

Light efficiency:

73 Lumen/Watt

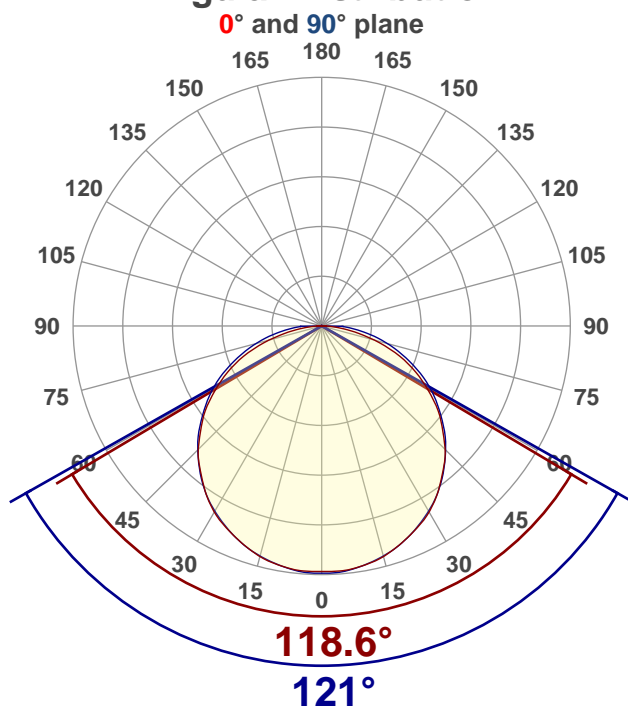
Color temperature:

3249 K

Light quality:

CRI:97.8, R_g:95.1, R_f:101.3**P: 1 / V: 3 / F: 1****Output: 279 lm****Peak: 86.1 cd****Power: 3.8 W****Voltage: 24.0 V****Current: 0.159 A****PF: 1.0****THD: n/a %**

Angular Distribution



Product name:

TP-5M04W-RGBTW95A-65 - 1m

Test Date:

2022-03-14

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

119.9°

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

169.7°

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

200.6°

Beam Details

*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	58 lx	5 fc	13.8 ft / 4.2 m
8 ft / 2.4 m	14 lx	1 fc	27.7 ft / 8.4 m
12 ft / 3.7 m	6 lx	1 fc	41.5 ft / 12.6 m
16 ft / 4.9 m	4 lx	0 fc	55.3 ft / 16.9 m
20 ft / 6.1 m	2 lx	0 fc	69.2 ft / 21.1 m

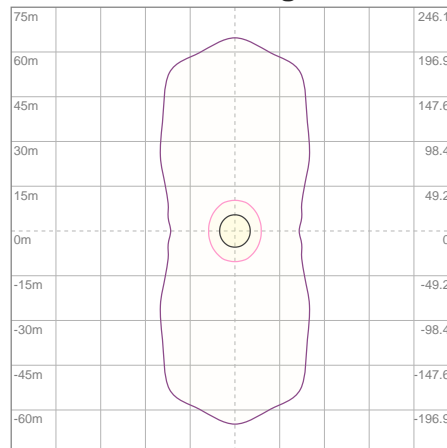
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	67.5	24.19%
0-40	112	40.14%
0-60	203	72.76%
60-90	67.6	24.23%
70-100	34.4	12.33%
90-120	5.99	2.15%
0-90	271	97.13%
90-180	8.50	3.05%
0-180	279	100.00%

ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

Lux at center:	9 lx
3%	0.27 lx
5%	0.45 lx
10%	0.90 lx
30%	2.70 lx
50%	4.50 lx

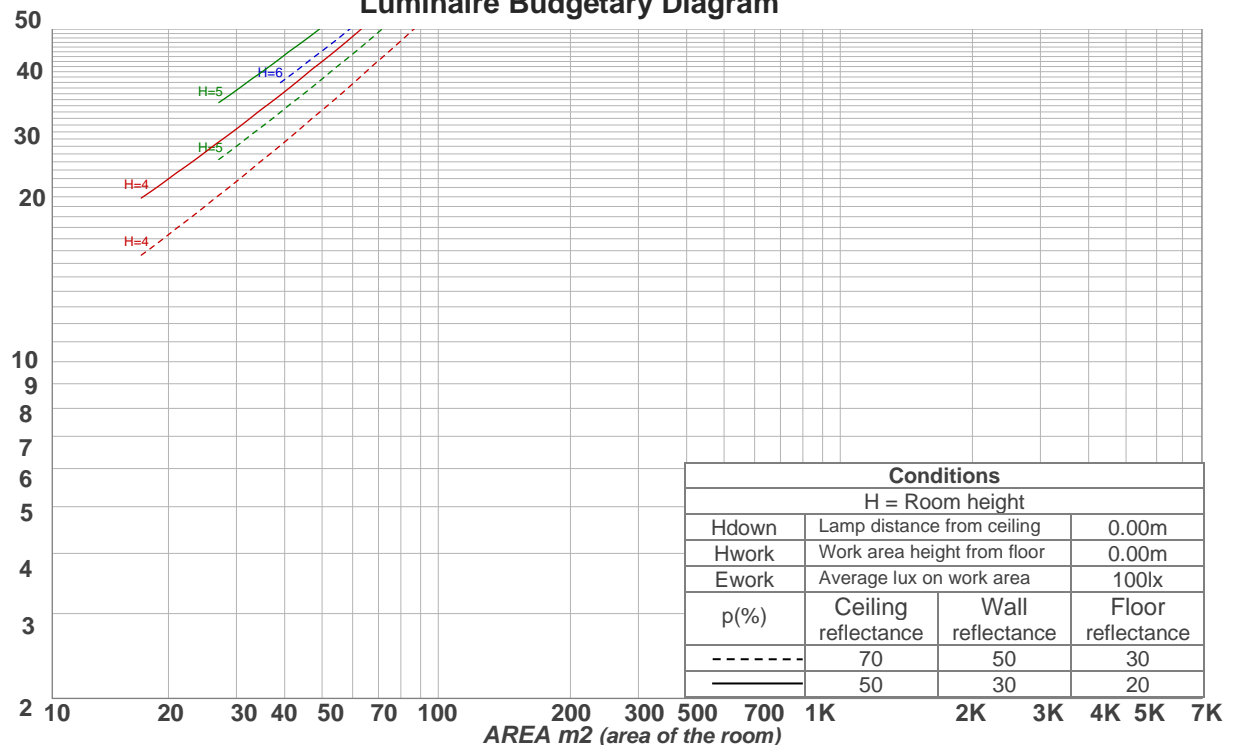
Conditions:
Number of planes: 8
Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	107	102	97	93	104	99	95	91	94	91	88	90	87	85	86	84	82	79
2	97	88	81	75	94	86	79	74	82	76	71	78	73	69	75	71	67	65
3	88	77	68	62	85	75	67	61	72	65	59	68	63	58	65	61	57	54
4	80	68	59	52	78	66	58	51	63	56	50	61	54	49	58	53	48	46
5	74	60	51	44	71	59	50	44	57	49	43	54	48	42	52	46	42	39
6	68	54	45	38	66	53	44	38	51	43	38	49	42	37	47	41	36	34
7	63	49	40	34	61	48	40	34	46	39	33	45	38	33	43	37	32	30
8	59	45	36	30	57	44	36	30	42	35	29	41	34	29	39	33	29	27
9	55	41	33	27	53	40	32	27	39	32	26	38	31	26	36	30	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

LAMPS (number of lamps)

