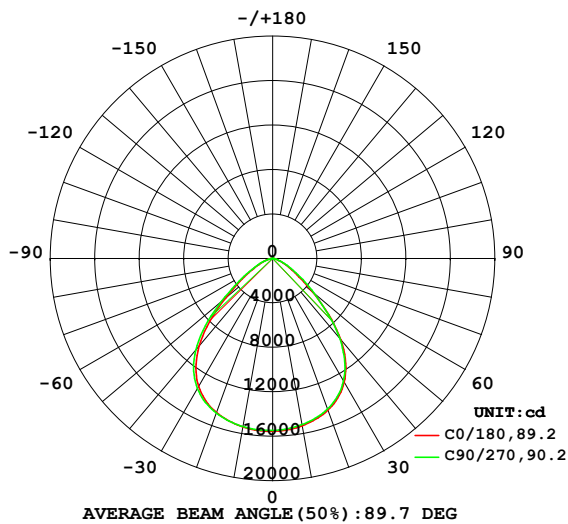


LUMINAIRE PHOTOMETRIC TEST REPORT

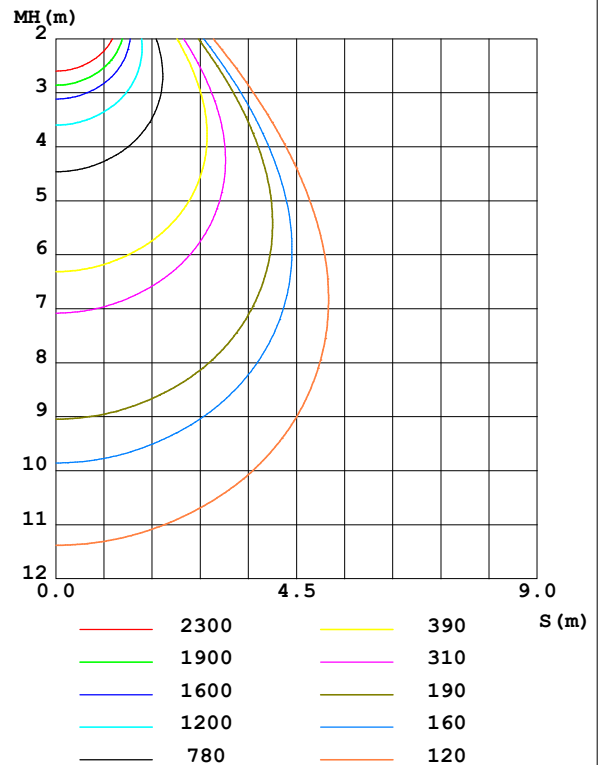
Test:U:230.37V I:0.8895A P:201.76W PF:0.9847 Freq:50.01Hz Lamp Flux:30211.2x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 4000K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 149.73 lm/W
MODEL	兆驰2835	I _{max} (cd)	15549	S/MH (C0/180)	1.26	
NOMINAL POWER(W)	200	LOR (%)	100.0	S/MH (C90/270)	1.28	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	30211	η UP,DN (C0-180)	0.0,47.6	
NOMINAL FLUX(lm)	30211.2	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: 2026-8-26

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	1529	1525	1518	1514	1540	1539	1537	1532	0- 10	1470	1470	4.86, 4.86
20	1454	1455	1442	1426	1476	1481	1481	1465	10- 20	4239	5709	18.9, 18.9
30	1287	1304	1276	1231	1332	1354	1353	1315	20- 30	6426	12135	40.2, 40.2
40	957.3	982.8	942.3	875.5	1031	1060	1076	1014	30- 40	7286	19421	64.3, 64.3
50	471.4	446.6	486.1	437.7	551.5	529.9	601.7	565.7	40- 50	5796	25217	83.5, 83.5
60	186.2	167.3	206.2	196.3	229.3	202.0	252.4	258.7	50- 60	3037	28254	93.5, 93.5
70	69.51	65.82	74.65	74.19	92.14	82.66	99.87	100.5	60- 70	1379	29633	98.1, 98.1
80	15.86	16.35	16.58	17.64	26.74	23.60	27.22	31.49	70- 80	510.1	30143	99.8, 99.8
90	0.3928	0.3683	0.4004	0.4266	0.3278	0.2999	0.3337	0.3430	80- 90	68.06	30211	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): 22668 lm

