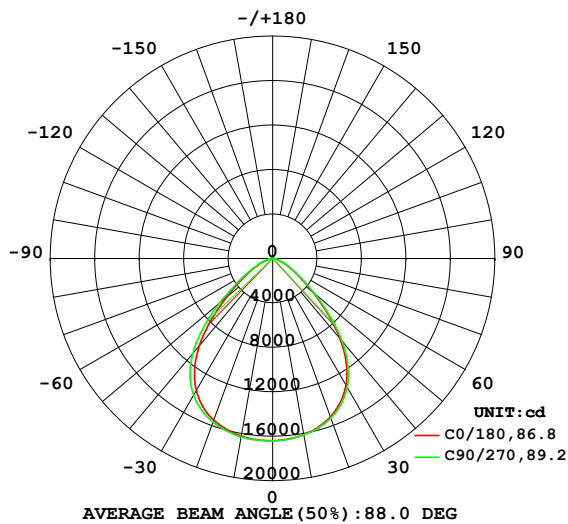


LUMINAIRE PHOTOMETRIC TEST REPORT

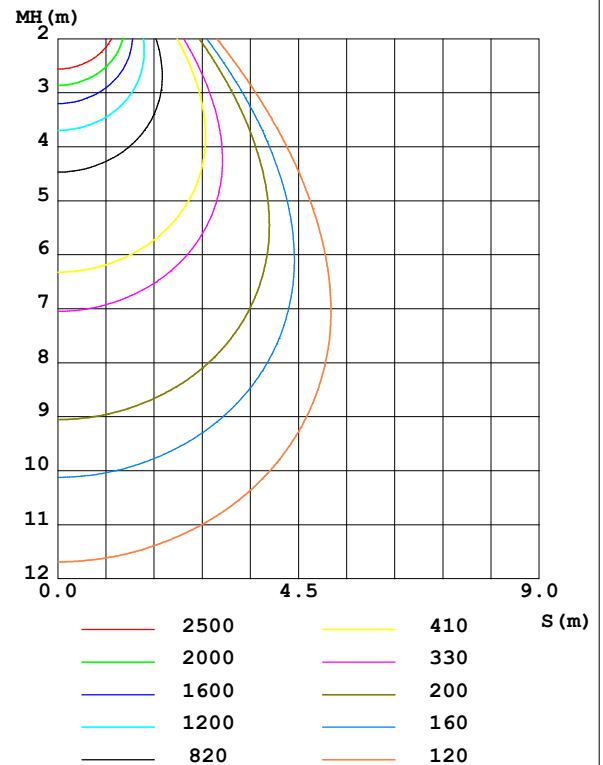
Test:U:230.37V I:0.8431A P:190.93W PF:0.9831 Freq:50.00Hz Lamp Flux:31459.4x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 5000K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 164.77 lm/W
MODEL	兆驰2835	Imax (cd)	16433	S/MH (C0/180)	1.24	
NOMINAL POWER(W)	200	LOR (%)	100.0	S/MH (C90/270)	1.27	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	31459	η UP,DN (C0-180)	0.0,47.6	
NOMINAL FLUX(lm)	31459.4	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,52.4	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	230	η down (%)	100.0	CIBSE SHR MAX	1.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.1℃
Operators:
Test Date: 2026-8-25

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity: 50.0%
Test Distance: 10.026m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1609	1614	1612	1609	1623	1629	1631	1627	0- 10	1557	1557	4.95, 4.95
20	1518	1539	1529	1507	1549	1570	1569	1548	10- 20	4483	6039	19.2, 19.2
30	1319	1369	1342	1283	1375	1429	1423	1376	20- 30	6750	12789	40.7, 40.7
40	943.9	1014	975.3	891.9	1031	1101	1117	1045	30- 40	7538	20327	64.6, 64.6
50	469.9	460.4	491.0	464.4	543.8	539.9	620.7	590.9	40- 50	5890	26217	83.3, 83.3
60	200.6	183.7	205.1	216.1	240.0	217.6	258.0	274.6	50- 60	3146	29363	93.3, 93.3
70	77.62	71.20	76.32	81.99	100.4	88.20	101.9	110.6	60- 70	1466	30829	98, 98
80	18.18	17.87	17.90	18.50	29.92	25.76	30.05	34.49	70- 80	554.5	31384	99.8, 99.8
90	0.4157	0.3928	0.4283	0.4571	0.3379	0.3244	0.3455	0.3793	80- 90	75.71	31459	100, 100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:X10cd									UNIT: lm		

