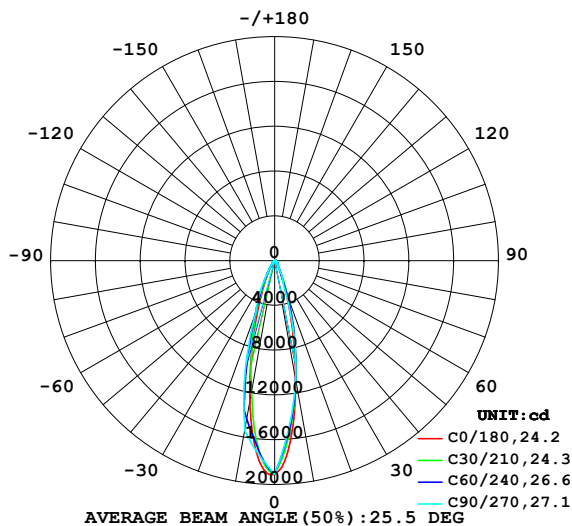


## LUMINAIRE PHOTOMETRIC TEST REPORT

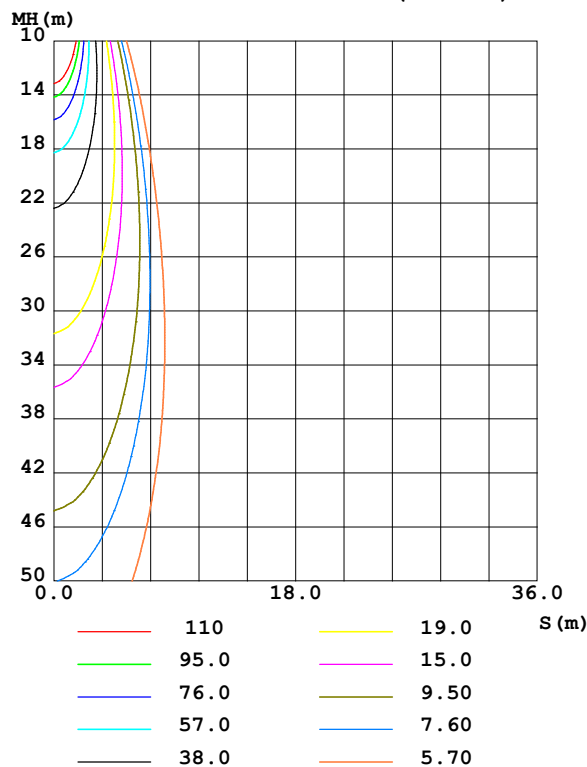
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 33.84 lm/W
MODEL	Y31807-052	Imax (cd)	19143	S/MH(C0/180)	0.44	
NOMINAL POWER(W)	196	LOR(%)	100.0	S/MH(C90/270)	0.50	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	5083.7	□ UP,DN(C0-180)	0.0,42.9	
NOMINAL FLUX(lm)	5083.74	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.0,57.1	
LAMPS INSIDE	1	□ up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	219.5	□ down (%)	100.0	CIBSE SHR MAX	0.30	

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-双面磨砂

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	1084	1083	1083	1011	1280	1312	1541	1300	0- 10	1407	1407	27.7,27.7
20	290.7	370.5	237.7	283.9	403.7	476.8	496.2	487.3	10- 20	2037	3444	67.7,67.7
30	66.77	75.39	74.00	64.97	102.2	129.1	122.3	111.1	20- 30	922.4	4366	85.9,85.9
40	21.02	24.12	25.76	28.12	33.06	38.90	37.84	33.49	30- 40	350.0	4716	92.8,92.8
50	10.18	11.36	11.82	13.86	15.58	17.36	17.12	15.51	40- 50	164.6	4881	96,96
60	6.187	7.940	6.036	6.119	9.155	9.973	9.900	9.189	50- 60	98.43	4979	97.9,97.9
70	3.695	3.406	3.227	4.205	5.341	5.854	5.867	5.438	60- 70	62.88	5042	99.2,99.2
80	1.474	1.611	1.307	1.344	2.253	2.570	2.647	2.390	70- 80	34.53	5077	99.9,99.9
90	0.0121	0	0	0	0.0116	0	0	0	80- 90	7.031	5084	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): 4810.3 lm

