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Photometric Testing Report

Light efficiency:
46 Lumen/Watt

Color temperature:
3055 K

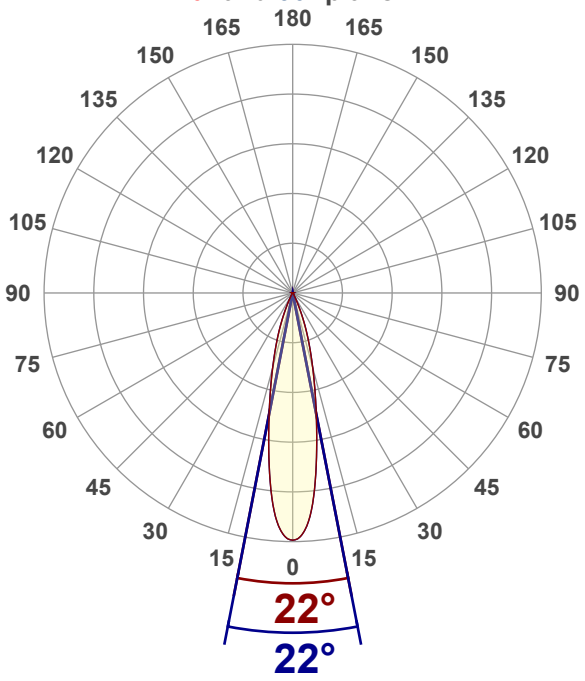
Light quality:
CRI:94.5, R_g:98.9, R_f:92.9
R9: 64.1 / P: 2 / V: - / F: 2

Output:	**1094 lm**
Peak:	**5559 cd**
Power:	**23.6 W**
Voltage:	**120 V**
Current:	**0.198 A**
PF:	**0.99**
THD:	**7.67 %**



Angular Distribution

0° and 90° plane



Product name:
S244XX-ETWSC-TX-XX

Test Date:
8/31/2026

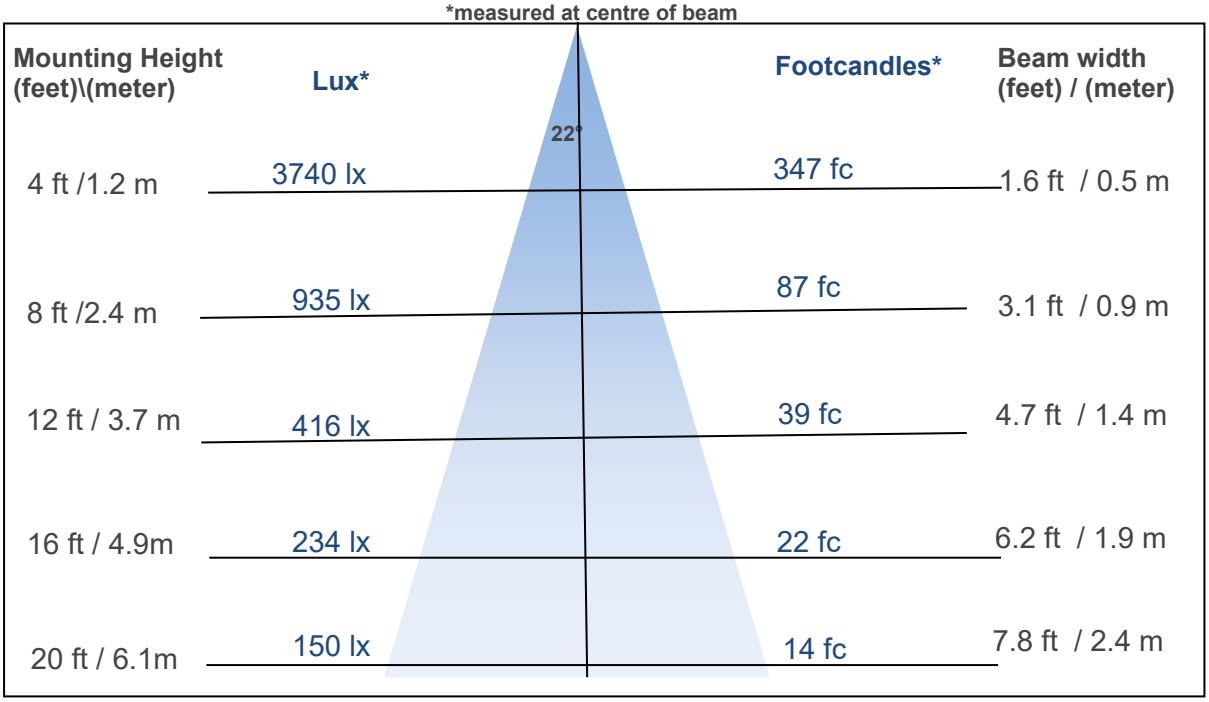
Beam Angle (50% of the brightness of the centre):
22°

