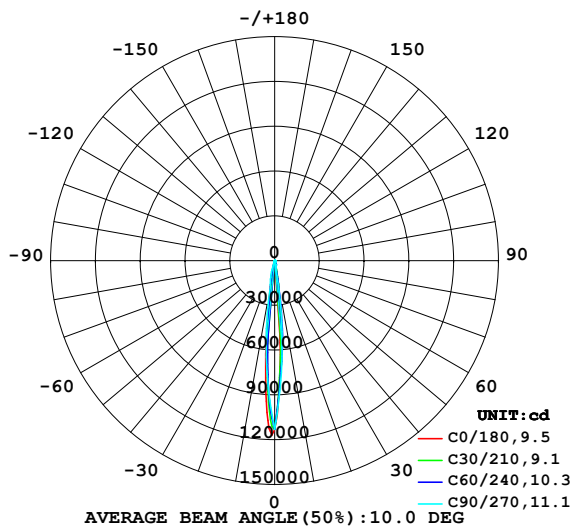


LUMINAIRE PHOTOMETRIC TEST REPORT

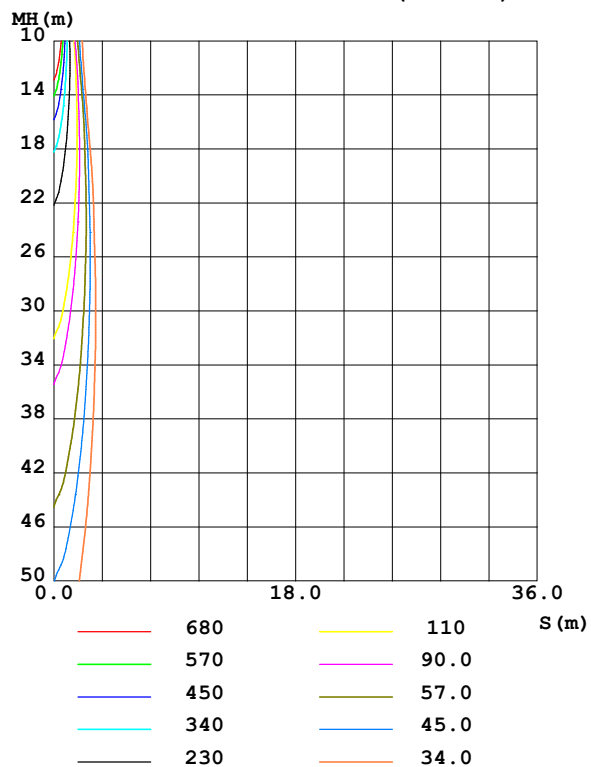
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 38.58 lm/W
MODEL	Y31807-052	Imax (cd)	116849	S/MH(C0/180)	0.20	
NOMINAL POWER(W)	196	LOR(%)	100.0	S/MH(C90/270)	0.20	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	5588.3	□ UP,DN(C0-180)	0.0,45.3	
NOMINAL FLUX(lm)	5588.29	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.0,54.7	
LAMPS INSIDE	1	□ up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	219.5	□ down (%)	100.0	CIBSE SHR MAX	0.15	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LJM
Test Date:2023-03-24

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:8.920m [K=1.0000]
Remarks:
F-裸光

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	59.17	140.9	50.18	84.76	139.5	106.2	172.3	158.4	0- 10	3857	3857	69,69
20	11.54	12.41	10.77	11.66	12.93	14.39	16.90	15.43	10- 20	1048	4905	87.8,87.8
30	3.251	3.307	2.659	3.299	3.482	4.669	4.643	4.424	20- 30	338.3	5243	93.8,93.8
40	1.329	1.244	0.9865	1.027	1.165	1.600	1.606	1.501	30- 40	138.9	5382	96.3,96.3
50	0.8454	0.7280	0.7636	0.6229	0.6955	0.9753	0.9572	0.9195	40- 50	80.63	5463	97.8,97.8
60	0.5350	0.4122	0.5162	0.5527	0.4375	0.6323	0.6132	0.5955	50- 60	61.20	5524	98.8,98.8
70	0.2824	0.2633	0.2467	0.2791	0.2510	0.3607	0.3647	0.3488	60- 70	42.08	5566	99.6,99.6
80	0.0633	0.0764	0.0422	0.0568	0.0749	0.1144	0.1173	0.1166	70- 80	19.68	5586	100,100
90	0.0006	0	0	0	0.0008	0	0	0	80- 90	2.578	5588	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:X100cd									UNIT:lm		