%lum = 94.6%

%lamp = 94.6%

Conical surface Flux(130deg): 5014.4 lm

%lum = 98.6%

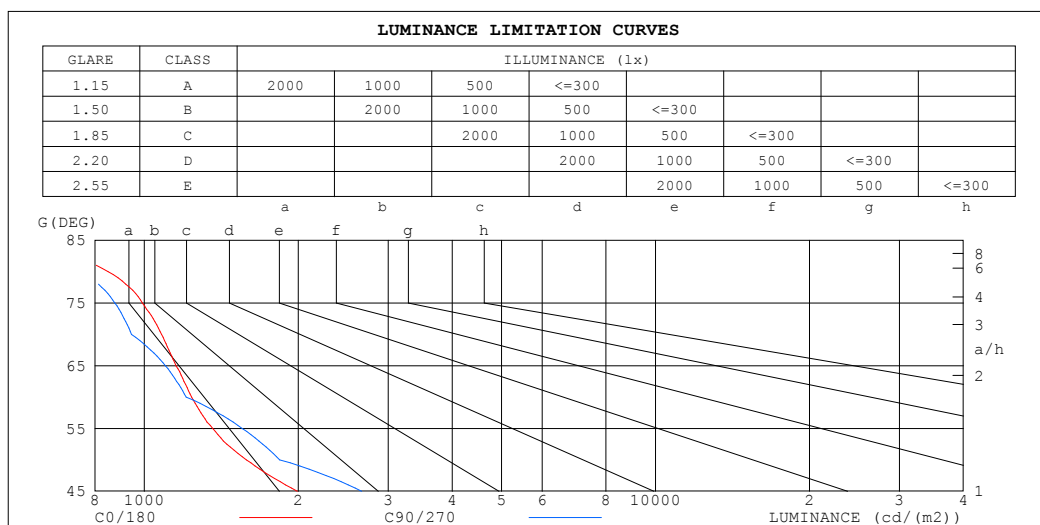
%lamp = 98.6%

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-双面磨砂

## LUMINANCE LIMITATION CURVES

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



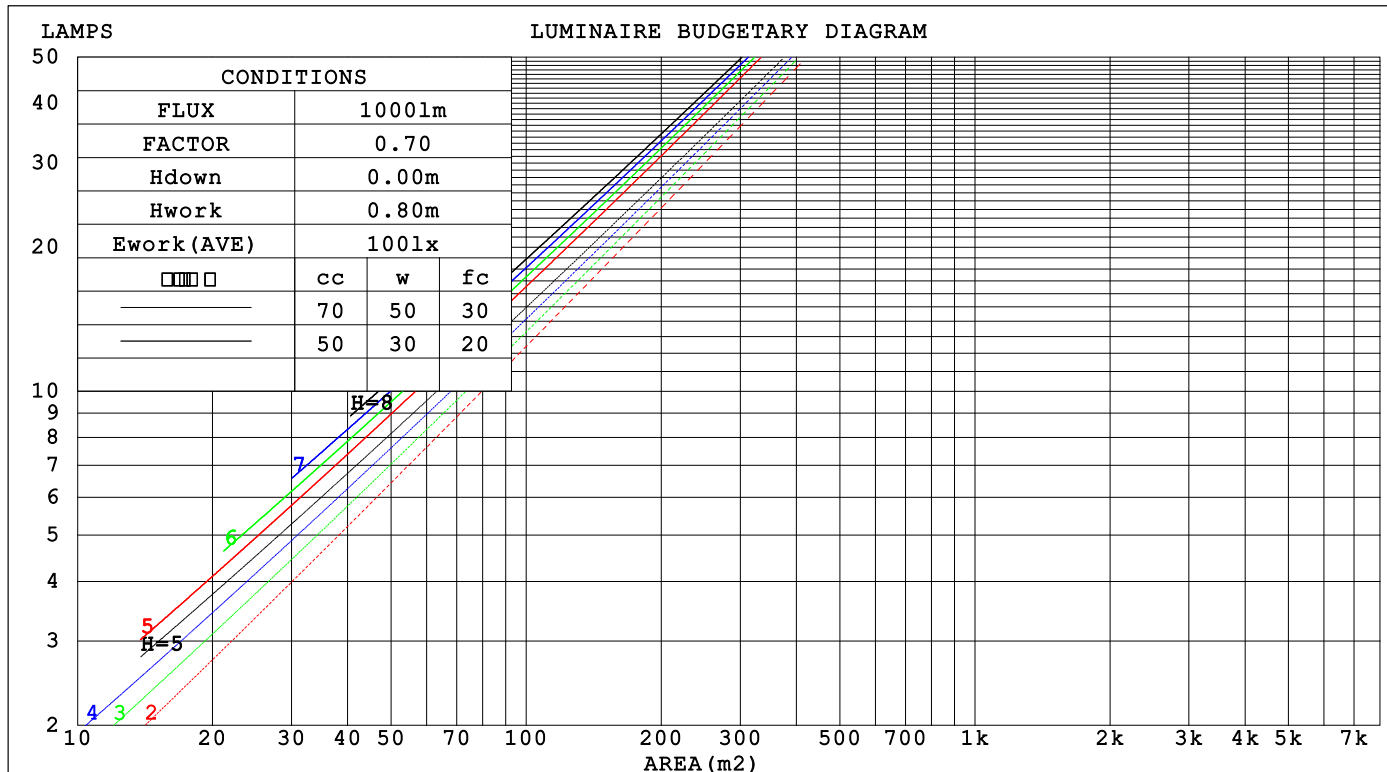
H(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LJM  
Test Date:2023-03-24

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-双面磨砂

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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

<input type="checkbox"/> cc	80%			70%			50%			30%			10%			0														
<input type="checkbox"/> w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
<input type="checkbox"/> 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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95														
2.0	1.05	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.93	.92	.90														
3.0	.00	.96	.92	.98	.95	.92	.96	.93	.90	.94	.91	.89	.91	.89	.87	.86														
4.0	.95	.90	.87	.94	.90	.86	.92	.88	.85	.90	.87	.84	.88	.86	.83	.82														
5.0	.91	.86	.82	.90	.85	.82	.88	.84	.81	.87	.83	.81	.85	.82	.80	.79														
6.0	.87	.82	.78	.86	.82	.78	.85	.81	.78	.83	.80	.77	.82	.79	.77	.75														
7.0	.83	.79	.75	.83	.78	.75	.82	.78	.75	.80	.77	.74	.79	.76	.74	.73														
8.0	.80	.75	.72	.80	.75	.72	.79	.75	.72	.78	.74	.71	.77	.74	.71	.70														
9.0	.77	.73	.69	.77	.72	.69	.76	.72	.69	.75	.72	.69	.75	.71	.69	.68														
10.0	.75	.70	.67	.74	.70	.67	.74	.70	.67	.73	.69	.67	.72	.69	.66	.65														