Field Angle (10% of the brightness of the centre):
44.5°

Cut Off Angle (2.5% of the brightness of the centre):
54.8°

Beam Details

*measured at centre of beam



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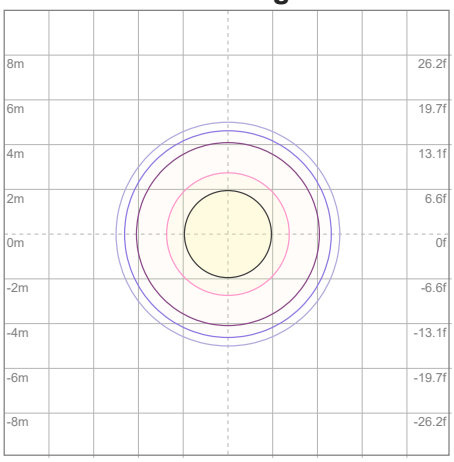
S244XX-ETWSC-TX-XX

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	1034	94.52%
0-40	1056	96.53%
0-60	1086	99.27%
60-90	7.84	0.72%
70-100	2.10	0.19%
90-120	0.319	0.03%
0-90	1094	100.00%
90-180	0.638	0.06%
0-180	1094	100.00%

ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

Lux at center:	598 lx
3%	17.94 lx
5%	29.90 lx
10%	59.80 lx
30%	179.40 lx
50%	299.00 lx

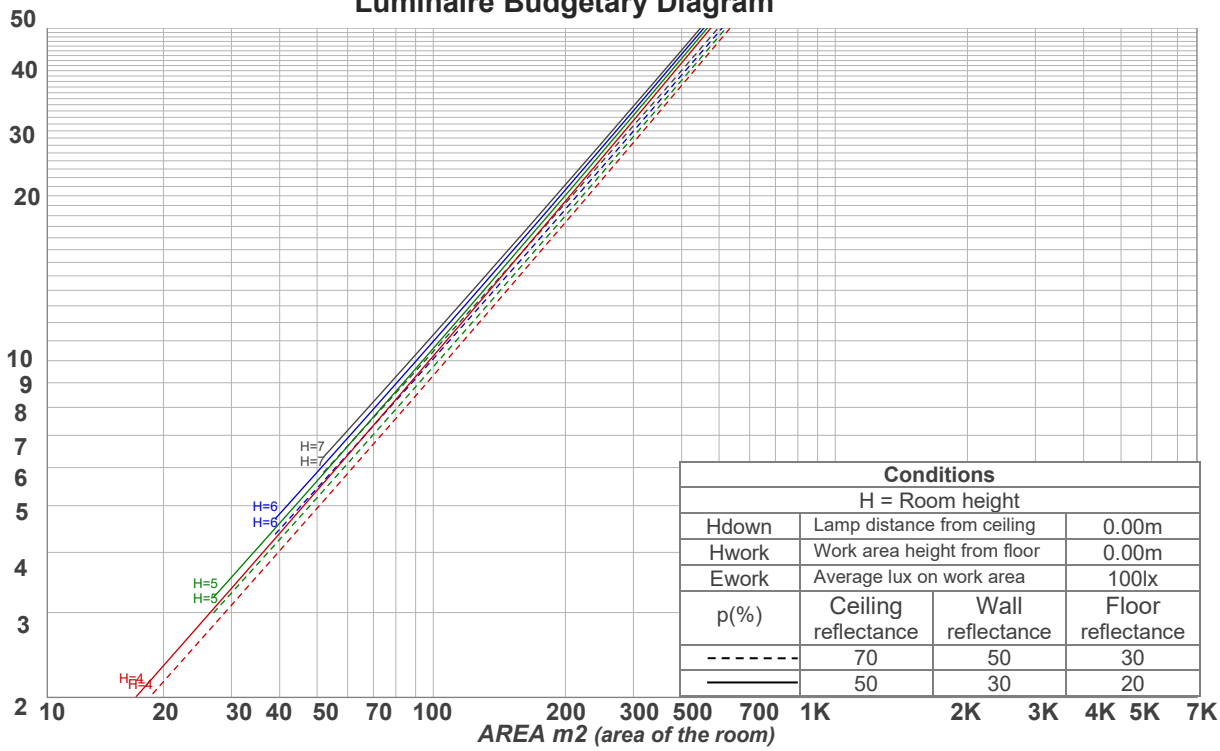
Conditions:
Number of planes: 8
Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