%lum = 75.0%

%lamp = 75.0%

Conical surface Flux(120deg): 28254 lm

%lum = 93.5%

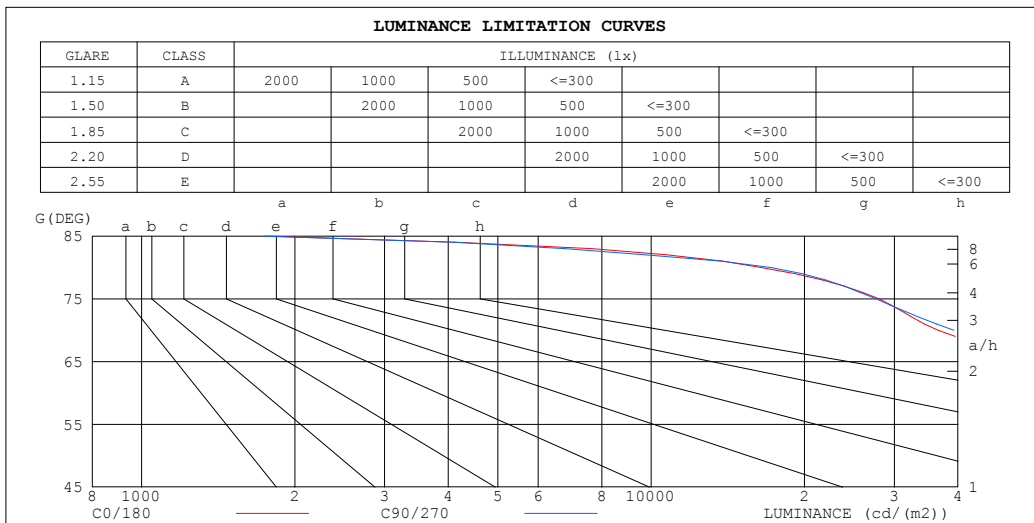
%lamp = 93.5%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: MEDIUM
 Temperature: 25.1℃
 Operators:
 Test Date: 2026-8-26

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:0.8895A P:201.76W PF:0.9847 Freq:50.01Hz Lamp Flux:30211.2x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 4000K-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	1775	1740
80	16447	17192
75	28039	27690
70	36592	39298
65	50749	56180
60	67036	74246
55	91475	105112
50	132023	136144
45	181701	179283

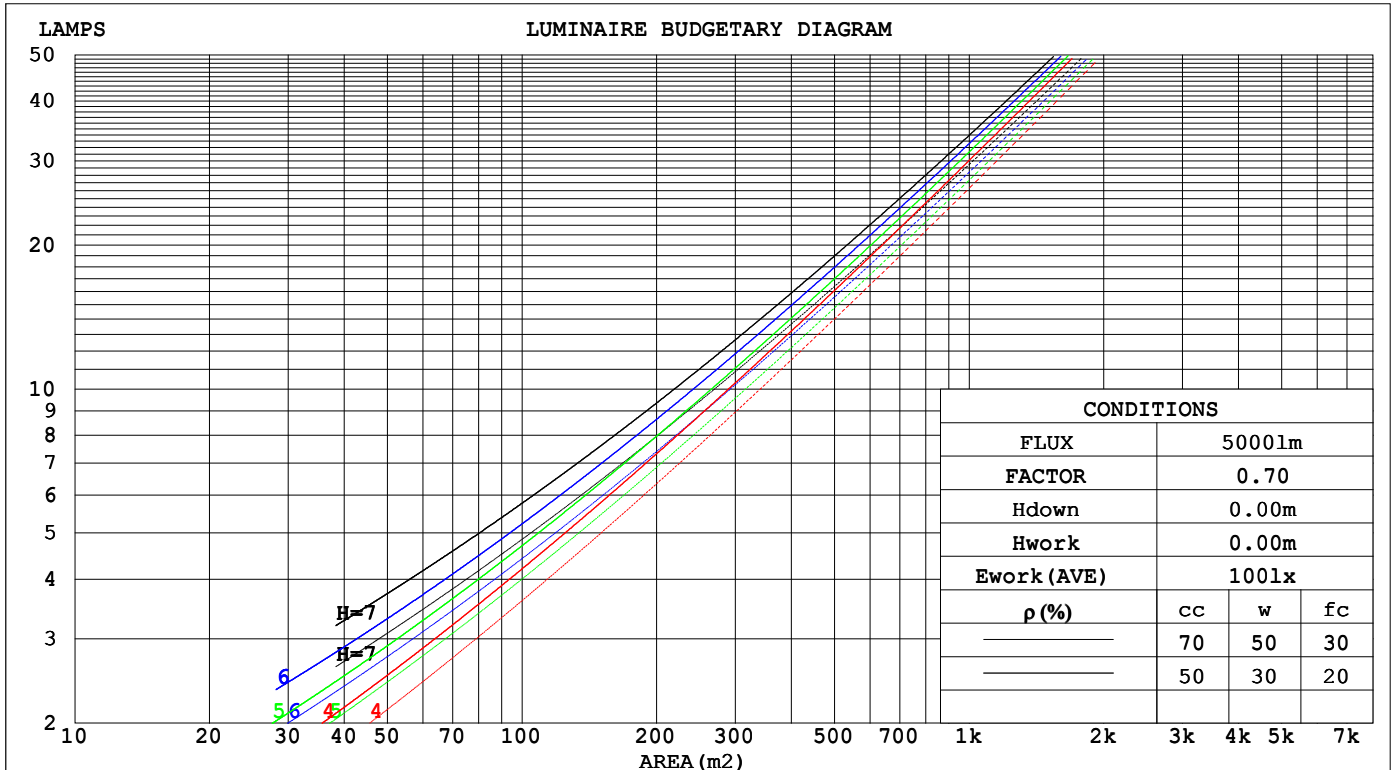
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.1℃
Operators:
Test Date: 2026-8-26

