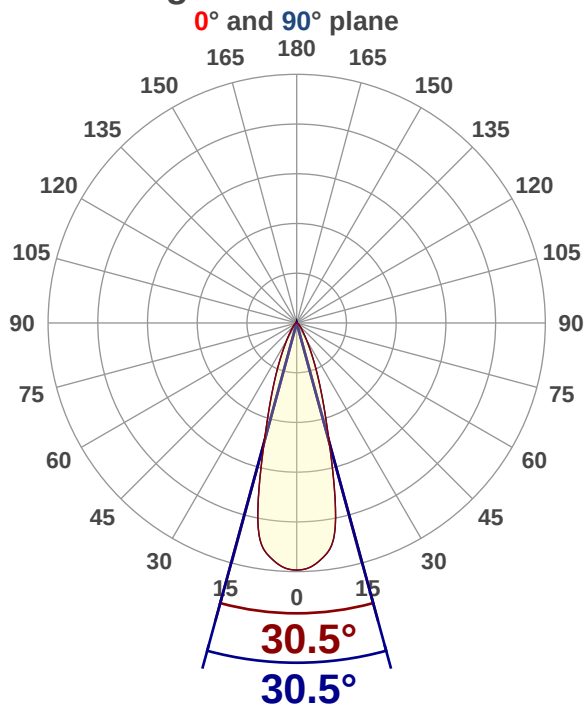


Light efficiency:**78 Lumen/Watt****Color temperature:****2919 K****Light quality:****CRI:93.4, R_g:90.6, R_f:102.4****P: 2 / V: - / F: 2****Output: 1552 lm****Peak: 4237 cd****Power: 19.9 W****Voltage: 120 V****Current: 0.166 A****PF: 0.9****THD: n/a %****Angular Distribution****Product name:****H3x-15DWN00xxxxxx****Test Date:****2022-05-03****Beam Angle (50% of the brightness of the centre):****30.5°****Field Angle (10% of the brightness of the centre):****56.4°****Cut Off Angle (2.5% of the brightness of the centre):****82.3°****Beam Details****measured at centre of beam*

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	2851 lx	265 fc	2.2 ft / 0.7 m
8 ft / 2.4 m	713 lx	66 fc	4.4 ft / 1.3 m
12 ft / 3.7 m	317 lx	29 fc	6.6 ft / 2 m
16 ft / 4.9 m	178 lx	17 fc	8.7 ft / 2.7 m
20 ft / 6.1 m	114 lx	11 fc	10.9 ft / 3.3 m

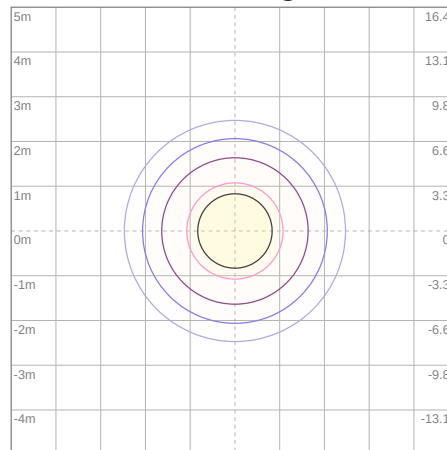
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	1299	83.70%
0-40	1424	91.75%
0-60	1526	98.32%
60-90	23.5	1.51%
70-100	8.43	0.54%
90-120	1.81	0.12%
0-90	1550	99.87%
90-180	2.13	0.14%
0-180	1552	100.00%

ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

Lux at center:	455 lx
3%	13.65 lx
5%	22.75 lx
10%	45.50 lx
30%	136.50 lx
50%	227.50 lx

Conditions:

Number of planes: 8

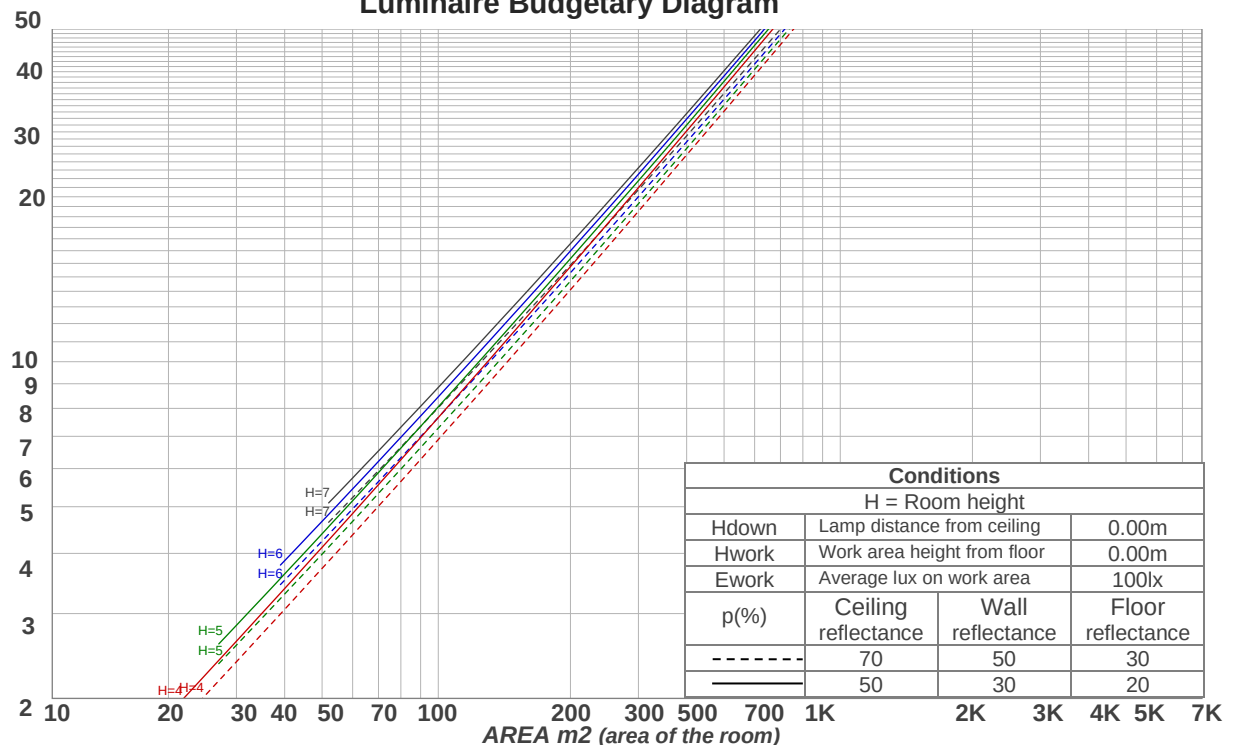
Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

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	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	87	85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81
5	97	90	85	81	95	89	84	81	87	83	80	85	82	79	84	81	78	77
6	93	86	80	77	92	85	80	77	83	79	76	82	78	76	81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	75	72	71
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68
9	84	76	71	67	83	75	70	67	74	70	67	73	70	67	73	69	67	65
10	81	73	68	65	80	72	68	65	72	67	64	71	67	64	70	67	64	63

LAMPS (number of lamps)