Conical surface Flux(90deg): 23629 lm

%lum = 75.1%

%lamp = 75.1%

Conical surface Flux(120deg): 29363 lm

%lum = 93.3%

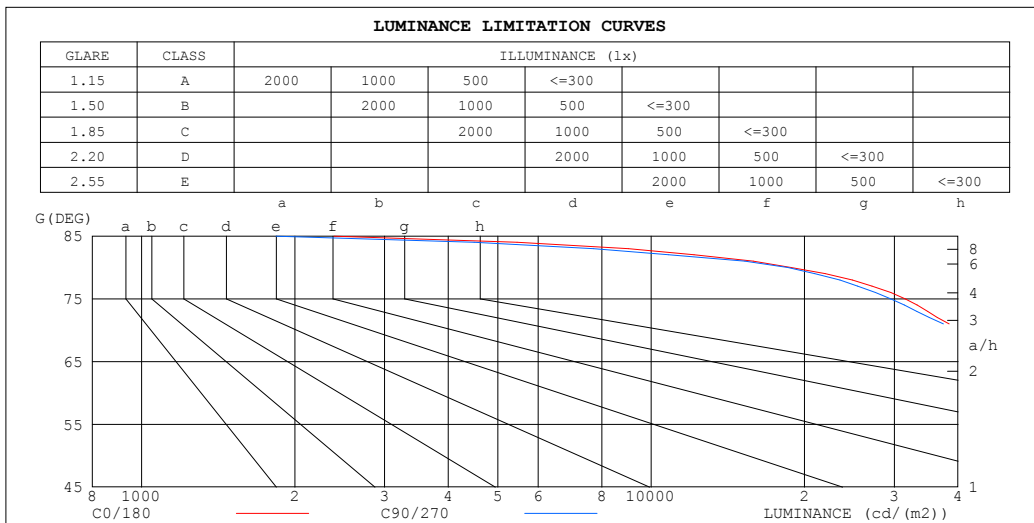
%lamp = 93.3%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: MEDIUM
 Temperature:25.1℃
 Operators:
 Test Date:2026-8-25

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.462
 Humidity:50.0%
 Test Distance:10.026m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.37V I:0.8431A P:190.93W PF:0.9831 Freq:50.00Hz Lamp Flux:31459.4x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 5000K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2387	1837
80	18847	18559
75	31528	29543
70	40858	40173
65	55605	55648
60	72223	73850
55	95165	100543
50	131629	137514
45	177729	183086

