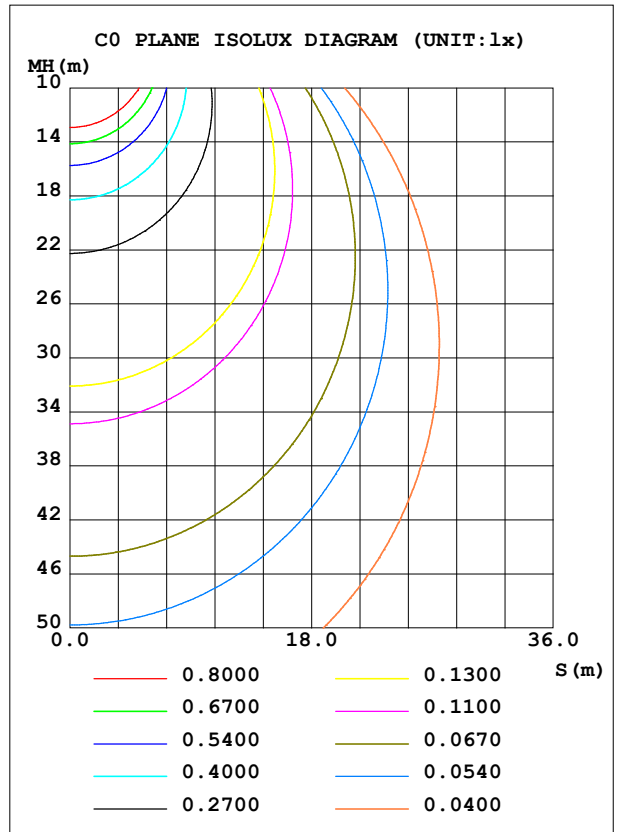
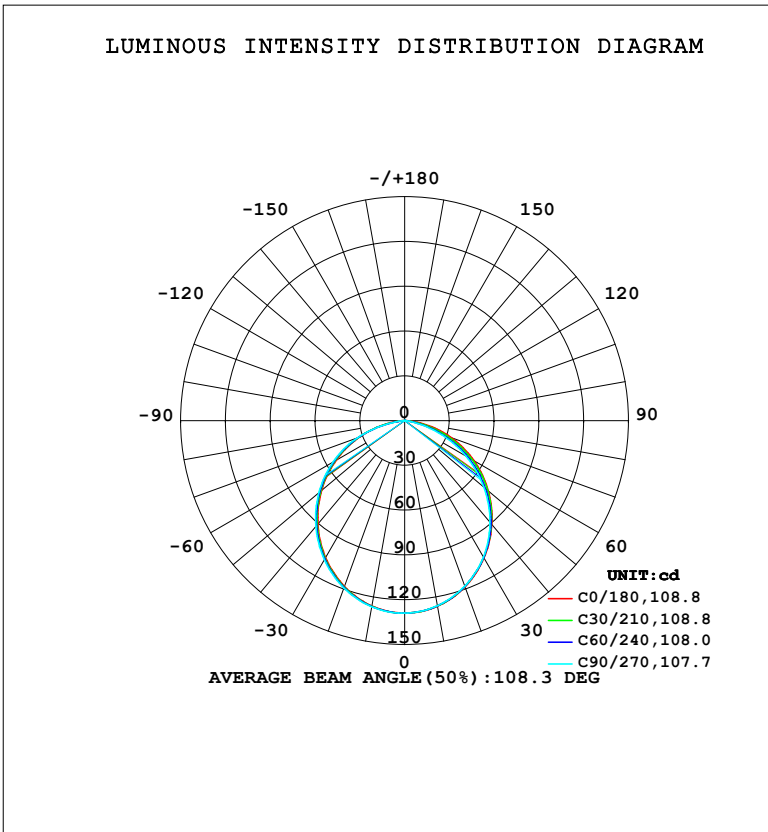