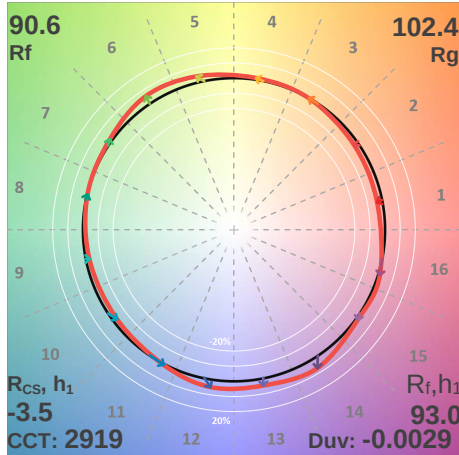
Luminaire Budgetary Diagram



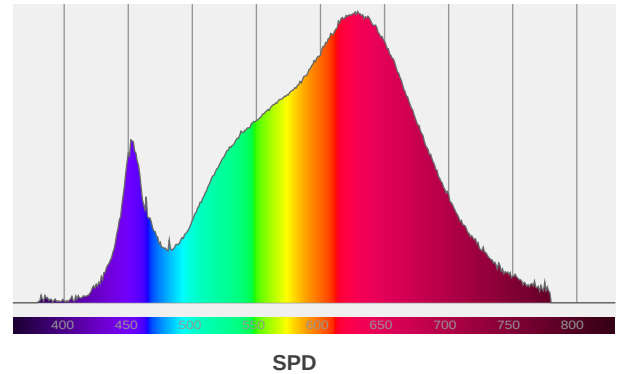
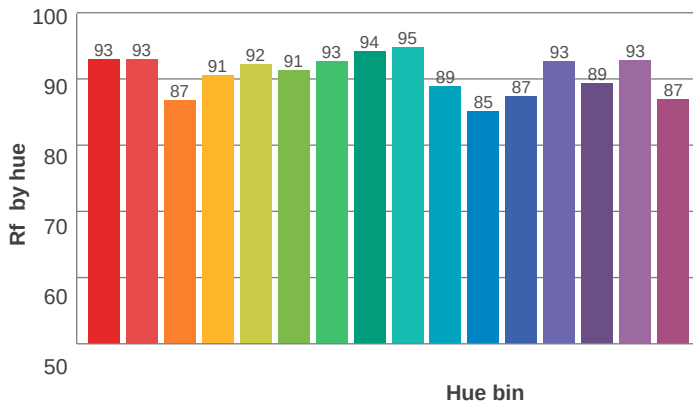
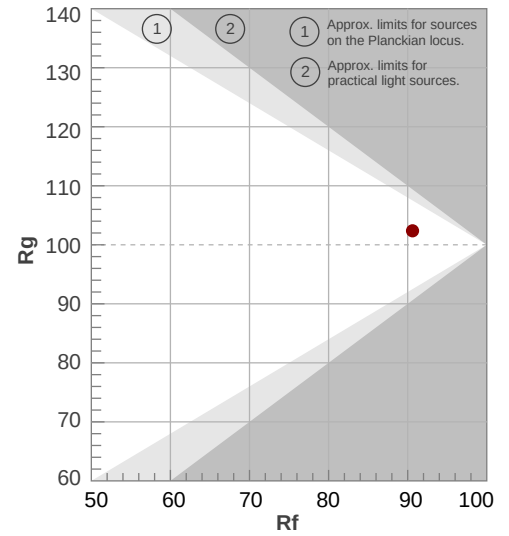
Photometric Testing Report

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	87	0%	7%
4	91	1%	5%
5	92	4%	4%
6	91	6%	-1%
7	93	1%	-4%
8	94	-1%	-4%
9	95	-3%	1%
10	89	-3%	6%
11	85	0%	11%
12	87	5%	5%
13	93	5%	-1%
14	89	7%	-5%
15	93	1%	-4%
16	87	1%	-11%