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	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	103	100	99	100	98	96	97	96	95	93
3	108	103	99	96	106	102	98	96	99	96	94	97	94	93	95	93	91	90
4	104	99	95	92	103	98	94	91	96	93	90	94	91	89	92	90	88	87
5	101	95	91	88	100	94	91	88	93	89	87	91	88	86	90	87	86	84
6	98	92	88	85	97	91	87	85	90	87	84	89	86	83	88	85	83	82
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80
8	93	86	82	80	92	86	82	79	85	82	79	84	81	79	83	81	78	78
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	81	79	76	76
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74

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

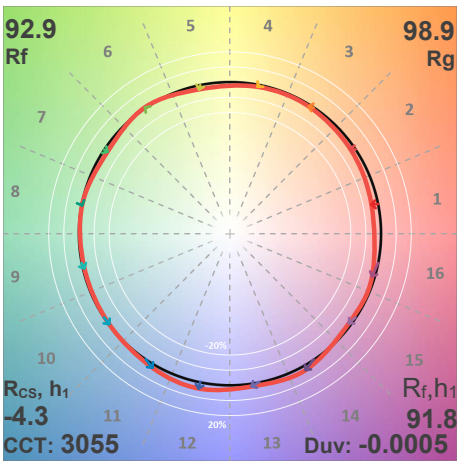
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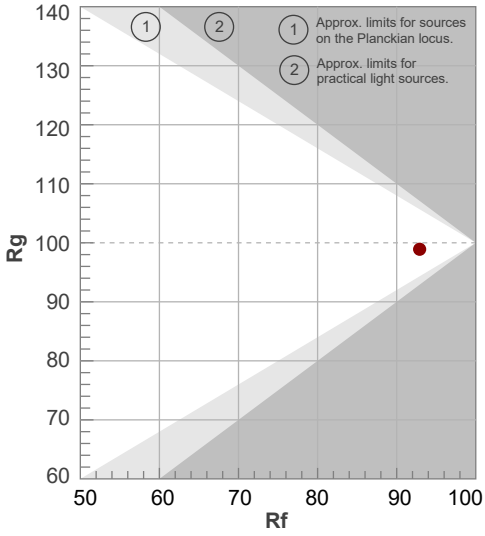
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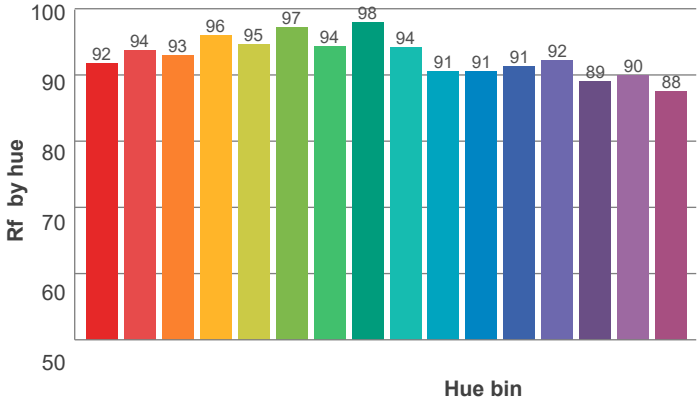
Photometric Testing Report