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-双面磨砂

### 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	.158 .090 .029	.152 .087 .027	.139 .080 .026	.128 .074 .024	.117 .068 .022	
2.0	.148 .081 .025	.143 .079 .024	.132 .074 .023	.123 .069 .022	.114 .064 .020	
3.0	.139 .074 .022	.134 .072 .022	.125 .068 .021	.117 .064 .020	.110 .061 .019	
4.0	.130 .068 .020	.126 .066 .020	.119 .063 .019	.112 .060 .018	.105 .057 .017	
5.0	.123 .062 .018	.119 .061 .018	.113 .059 .017	.107 .056 .017	.101 .054 .016	
6.0	.116 .058 .017	.113 .057 .016	.107 .055 .016	.102 .053 .016	.097 .051 .015	
7.0	.110 .054 .015	.107 .053 .015	.102 .052 .015	.098 .050 .015	.094 .049 .014	
8.0	.104 .051 .014	.102 .050 .014	.098 .049 .014	.094 .048 .014	.090 .046 .013	
9.0	.100 .048 .013	.098 .048 .013	.094 .046 .013	.090 .045 .013	.087 .044 .013	
10.0	.095 .046 .013	.093 .045 .013	.090 .044 .012	.087 .043 .012	.084 .042 .012	

□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	.170 .157 .146	.145 .135 .126	.099 .093 .087	.057 .054 .051	.018 .017 .016	
2.0	.153 .133 .115	.131 .114 .100	.090 .079 .070	.052 .046 .041	.017 .015 .013	
3.0	.139 .113 .093	.119 .098 .081	.082 .068 .056	.047 .040 .033	.015 .013 .011	
4.0	.128 .098 .076	.109 .085 .066	.075 .059 .047	.044 .035 .028	.014 .011 .009	
5.0	.118 .086 .063	.101 .075 .055	.070 .052 .039	.040 .031 .023	.013 .010 .008	
6.0	.109 .077 .053	.094 .066 .046	.065 .046 .033	.038 .027 .019	.012 .009 .006	
7.0	.102 .069 .045	.088 .059 .040	.061 .042 .028	.035 .025 .017	.011 .008 .006	
8.0	.095 .062 .039	.082 .054 .034	.057 .038 .024	.033 .022 .014	.011 .007 .005	
9.0	.090 .057 .034	.077 .049 .030	.054 .034 .021	.031 .020 .013	.010 .007 .004	
10.0	.085 .052 .030	.073 .045 .026	.051 .032 .018	.030 .019 .011	.010 .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-双面磨砂

### 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	2.7	3.4	2.9	3.6	3.8	2.5	3.2	2.7	3.4	3.5
3H	3.4	4.1	3.6	4.3	4.5	3.0	3.7	3.2	3.9	4.1
4H	3.7	4.4	4.0	4.6	4.8	3.2	3.9	3.4	4.1	4.3
6H	3.9	4.5	4.2	4.8	5.0	3.3	4.0	3.6	4.2	4.5
8H	3.9	4.5	4.2	4.8	5.0	3.4	4.0	3.7	4.2	4.5
12H	3.9	4.5	4.2	4.7	5.0	3.3	3.9	3.6	4.2	4.5
4H 2H	2.9	3.6	3.2	3.8	4.1	2.7	3.4	3.0	3.6	3.8
3H	3.8	4.4	4.2	4.7	5.0	3.3	3.9	3.7	4.2	4.5
4H	4.2	4.8	4.6	5.1	5.4	3.7	4.2	4.0	4.5	4.8
6H	4.5	5.0	4.9	5.3	5.7	3.9	4.4	4.3	4.8	5.1
8H	4.6	5.0	4.9	5.4	5.7	4.0	4.4	4.4	4.8	5.1
12H	4.5	5.0	5.0	5.3	5.7	3.9	4.4	4.3	4.7	5.1
8H 4H	4.3	4.8	4.7	5.1	5.5	3.8	4.2	4.2	4.6	5.0
6H	4.7	5.1	5.1	5.5	5.9	4.2	4.5	4.6	4.9	5.4
8H	4.8	5.1	5.2	5.5	6.0	4.3	4.6	4.7	5.0	5.4
12H	4.8	5.1	5.3	5.5	6.0	4.2	4.5	4.7	4.9	5.4
12H 4H	4.3	4.7	4.7	5.1	5.5	3.8	4.2	4.2	4.6	5.0
6H	4.7	5.0	5.1	5.4	5.9	4.2	4.5	4.6	4.9	5.4
8H	4.8	5.1	5.3	5.5	6.0	4.3	4.6	4.8	5.0	5.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.9 / - 1.2					+ 0.9 / - 0.9				
1.5H	+ 1.5 / - 1.2					+ 1.6 / - 0.8				
2.0H	+ 1.6 / - 1.3					+ 1.4 / - 1.3				