Conical surface Flux(90deg): 5425.4 lm

%lum = 97.1%

%lamp = 97.1%

Conical surface Flux(130deg): 5547.6 lm

%lum = 99.3%

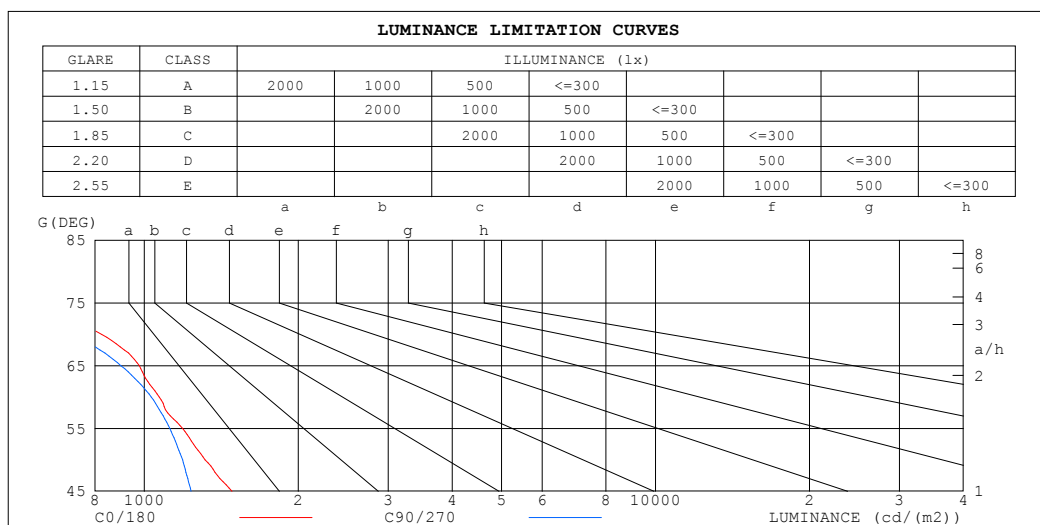
%lamp = 99.3%

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LJM
Test Date:2023-03-24

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:8.920m [K=1.0000]
Remarks:
F-裸光

LUMINANCE LIMITATION CURVES

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.:	Shielding Angle:



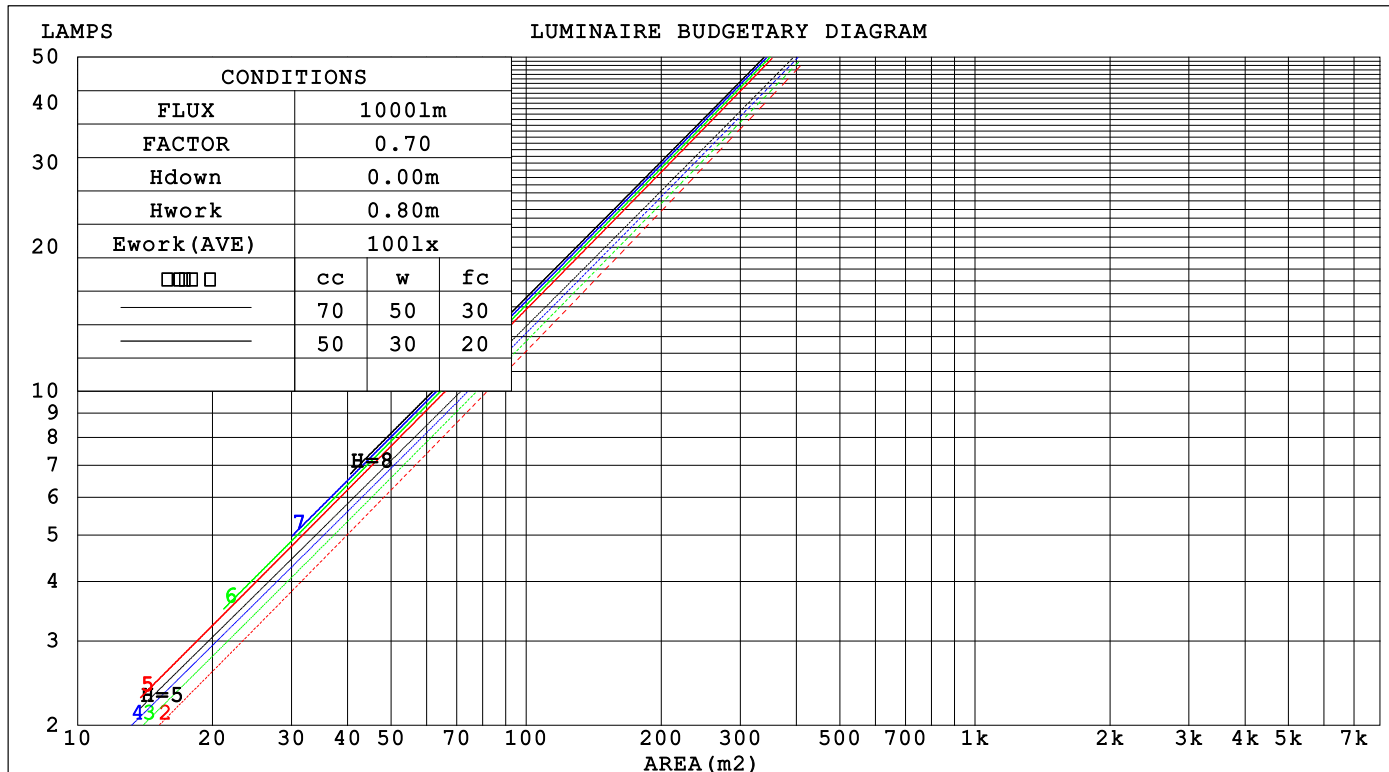
H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LJM
Test Date:2023-03-24

