

Light efficiency:

88 Lumen/Watt

Color temperature:

3062 K

Light quality:

CRI:90.6, R_g:89.0, R_f:102.4

P: 2 / V: - / F: 3

Output: 1876 lm

Peak: 10414 cd

Power: 21.2 W

Voltage: 120 V

Current: 0.177 A

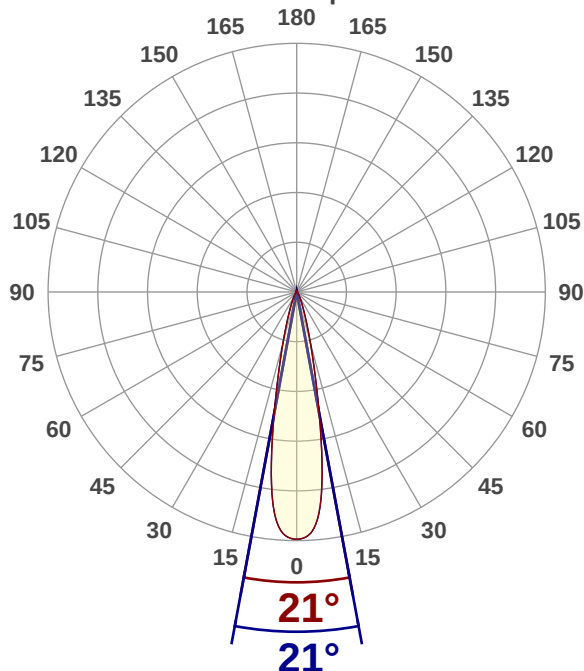
PF: 0.9

THD: n/a %



Angular Distribution

0° and 90° plane



Product name:

H3T-1830N00CXN-RM1

Test Date:

2021-06-21

Beam Angle (50% of the brightness of the centre):
21°Field Angle (10% of the brightness of the centre):
38.6°Cut Off Angle (2.5% of the brightness of the centre):
59.9°

Beam Details

*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	7006 lx	651 fc	1.5 ft / 0.5 m
8 ft / 2.4 m	1751 lx	163 fc	3 ft / 0.9 m
12 ft / 3.7 m	778 lx	72 fc	4.4 ft / 1.4 m
16 ft / 4.9 m	438 lx	41 fc	5.9 ft / 1.8 m
20 ft / 6.1 m	280 lx	26 fc	7.4 ft / 2.3 m

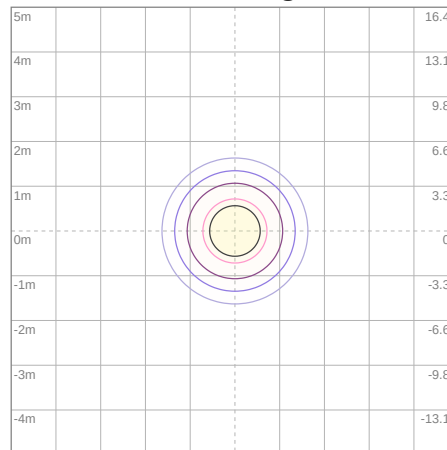
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	1683	89.71%
0-40	1786	95.20%
0-60	1837	97.92%
60-90	18.1	0.96%
70-100	12.4	0.66%
90-120	8.21	0.44%
0-90	1855	98.88%
90-180	20.2	1.08%
0-180	1876	100.00%

ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

Lux at center:	1119 lx
3%	33.57 lx
5%	55.95 lx
10%	111.90 lx
30%	335.70 lx
50%	559.50 lx