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.41V I:0.0385A P:4.7195W PF:0.5327 Freq:50.00Hz Lamp Flux:344.302x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: 白光	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 72.95 lm/W
MODEL	P7	I _{max} (cd)	129.0	S/MH (C0/180)	1.23	
NOMINAL POWER (W)	5	LOR (%)	100.0	S/MH (C90/270)	1.24	
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	344.30	η UP, DN (C0-180)	0.0, 48.8	
NOMINAL FLUX (lm)	344.302	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 51.2	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	230	η down (%)	100.0	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-11-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 9.401m [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	126.3	126.2	125.9	125.9	126.1	126.3	126.6	126.6	0- 10	12.18	12.18	3.54,3.54
20	118.4	118.4	117.9	117.8	118.2	118.6	119.3	119.1	10- 20	34.68	46.86	13.6,13.6
30	106.3	106.2	105.6	105.6	106.0	106.5	107.6	107.3	20- 30	52.01	98.86	28.7,28.7
40	90.91	90.79	88.97	89.84	90.53	91.21	92.56	92.08	30- 40	61.91	160.8	46.7,46.7
50	73.21	72.24	69.19	71.00	72.65	73.45	74.97	74.45	40- 50	63.25	224.0	65.1,65.1
60	53.72	51.14	47.32	49.94	52.90	53.81	55.43	55.00	50- 60	56.04	280.1	81.3,81.3
70	32.98	28.73	24.44	27.75	31.87	32.34	33.34	33.82	60- 70	41.21	321.3	93.3,93.3
80	12.80	6.765	3.327	6.147	11.61	9.616	8.660	10.73	70- 80	20.63	341.9	99.3,99.3
90	0.0871	0.0779	0.0789	0.0793	0.1103	0.1019	0.0910	0.0976	80- 90	2.395	344.3	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:cd									UNIT:lm		

Conical surface Flux(90deg): 192.78 lm

%lum = 56.0%

%lamp = 56.0%

Conical surface Flux(130deg): 302.95 lm

%lum = 88.0%

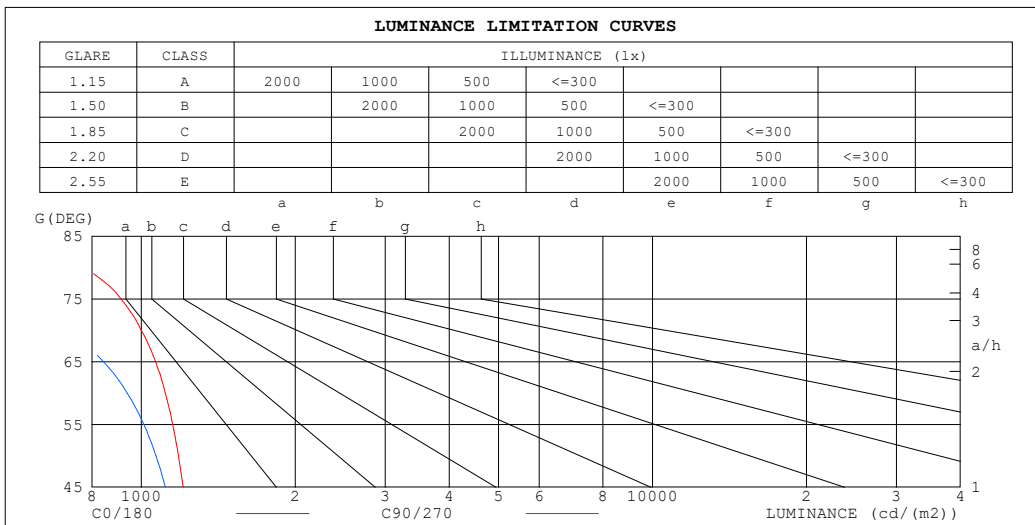
%lamp = 88.0%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-11-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.41V I:0.0385A P:4.7195W PF:0.5327 Freq:50.00Hz Lamp Flux:344.302x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: 白光	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	379	18
80	765	190
75	913	507
70	1000	709
65	1066	843
60	1115	939
55	1151	1011
50	1182	1068
45	1208	1114