CIE Pub.117, 5084 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.6)  
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-双面磨砂

### UTILIZATION FACTORS TABLE

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

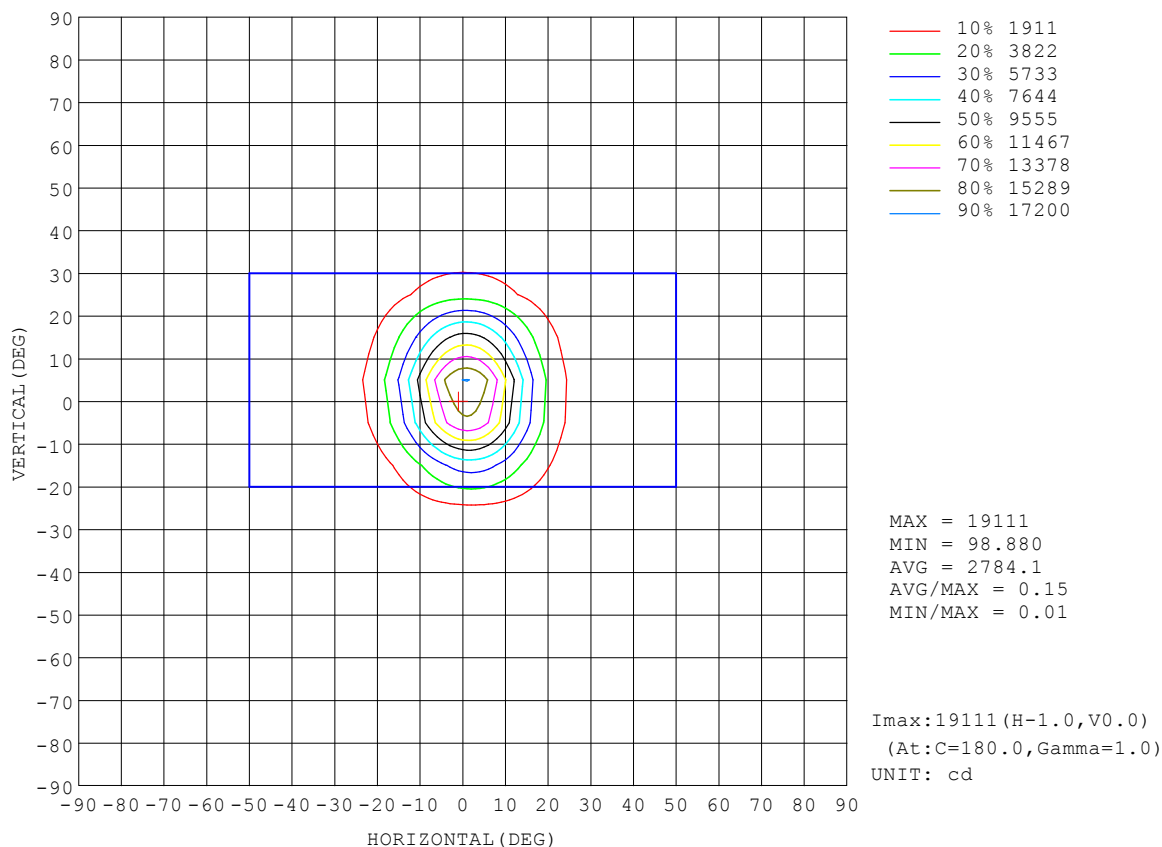
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	77	87	81	77	86	80	77	73
0.80	94	89	85	94	88	85	93	88	84	81
1.00	99	93	89	98	93	89	96	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	97	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	104	97
5.00	115	113	111	113	111	109	109	107	106	98
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-双面磨砂