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:8.920m [K=1.0000]
Remarks:
F-裸光

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.:	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0														
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
□fc	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	1.14	1.12	1.11	1.12	1.10	1.09	1.08	1.07	1.05	1.04	1.03	1.02	1.01	1.00	.99	.98														
2.0	1.09	1.07	1.05	1.08	1.05	1.03	1.05	1.03	1.01	1.02	1.00	.99	.99	.98	.97	.96														
3.0	1.06	1.03	1.00	1.05	1.02	.99	1.02	.00	.98	.00	.98	.97	.98	.96	.95	.94														
4.0	1.03	.00	.97	1.02	.99	.96	.00	.97	.95	.98	.96	.94	.96	.95	.93	.92														
5.0	1.00	.97	.94	.99	.96	.94	.98	.95	.93	.97	.94	.93	.95	.93	.92	.91														
6.0	.98	.95	.92	.97	.94	.92	.96	.94	.91	.95	.93	.91	.94	.92	.90	.90														
7.0	.96	.93	.91	.96	.93	.90	.95	.92	.90	.94	.91	.90	.93	.91	.89	.88														
8.0	.95	.91	.89	.94	.91	.89	.93	.91	.89	.92	.90	.88	.92	.90	.88	.87														
9.0	.93	.90	.88	.93	.90	.88	.92	.89	.87	.91	.89	.87	.91	.89	.87	.86														
10.0	.92	.89	.87	.91	.89	.87	.91	.88	.86	.90	.88	.86	.90	.88	.86	.85														



H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LJM
Test Date:2023-03-24

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:8.920m [K=1.0000]
Remarks:
F-裸光

WEC AND CCEC

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.:	Shielding Angle:

□cc	80%	70%	50%	30%	10%	0
□w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
□fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)					
0.0						
1.0	.121 .069 .022	.114 .065 .021	.102 .058 .019	.091 .052 .017	.080 .046 .015	
2.0	.110 .060 .019	.105 .058 .018	.095 .053 .016	.085 .048 .015	.077 .043 .014	
3.0	.101 .054 .016	.096 .052 .016	.088 .048 .014	.080 .044 .013	.073 .040 .013	
4.0	.093 .048 .014	.089 .047 .014	.082 .043 .013	.076 .041 .012	.070 .038 .012	
5.0	.086 .044 .013	.083 .042 .012	.077 .040 .012	.071 .038 .011	.066 .035 .011	
6.0	.080 .040 .011	.077 .039 .011	.072 .037 .011	.067 .035 .010	.063 .033 .010	
7.0	.074 .037 .010	.072 .036 .010	.068 .034 .010	.064 .033 .010	.060 .031 .009	
8.0	.070 .034 .010	.068 .033 .009	.064 .032 .009	.061 .031 .009	.058 .030 .009	
9.0	.066 .032 .009	.064 .031 .009	.061 .030 .009	.058 .029 .008	.055 .028 .008	
10.0	.062 .030 .008	.061 .029 .008	.058 .028 .008	.055 .027 .008	.053 .027 .008	