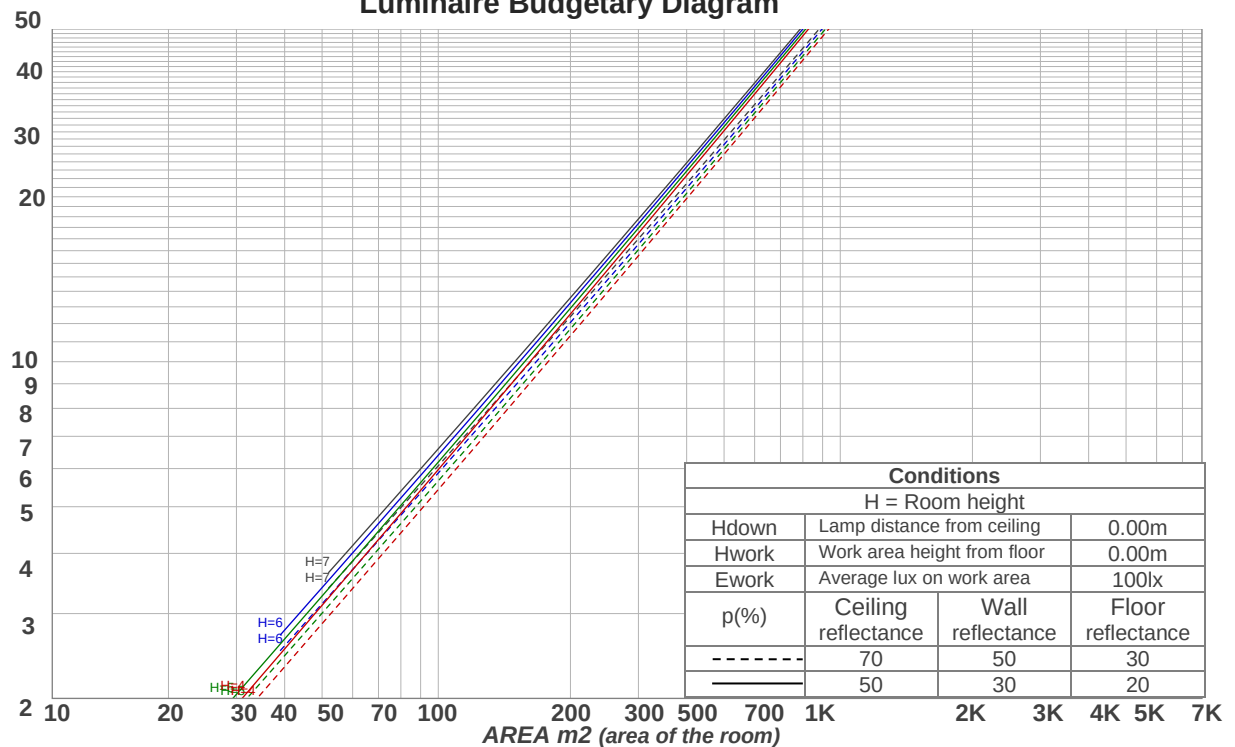
Conditions:
Number of planes: 8
Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

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	115	112	110	109	112	110	108	107	106	105	103	102	101	100	99	98	97	95
2	111	107	104	101	109	105	103	100	102	100	98	99	97	96	96	95	94	92
3	107	102	99	96	105	101	98	95	98	96	93	96	94	92	94	92	90	89
4	104	98	94	91	102	97	94	91	95	92	90	93	91	89	91	89	87	86
5	101	95	91	88	99	94	90	87	92	89	86	91	88	86	89	87	85	84
6	98	92	88	85	97	91	87	84	90	86	84	88	85	83	87	84	82	81
7	95	89	85	82	94	88	84	82	87	84	81	86	83	81	85	82	80	79
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	81	78	76	75
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	79	77	75	74

LAMPS (number of lamps)