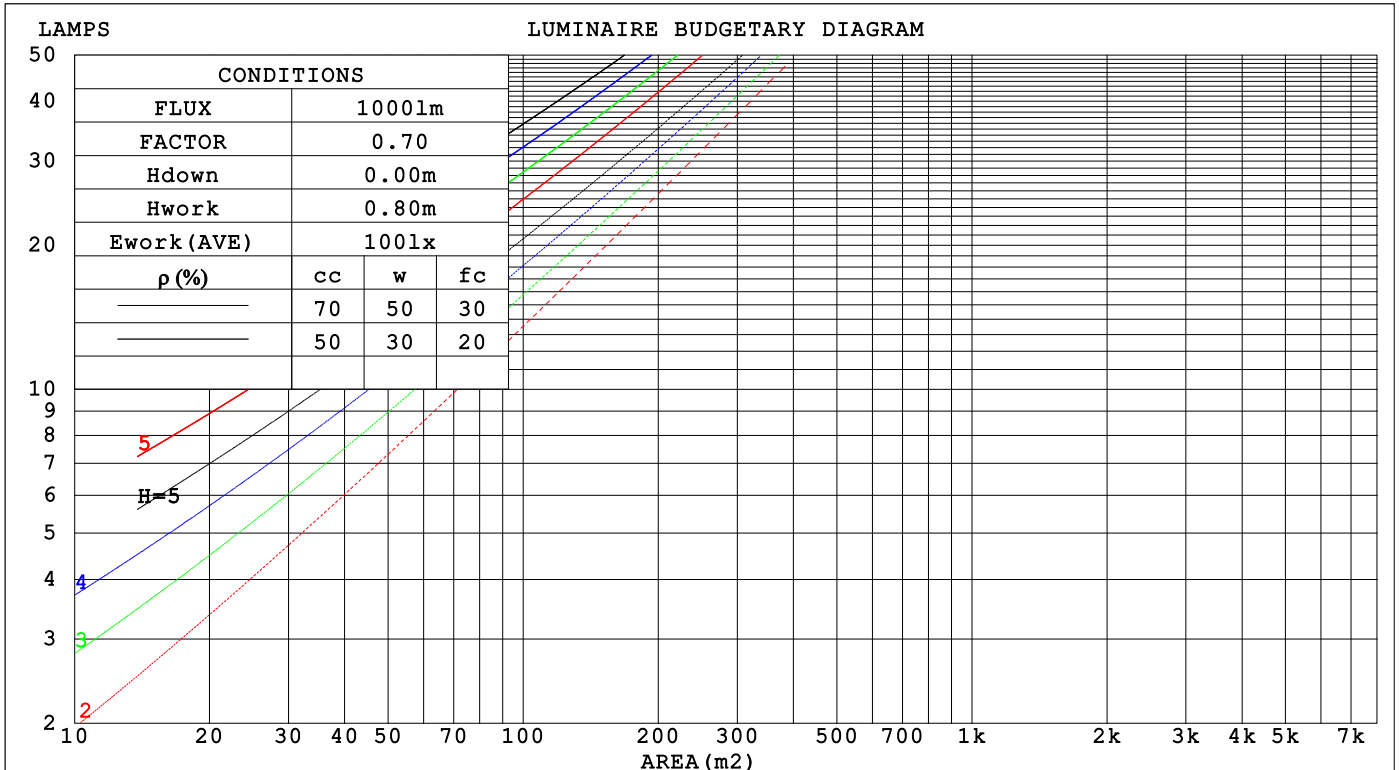
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-11-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.41V I:0.0385A P:4.7195W PF:0.5327 Freq:50.00Hz Lamp Flux:344.302x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: 白光	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	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%
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.05	1.01	.97	1.03	.99	.96	.98	.95	.93	.94	.92	.90	.91	.89	.87	.85
2.0	.92	.85	.80	.90	.84	.79	.86	.81	.77	.83	.79	.75	.80	.77	.73	.71
3.0	.81	.73	.66	.79	.72	.66	.76	.70	.65	.73	.68	.63	.71	.66	.62	.60
4.0	.72	.63	.56	.70	.62	.56	.68	.61	.55	.65	.59	.54	.63	.58	.54	.52
5.0	.64	.55	.49	.63	.55	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.58	.49	.42	.57	.48	.42	.55	.47	.42	.53	.47	.42	.52	.46	.41	.39
7.0	.52	.44	.38	.52	.43	.37	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.39	.34	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.28
10.0	.40	.33	.27	.40	.32	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-11-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.41V I:0.0385A P:4.7195W PF:0.5327 Freq:50.00Hz		
Lamp Flux:344.302x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: 白光	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

