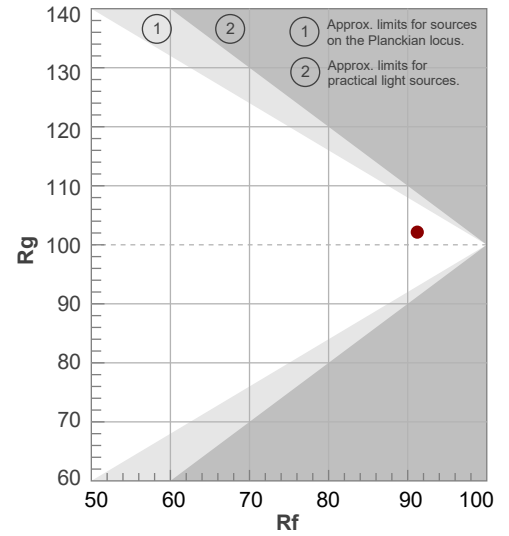
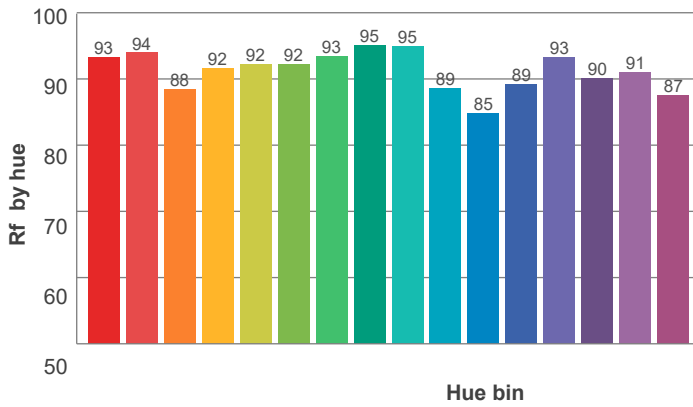
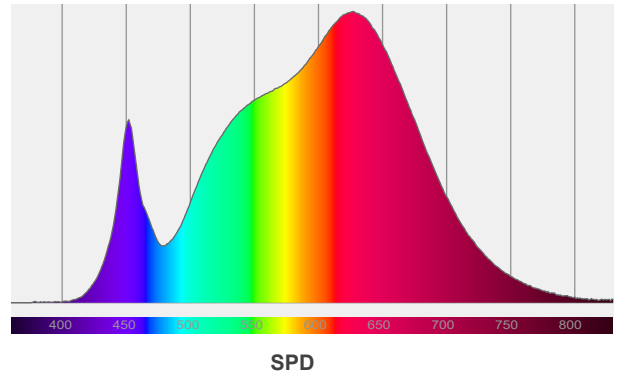
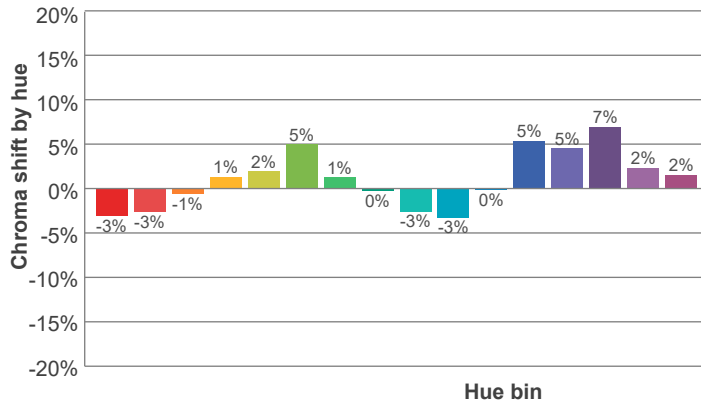
Photometric Testing Report

ANSI/IES TM-30-18

P: 2 / V: - / F: 2



Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	93	-3%	-1%
2	94	-3%	2%
3	88	-1%	6%
4	92	1%	5%
5	92	2%	4%
6	92	5%	0%
7	93	1%	-4%
8	95	0%	-3%
9	95	-3%	1%
10	89	-3%	6%
11	85	0%	10%
12	89	5%	5%
13	93	5%	0%
14	90	7%	-4%
15	91	2%	-5%
16	87	2%	-10%



