

Light efficiency:

74 Lumen/Watt

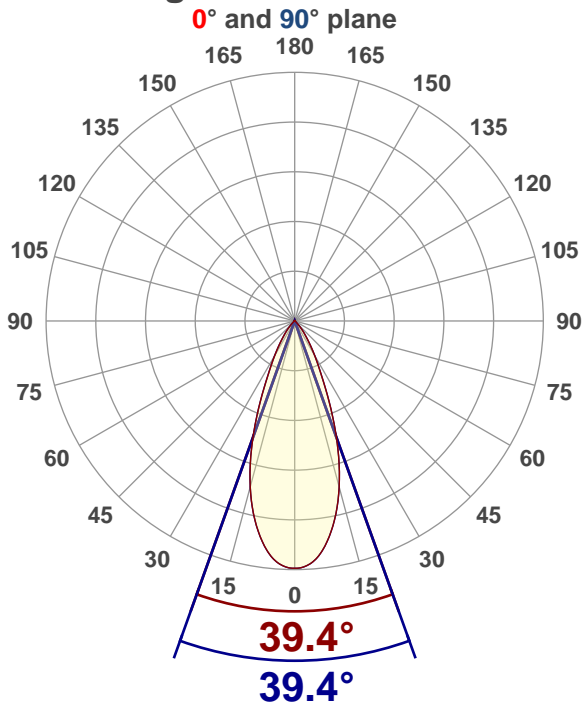
Color temperature:

3058 K

Light quality:

CRI:92.6, R_g:90.3, R_f:100.5**P: 2 / V: - / F: 2****Output: 3014 lm****Peak: 6030 cd****Power: 40.6 W****Voltage: 120 V****Current: 0.338 A****PF: 0.9****THD: n/a %**

Angular Distribution



Product name:

S4R7WS-E30MC-xx1-xxx

Test Date:

2021-04-12Beam Angle (50% of the brightness of the centre):
39.4°Field Angle (10% of the brightness of the centre):
68.1°Cut Off Angle (2.5% of the brightness of the centre):
86.8°

Beam Details

*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	4057 lx	377 fc	2.9 ft / 0.9 m
8 ft / 2.4 m	1014 lx	94 fc	5.7 ft / 1.7 m
12 ft / 3.7 m	451 lx	42 fc	8.6 ft / 2.6 m
16 ft / 4.9 m	254 lx	24 fc	11.5 ft / 3.5 m
20 ft / 6.1 m	162 lx	15 fc	14.3 ft / 4.4 m

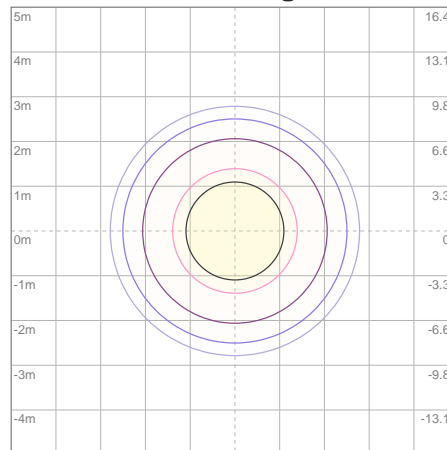
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	2482	82.35%
0-40	2829	93.86%
0-60	2954	98.01%
60-90	31.0	1.03%
70-100	19.1	0.63%
90-120	9.46	0.31%
0-90	2985	99.04%
90-180	28.7	0.95%
0-180	3014	100.00%

ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

Lux at center:	648 lx
3%	19.44 lx
5%	32.40 lx
10%	64.80 lx
30%	194.40 lx
50%	324.00 lx

Conditions:

Number of planes: 8

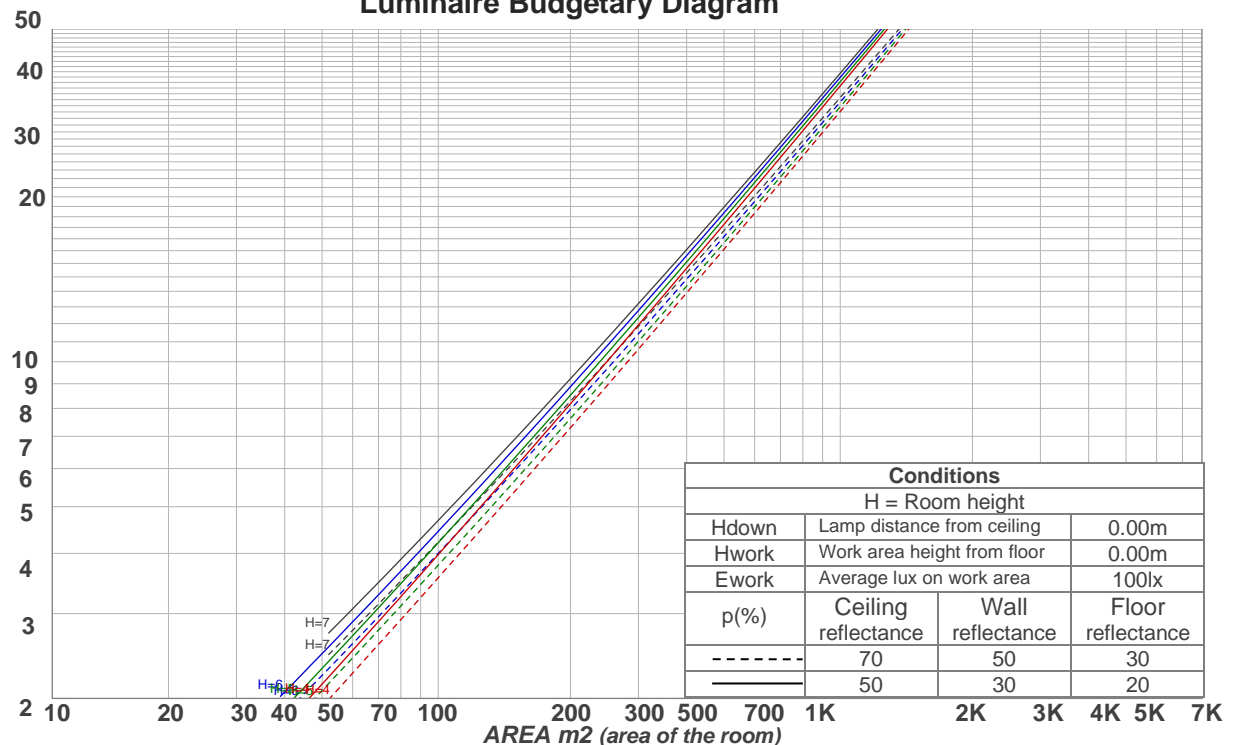
Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

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	101	101	101	99
1	114	111	109	107	111	109	107	105	105	103	102	101	100	98	97	96	95	94
2	109	104	101	98	107	103	99	96	99	97	94	96	94	92	93	92	90	88
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	89	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	87	84	82	86	83	80	79
5	95	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	76	75
6	91	84	78	75	90	83	78	74	81	77	74	80	76	73	79	75	73	71
7	88	80	74	71	86	79	74	70	78	73	70	76	72	70	75	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59

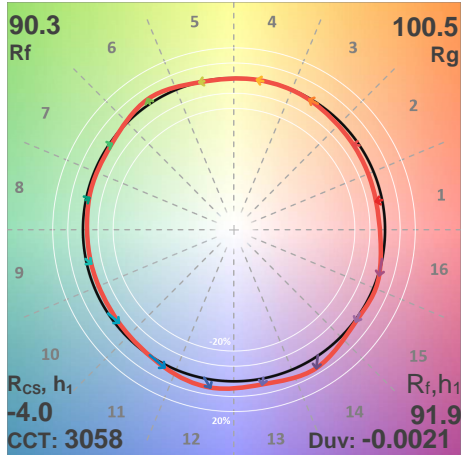
LAMPS (number of lamps)