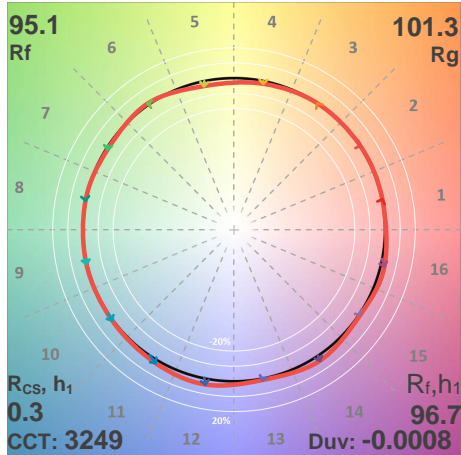
Luminaire Budgetary Diagram



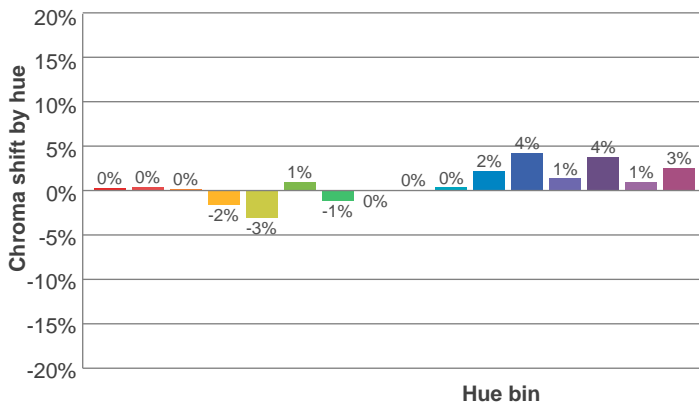
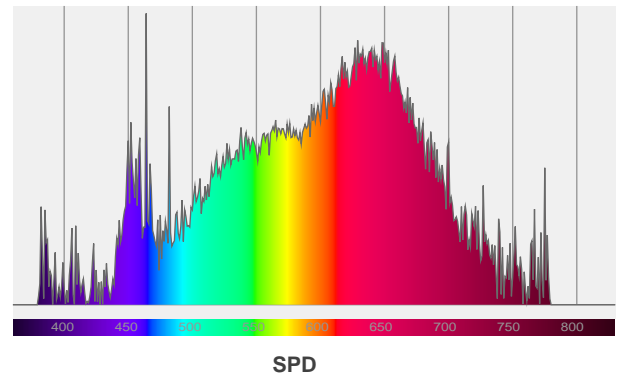
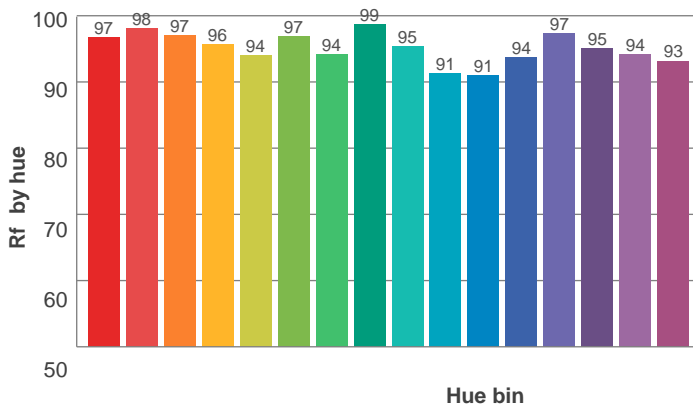
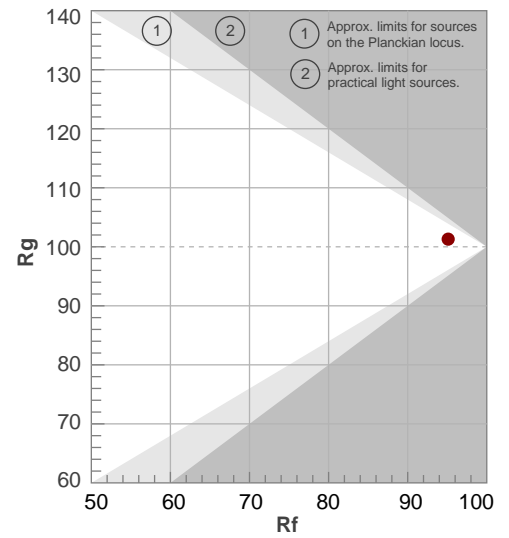
Photometric Testing Report

ANSI/IES TM-30-18

P: 1 / V: 3 / F: 1



Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	97	0%	0%
2	98	0%	-1%
3	97	0%	0%
4	96	-2%	0%
5	94	-3%	1%
6	97	1%	1%
7	94	-1%	2%
8	99	0%	0%
9	95	0%	3%
10	91	0%	5%
11	91	2%	6%
12	94	4%	2%
13	97	1%	-1%
14	95	4%	-1%
15	94	1%	0%
16	93	3%	-4%