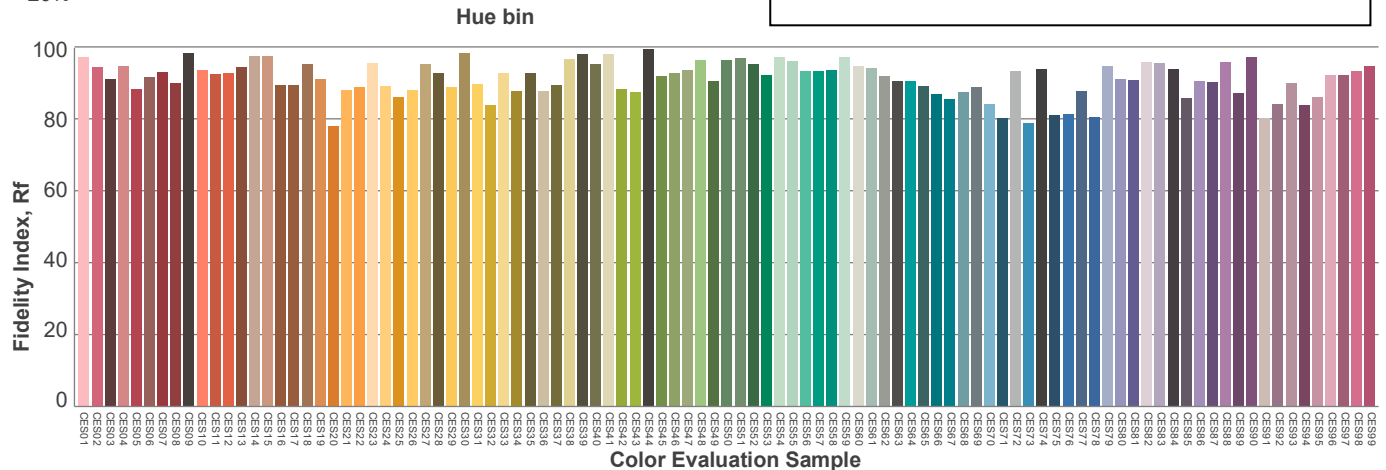
Red: 39.1%, Power=12.5mW

Blue: 8.1%, Power=5.6mW

Green: 24.5%, Power=14.5mW

UVA: 0%, Power=0.0mW

Dominant Wavelength: 583nm

1st Peak Wavelength: 627nm2nd Peak Wavelength: 452nm

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	24.1	24.7	24.2	24.9	25.1	24.1	24.7	24.2	24.9	25.1
	3H	23.8	24.6	24.2	24.8	24.9	23.8	24.6	24.2	24.8	24.9
	4H	23.7	24.4	24.1	24.7	24.9	23.7	24.4	24.1	24.7	24.9
	6H	23.7	24.3	24.0	24.6	25.0	23.7	24.3	24.0	24.6	25.0
	8H	23.7	24.3	24.0	24.6	25.0	23.7	24.3	24.0	24.6	25.0
	12H	23.6	24.2	24.0	24.5	25.0	23.6	24.2	24.0	24.5	25.0
4H	2H	23.7	24.4	24.1	24.7	24.9	23.7	24.4	24.1	24.7	24.9
	3H	23.6	24.2	24.0	24.5	25.0	23.6	24.2	24.0	24.5	25.0
	4H	23.5	24.0	23.9	24.4	24.9	23.5	24.0	23.9	24.4	24.9
	6H	23.4	24.0	23.9	24.3	24.6	23.4	24.0	23.9	24.3	24.6
	8H	23.3	23.9	23.9	24.2	24.6	23.3	23.9	23.9	24.2	24.6
	12H	23.3	23.7	23.8	24.1	24.5	23.3	23.7	23.8	24.1	24.5
8H	4H	23.3	23.9	23.9	24.2	24.6	23.3	23.9	23.9	24.2	24.6
	6H	23.3	23.6	23.8	24.1	24.6	23.3	23.6	23.8	24.1	24.6
	8H	23.3	23.5	23.8	24.1	24.7	23.3	23.5	23.8	24.1	24.7
	12H	23.2	23.4	23.8	23.9	24.5	23.2	23.4	23.8	23.9	24.5
12H	4H	23.3	23.7	23.8	24.1	24.5	23.3	23.7	23.8	24.1	24.5
	6H	23.3	23.5	23.8	24.1	24.7	23.3	23.5	23.8	24.1	24.7
	8H	23.2	23.4	23.8	23.9	24.5	23.2	23.4	23.8	23.9	24.5
Variation of the observer position for the luminaire distance S											
S = 1.0H		4.8 / -13.5					4.8 / -13.5				
S = 1.5H		7.4 / -15.7					7.4 / -15.7				
S = 2.0H		9.4 / -17.4					9.4 / -17.4				
Corrected glare indices referring to 1118 lm total luminous flux											