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:0.8895A P:201.76W PF:0.9847 Freq:50.01Hz Lamp Flux:30211.2x1 lm					
NAME: CV-200W		TYPE: 90D		WEIGHT:	
SPEC.: 4000K-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:2026-8-26

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:0.8895A P:201.76W PF:0.9847 Freq:50.01Hz Lamp Flux:30211.2x1 lm					
NAME: CV-200W			TYPE: 90D		WEIGHT:
SPEC.: 4000K-RA80-520L			DIM.:		SERIAL No.:
MFR.:			SUR.: 0.133m*0.133m*3.14		Shielding Angle:

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						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.234	.133	.042	.227	.130	.041	.214	.123	.039	.203	.117	.037	.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	.203	.110	.033	.194	.106	.033	.185	.103	.032	
4.0	.206	.107	.031	.201	.105	.031	.193	.102	.031	.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	.184	.092	.026	.180	.091	.026	.173	.089	.026	.167	.087	.026	.161	.085	.025	
7.0	.174	.086	.024	.170	.085	.024	.164	.083	.024	.159	.081	.024	.154	.080	.023	
8.0	.164	.080	.023	.162	.080	.022	.156	.078	.022	.151	.077	.022	.146	.075	.022	
9.0	.156	.075	.021	.153	.075	.021	.148	.073	.021	.144	.072	.021	.140	.071	.020	
10.0	.148	.071	.020	.146	.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	.043	.114	.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	.072	.041	.019	.042	.024	.012	.013	.008	.004	
9.0	.115	.063	.027	.099	.054	.024	.069	.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:2026-8-26

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:0.8895A P:201.76W PF:0.9847 Freq:50.01Hz Lamp Flux:30211.2x1 lm											
NAME: CV-200W					TYPE: 90D			WEIGHT:			
SPEC.: 4000K-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	2H	24.3	25.7	24.7	26.0	26.3	25.6	27.0	26.0	27.3	27.6
	3H	25.0	26.2	25.4	26.5	26.9	26.2	27.4	26.6	27.8	28.1
	4H	25.2	26.3	25.6	26.7	27.0	26.3	27.5	26.7	27.8	28.2
	6H	25.2	26.3	25.7	26.6	27.0	26.4	27.4	26.8	27.8	28.2
	8H	25.2	26.2	25.6	26.6	27.0	26.3	27.3	26.8	27.7	28.1
	12H	25.2	26.1	25.6	26.5	26.9	26.3	27.2	26.7	27.6	28.0
4H	2H	24.5	25.6	24.9	26.0	26.4	25.8	26.9	26.2	27.3	27.7
	3H	25.3	26.3	25.8	26.7	27.1	26.5	27.4	26.9	27.8	28.2
	4H	25.6	26.4	26.0	26.8	27.3	26.7	27.5	27.1	27.9	28.4
	6H	25.7	26.4	26.2	26.8	27.3	26.8	27.5	27.2	27.9	28.4
	8H	25.7	26.3	26.1	26.8	27.2	26.7	27.4	27.2	27.8	28.3
	12H	25.6	26.2	26.1	26.7	27.2	26.7	27.3	27.2	27.7	28.2
8H	4H	25.6	26.3	26.1	26.7	27.2	26.7	27.4	27.2	27.8	28.3
	6H	25.7	26.3	26.2	26.8	27.2	26.8	27.3	27.3	27.8	28.3
	8H	25.7	26.2	26.2	26.7	27.2	26.7	27.2	27.3	27.7	28.2
	12H	25.7	26.1	26.2	26.6	27.2	26.7	27.1	27.2	27.6	28.2
12H	4H	25.6	26.2	26.1	26.6	27.1	26.7	27.3	27.2	27.7	28.2
	6H	25.7	26.2	26.2	26.6	27.2	26.7	27.2	27.3	27.7	28.2
	8H	25.7	26.1	26.2	26.6	27.2	26.7	27.1	27.2	27.6	28.2
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:2026-8-26