□cc	80%	70%	50%	30%	10%	0
□w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
□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	.167 .158 .149	.143 .135 .129	.098 .093 .089	.056 .054 .052	.018 .017 .017	
2.0	.148 .133 .120	.127 .114 .104	.087 .079 .072	.050 .046 .042	.016 .015 .014	
3.0	.132 .113 .098	.113 .098 .085	.078 .068 .060	.045 .040 .035	.014 .013 .012	
4.0	.118 .097 .082	.101 .084 .071	.070 .059 .050	.040 .034 .030	.013 .011 .010	
5.0	.107 .085 .069	.092 .073 .060	.063 .051 .042	.037 .030 .025	.012 .010 .008	
6.0	.097 .074 .058	.083 .065 .051	.057 .045 .036	.033 .027 .021	.011 .009 .007	
7.0	.088 .066 .050	.076 .057 .044	.053 .040 .031	.031 .024 .018	.010 .008 .006	
8.0	.081 .059 .043	.070 .051 .038	.048 .036 .027	.028 .021 .016	.009 .007 .005	
9.0	.075 .053 .038	.065 .046 .033	.045 .032 .024	.026 .019 .014	.008 .006 .005	
10.0	.069 .048 .033	.060 .042 .029	.042 .029 .021	.024 .017 .012	.008 .006 .004	

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LJM
Test Date:2023-03-24

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:8.920m [K=1.0000]
Remarks:
F-裸光

UGR(Unified Glare Rating) Table

NAME:	TYPE:					WEIGHT:				
SPEC.:	DIM.:					SERIAL No.: 001				
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	-1.7	-1.2	-1.5	-1.1	-0.9	-2.0	-1.5	-1.8	-1.3	-1.2
3H	-0.7	-0.2	-0.4	-0.0	0.2	-0.9	-0.4	-0.7	-0.2	-0.1
4H	-0.4	0.1	-0.1	0.3	0.5	-0.6	-0.1	-0.4	0.1	0.3
6H	-0.2	0.2	0.0	0.4	0.7	-0.6	-0.1	-0.3	0.1	0.4
8H	-0.3	0.2	0.0	0.4	0.7	-0.6	-0.1	-0.3	0.1	0.3
12H	-0.3	0.1	0.0	0.4	0.6	-0.6	-0.2	-0.3	0.1	0.3
4H 2H	-1.4	-0.9	-1.1	-0.7	-0.5	-1.5	-1.1	-1.3	-0.9	-0.7
3H	-0.3	0.2	0.0	0.4	0.7	-0.3	0.1	-0.0	0.4	0.6
4H	0.1	0.5	0.4	0.8	1.1	0.1	0.5	0.4	0.7	1.0
6H	0.2	0.6	0.6	0.9	1.2	0.2	0.5	0.5	0.8	1.2
8H	0.2	0.5	0.6	0.9	1.2	0.1	0.5	0.5	0.8	1.2
12H	0.2	0.5	0.6	0.8	1.2	0.1	0.4	0.5	0.7	1.1
8H 4H	0.2	0.5	0.6	0.9	1.2	0.1	0.5	0.5	0.8	1.2
6H	0.4	0.6	0.8	1.0	1.4	0.3	0.5	0.7	0.9	1.3
8H	0.4	0.6	0.8	1.0	1.4	0.2	0.5	0.7	0.9	1.3
12H	0.3	0.5	0.8	1.0	1.4	0.2	0.4	0.6	0.8	1.3
12H 4H	0.1	0.5	0.5	0.8	1.2	0.1	0.4	0.5	0.8	1.2
6H	0.3	0.6	0.8	1.0	1.4	0.2	0.5	0.7	0.9	1.3
8H	0.3	0.5	0.8	1.0	1.4	0.2	0.4	0.7	0.9	1.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.7 / - 0.5					+ 0.4 / - 0.6				
1.5H	+ 0.4 / - 0.6					+ 0.6 / - 0.4				
2.0H	+ 0.7 / - 0.8					+ 0.4 / - 0.6				