ρ _{CC}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.291	.165	.052	.284	.162	.051	.271	.155	.050	.259	.149	.048	.247	.143	.046	
2.0	.280	.153	.047	.273	.151	.046	.262	.146	.045	.251	.141	.044	.241	.136	.043	
3.0	.261	.139	.042	.256	.137	.041	.246	.133	.040	.236	.129	.040	.227	.126	.039	
4.0	.243	.126	.037	.238	.125	.037	.229	.121	.036	.221	.118	.036	.213	.116	.035	
5.0	.225	.115	.033	.221	.114	.033	.213	.111	.033	.206	.109	.032	.199	.106	.032	
6.0	.210	.105	.030	.206	.104	.030	.199	.102	.030	.192	.100	.029	.186	.098	.029	
7.0	.196	.097	.027	.192	.096	.027	.186	.094	.027	.180	.092	.027	.174	.091	.027	
8.0	.183	.089	.025	.180	.089	.025	.174	.087	.025	.169	.086	.025	.164	.084	.025	
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.155	.078	.023	
10.0	.162	.078	.022	.159	.077	.021	.155	.076	.021	.150	.075	.021	.146	.074	.021	

ρ _{CC}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	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	.179	.156	.136	.153	.134	.117	.105	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.171	.132	.099	.146	.114	.086	.100	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.163	.114	.076	.140	.099	.065	.096	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.155	.101	.059	.133	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.040	.121	.071	.035	.084	.050	.024	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.065	.029	.080	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-11-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.41V I:0.0385A P:4.7195W PF:0.5327 Freq:50.00Hz										
Lamp Flux:344.302x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.: 白光			DIM.:			SERIAL No.:				
MFR.: EVERFINE			SUR.:			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	17.1	18.6	17.4	18.8	19.0	16.5	18.0	16.7	18.2	18.4
3H	18.6	20.0	18.9	20.2	20.4	17.6	18.9	17.8	19.2	19.4
4H	19.2	20.5	19.5	20.7	21.0	17.8	19.1	18.1	19.4	19.6
6H	19.5	20.8	19.9	21.0	21.3	17.8	19.1	18.2	19.3	19.6
8H	19.6	20.8	19.9	21.1	21.4	17.8	19.0	18.1	19.2	19.5
12H	19.6	20.7	20.0	21.0	21.3	17.7	18.9	18.1	19.2	19.5
4H 2H	17.6	18.9	17.9	19.2	19.4	17.1	18.4	17.4	18.6	18.9
3H	19.2	20.4	19.6	20.7	21.0	18.3	19.5	18.7	19.7	20.0
4H	19.9	20.9	20.3	21.3	21.6	18.7	19.7	19.0	20.0	20.3
6H	20.4	21.3	20.8	21.6	22.0	18.7	19.6	19.1	20.0	20.3
8H	20.5	21.3	20.9	21.7	22.1	18.7	19.5	19.1	19.9	20.3
12H	20.5	21.3	20.9	21.6	22.0	18.6	19.4	19.1	19.8	20.2
8H 4H	20.0	20.9	20.4	21.2	21.6	18.9	19.7	19.3	20.1	20.5
6H	20.5	21.2	21.0	21.6	22.1	18.9	19.7	19.4	20.1	20.5
8H	20.7	21.3	21.1	21.7	22.2	18.9	19.5	19.4	20.0	20.4
12H	20.7	21.2	21.2	21.7	22.1	18.9	19.4	19.4	19.9	20.3
12H 4H	20.0	20.8	20.4	21.1	21.5	18.8	19.6	19.3	20.0	20.4
6H	20.5	21.1	21.0	21.6	22.0	18.9	19.6	19.4	20.0	20.4
8H	20.6	21.2	21.1	21.6	22.1	18.9	19.5	19.4	19.9	20.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.3 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.3 / - 0.3					+ 0.4 / - 0.5				