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:0.8895A P:201.76W PF:0.9847 Freq:50.01Hz Lamp Flux:30211.2x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 4000K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:

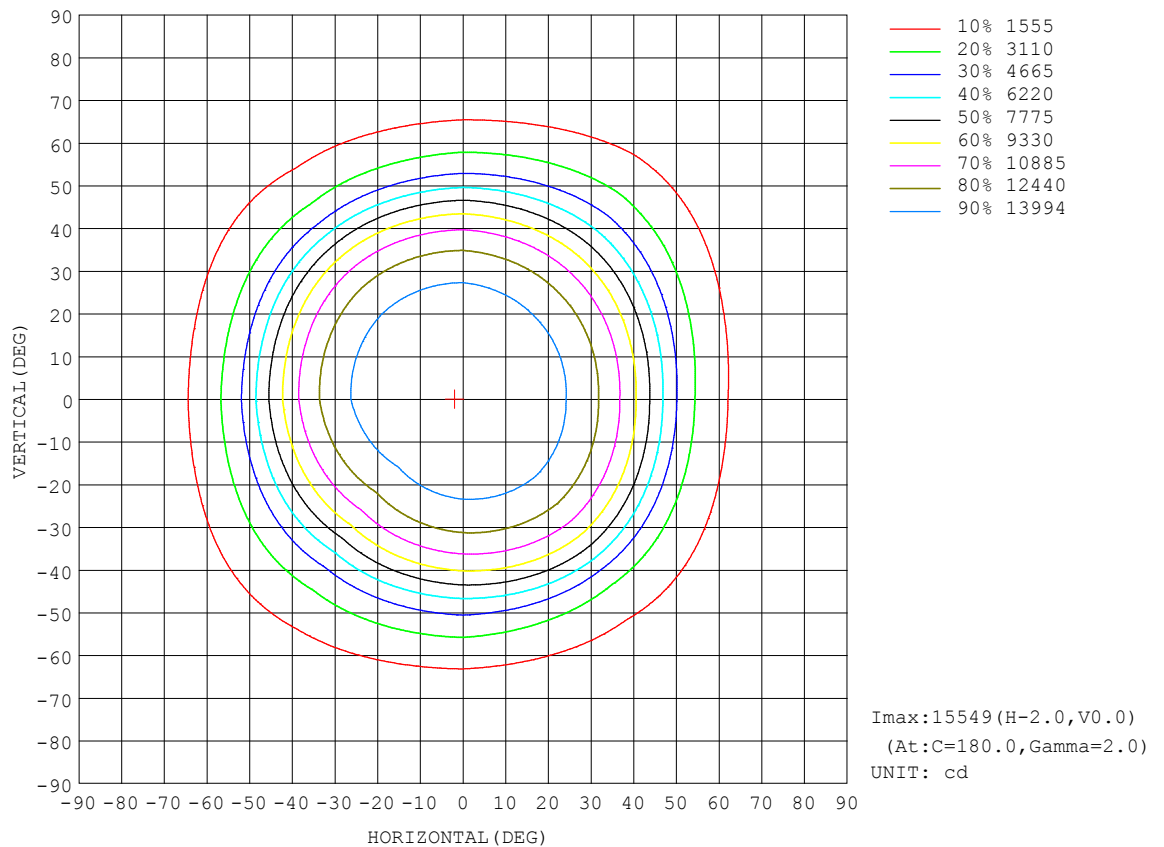
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	69	59	53	68	59	53	67	59	53	48
0.80	79	70	64	78	69	64	76	68	63	58
1.00	87	78	72	85	77	72	84	78	71	66
1.25	93	85	79	91	84	79	89	83	78	72
1.50	97	90	84	95	89	84	93	87	83	77
2.00	102	96	91	100	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: 2026-8-26

