

Light efficiency:

69 Lumen/Watt

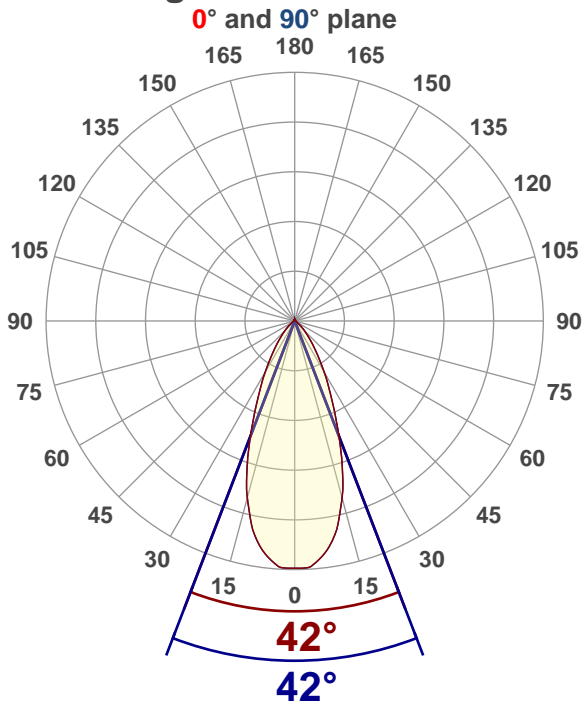
Color temperature:

2879 K

Light quality:

CRI:95.3, R_g:92.6, R_f:97.5**P: 2 / V: - / F: 2****Output: 630 lm****Peak: 949 cd****Power: 9.2 W****Voltage: 119 V****Current: 0.079 A****PF: 0.98****THD: 16.35 %**

Angular Distribution



Product name:

RA35x-9RG-90WH - 27K

Test Date:

2019-06-27

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

42°

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

78.6°

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

104.7°

Beam Details

*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	638 lx	59 fc	3.1 ft / 0.9 m
8 ft / 2.4 m	160 lx	15 fc	6.1 ft / 1.9 m
12 ft / 3.7 m	71 lx	7 fc	9.2 ft / 2.8 m
16 ft / 4.9 m	40 lx	4 fc	12.3 ft / 3.7 m
20 ft / 6.1 m	26 lx	2 fc	15.4 ft / 4.7 m

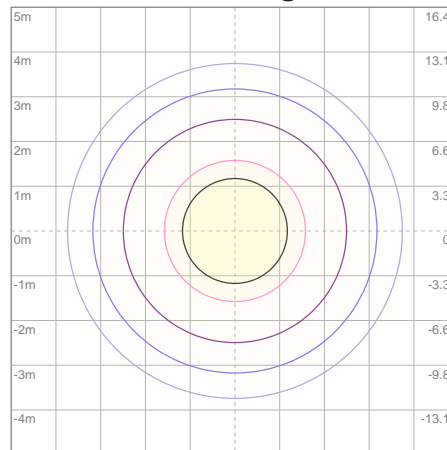
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	437	69.37%
0-40	528	83.81%
0-60	586	93.02%
60-90	19.1	3.03%
70-100	14.1	2.24%
90-120	11.7	1.86%
0-90	605	96.03%
90-180	24.6	3.90%
0-180	630	100.00%

ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

Lux at center:	102 lx
3%	3.06 lx
5%	5.10 lx
10%	10.20 lx
30%	30.60 lx
50%	51.00 lx