CIE Pub.117, 344.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.7)
 Area: 0.1 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-11-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.41V I:0.0385A P:4.7195W PF:0.5327 Freq:50.00Hz Lamp Flux:344.302x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: 白光	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

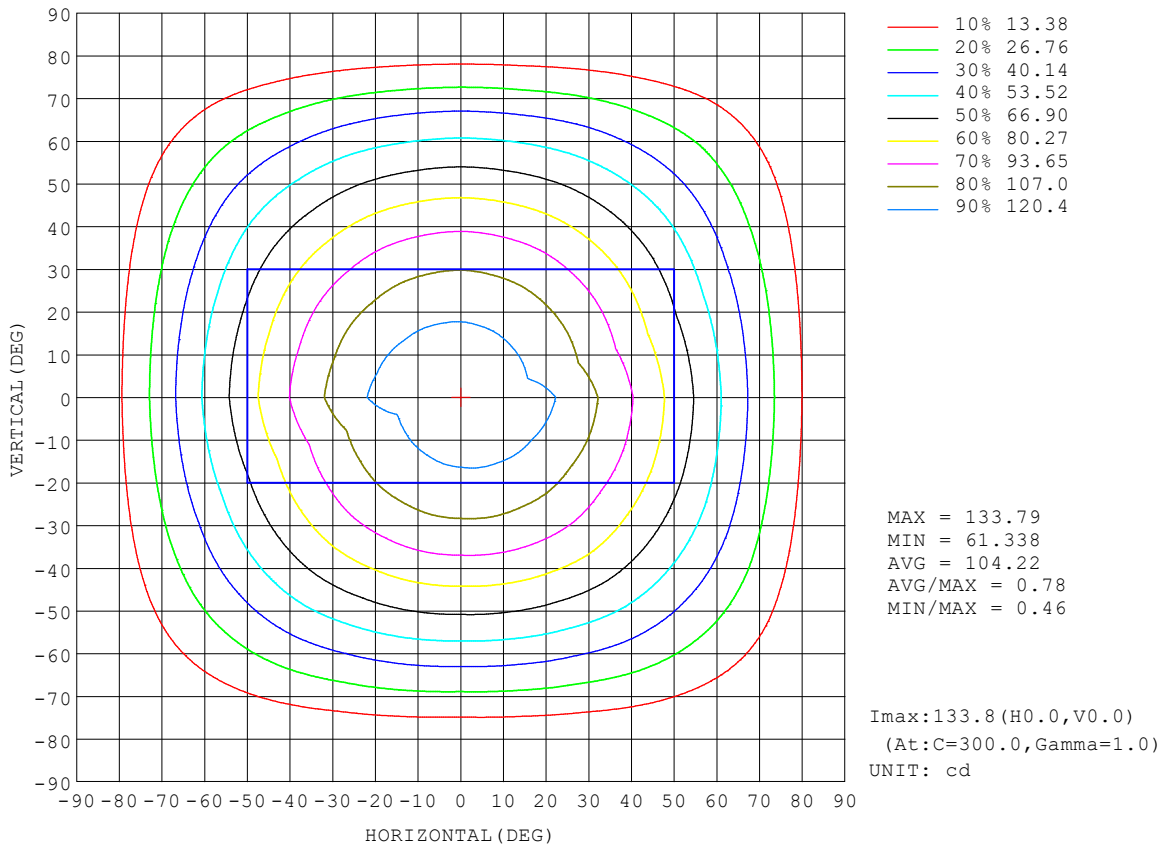
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	59	47	40	58	47	40	57	46	40	34
0.80	69	57	50	68	57	50	66	56	50	43
1.00	77	66	59	76	66	59	74	67	59	52
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	80	73	88	79	73	85	77	71	64
2.00	96	88	82	94	87	81	91	85	79	72
2.50	100	93	87	98	91	86	94	88	84	76
3.00	103	97	91	101	95	90	97	92	88	80
4.00	107	102	97	105	100	96	101	97	93	85
5.00	109	105	101	107	103	100	103	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-11-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.41V I:0.0385A P:4.7195W PF:0.5327 Freq:50.00Hz Lamp Flux:344.302x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: 白光	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