## ISOCANDELA DIAGRAM

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



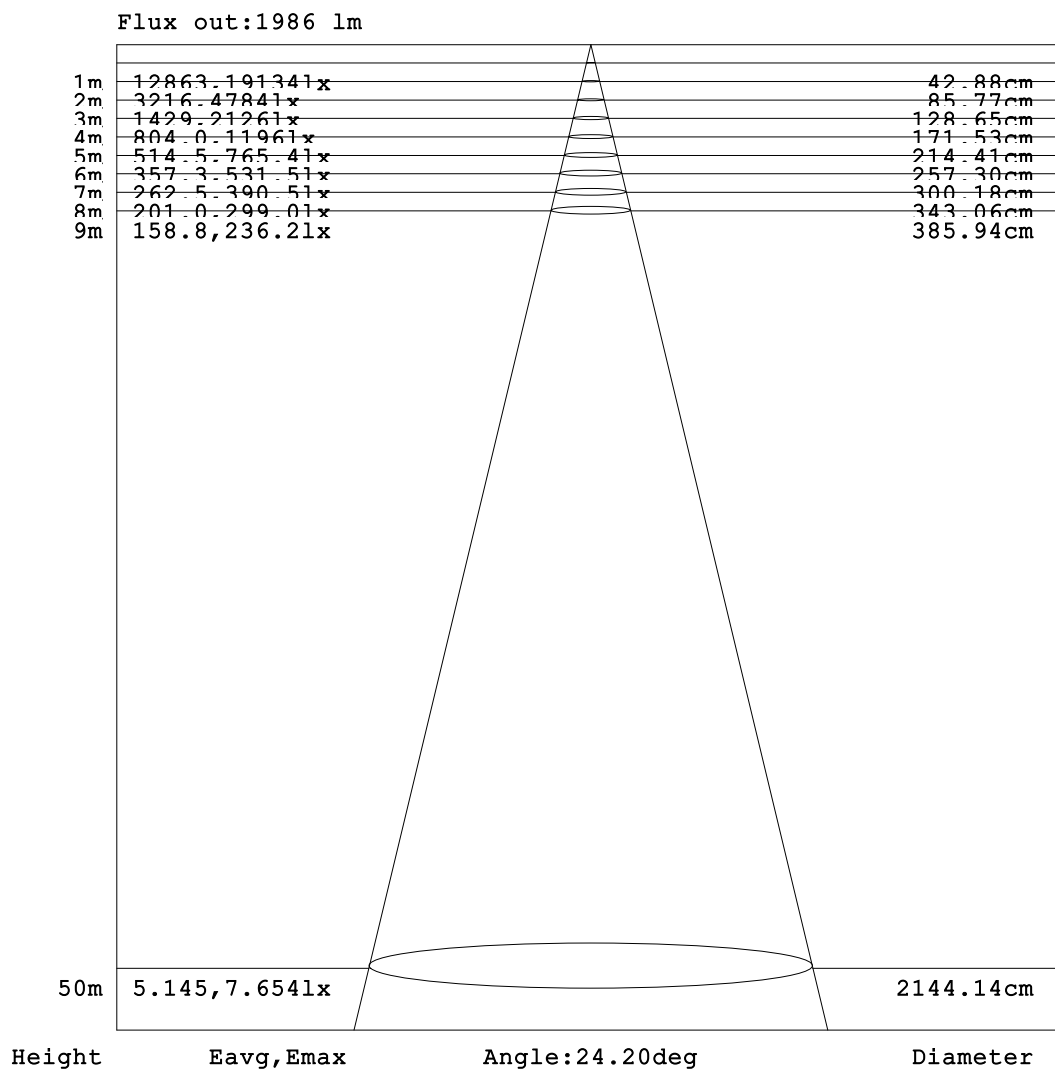
H(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LJM  
Test Date:2023-03-24