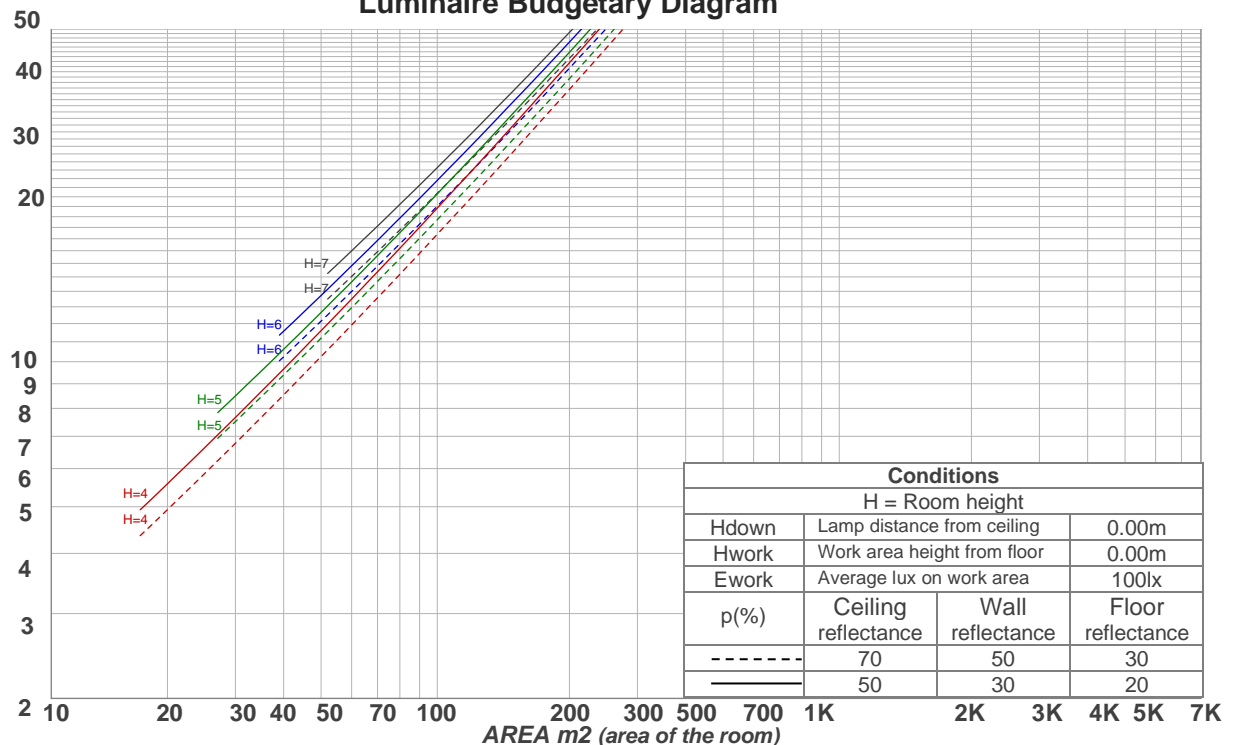
Conditions:
 Number of planes: 8
 Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

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	50	30	10	0
Floor reflectance	20	20	20	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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96	96	96	96
1	112	109	106	104	109	107	104	102	102	100	98	97	96	95	93	92	91	89	89	89	89
2	106	101	97	93	104	99	95	92	95	92	89	92	89	87	88	86	85	83	83	83	83
3	101	94	89	85	99	93	88	84	89	85	82	86	83	80	84	81	79	77	77	77	77
4	96	88	82	78	94	87	81	77	84	80	76	82	78	75	79	76	74	72	72	72	72
5	91	83	77	72	89	81	76	72	79	74	71	77	73	70	75	72	69	67	67	67	67
6	87	78	72	67	85	77	71	67	75	70	66	73	69	66	71	68	65	63	63	63	63
7	83	73	67	63	81	72	67	63	71	66	62	69	65	62	68	64	61	60	60	60	60
8	79	69	63	59	77	69	63	59	67	62	59	66	61	58	65	61	58	56	56	56	56
9	75	66	60	56	74	65	60	56	64	59	55	63	58	55	62	58	55	53	53	53	53
10	72	63	57	53	71	62	57	53	61	56	53	60	55	52	59	55	52	51	51	51	51

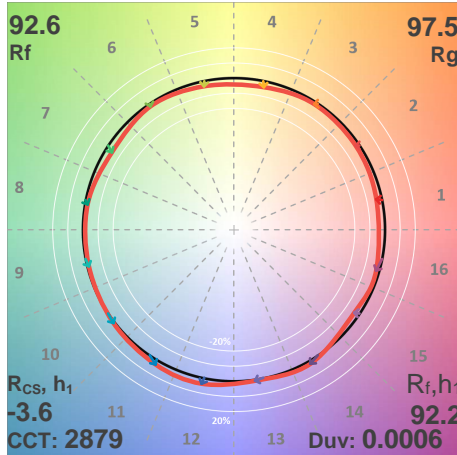
LAMPS (number of lamps)