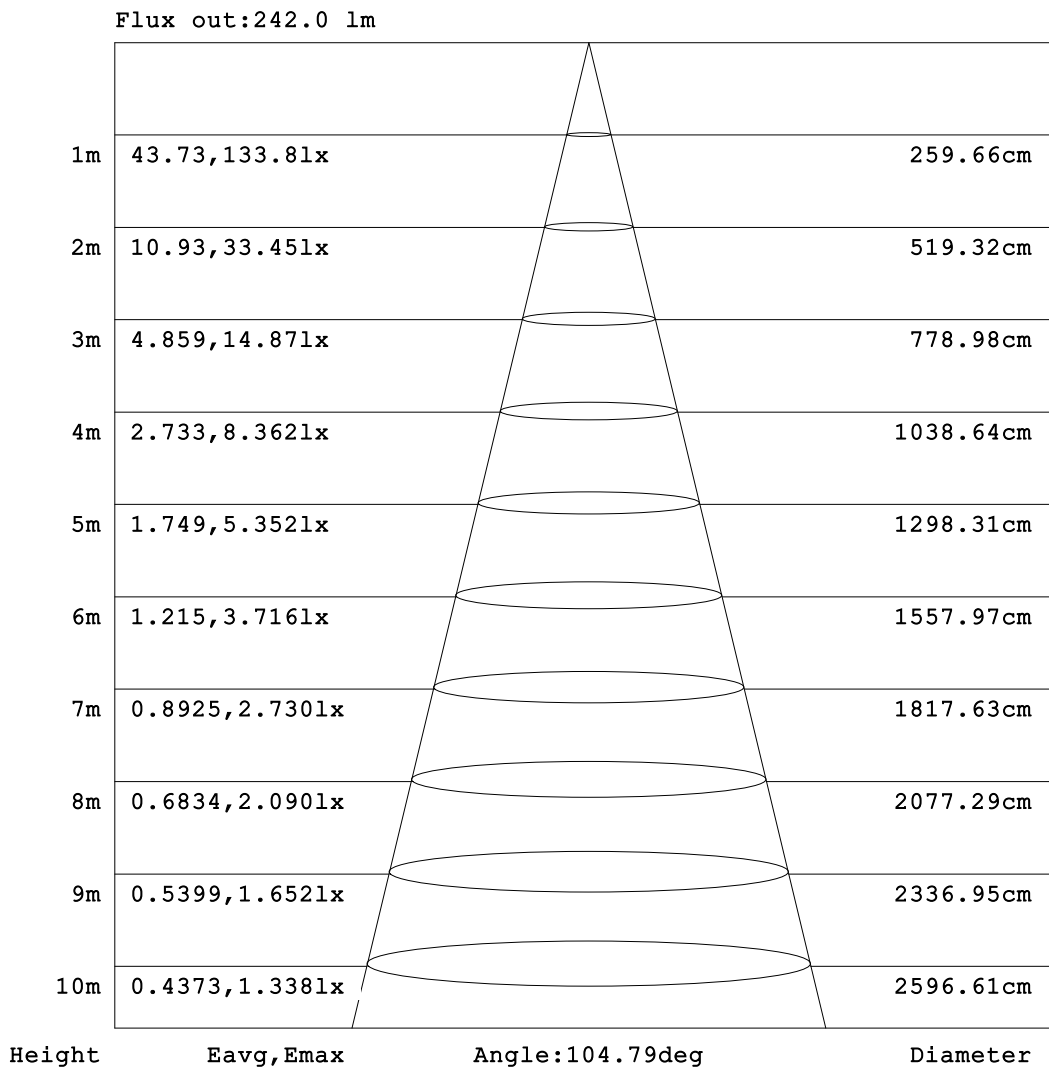


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-11-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.41V I:0.0385A P:4.7195W PF:0.5327 Freq:50.00Hz Lamp Flux:344.302x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: 白光	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



