

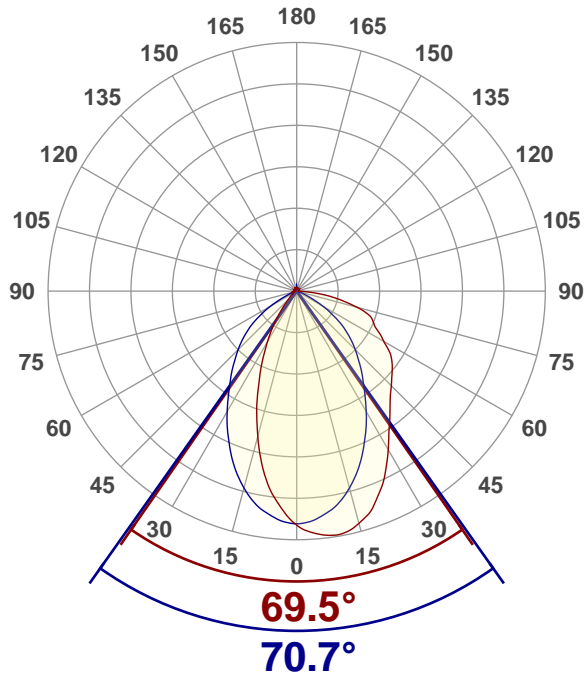
## Light efficiency:


**33 Lumen/Watt**

## Light quality:


**CRI: 94.9**

## Color temperature:


**3046 K**
**Output: 460 lm****Peak: 293 cd****Power: 13.8 W****Voltage: 120 V****Current: 0.115 A****PF: 0.9****THD: n/a %**

Product name:

**H2-55D-RWW-RD-WHWH-Min\_H-Min\_T-Min\_D**

Driver Used:

Test Date:

**2020-01-23**

Beam Angle:

**68.7°**

Field Angle:

**122.7°**

Cut Off Angle:

**142.3°****Beam details**

\*measured at center of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	185 lx	17 fcd	5.5 ft / 1.7 m
8 ft / 2.4 m	46 lx	4 fcd	10.9 ft / 3.3 m
12 ft / 3.7 m	21 lx	2 fcd	16.4 ft / 5 m
16 ft / 4.9 m	12 lx	1 fcd	21.9 ft / 6.7 m
20 ft / 6.1 m	7 lx	1 fcd	27.3 ft / 8.3 m

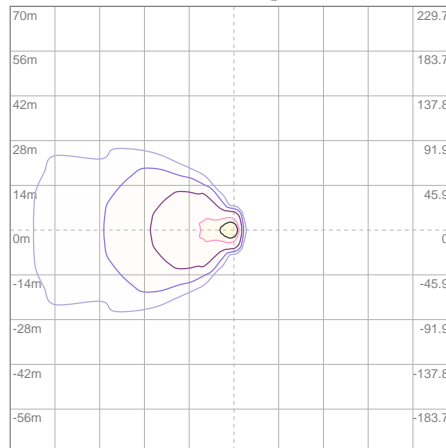
Beam center

# Light planning Photometric Testing Report

## Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	174	37.83%
0-40	254	55.22%
0-60	375	81.52%
60-90	64.2	13.96%
70-100	33.8	7.35%
90-120	9.69	2.11%
0-90	440	95.65%
90-180	20.1	4.37%
0-180	460	100.00%

## ISO lux diagram



Mounting height: 3.05 meters (10 feet)