Luminaire Budgetary Diagram

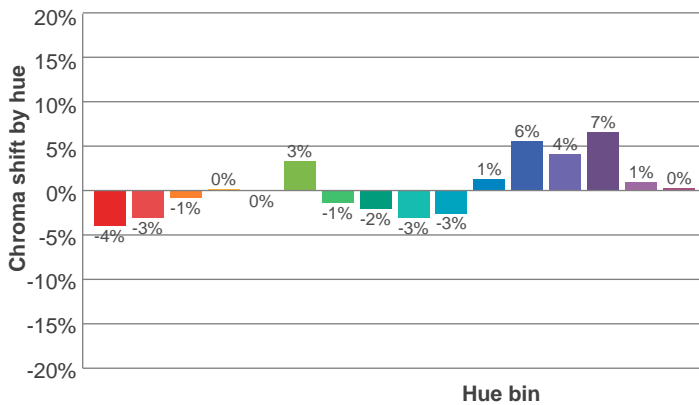
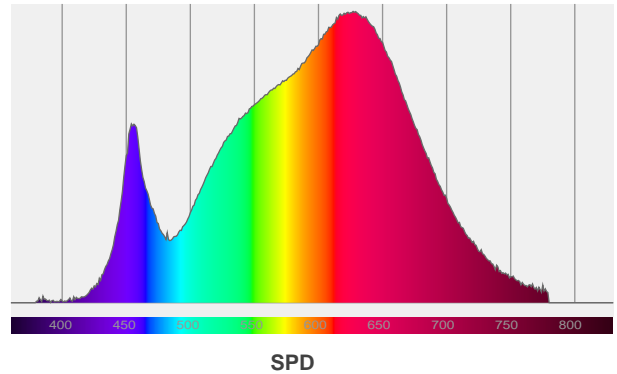
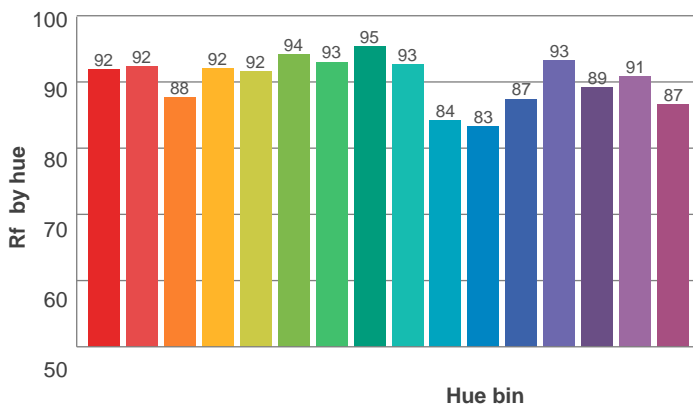
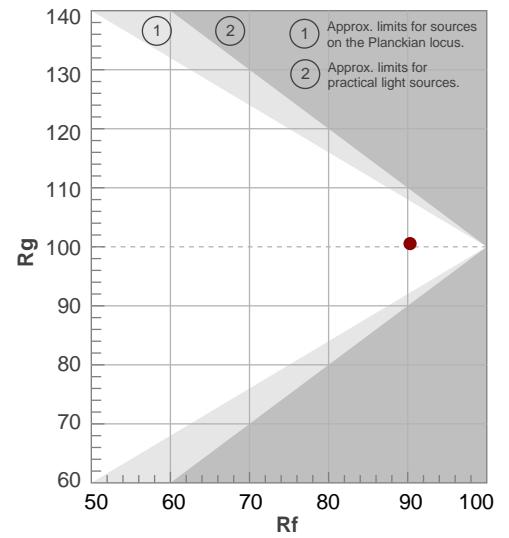


ANSI/IES TM-30-18

P: 2 / V: - / F: 2



Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	92	-4%	0%
2	92	-3%	3%
3	88	-1%	6%
4	92	0%	4%
5	92	0%	3%
6	94	3%	-1%
7	93	-1%	-2%
8	95	-2%	-2%
9	93	-3%	4%
10	84	-3%	9%
11	83	1%	13%
12	87	6%	5%
13	93	4%	-1%
14	89	7%	-5%
15	91	1%	-6%
16	87	0%	-11%