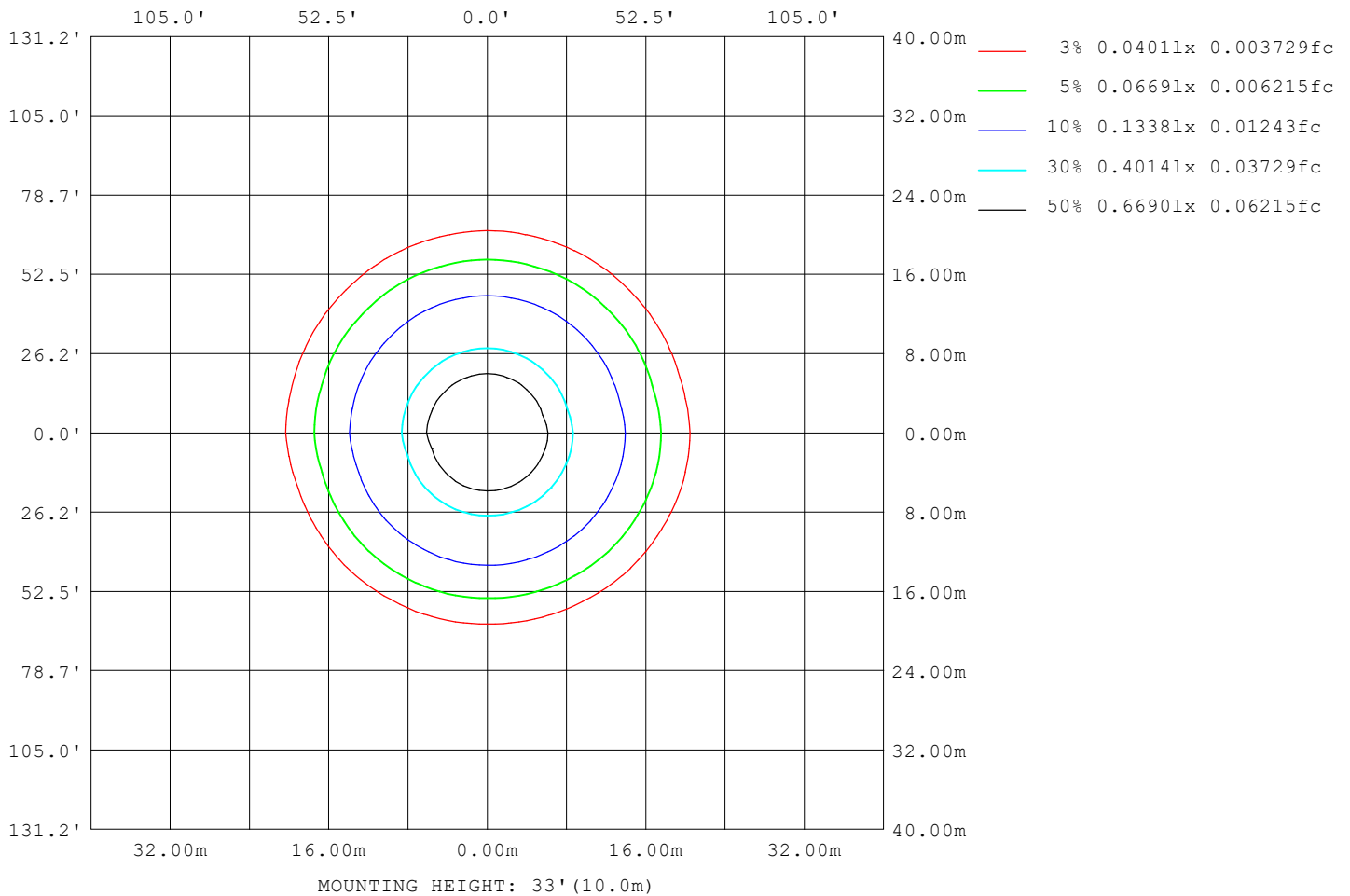
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-11-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:9.401m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.41V I:0.0385A P:4.7195W PF:0.5327 Freq:50.00Hz Lamp Flux:344.302x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: 白光	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-11-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:9.401m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.41V I:0.0385A P:4.7195W PF:0.5327 Freq:50.00Hz Lamp Flux:344.302x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: 白光	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