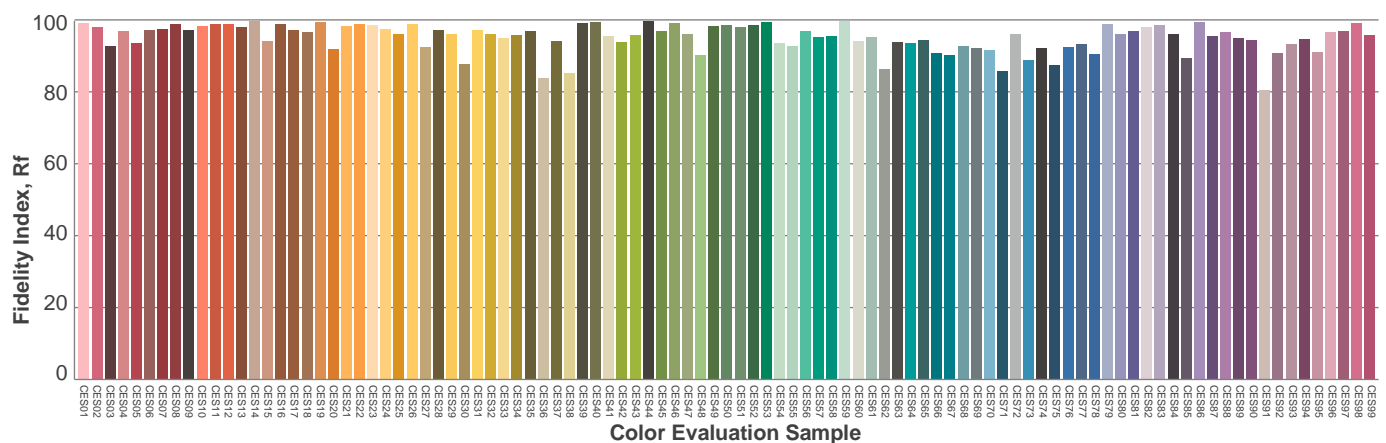
Red: 41.3%, Power=4.19mW

Blue: 9.4%, Power=1.59mW

Green: 22.6%, Power=3.34mW

UVA: 1.4%, Power=0.00mW

Dominant Wavelength: 583nm

1st Peak Wavelength: 464nm2nd Peak Wavelength: 629nm

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	24.1	25.4	24.4	25.7	26.0	24.3	25.6	24.5	25.9	26.1
	3H	25.8	27.1	26.2	27.4	27.6	26.1	27.4	26.5	27.7	27.9
	4H	26.5	27.7	26.9	28.0	28.3	27.0	28.3	27.4	28.5	28.8
	6H	27.0	28.1	27.3	28.4	28.8	27.9	29.0	28.2	29.3	29.6
	8H	27.2	28.3	27.5	28.6	29.0	28.2	29.3	28.6	29.6	30.0
	12H	27.3	28.3	27.6	28.6	29.1	28.6	29.6	28.9	29.9	30.4
4H	2H	24.8	26.1	25.3	26.4	26.6	25.0	26.2	25.4	26.5	26.8
	3H	26.8	27.8	27.2	28.2	28.6	27.1	28.2	27.5	28.5	29.0
	4H	27.5	28.5	28.0	28.9	29.5	28.1	29.0	28.5	29.5	30.0
	6H	28.2	29.1	28.7	29.5	29.8	29.0	30.0	29.5	30.3	30.7
	8H	28.4	29.2	28.9	29.6	30.0	29.5	30.3	30.0	30.7	31.1
	12H	28.5	29.2	29.0	29.7	30.2	29.9	30.6	30.4	31.0	31.5
8H	4H	28.0	28.8	28.5	29.2	29.6	28.4	29.3	28.9	29.6	30.0
	6H	28.8	29.4	29.3	29.9	30.5	29.6	30.3	30.1	30.7	31.3
	8H	29.1	29.7	29.6	30.2	30.9	30.2	30.8	30.7	31.3	31.9
	12H	29.4	29.9	29.9	30.4	31.0	30.8	31.3	31.4	31.8	32.4
12H	4H	28.0	28.7	28.5	29.2	29.6	28.4	29.2	28.9	29.6	30.1
	6H	28.9	29.5	29.5	30.0	30.7	29.7	30.3	30.2	30.8	31.5
	8H	29.3	29.8	29.9	30.3	30.9	30.4	30.8	30.9	31.3	32.0
Variation of the observer position for the luminaire distance S											
S = 1.0H		0.1 / -0.1					0.1 / -0.1				
S = 1.5H		0.1 / -0.2					0.1 / -0.1				
S = 2.0H		0.3 / -0.4					0.2 / -0.3				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 279 lm total luminous flux											