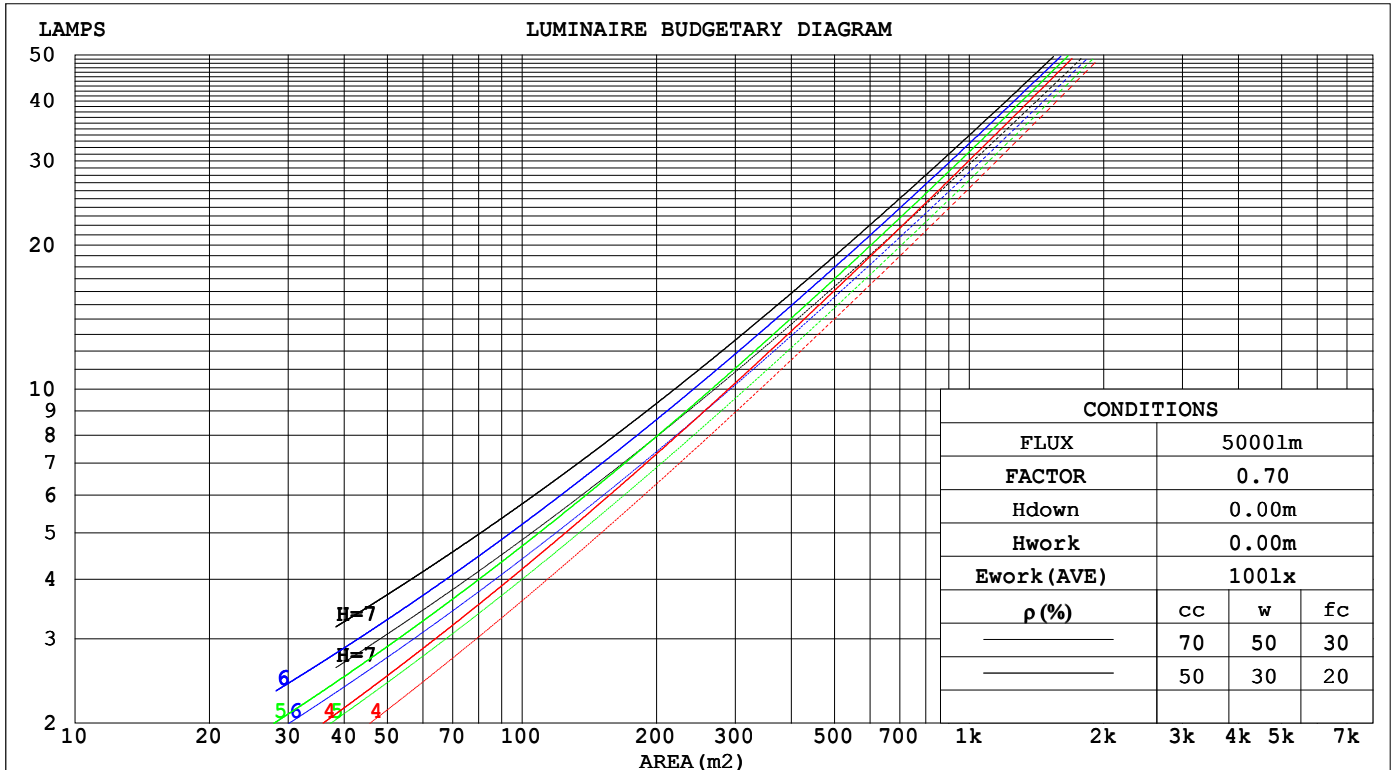
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.1℃
Operators:
Test Date: 2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity: 50.0%
Test Distance: 10.026m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.37V I:0.8431A P:190.93W PF:0.9831 Freq:50.00Hz Lamp Flux:31459.4x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 5000K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.1℃
Operators:
Test Date:2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity:50.0%
Test Distance:10.026m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.37V I:0.8431A P:190.93W PF:0.9831 Freq:50.00Hz Lamp Flux:31459.4x1 lm																	
NAME: CV-200W						TYPE: 90D						WEIGHT:					
SPEC.: 5000K-RA80-520L						DIM.:						SERIAL No.:					
MFR.:						SUR.: 0.133m*0.133m*3.14						Shielding Angle:					

pcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.234	.133	.042	.227	.130	.041	.215	.123	.039	.203	.117	.038	.192	.111	.036		
2.0	.228	.125	.038	.222	.122	.038	.211	.117	.036	.201	.113	.035	.191	.108	.034		
3.0	.217	.116	.035	.212	.114	.034	.202	.110	.033	.193	.106	.033	.185	.102	.032		
4.0	.206	.107	.031	.201	.105	.031	.192	.102	.030	.185	.099	.030	.177	.096	.029		
5.0	.194	.099	.029	.190	.098	.028	.183	.095	.028	.176	.093	.028	.169	.090	.027		
6.0	.183	.092	.026	.180	.091	.026	.173	.089	.026	.167	.087	.025	.161	.085	.025		
7.0	.173	.086	.024	.170	.085	.024	.164	.083	.024	.158	.081	.024	.153	.080	.023		
8.0	.164	.080	.023	.161	.079	.022	.156	.078	.022	.151	.076	.022	.146	.075	.022		
9.0	.155	.075	.021	.153	.075	.021	.148	.073	.021	.144	.072	.021	.139	.071	.020		
10.0	.148	.071	.020	.145	.070	.020	.141	.069	.019	.137	.068	.019	.133	.067	.019		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.175	.157	.140	.150	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.164	.132	.106	.140	.114	.091	.096	.079	.064	.055	.046	.037	.018	.015	.012	
3.0	.154	.114	.082	.132	.098	.071	.091	.068	.050	.052	.040	.029	.017	.013	.010	
4.0	.146	.100	.065	.125	.086	.056	.086	.060	.040	.050	.035	.023	.016	.011	.008	
5.0	.139	.089	.053	.119	.077	.046	.082	.054	.032	.048	.032	.019	.015	.010	.006	
6.0	.132	.080	.044	.113	.070	.038	.078	.049	.027	.045	.029	.016	.015	.009	.005	
7.0	.126	.073	.037	.108	.064	.032	.075	.045	.023	.043	.026	.013	.014	.009	.004	
8.0	.120	.068	.031	.103	.059	.027	.071	.041	.019	.042	.024	.012	.013	.008	.004	
9.0	.115	.063	.027	.099	.054	.024	.068	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.110	.058	.024	.095	.051	.021	.066	.036	.015	.038	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.1℃
Operators:
Test Date:2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity:50.0%
Test Distance:10.026m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.37V I:0.8431A P:190.93W PF:0.9831 Freq:50.00Hz Lamp Flux:31459.4x1 lm											
NAME: CV-200W					TYPE: 90D			WEIGHT:			
SPEC.: 5000K-RA80-520L					DIM.:			SERIAL No.:			
MFR.:					SUR.: 0.133m*0.133m*3.14			Shielding Angle:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	Viewed crosswise					Viewed endwise					
x = 2H y = 2H	24.8	26.2	25.2	26.5	26.8	25.6	27.0	26.0	27.3	27.6	
	3H	25.5	26.7	25.9	27.1	27.4	26.2	27.4	26.6	27.8	28.1
	4H	25.7	26.8	26.1	27.2	27.6	26.4	27.5	26.8	27.8	28.2
	6H	25.8	26.8	26.2	27.2	27.6	26.4	27.4	26.8	27.8	28.2
	8H	25.8	26.7	26.2	27.1	27.5	26.4	27.3	26.8	27.7	28.1
	12H	25.7	26.7	26.2	27.0	27.5	26.3	27.3	26.8	27.6	28.1
4H 2H	25.0	26.1	25.4	26.5	26.9	25.9	27.0	26.3	27.3	27.7	
	3H	25.9	26.8	26.3	27.2	27.6	26.6	27.5	27.0	27.9	28.3
	4H	26.1	26.9	26.6	27.4	27.8	26.8	27.6	27.2	28.0	28.5
	6H	26.2	26.9	26.7	27.4	27.8	26.9	27.6	27.3	28.0	28.5
	8H	26.2	26.9	26.7	27.3	27.8	26.8	27.5	27.3	27.9	28.4
	12H	26.2	26.7	26.7	27.2	27.7	26.8	27.4	27.3	27.9	28.3
8H 4H	26.1	26.8	26.6	27.2	27.7	26.8	27.5	27.3	27.9	28.4	
	6H	26.3	26.8	26.8	27.3	27.8	26.9	27.4	27.4	27.9	28.4
	8H	26.2	26.7	26.8	27.2	27.7	26.9	27.4	27.4	27.9	28.4
	12H	26.2	26.6	26.7	27.1	27.7	26.8	27.3	27.3	27.8	28.3
12H 4H	26.1	26.7	26.6	27.2	27.6	26.8	27.4	27.3	27.9	28.3	
	6H	26.2	26.7	26.8	27.2	27.7	26.9	27.4	27.4	27.8	28.4
	8H	26.2	26.6	26.7	27.1	27.7	26.8	27.3	27.4	27.8	28.3
CIE190: 2010											

CIE190: 2010
Area: 0.0555435 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.1℃
Operators:
Test Date:2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity:50.0%
Test Distance:10.026m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.37V I:0.8431A P:190.93W PF:0.9831 Freq:50.00Hz Lamp Flux:31459.4x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 5000K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:

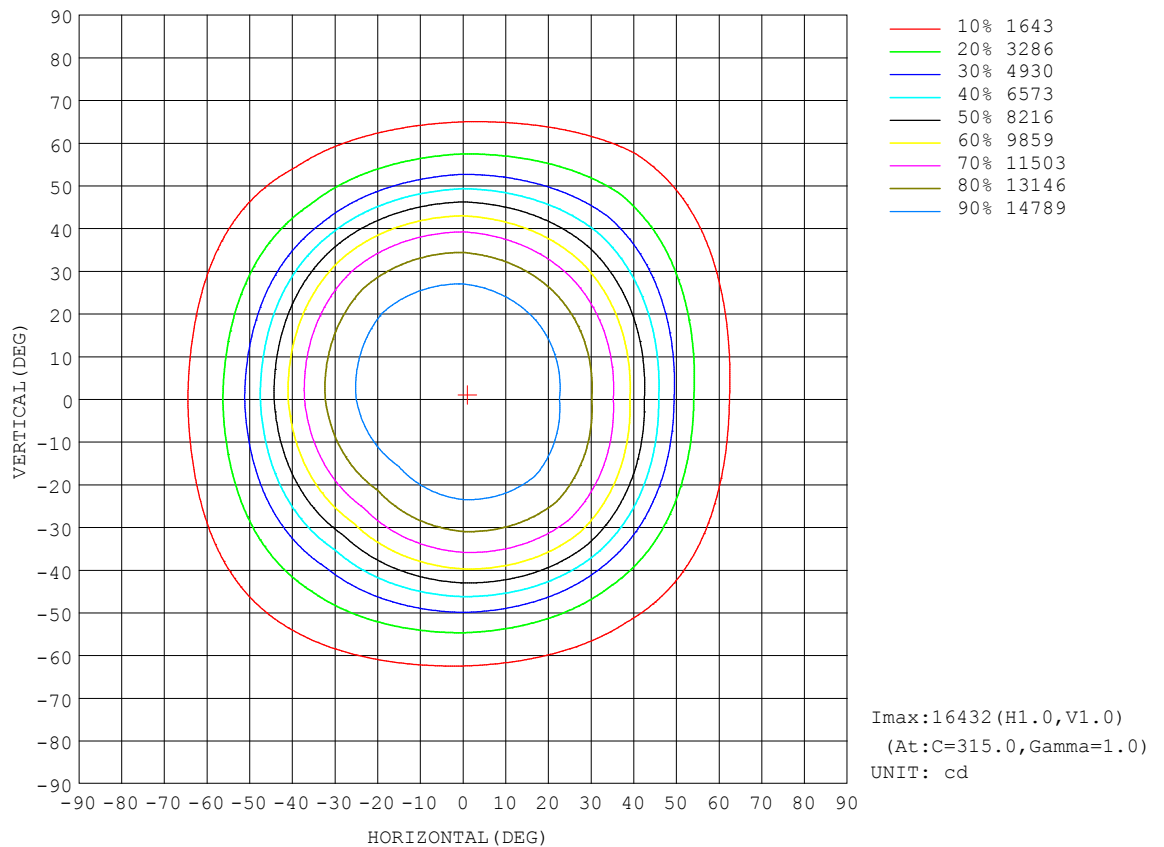
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	69	60	54	68	59	54	67	59	54	48
0.80	79	70	64	78	69	64	77	69	63	58
1.00	87	78	72	86	78	72	84	78	72	66
1.25	93	85	80	92	84	79	89	83	78	73
1.50	97	90	84	95	89	84	93	87	83	77
2.00	102	96	91	101	95	90	97	93	89	82
2.50	105	99	95	103	98	94	100	95	92	85
3.00	107	102	98	105	101	97	102	98	95	88
4.00	110	106	103	108	104	101	104	101	99	91
5.00	112	108	105	110	106	104	105	103	101	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.1°C
Operators:
Test Date: 2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity: 50.0%
Test Distance: 10.026m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.37V I:0.8431A P:190.93W PF:0.9831 Freq:50.00Hz Lamp Flux:31459.4x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 5000K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:

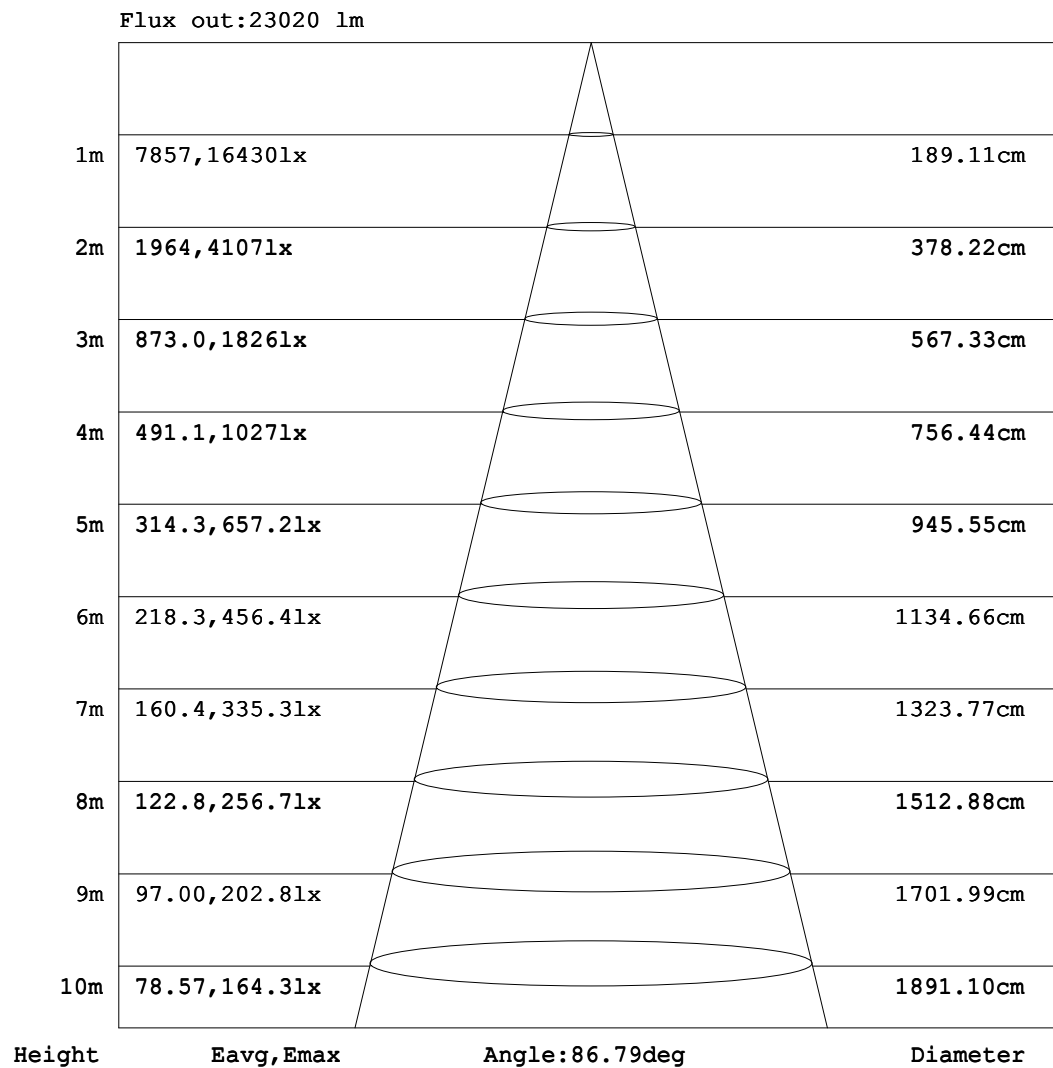


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.1℃
Operators:
Test Date:2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity:50.0%
Test Distance:10.026m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.37V I:0.8431A P:190.93W PF:0.9831 Freq:50.00Hz Lamp Flux:31459.4x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 5000K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:



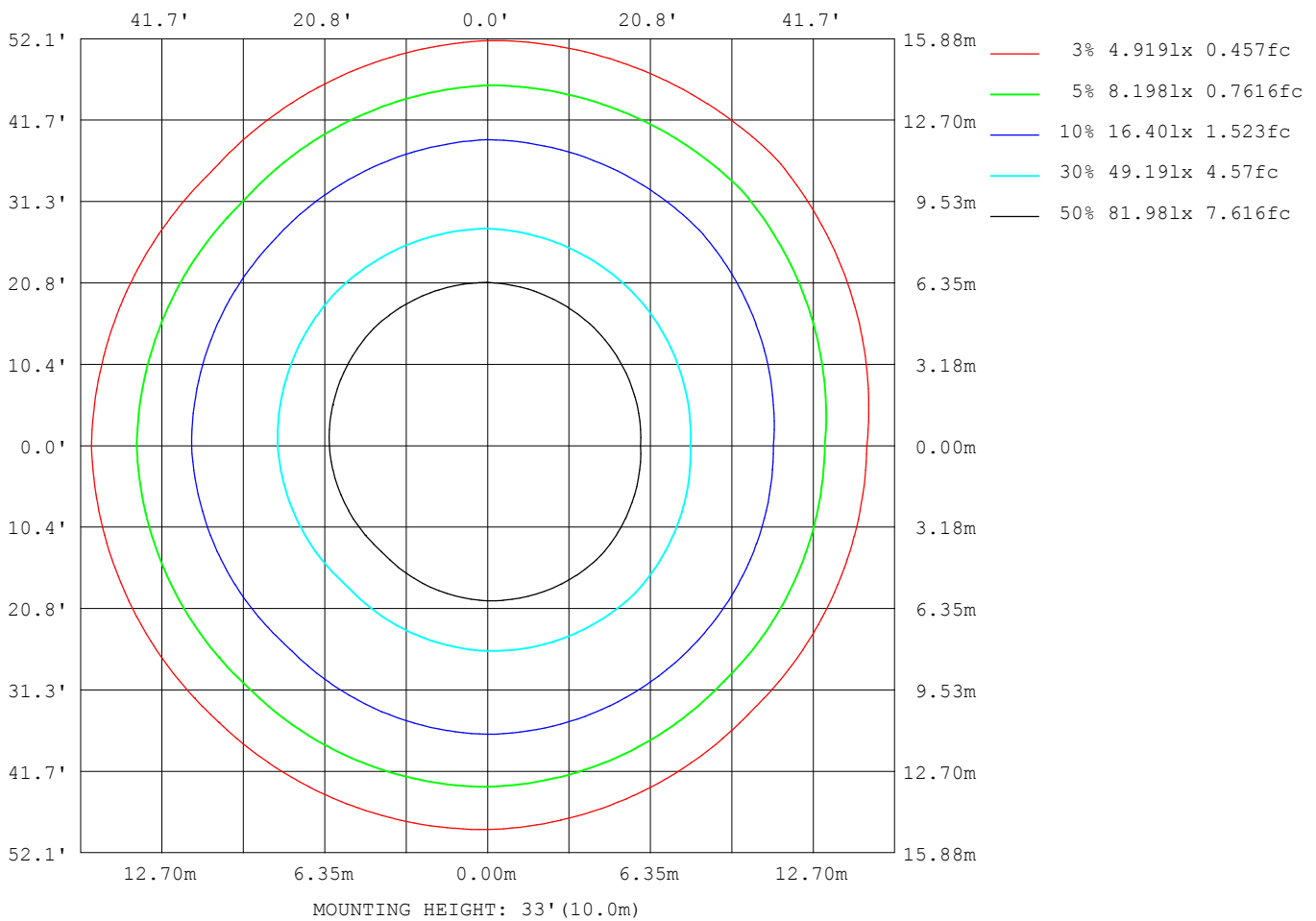
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.1℃
Operators:
Test Date:2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity:50.0%
Test Distance:10.026m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.37V I:0.8431A P:190.93W PF:0.9831 Freq:50.00Hz Lamp Flux:31459.4x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 5000K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.1°C
Operators:
Test Date: 2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity: 50.0%
Test Distance: 10.026m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.37V I:0.8431A P:190.93W PF:0.9831 Freq:50.00Hz Lamp Flux:31459.4x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 5000K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:

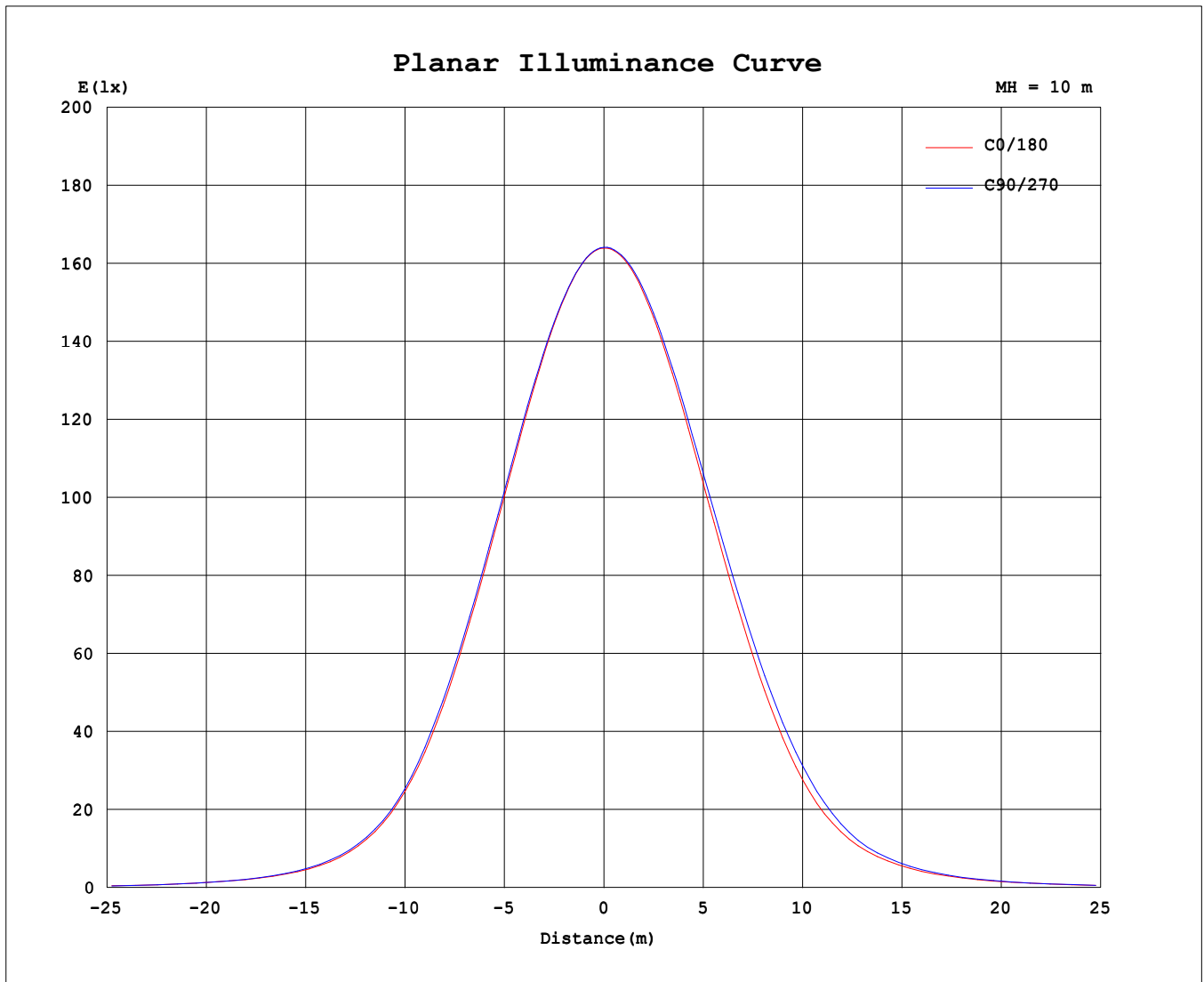
AvgL	cd/m2
L_0~180 (65) av	61320
L_0~180 (75) av	35916
L_0~180 (85) av	7297
L_90~270 (65) av	62669
L_90~270 (75) av	35165
L_90~270 (85) av	7085
L_45 (65) av	61410
L_45 (75) av	35454
L_45 (85) av	7500

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.1℃
Operators:
Test Date:2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity:50.0%
Test Distance:10.026m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.1°C
Operators:
Test Date: 2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity: 50.0%
Test Distance: 10.026m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity:50.0%
Test Distance:10.026m [K=1.0000]
Remarks:

```