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:0.8895A P:201.76W PF:0.9847 Freq:50.01Hz Lamp Flux:30211.2x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 4000K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:

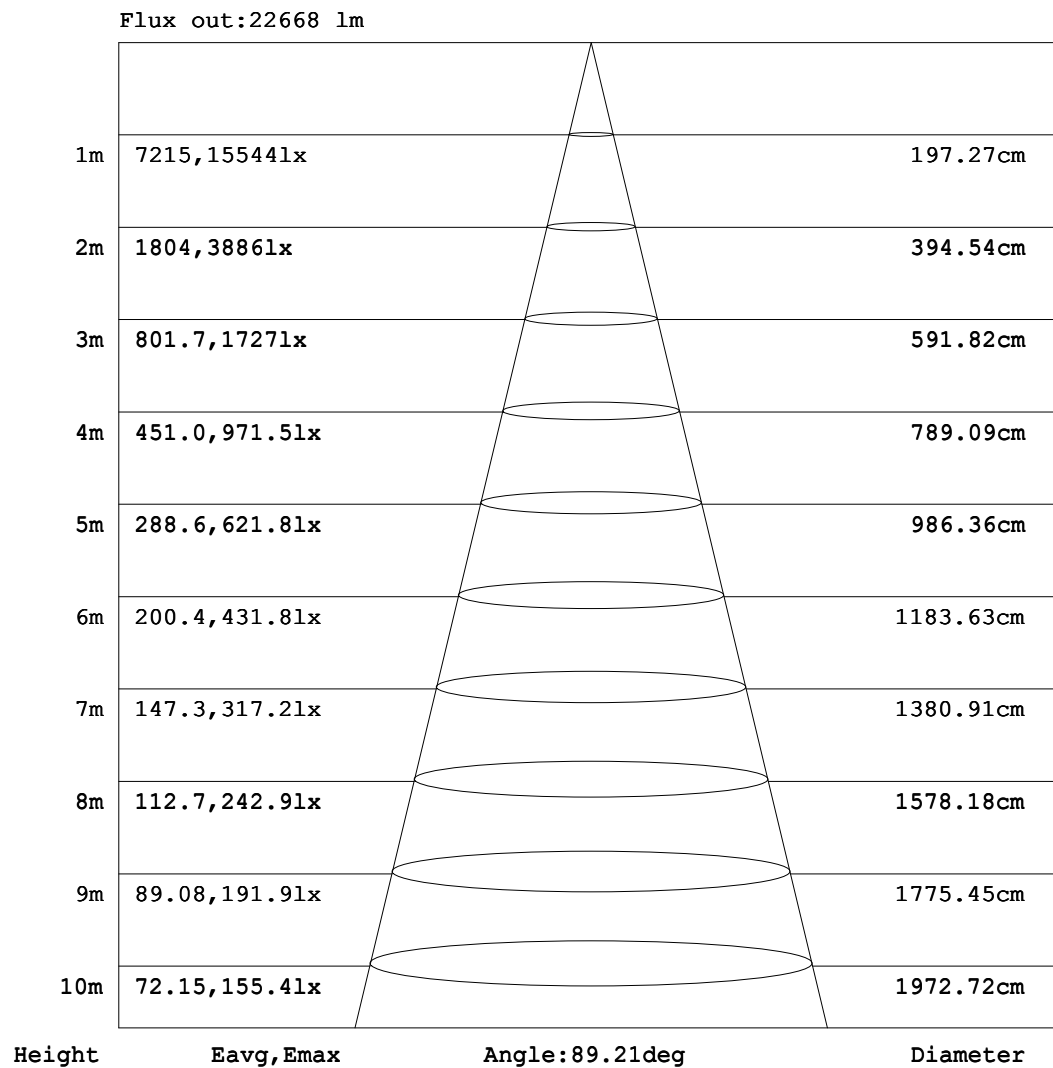


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.1℃
Operators:
Test Date:2026-8-26