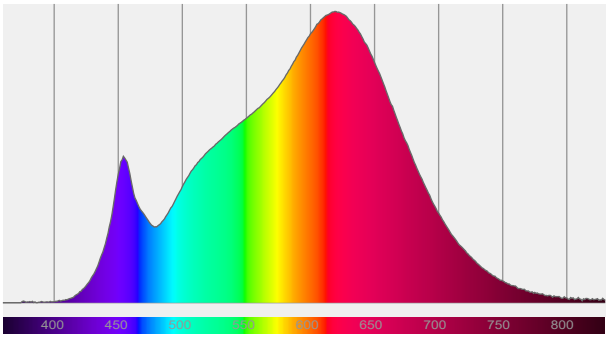
ANSI/IES TM-30-18 P: **2** / V: **-** / F: **2**

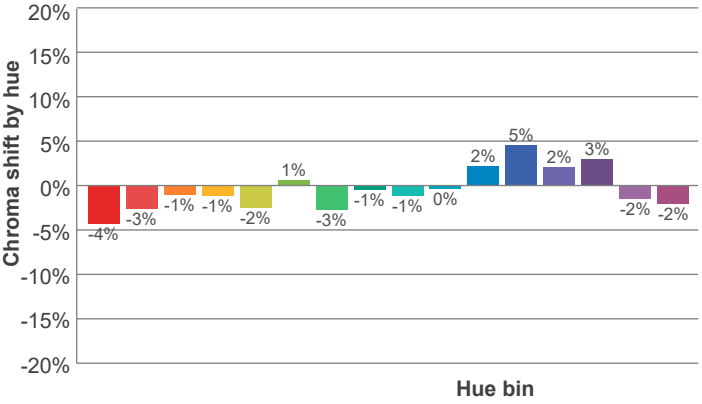


Hue Bin	R_f	Shifts (%) Chroma	Hue
1	92	-4%	0%
2	94	-3%	2%
3	93	-1%	3%
4	96	-1%	1%
5	95	-2%	1%
6	97	1%	0%
7	94	-3%	0%
8	98	-1%	1%
9	94	-1%	4%
10	91	0%	5%
11	91	2%	7%
12	91	5%	0%
13	92	2%	-5%
14	89	3%	-8%
15	90	-2%	-6%
16	88	-2%	-9%