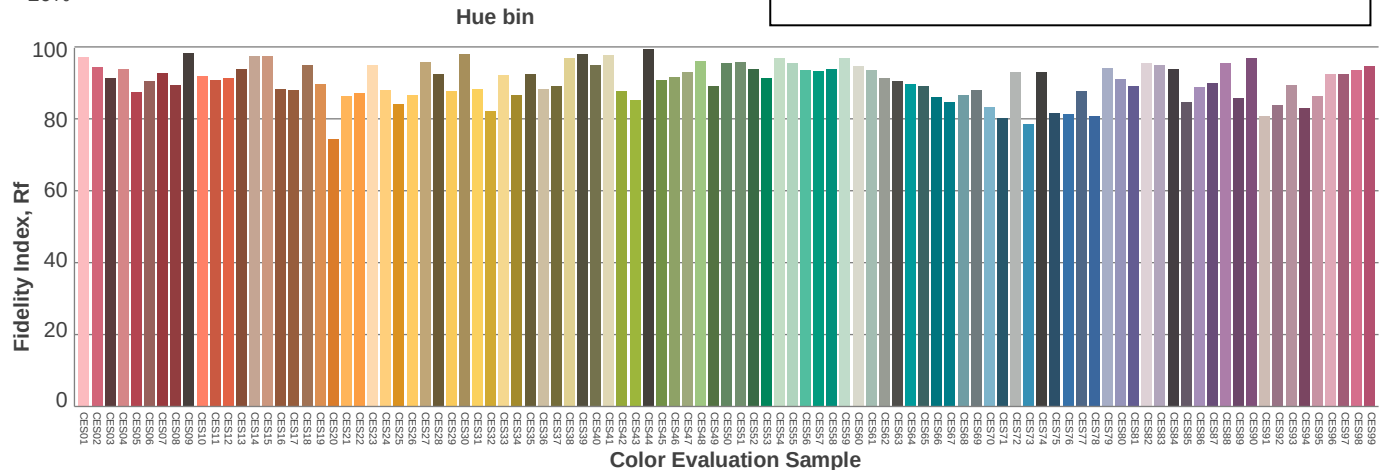
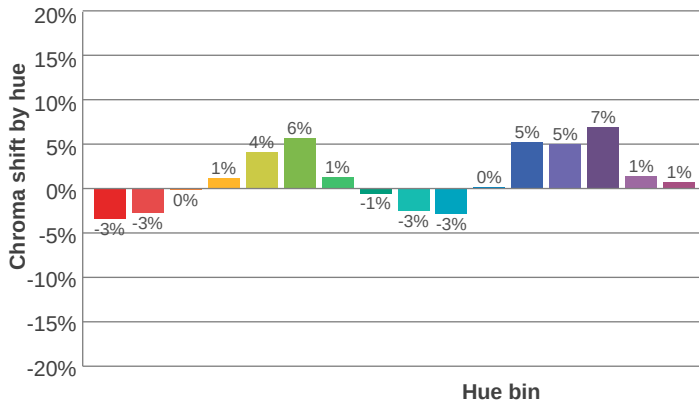
Red: 41.2%, Power=18.7mW

Blue: 7.9%, Power=8.0mW

Green: 22.9%, Power=19.0mW

UVA: 0.1%, Power=0.0mW

Dominant Wavelength: 585nm

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	16.9	17.4	17.0	17.7	17.8	16.9	17.4	17.0	17.7	17.8
	3H	16.9	17.5	17.2	17.7	17.9	16.9	17.5	17.2	17.7	17.9
	4H	16.8	17.5	17.2	17.7	17.9	16.8	17.5	17.2	17.7	17.9
	6H	16.9	17.4	17.2	17.7	18.1	16.9	17.4	17.2	17.7	18.1
	8H	16.9	17.4	17.2	17.7	18.1	16.9	17.4	17.2	17.7	18.1
	12H	16.9	17.4	17.2	17.7	18.2	16.9	17.4	17.2	17.7	18.2
4H	2H	16.8	17.5	17.2	17.7	18.0	16.8	17.5	17.2	17.7	18.0
	3H	17.0	17.5	17.4	17.9	18.3	17.0	17.5	17.4	17.9	18.3
	4H	17.0	17.4	17.4	17.9	18.4	17.0	17.4	17.4	17.9	18.4
	6H	17.0	17.5	17.5	17.8	18.2	17.0	17.5	17.5	17.8	18.2
	8H	17.0	17.5	17.5	17.8	18.2	17.0	17.5	17.5	17.8	18.2
	12H	17.0	17.4	17.5	17.8	18.3	17.0	17.4	17.5	17.8	18.3
8H	4H	16.9	17.3	17.4	17.7	18.0	16.9	17.3	17.4	17.7	18.0
	6H	16.9	17.3	17.4	17.7	18.2	16.9	17.3	17.4	17.7	18.2
	8H	17.0	17.3	17.6	17.8	18.4	17.0	17.3	17.6	17.8	18.4
	12H	17.2	17.4	17.7	17.9	18.5	17.2	17.4	17.7	17.9	18.5
12H	4H	16.8	17.2	17.3	17.6	18.1	16.8	17.2	17.3	17.6	18.1
	6H	17.0	17.2	17.5	17.7	18.3	17.0	17.2	17.5	17.7	18.3
	8H	17.0	17.2	17.6	17.7	18.3	17.0	17.2	17.6	17.7	18.3
Variation of the observer position for the luminaire distance S											
S = 1.0H		1.9 / -1.2					1.9 / -1.2				
S = 1.5H		3.6 / -2.5					3.6 / -2.5				
S = 2.0H		5.2 / -4.1					5.2 / -4.1				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1552 lm total luminous flux											