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:0.8895A P:201.76W PF:0.9847 Freq:50.01Hz Lamp Flux:30211.2x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 4000K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:



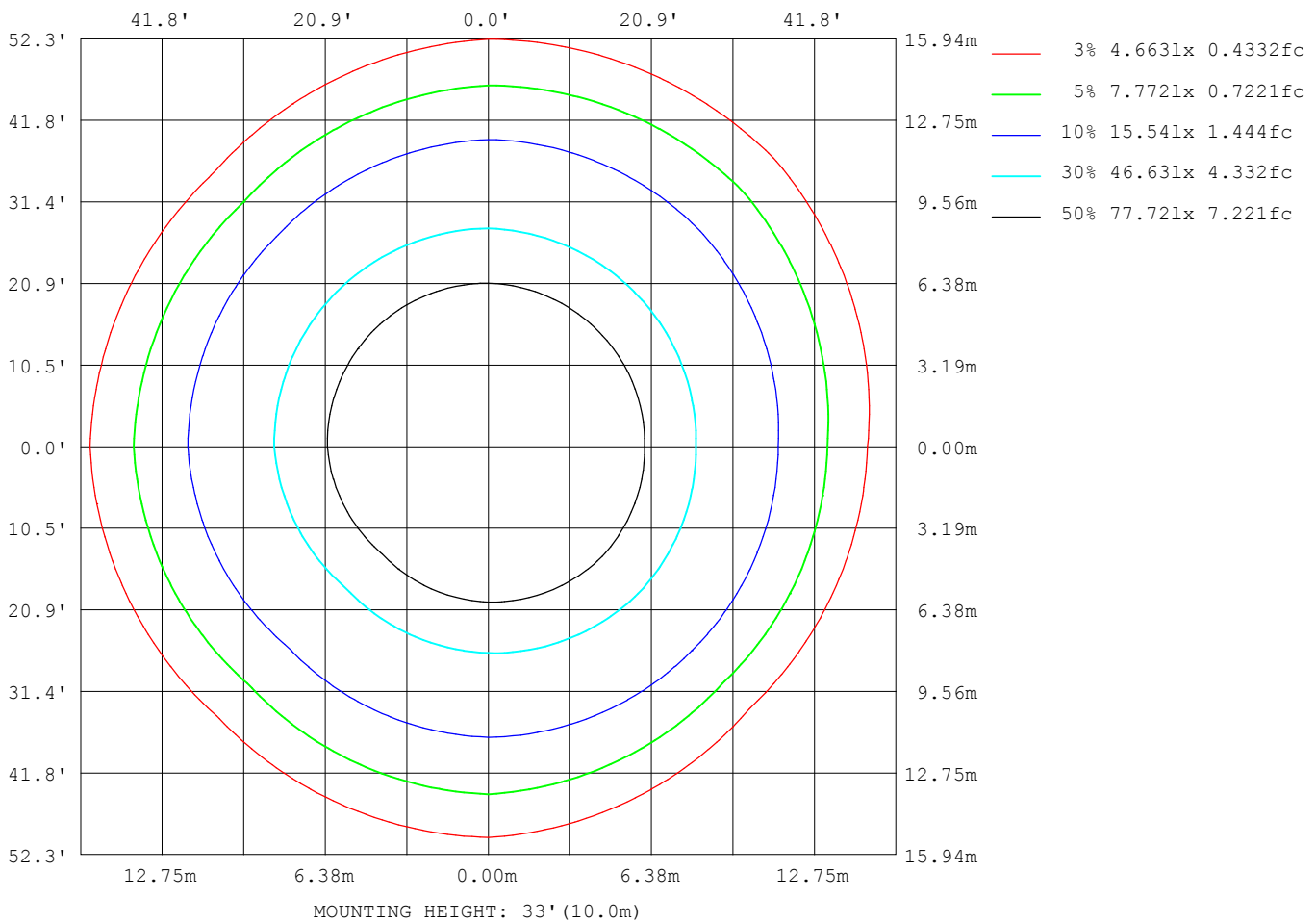
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: MEDIUM
 Temperature:25.1℃
 Operators:
 Test Date:2026-8-26

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:0.8895A P:201.76W PF:0.9847 Freq:50.01Hz Lamp Flux:30211.2x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 4000K-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:2026-8-26

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:0.8895A P:201.76W PF:0.9847 Freq:50.01Hz Lamp Flux:30211.2x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 4000K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:

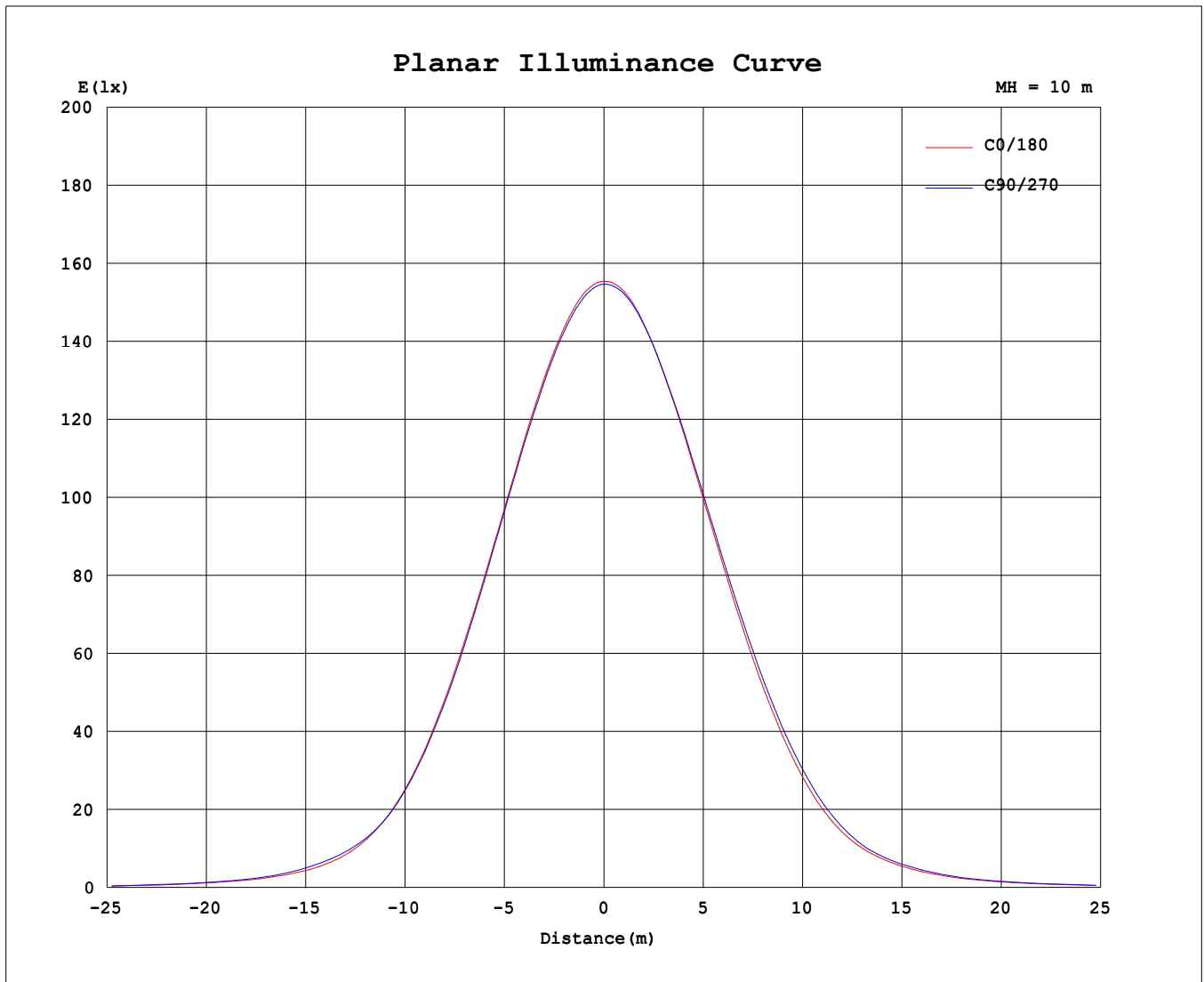
AvgL	cd/m2
L_0~180 (65) av	56859
L_0~180 (75) av	32247
L_0~180 (85) av	6287
L_90~270 (65) av	62507
L_90~270 (75) av	33418
L_90~270 (85) av	6061
L_45 (65) av	56550
L_45 (75) av	32256
L_45 (85) av	6622

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.1℃
Operators:
Test Date:2026-8-26

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℃
 Operators:
 Test Date: 2026-8-26

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:

```