Luminaire Budgetary Diagram

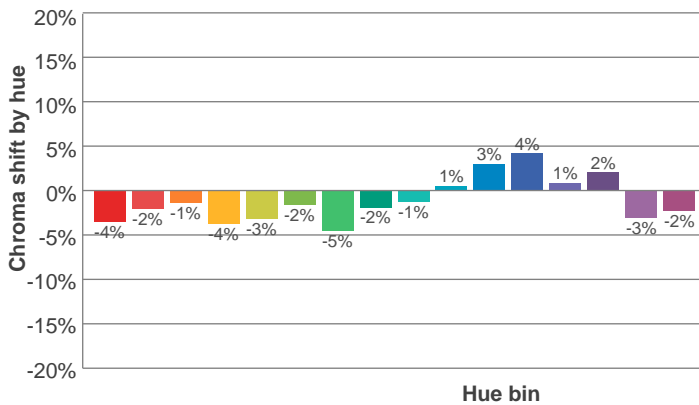
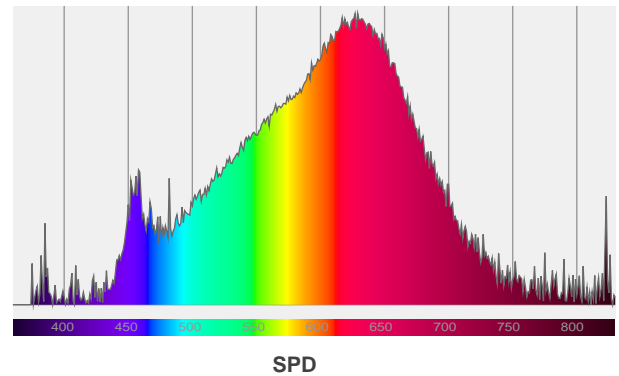
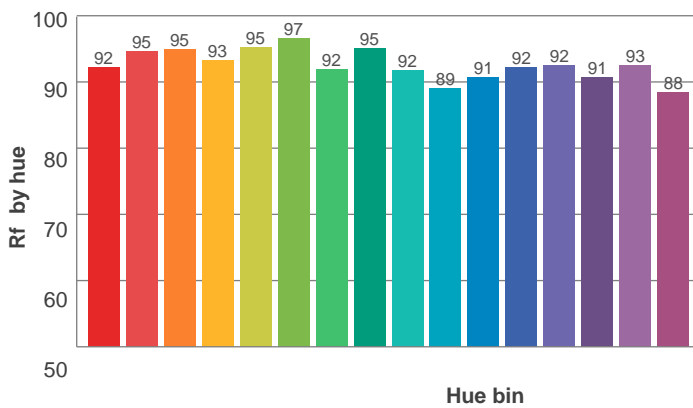
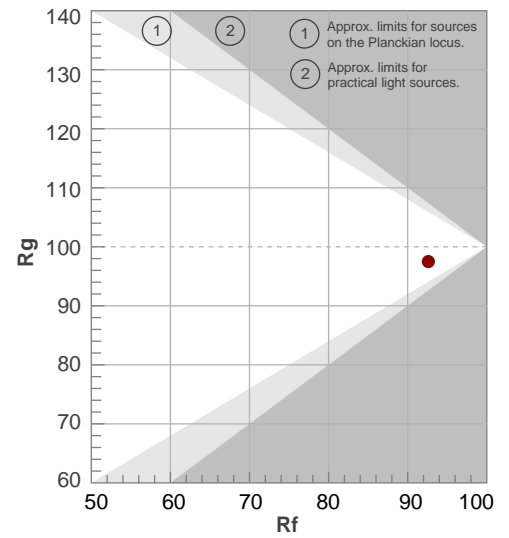


ANSI/IES TM-30-18

P: 2 / V: - / F: 2



Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	92	-4%	1%
2	95	-2%	1%
3	95	-1%	2%
4	93	-4%	-1%
5	95	-3%	1%
6	97	-2%	1%
7	92	-5%	2%
8	95	-2%	3%
9	92	-1%	5%
10	89	1%	7%
11	91	3%	7%
12	92	4%	-1%
13	92	1%	-6%
14	91	2%	-7%
15	93	-3%	-1%
16	88	-2%	-8%



