

Light efficiency:

51 Lumen/Watt

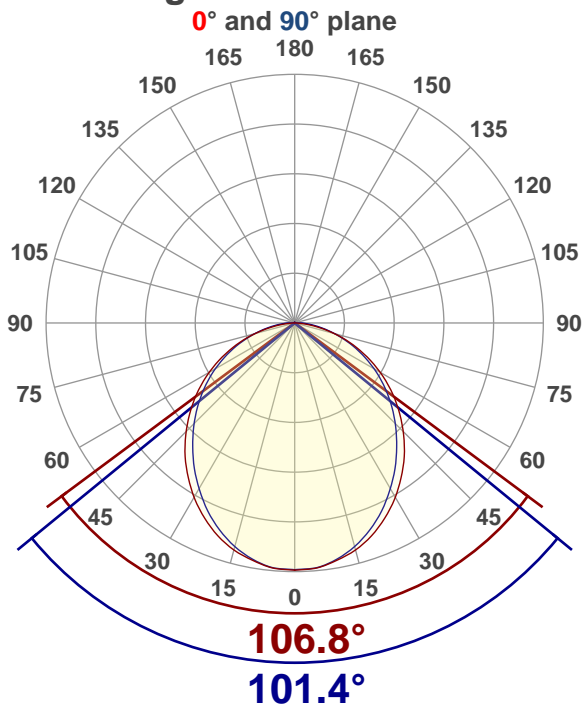
Color temperature:

3069 K

Light quality:

CRI:94.1, R_g:91.5, R_f:102.0**P: 2 / V: - / F: 2****Output: 1495 lm****Peak: 567 cd****Power: 29.5 W****Voltage: 24.0 V****Current: 1.23 A****PF: 1.0****THD: n/a %**

Angular Distribution



Product name:

TP-5030W-3090-20 AL1715 - 1m

Test Date:

2022-03-14

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

103.8°

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

160.3°

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

176.3°

Beam Details

*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	381 lx	35 fc	10.2 ft / 3.1 m
8 ft / 2.4 m	95 lx	9 fc	20.4 ft / 6.2 m
12 ft / 3.7 m	42 lx	4 fc	30.6 ft / 9.3 m
16 ft / 4.9 m	24 lx	2 fc	40.8 ft / 12.4 m
20 ft / 6.1 m	15 lx	1 fc	51 ft / 15.5 m

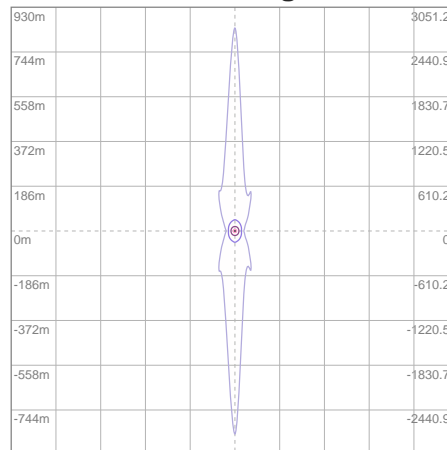
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	425	28.43%
0-40	684	45.75%
0-60	1175	78.60%
60-90	305	20.40%
70-100	134	8.96%
90-120	8.61	0.58%
0-90	1481	99.06%
90-180	14.1	0.94%
0-180	1495	100.00%

ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

Lux at center:	61 lx
3%	1.83 lx
5%	3.05 lx
10%	6.10 lx
30%	18.30 lx
50%	30.50 lx

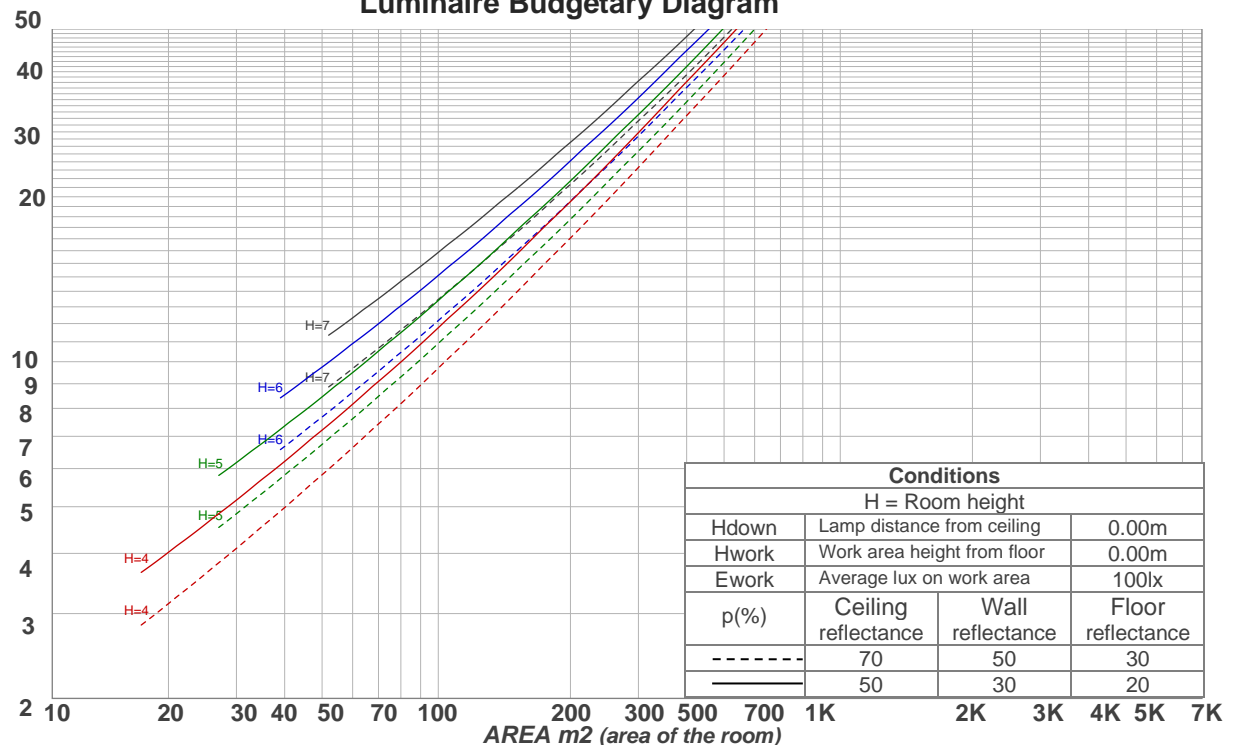
Conditions:
Number of planes: 8
Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	109	104	100	96	106	101	98	94	97	94	91	93	90	88	89	87	85	83
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	78	75	72	69
3	90	80	72	65	88	78	71	64	75	68	63	72	67	62	69	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	48	74	62	54	47	60	53	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	32	43	37	32	30
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	39	33	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

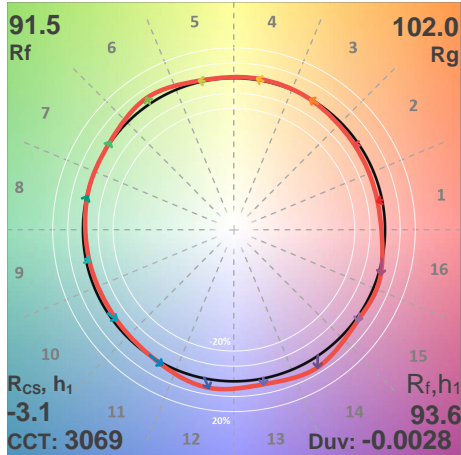
LAMPS (number of lamps)