Lux at center:	30 lx
3%	0.90 lx
5%	1.50 lx
10%	3.00 lx
30%	9.00 lx
50%	15.00 lx

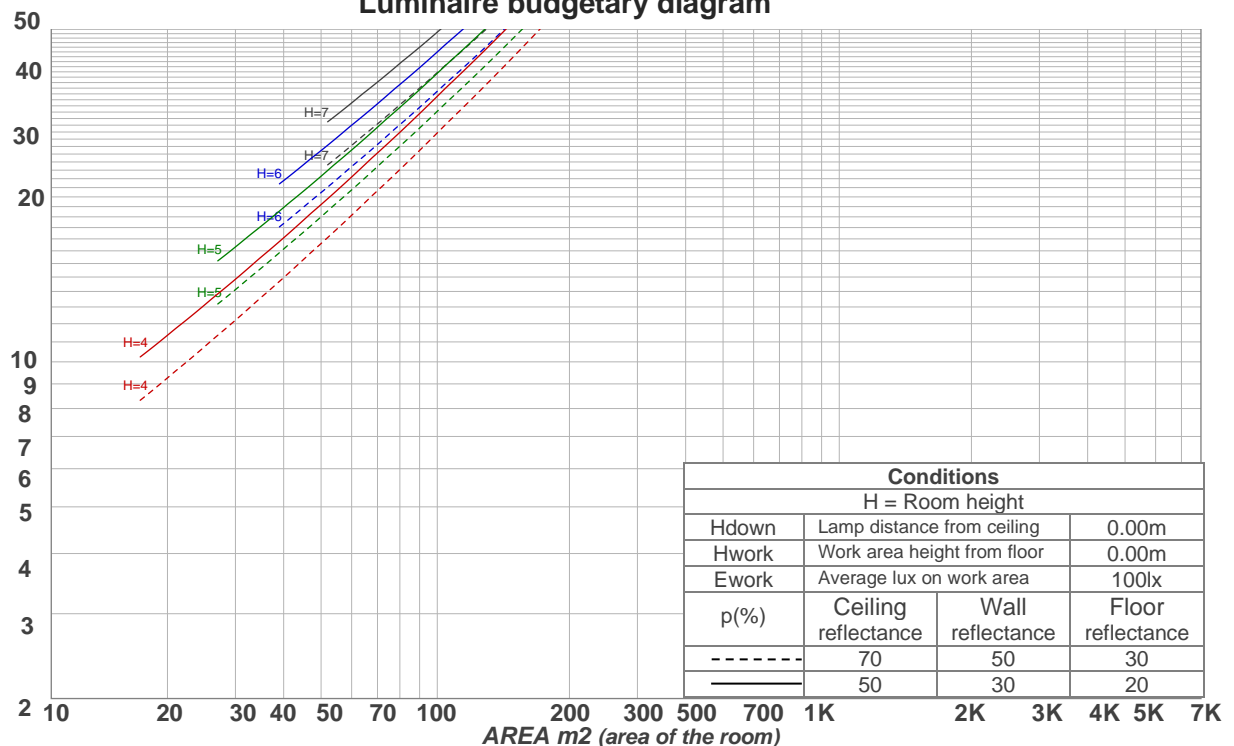
Conditions:  
Number of planes: 16  
Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

## 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	103	103	103	98	98	98	96
1	109	105	101	97	106	102	99	95	97	94	92	92	90	88	88	86	85	82
2	100	93	87	82	97	91	85	81	87	82	78	83	79	76	79	76	73	71
3	93	83	76	70	90	81	75	69	78	72	68	75	70	66	72	68	64	62
4	86	75	67	61	83	73	66	61	71	64	59	68	62	58	65	61	57	55
5	80	68	60	54	77	67	59	54	64	58	53	62	56	52	60	55	51	49
6	74	62	54	48	72	61	53	48	59	52	47	57	51	46	55	50	46	44
7	69	57	49	44	67	56	49	43	54	48	43	53	47	42	51	46	42	40
8	65	53	45	40	63	52	44	39	50	44	39	49	43	38	47	42	38	36
9	61	49	41	36	60	48	41	36	47	40	36	45	39	35	44	39	35	33
10	58	45	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31

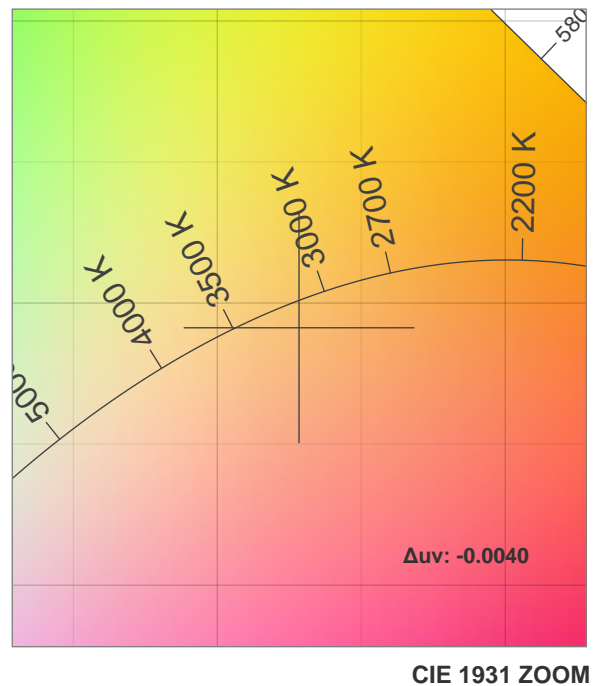
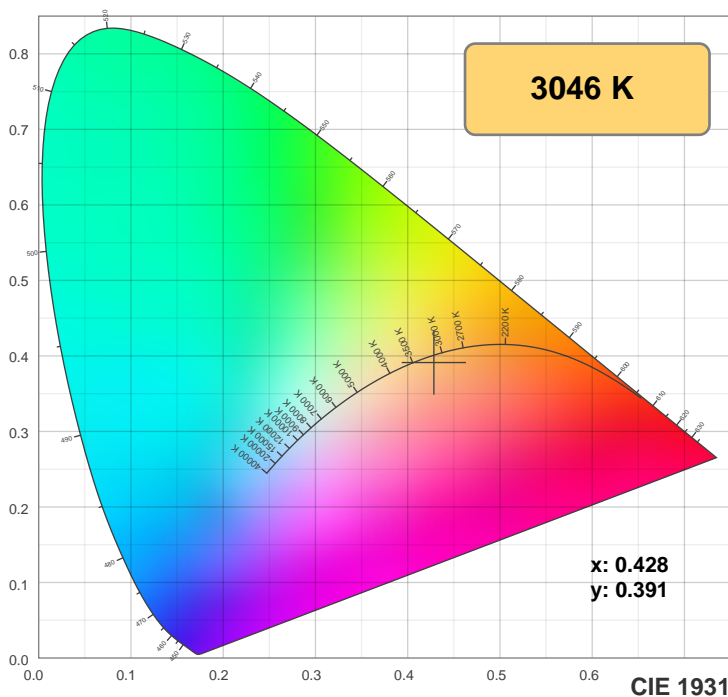
LAMPS (number of lamps)