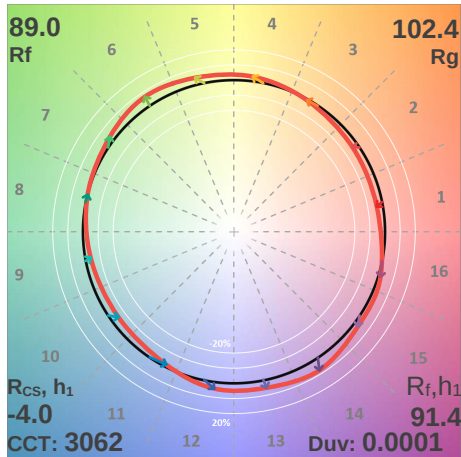
Luminaire Budgetary Diagram



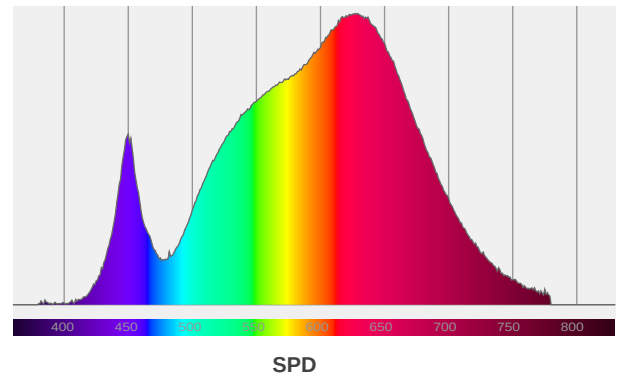
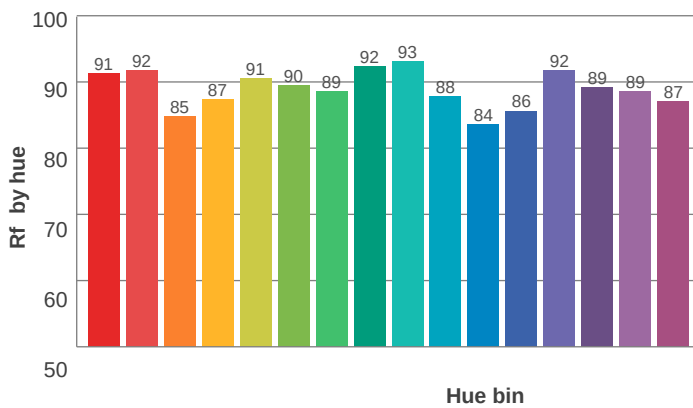
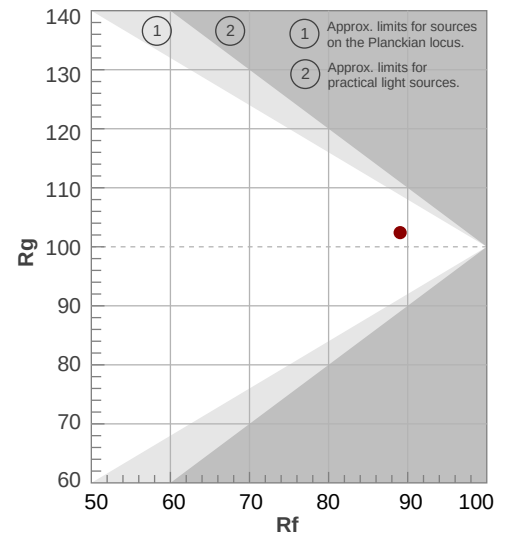
Photometric Testing Report

ANSI/IES TM-30-18

P: 2 / V: - / F: 3



Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	91	-4%	-2%
2	92	-4%	3%
3	85	-1%	8%
4	87	3%	8%
5	91	5%	5%
6	90	7%	-1%
7	89	3%	-7%
8	92	0%	-5%
9	93	-4%	-2%
10	88	-5%	5%
11	84	-2%	12%
12	86	4%	8%
13	92	6%	1%
14	89	8%	-4%
15	89	3%	-7%
16	87	1%	-10%