Luminaire Budgetary Diagram

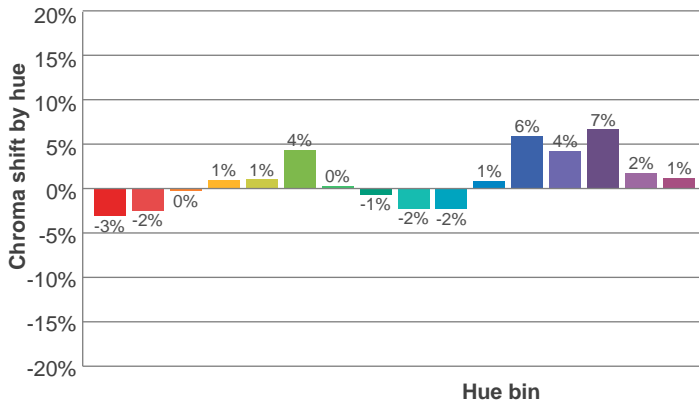
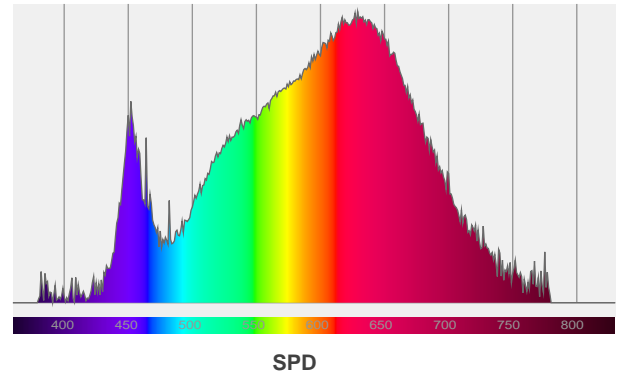
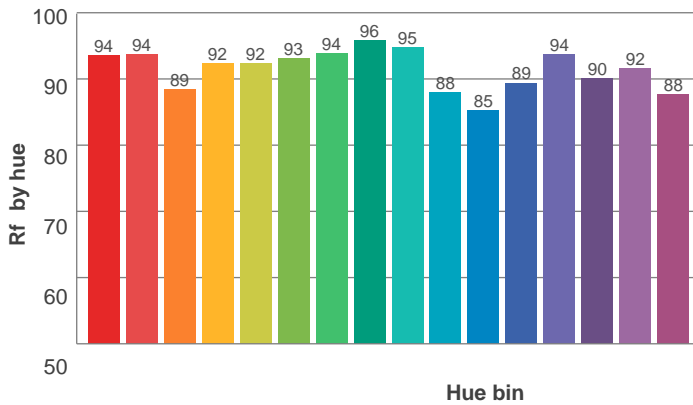
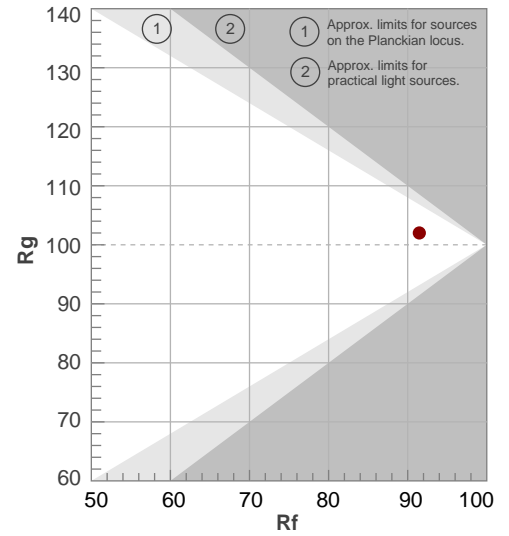


ANSI/IES TM-30-18

P: 2 / V: - / F: 2



Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	94	-2%	2%
3	89	0%	6%
4	92	1%	4%
5	92	1%	3%
6	93	4%	0%
7	94	0%	-3%
8	96	-1%	-3%
9	95	-2%	2%
10	88	-2%	7%
11	85	1%	10%
12	89	6%	4%
13	94	4%	-1%
14	90	7%	-5%
15	92	2%	-5%
16	88	1%	-10%