## Luminaire budgetary diagram

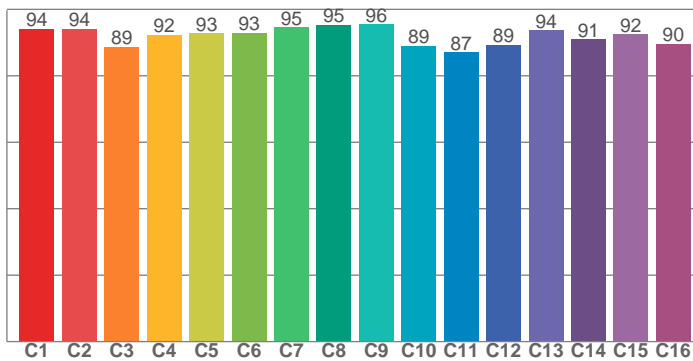


## Color details

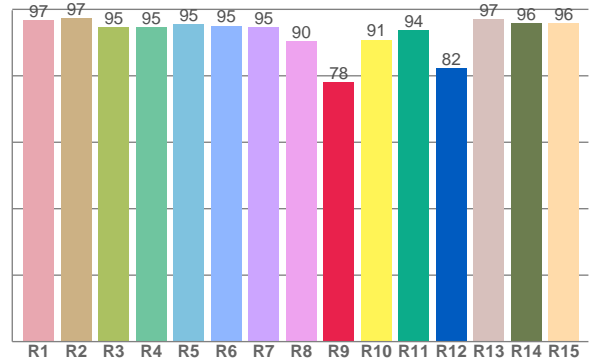
## Photometric Testing Report



TM30: 92.1



CRI: 94.9 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.7	97.3	94.7	94.6	95.4	95.1	94.7	90.4	78.0	90.8	93.7	82.2	97.1	95.9	95.8

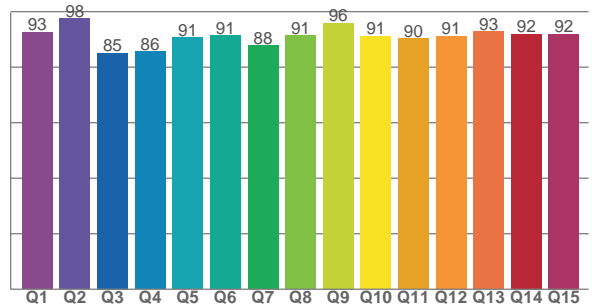
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.2	94.1	88.7	92.4	92.7	92.9	94.5	95.3	95.5	89.0	87.1	89.3	93.7	91.0	92.5	89.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.6	97.6	85.2	85.7	90.6	91.4	87.8	91.4	95.9	91.1	90.3	91.2	92.9	92.0	92.0

CQS: 90.5



## Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3046 K	94.9	78.0	92.1	102.0	90.5	0.428	0.391	0.251	0.343	-0.0040

# UGR Photometric Testing Report

## 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				
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Variation of the observer position for the luminaire distance S										
n/a	n/a					n/a				
n/a	n/a					n/a				
n/a	n/a					n/a				
Standard table	n/a					n/a				
Correction summand	n/a					n/a				
Corrected glare indices referring to 460 lm total luminous flux										

UGR data could not be calculated due to missing/wrong symmetry. Goto Edit->Photometric->Corrections and select Correct asymmetry.

Due to our continued efforts to improve our products, product specifications are subject to change without notice. Please refer to our website for the latest test results.