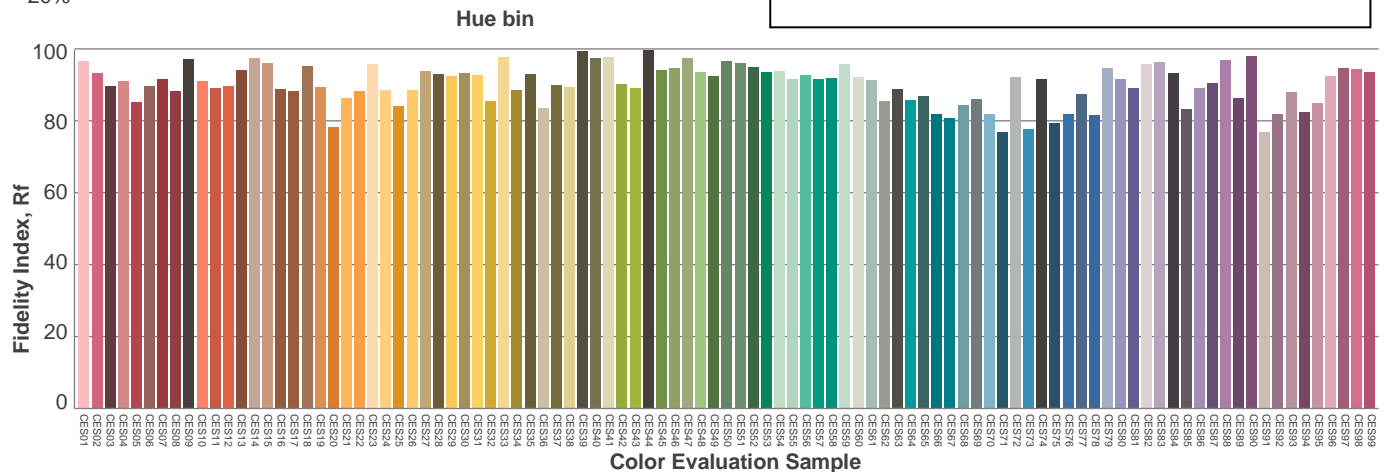
Red: 39.3%, Power=33.3mW

Blue: 9.2%, Power=19.4mW

Green: 23.8%, Power=37.9mW

UVA: 0.1%, Power=0.0mW

Dominant Wavelength: 584nm

1st Peak Wavelength: 627nm2nd Peak Wavelength: 454nm

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	18.7	19.3	18.8	19.5	19.7	18.7	19.3	18.8	19.5	19.7
	3H	18.5	19.2	18.9	19.4	19.6	18.5	19.2	18.9	19.4	19.6
	4H	18.6	19.2	19.0	19.5	19.7	18.6	19.2	19.0	19.5	19.7
	6H	18.7	19.2	19.0	19.5	19.9	18.7	19.2	19.0	19.5	19.9
	8H	18.7	19.2	19.0	19.6	20.0	18.7	19.2	19.0	19.6	20.0
	12H	18.7	19.2	19.1	19.6	20.0	18.7	19.2	19.1	19.6	20.0
4H	2H	18.4	19.1	18.8	19.3	19.6	18.4	19.1	18.8	19.3	19.6
	3H	18.5	19.0	18.8	19.4	19.8	18.5	19.0	18.8	19.4	19.8
	4H	18.5	19.0	18.9	19.4	19.9	18.5	19.0	18.9	19.4	19.9
	6H	18.6	19.1	19.1	19.5	19.8	18.6	19.1	19.1	19.5	19.8
	8H	18.7	19.2	19.2	19.5	19.9	18.7	19.2	19.2	19.5	19.9
	12H	18.8	19.1	19.3	19.6	20.0	18.8	19.1	19.3	19.6	20.0
8H	4H	18.5	18.9	19.0	19.3	19.7	18.5	18.9	19.0	19.3	19.7
	6H	18.7	19.0	19.2	19.5	20.0	18.7	19.0	19.2	19.5	20.0
	8H	18.9	19.1	19.4	19.6	20.3	18.9	19.1	19.4	19.6	20.3
	12H	19.0	19.2	19.6	19.8	20.4	19.0	19.2	19.6	19.8	20.4
12H	4H	18.4	18.8	18.9	19.2	19.7	18.4	18.8	18.9	19.2	19.7
	6H	18.7	19.0	19.2	19.5	20.1	18.7	19.0	19.2	19.5	20.1
	8H	18.9	19.1	19.5	19.6	20.2	18.9	19.1	19.5	19.6	20.2
Variation of the observer position for the luminaire distance S											
S = 1.0H		3.8 / -3.1					3.8 / -3.1				
S = 1.5H		6.3 / -3.4					6.3 / -3.4				
S = 2.0H		8.1 / -3.7					8.1 / -3.7				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 3014 lm total luminous flux											