CIE Pub.117, 5588 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 6.0)
Area: 0.1 m2

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LJM
Test Date:2023-03-24

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:8.920m [K=1.0000]
Remarks:
F-裸光

UTILIZATION FACTORS TABLE

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.:	Shielding Angle:

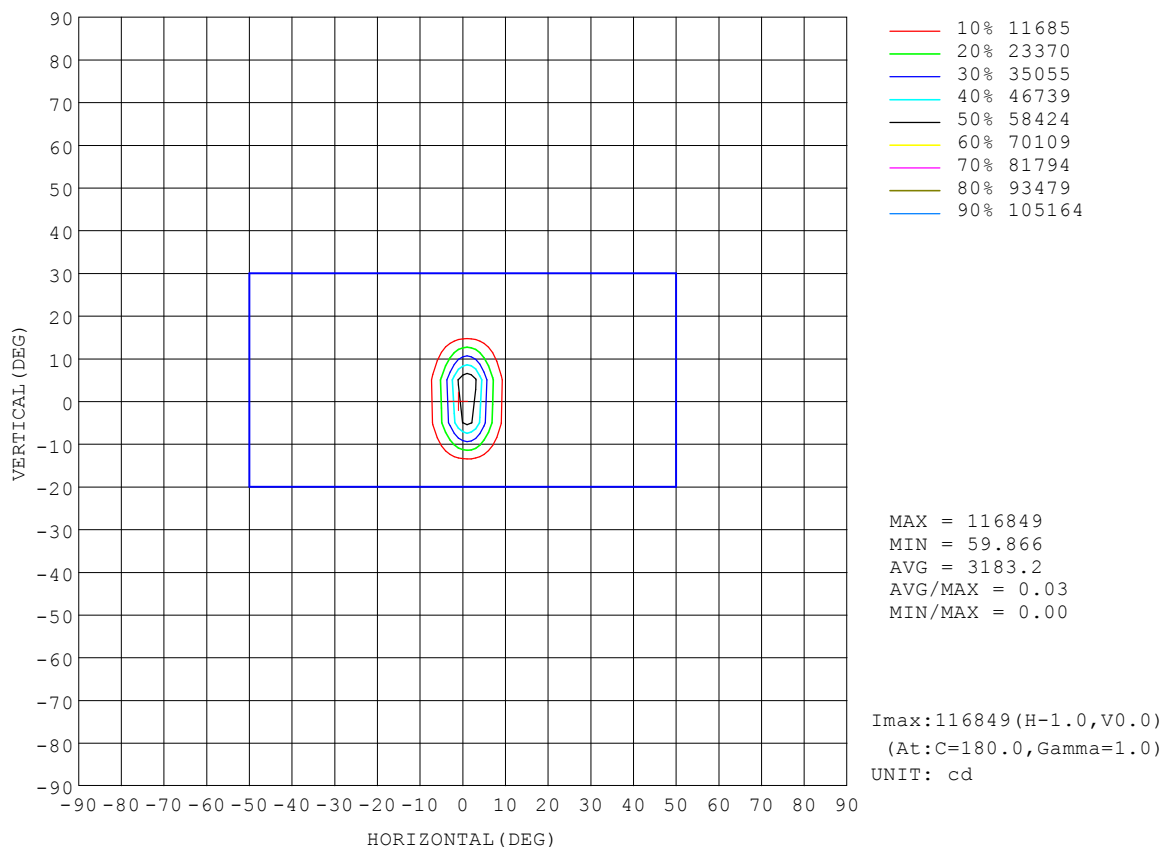
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	80	88	83	79	76
0.80	96	91	87	96	91	87	95	90	87	83
1.00	100	95	92	100	95	91	98	94	91	87
1.25	104	99	96	103	99	96	101	97	95	91
1.50	107	102	99	105	101	99	103	100	97	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	103	101	96
3.00	112	109	106	110	107	105	107	105	103	97
4.00	114	111	109	112	110	108	109	107	105	98
5.00	115	113	112	113	111	110	109	108	107	99
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LJM
Test Date:2023-03-24

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:8.920m [K=1.0000]
Remarks:
F-裸光

ISOCANDELA DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.:	Shielding Angle:

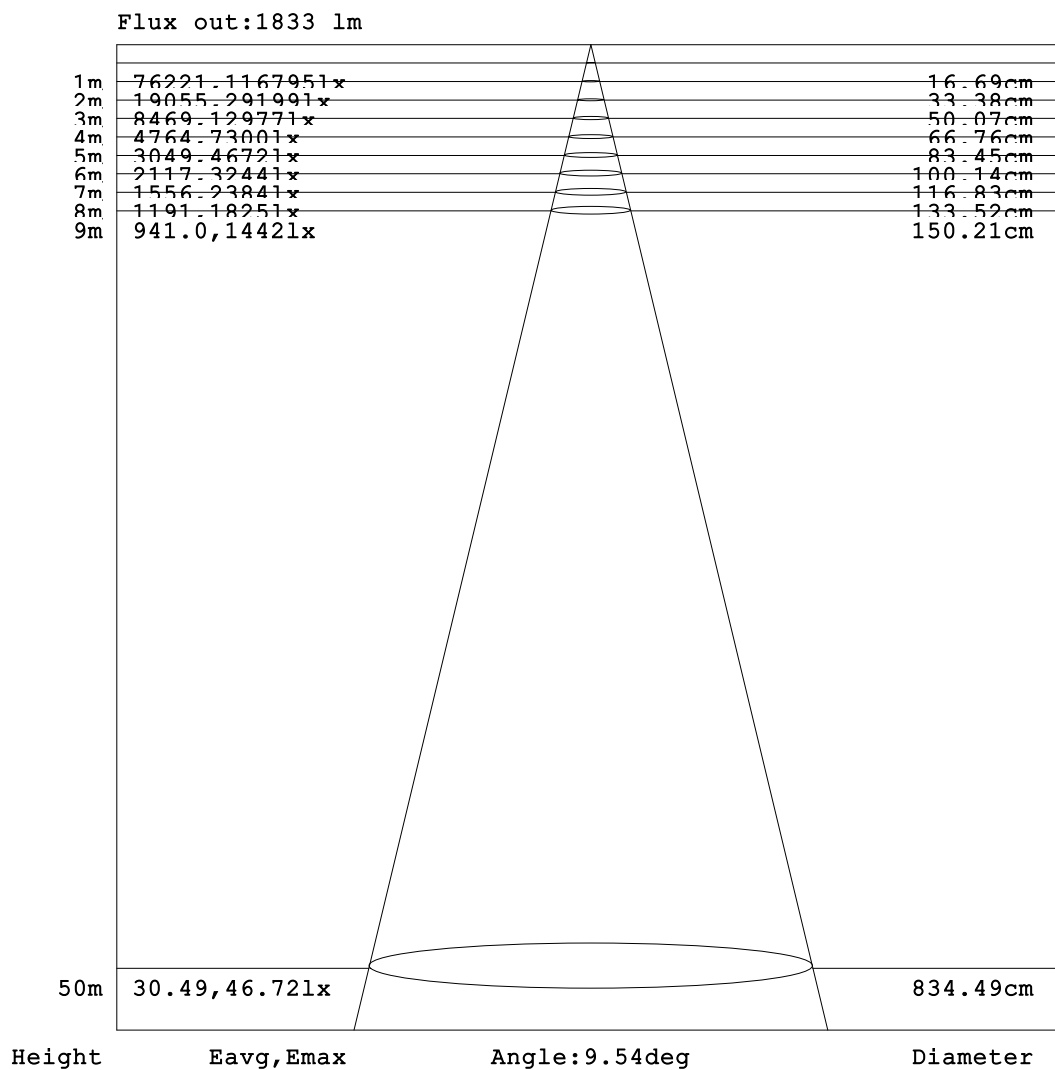


H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LJM
Test Date: 2023-03-24

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 8.920m [K=1.0000]
Remarks: F-裸光

AAI Figure

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.:	Shielding Angle:



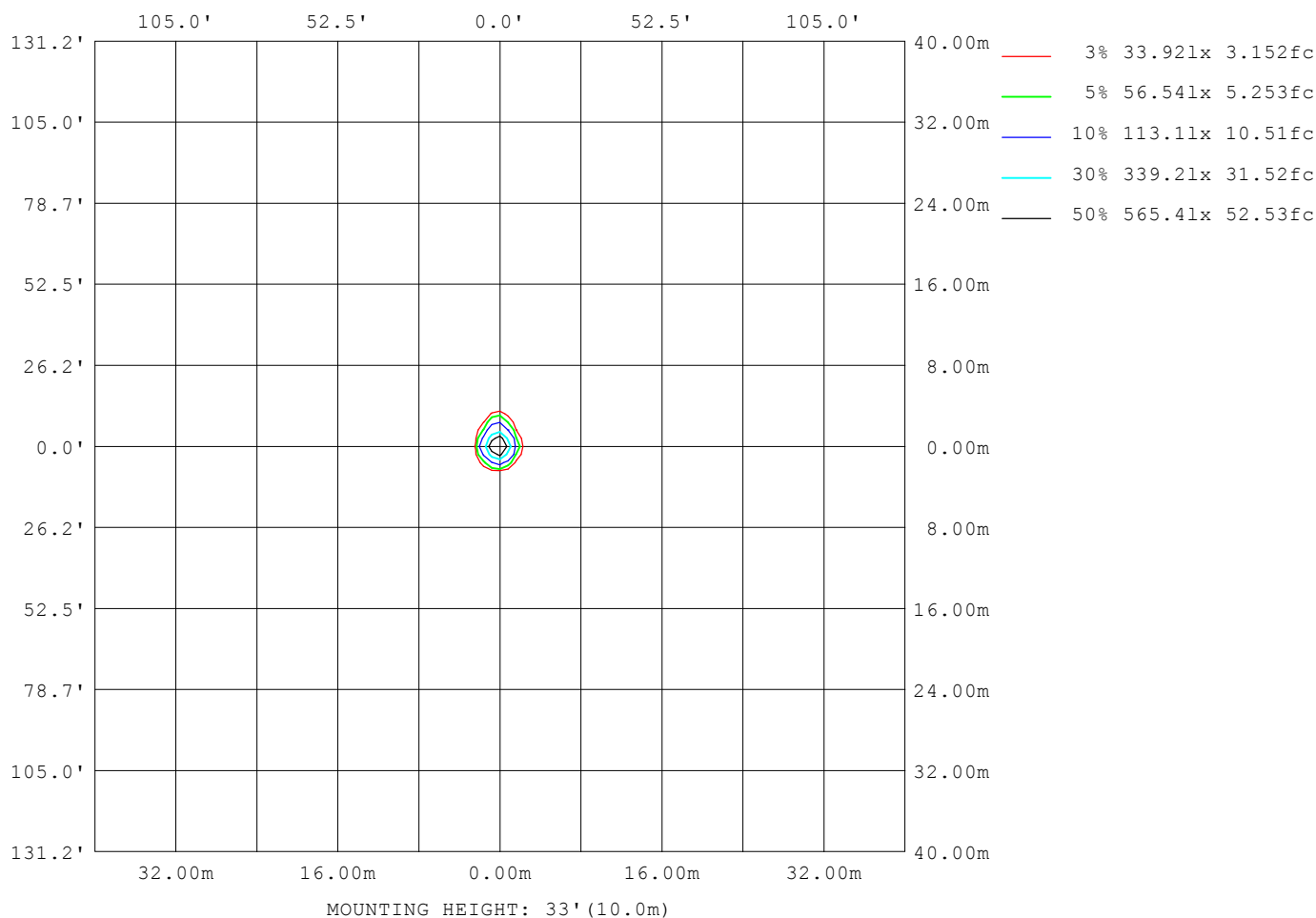
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(□) Range: -90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LJM
Test Date: 2023-03-24

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 8.920m [K=1.0000]
Remarks: F-裸光

ISOLUX DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LJM
Test Date:2023-03-24

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:8.920m [K=1.0000]
Remarks:
F-裸光

LED Avg.L Report

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.:	Shielding Angle:

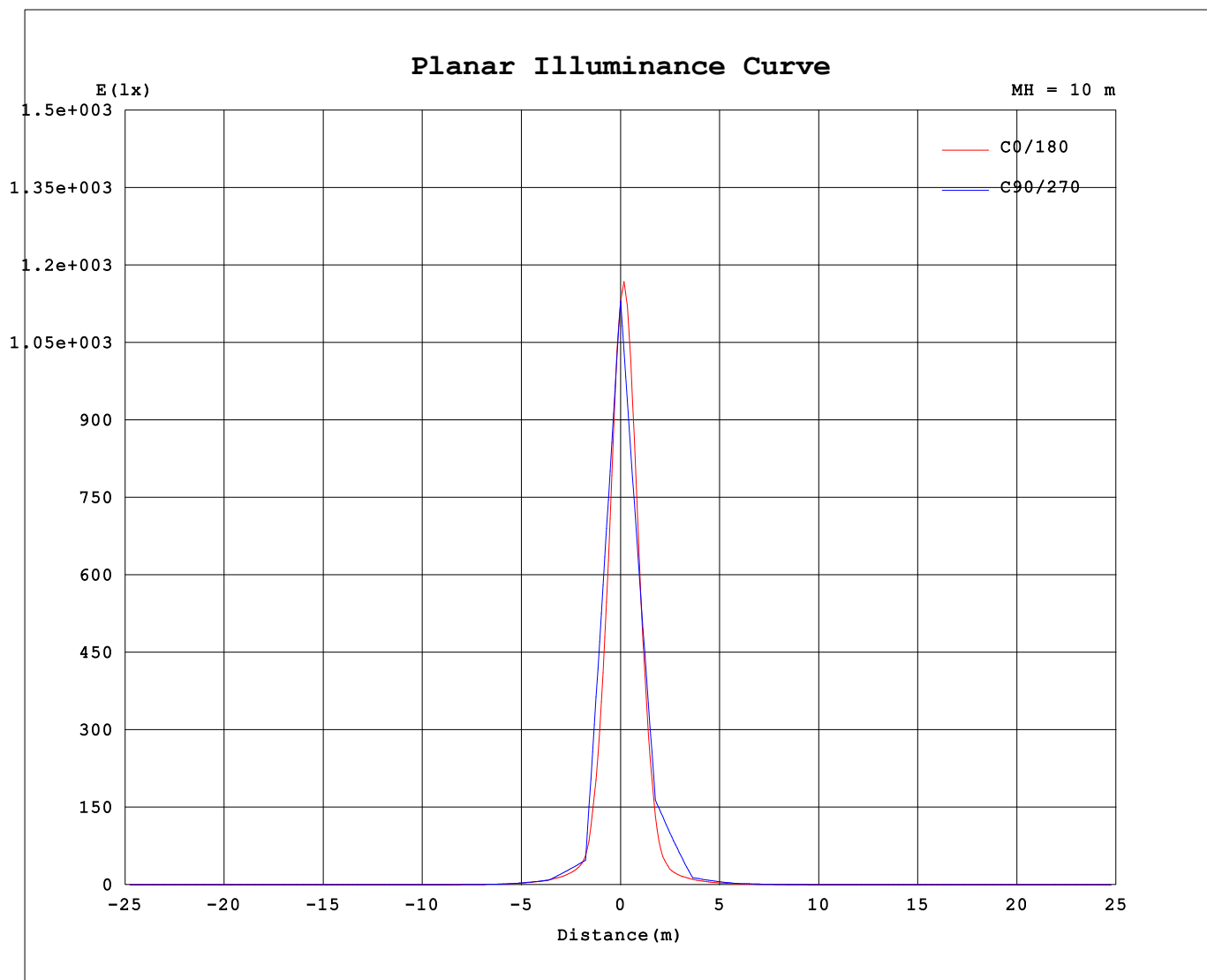
AvgL	cd/m2
L_0~180 (65) av	895
L_0~180 (75) av	614
L_0~180 (85) av	171
L_90~270 (65) av	1031
L_90~270 (75) av	744
L_90~270 (85) av	0
L_45 (65) av	1023
L_45 (75) av	715
L_45 (85) av	189

Standard: GB/T 29293-2012

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LJM
Test Date:2023-03-24

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:8.920m [K=1.0000]
Remarks:
F-裸光

Planar Illuminance Curve



H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LJM
Test Date:2023-03-24

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:8.920m [K=1.0000]
Remarks:
F-裸光

NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No.: 001
MFR. : EVERFINE	SUR. :	Shielding Angle:

UNIT: X100cd

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:8.920m [K=1.0000]
Remarks:
F-裸光

NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No.: 001
MFR. : EVERFINE	SUR. :	Shielding Angle:

UNIT: X100cd

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:8.920m [K=1.0000]
Remarks:
F-裸光

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:8.920m [K=1.0000]
Remarks:
F-裸光

NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No.: 001
MFR. : EVERFINE	SUR. :	Shielding Angle:

UNIT: X100cd

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:8.920m [K=1.0000]
Remarks:
F-裸光