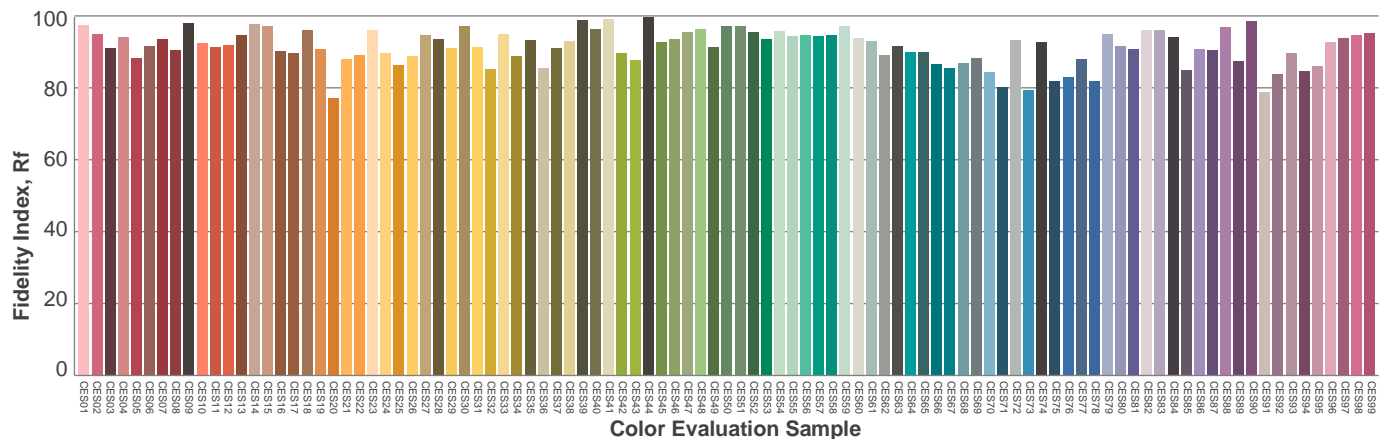
Red: 40.3%, Power=18.7mW

Blue: 8.7%, Power=8.1mW

Green: 23.1%, Power=18.2mW

UVA: 0.4%, 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	24.7	25.9	25.0	26.2	26.5	24.4	25.6	24.6	25.9	26.1
	3H	26.2	27.4	26.6	27.7	27.9	25.8	27.1	26.2	27.4	27.6
	4H	26.8	28.0	27.2	28.2	28.5	26.5	27.7	26.9	27.9	28.2
	6H	27.2	28.3	27.5	28.6	28.9	27.1	28.1	27.4	28.4	28.8
	8H	27.3	28.4	27.7	28.7	29.1	27.3	28.3	27.6	28.6	29.0
	12H	27.4	28.4	27.7	28.7	29.1	27.4	28.4	27.8	28.8	29.2
4H	2H	25.3	26.5	25.7	26.7	27.0	25.0	26.2	25.4	26.5	26.7
	3H	27.0	28.0	27.4	28.4	28.8	26.8	27.8	27.1	28.1	28.6
	4H	27.7	28.6	28.1	29.0	29.6	27.5	28.4	27.9	28.8	29.3
	6H	28.2	29.1	28.7	29.4	29.8	28.1	29.0	28.6	29.4	29.7
	8H	28.4	29.2	28.9	29.5	29.9	28.4	29.2	28.9	29.6	29.9
	12H	28.4	29.1	28.9	29.5	30.0	28.6	29.3	29.1	29.7	30.2
8H	4H	28.0	28.8	28.5	29.1	29.5	27.8	28.6	28.3	28.9	29.3
	6H	28.6	29.3	29.1	29.7	30.3	28.6	29.2	29.1	29.7	30.2
	8H	28.9	29.4	29.4	30.0	30.6	29.0	29.5	29.5	30.0	30.7
	12H	29.1	29.5	29.6	30.0	30.6	29.3	29.8	29.9	30.3	30.9
12H	4H	28.0	28.6	28.5	29.1	29.5	27.8	28.5	28.3	28.9	29.4
	6H	28.7	29.3	29.2	29.8	30.4	28.7	29.2	29.2	29.7	30.4
	8H	29.0	29.5	29.6	30.0	30.6	29.1	29.6	29.7	30.1	30.7
Variation of the observer position for the luminaire distance S											
S = 1.0H		0.1 / -0.1					0.1 / -0.1				
S = 1.5H		0.2 / -0.2					0.1 / -0.2				
S = 2.0H		0.4 / -0.5					0.3 / -0.4				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1495 lm total luminous flux											