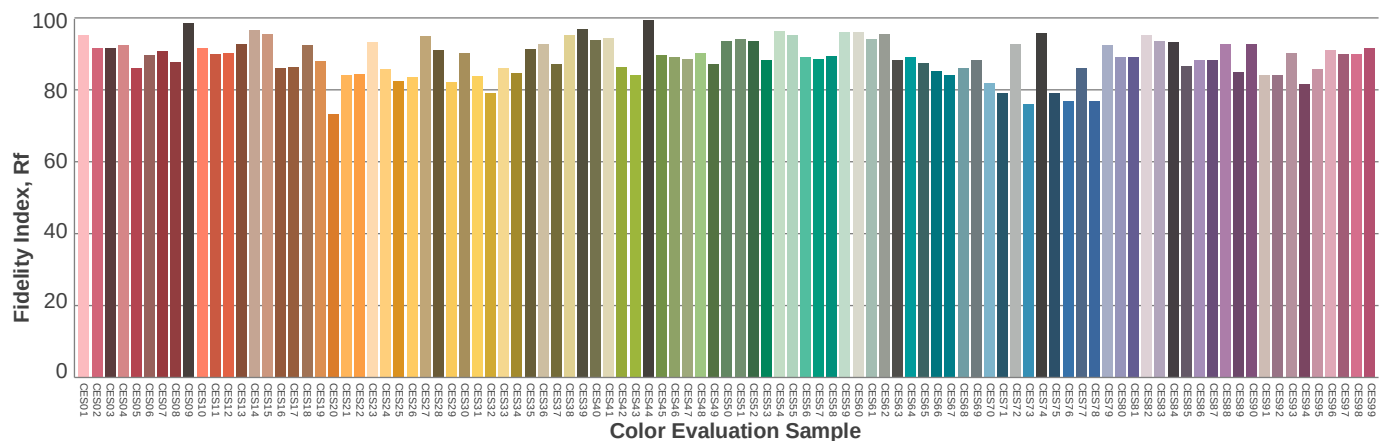
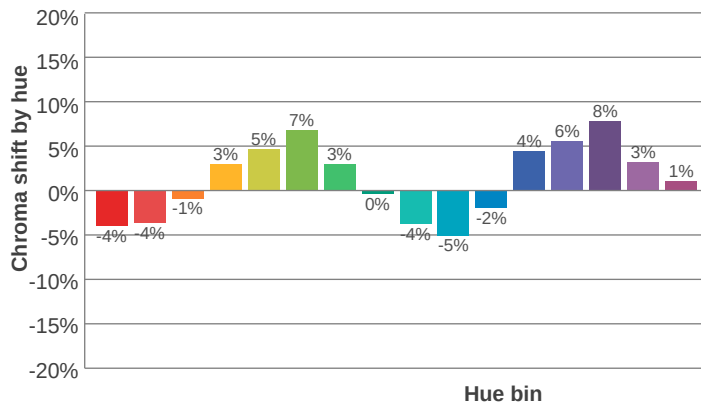
Red: 39.6%, Power=20.8mW

Blue: 6.8%, Power=7.0mW

Green: 24.6%, Power=24.0mW

UVA: 0.1%, Power=0.0mW

Dominant Wavelength: 583nm

1st Peak Wavelength: 627nm2nd Peak Wavelength: 450nm

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	12.7	13.1	12.7	13.3	13.5	12.7	13.1	12.7	13.3	13.5
	3H	12.8	13.3	13.1	13.5	13.7	12.8	13.3	13.1	13.5	13.7
	4H	12.9	13.5	13.4	13.7	14.0	12.9	13.5	13.4	13.7	14.0
	6H	13.2	13.7	13.5	14.0	14.4	13.2	13.7	13.5	14.0	14.4
	8H	13.3	13.8	13.7	14.1	14.5	13.3	13.8	13.7	14.1	14.5
	12H	13.5	13.9	13.8	14.3	14.7	13.5	13.9	13.8	14.3	14.7
4H	2H	12.4	13.0	12.8	13.2	13.5	12.4	13.0	12.8	13.2	13.5
	3H	12.9	13.3	13.3	13.7	14.1	12.9	13.3	13.3	13.7	14.1
	4H	13.2	13.6	13.6	14.0	14.5	13.2	13.6	13.6	14.0	14.5
	6H	13.5	14.0	14.0	14.3	14.7	13.5	14.0	14.0	14.3	14.7
	8H	13.7	14.1	14.2	14.5	14.9	13.7	14.1	14.2	14.5	14.9
	12H	14.0	14.3	14.5	14.7	15.2	14.0	14.3	14.5	14.7	15.2
8H	4H	13.2	13.7	13.8	14.0	14.4	13.2	13.7	13.8	14.0	14.4
	6H	13.8	14.0	14.3	14.5	15.0	13.8	14.0	14.3	14.5	15.0
	8H	14.1	14.3	14.6	14.8	15.5	14.1	14.3	14.6	14.8	15.5
	12H	14.5	14.7	15.1	15.2	15.8	14.5	14.7	15.1	15.2	15.8
12H	4H	13.2	13.5	13.7	14.0	14.4	13.2	13.5	13.7	14.0	14.4
	6H	13.8	14.0	14.4	14.6	15.2	13.8	14.0	14.4	14.6	15.2
	8H	14.2	14.4	14.8	14.9	15.5	14.2	14.4	14.8	14.9	15.5
Variation of the observer position for the luminaire distance S											
S = 1.0H		1.9 / -1.3					1.9 / -1.3				
S = 1.5H		3.8 / -1.5					3.8 / -1.5				
S = 2.0H		5.4 / -1.7					5.4 / -1.7				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1876 lm total luminous flux											