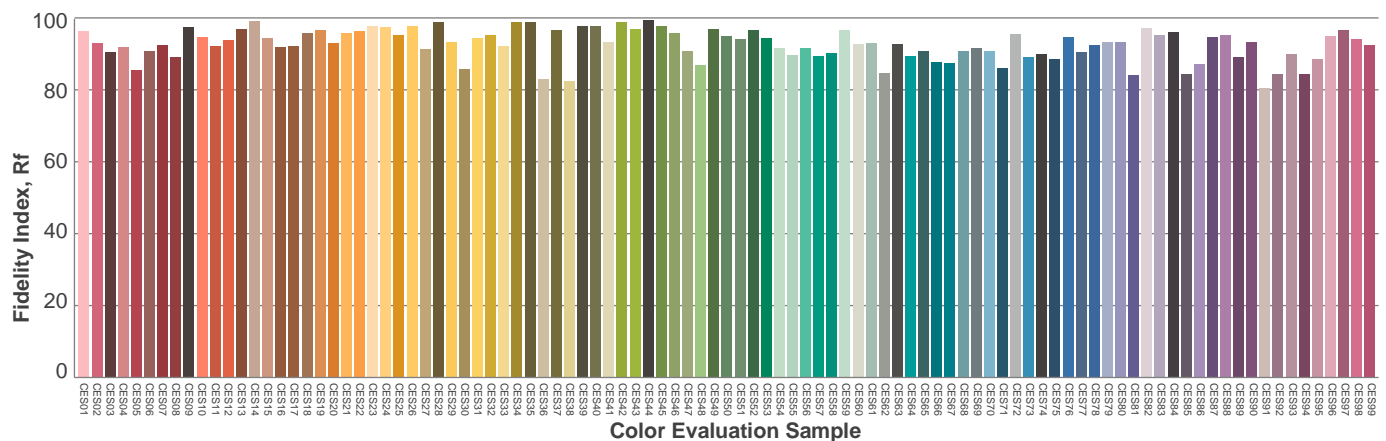
Red: 40.3%, Power=7.8mW

Blue: 8.2%, Power=3.7mW

Green: 22.3%, Power=7.2mW

UVA: 0.8%, Power=1.9mW

Dominant Wavelength: 584nm

1st Peak Wavelength: 629nm2nd Peak Wavelength: 618nm

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	19.6	20.3	19.8	20.6	20.8	19.6	20.3	19.8	20.6	20.8
	3H	19.7	20.5	20.2	20.8	21.0	19.7	20.5	20.2	20.8	21.0
	4H	19.9	20.6	20.4	20.9	21.2	19.9	20.6	20.4	20.9	21.2
	6H	20.2	20.8	20.6	21.2	21.6	20.2	20.8	20.6	21.2	21.6
	8H	20.3	21.0	20.7	21.3	21.8	20.3	21.0	20.7	21.3	21.8
	12H	20.6	21.2	21.0	21.6	22.1	20.6	21.2	21.0	21.6	22.1
4H	2H	19.5	20.2	19.9	20.5	20.8	19.5	20.2	19.9	20.5	20.8
	3H	19.9	20.5	20.3	20.9	21.4	19.9	20.5	20.3	20.9	21.4
	4H	20.1	20.7	20.6	21.1	21.7	20.1	20.7	20.6	21.1	21.7
	6H	20.5	21.1	21.0	21.4	21.9	20.5	21.1	21.0	21.4	21.9
	8H	20.8	21.3	21.3	21.7	22.1	20.8	21.3	21.3	21.7	22.1
	12H	21.1	21.5	21.7	22.0	22.5	21.1	21.5	21.7	22.0	22.5
8H	4H	20.2	20.7	20.7	21.1	21.5	20.2	20.7	20.7	21.1	21.5
	6H	20.8	21.1	21.3	21.6	22.2	20.8	21.1	21.3	21.6	22.2
	8H	21.2	21.5	21.8	22.1	22.7	21.2	21.5	21.8	22.1	22.7
	12H	21.8	22.0	22.4	22.6	23.3	21.8	22.0	22.4	22.6	23.3
12H	4H	20.2	20.6	20.7	21.0	21.6	20.2	20.6	20.7	21.0	21.6
	6H	20.9	21.1	21.4	21.7	22.4	20.9	21.1	21.4	21.7	22.4
	8H	21.3	21.6	22.0	22.1	22.8	21.3	21.6	22.0	22.1	22.8
Variation of the observer position for the luminaire distance S											
S = 1.0H		1.3 / -0.9					1.3 / -0.9				
S = 1.5H		2.9 / -1.2					2.9 / -1.2				
S = 2.0H		4.4 / -1.4					4.4 / -1.4				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 630 lm total luminous flux											