Red: 37.4%, Power=10.8mW

Blue: 9.2%, Power=6.7mW

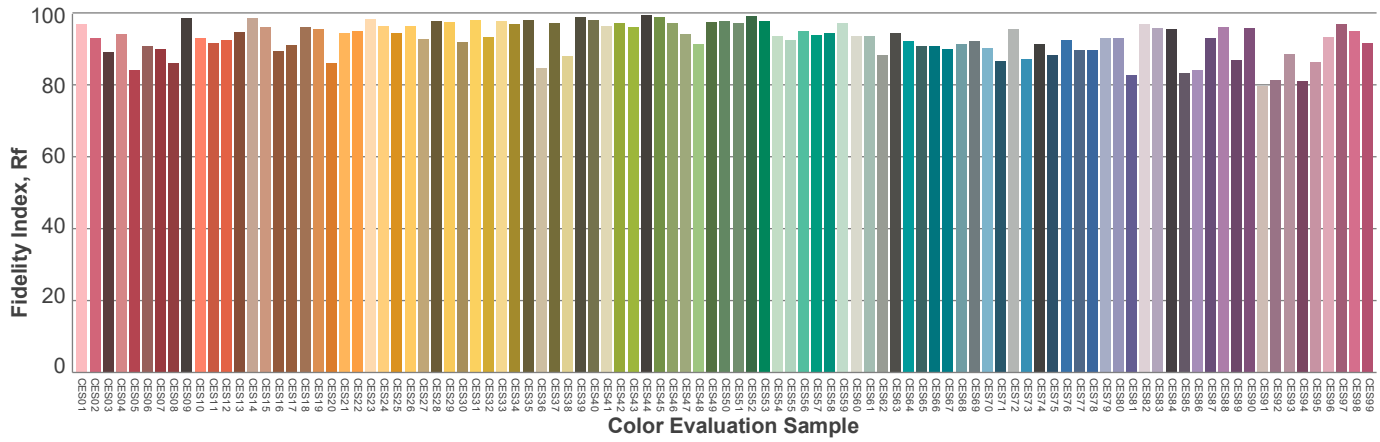
Green: 24.5%, Power=13.1mW

UVA: 0%, Power=0.1mW

Dominant Wavelength:584nm

1st Peak Wavelength: 619nm

2nd Peak Wavelength:454nm



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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 = mouting height above eye level X	Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	14.6	15.0	14.7	15.2	15.4	14.6	15.0	14.7	15.2	15.4
	3H	14.7	15.3	15.1	15.4	15.6	14.7	15.3	15.1	15.4	15.6
	4H	14.7	15.3	15.1	15.5	15.7	14.7	15.3	15.1	15.5	15.7
	6H	14.8	15.2	15.0	15.5	15.8	14.8	15.2	15.0	15.5	15.8
	8H	14.7	15.1	15.0	15.5	15.9	14.7	15.1	15.0	15.5	15.9
	12H	14.7	15.1	15.0	15.5	15.9	14.7	15.1	15.0	15.5	15.9
4H	2H	14.7	15.3	15.1	15.5	15.7	14.7	15.3	15.1	15.5	15.7
	3H	15.1	15.5	15.4	15.8	16.2	15.1	15.5	15.4	15.8	16.2
	4H	15.0	15.4	15.4	15.8	16.3	15.0	15.4	15.4	15.8	16.3
	6H	15.0	15.5	15.5	15.8	16.1	15.0	15.5	15.5	15.8	16.1
	8H	15.0	15.4	15.5	15.7	16.1	15.0	15.4	15.5	15.7	16.1
	12H	14.9	15.3	15.4	15.7	16.1	14.9	15.3	15.4	15.7	16.1
8H	4H	14.9	15.4	15.5	15.7	16.1	14.9	15.4	15.5	15.7	16.1
	6H	15.0	15.2	15.5	15.7	16.2	15.0	15.2	15.5	15.7	16.2
	8H	15.0	15.2	15.5	15.7	16.4	15.0	15.2	15.5	15.7	16.4
	12H	15.0	15.2	15.6	15.7	16.3	15.0	15.2	15.6	15.7	16.3
12H	4H	14.9	15.2	15.4	15.6	16.1	14.9	15.2	15.4	15.6	16.1
	6H	15.0	15.2	15.5	15.7	16.3	15.0	15.2	15.5	15.7	16.3
	8H	15.0	15.1	15.6	15.6	16.2	15.0	15.1	15.6	15.6	16.2

Variation of the observer position for the luminaire distance S		
S = 1.0H	0.5 / -0.5	0.5 / -0.5
S = 1.5H	0.9 / -1.6	0.9 / -1.6
S = 2.0H	1.8 / -4.2	1.8 / -4.2

Corrected glare indices referring to 1094 lm total luminous flux