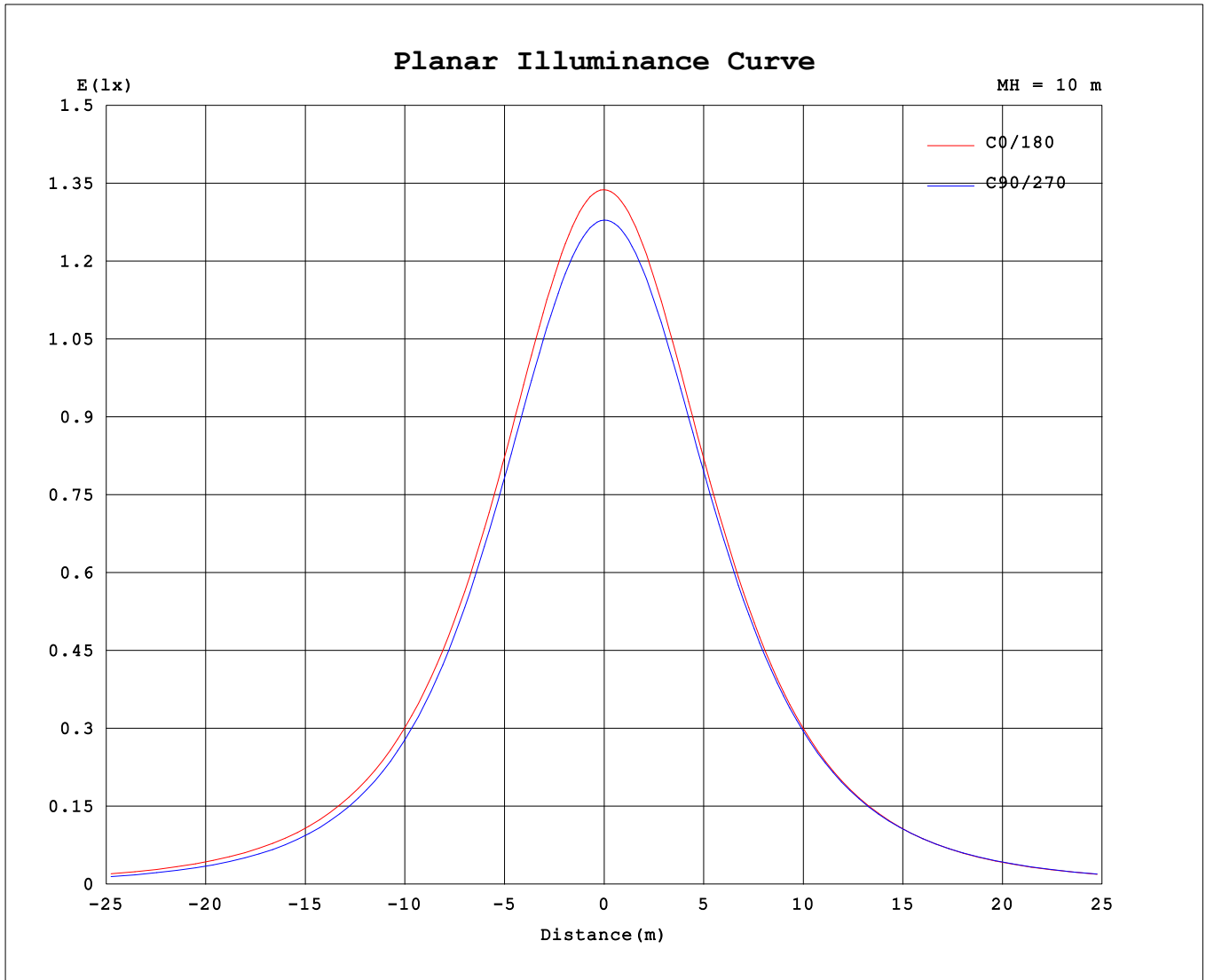
AvgL	cd/m2
L_0~180 (65) av	1016
L_0~180 (75) av	856
L_0~180 (85) av	304
L_90~270 (65) av	957
L_90~270 (75) av	662
L_90~270 (85) av	29
L_45 (65) av	988
L_45 (75) av	750
L_45 (85) av	41

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-11-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-11-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 9.401m [K=1.0000]
 Remarks:

