

Light efficiency:

86 Lumen/Watt

Color temperature:

3082 K

Light quality:

CRI:93.4, R_g:91.1, R_f:101.7

P: 2 / V: - / F: 2

Output: 2554 lm

Peak: 859 cd

Power: 29.5 W

Voltage: 24.0 V

Current: 1.23 A

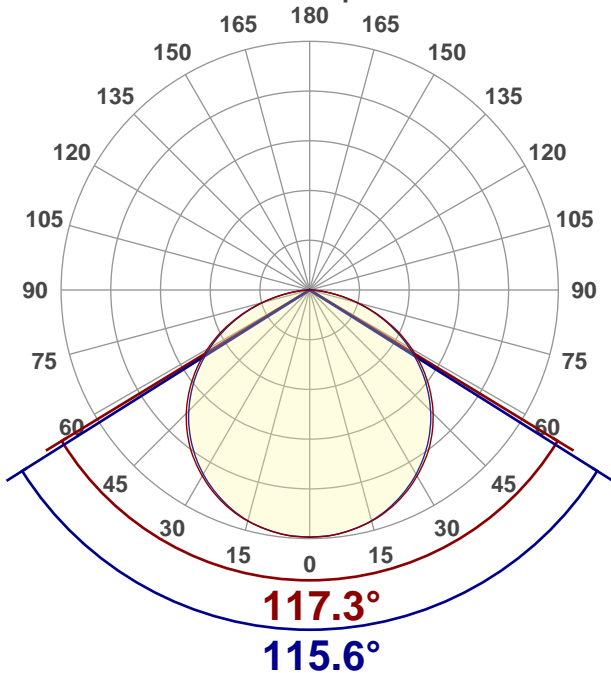
PF: 1.0

THD: n/a %



Angular Distribution

0° and 90° plane



Product name:

TP-5M30W-3090-20 - 1m

Test Date:

2022-03-14

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

116.5°

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

161.3°

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

172.8°

Beam Details

*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	577 lx	54 fc	12.9 ft / 3.9 m
8 ft / 2.4 m	144 lx	13 fc	25.8 ft / 7.9 m
12 ft / 3.7 m	64 lx	6 fc	38.8 ft / 11.8 m
16 ft / 4.9 m	36 lx	3 fc	51.7 ft / 15.8 m
20 ft / 6.1 m	23 lx	2 fc	64.6 ft / 19.7 m

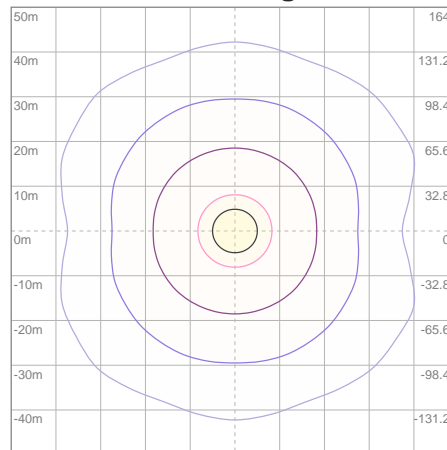
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	674	26.39%
0-40	1113	43.58%
0-60	1998	78.23%
60-90	547	21.42%
70-100	225	8.81%
90-120	6.20	0.24%
0-90	2545	99.65%
90-180	8.69	0.34%
0-180	2554	100.00%

ISO Lux Diagram



Lux at center:	92 lx
3%	2.76 lx
5%	4.60 lx
10%	9.20 lx
30%	27.60 lx
50%	46.00 lx

Conditions:

Number of planes: 8

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

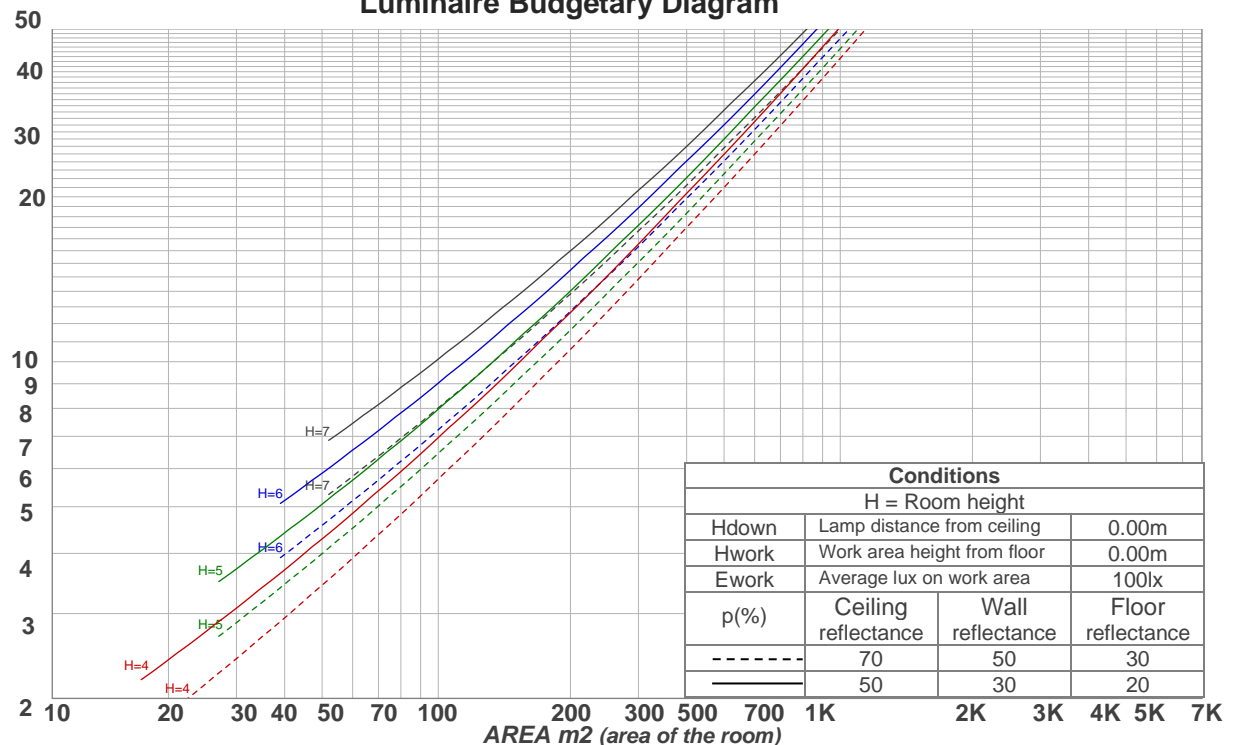
Mounting height: 3.05 meters (10 feet)

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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	47	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	70	56	47	40	68	55	47	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	36	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

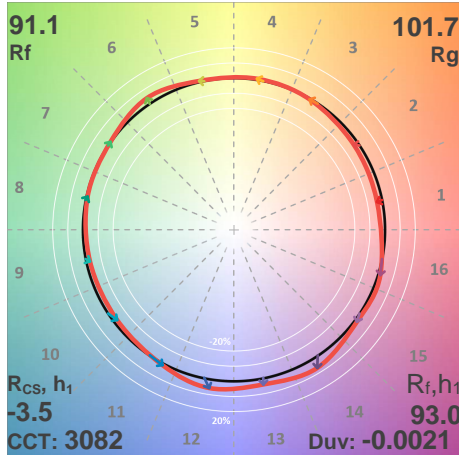
LAMPS (number of lamps)

Luminaire Budgetary Diagram

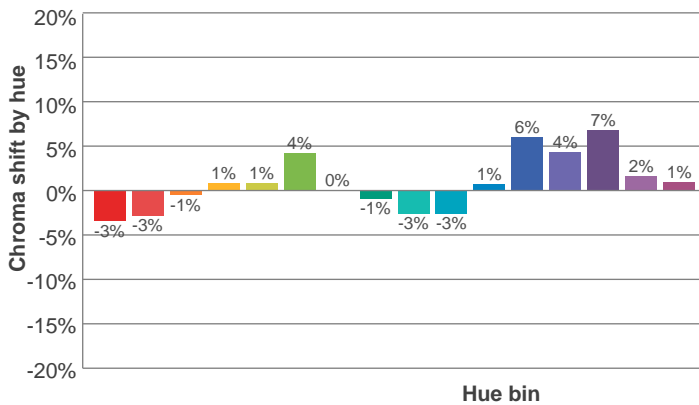
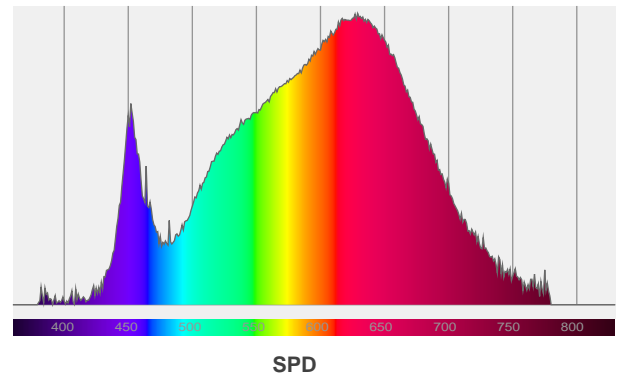
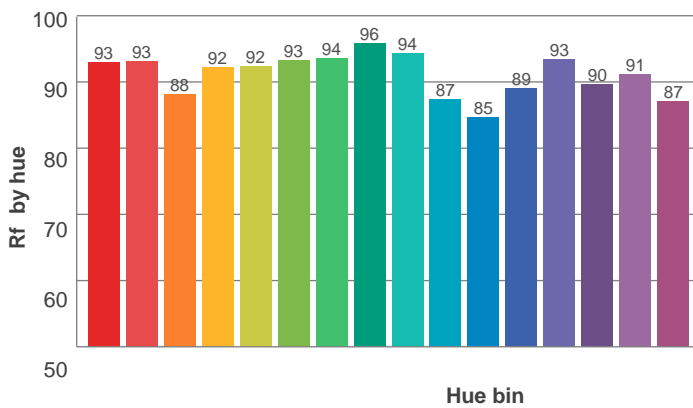
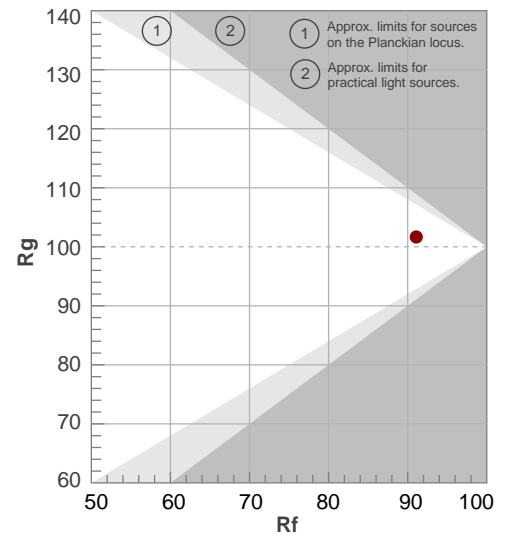


ANSI/IES TM-30-18

P: 2 / V: - / F: 2



Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	93	-3%	-1%
2	93	-3%	3%
3	88	-1%	6%
4	92	1%	4%
5	92	1%	3%
6	93	4%	-1%
7	94	0%	-3%
8	96	-1%	-2%
9	94	-3%	2%
10	87	-3%	7%
11	85	1%	11%
12	89	6%	4%
13	93	4%	-1%
14	90	7%	-5%
15	91	2%	-5%
16	87	1%	-11%



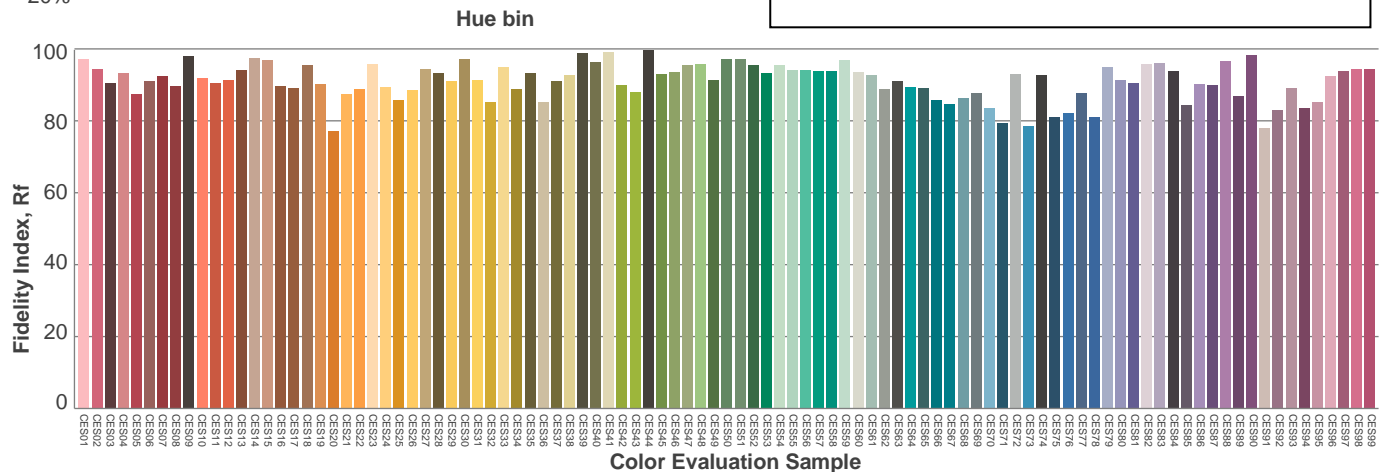
Red: 40.1%, Power=31.0mW

Blue: 8.6%, Power=13.9mW

Green: 23.5%, Power=31.3mW

UVA: 0.2%, Power=0.0mW

Dominant Wavelength: 584nm

1st Peak Wavelength: 629nm2nd Peak Wavelength: 452nm

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	32.5	33.7	32.7	34.0	34.2	32.4	33.6	32.6	33.9	34.1
	3H	34.0	35.2	34.4	35.5	35.7	33.8	35.1	34.2	35.4	35.6
	4H	34.6	35.8	35.0	36.0	36.3	34.4	35.6	34.9	35.9	36.2
	6H	35.1	36.1	35.4	36.4	36.7	34.9	36.0	35.2	36.2	36.6
	8H	35.1	36.1	35.5	36.5	36.9	35.0	36.0	35.4	36.3	36.8
	12H	35.2	36.1	35.5	36.5	36.9	35.1	36.0	35.4	36.4	36.8
4H	2H	33.1	34.3	33.5	34.5	34.8	33.0	34.2	33.4	34.4	34.7
	3H	34.9	35.9	35.3	36.2	36.7	34.8	35.8	35.2	36.1	36.5
	4H	35.5	36.4	36.0	36.9	37.4	35.4	36.3	35.9	36.8	37.3
	6H	36.0	36.9	36.5	37.3	37.6	35.9	36.8	36.4	37.2	37.5
	8H	36.2	37.0	36.7	37.3	37.7	36.1	36.9	36.6	37.3	37.6
	12H	36.2	36.9	36.7	37.3	37.8	36.2	36.8	36.7	37.3	37.7
8H	4H	35.8	36.6	36.3	37.0	37.4	35.7	36.5	36.2	36.9	37.3
	6H	36.5	37.1	37.0	37.5	38.1	36.4	37.0	36.9	37.4	38.0
	8H	36.7	37.2	37.2	37.7	38.4	36.6	37.1	37.1	37.7	38.3
	12H	36.8	37.2	37.4	37.7	38.4	36.7	37.2	37.3	37.7	38.3
12H	4H	35.8	36.5	36.3	36.9	37.4	35.7	36.4	36.2	36.8	37.3
	6H	36.5	37.0	37.0	37.6	38.2	36.4	37.0	37.0	37.5	38.1
	8H	36.7	37.2	37.3	37.7	38.3	36.7	37.1	37.3	37.6	38.2
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 / -0.2				
S = 2.0H		0.4 / -0.5					0.4 / -0.5				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 2554 lm total luminous flux											