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-双面磨砂



### AAI Figure

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



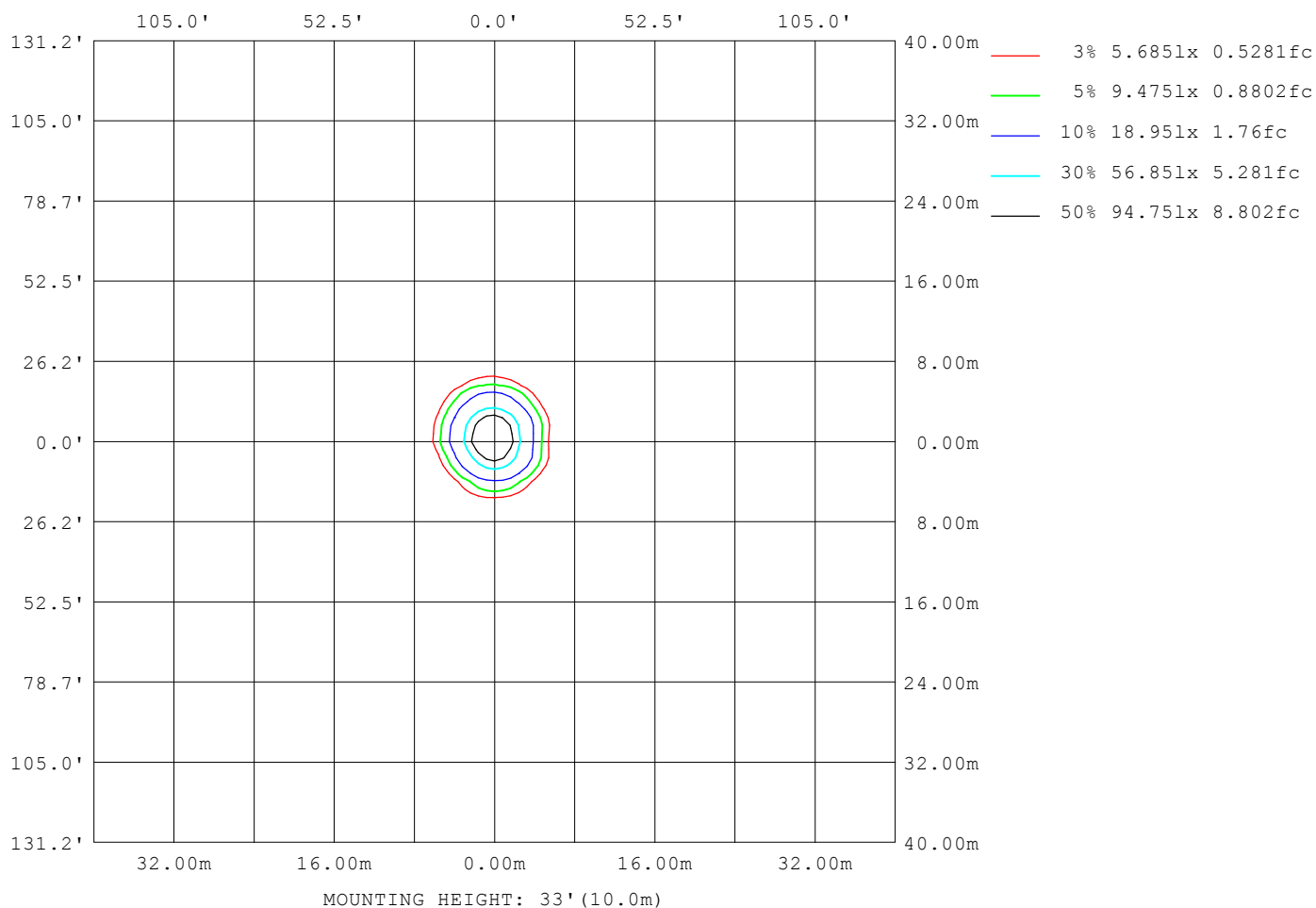
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
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-双面磨砂

## 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-双面磨砂

## LED Avg.L Report

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

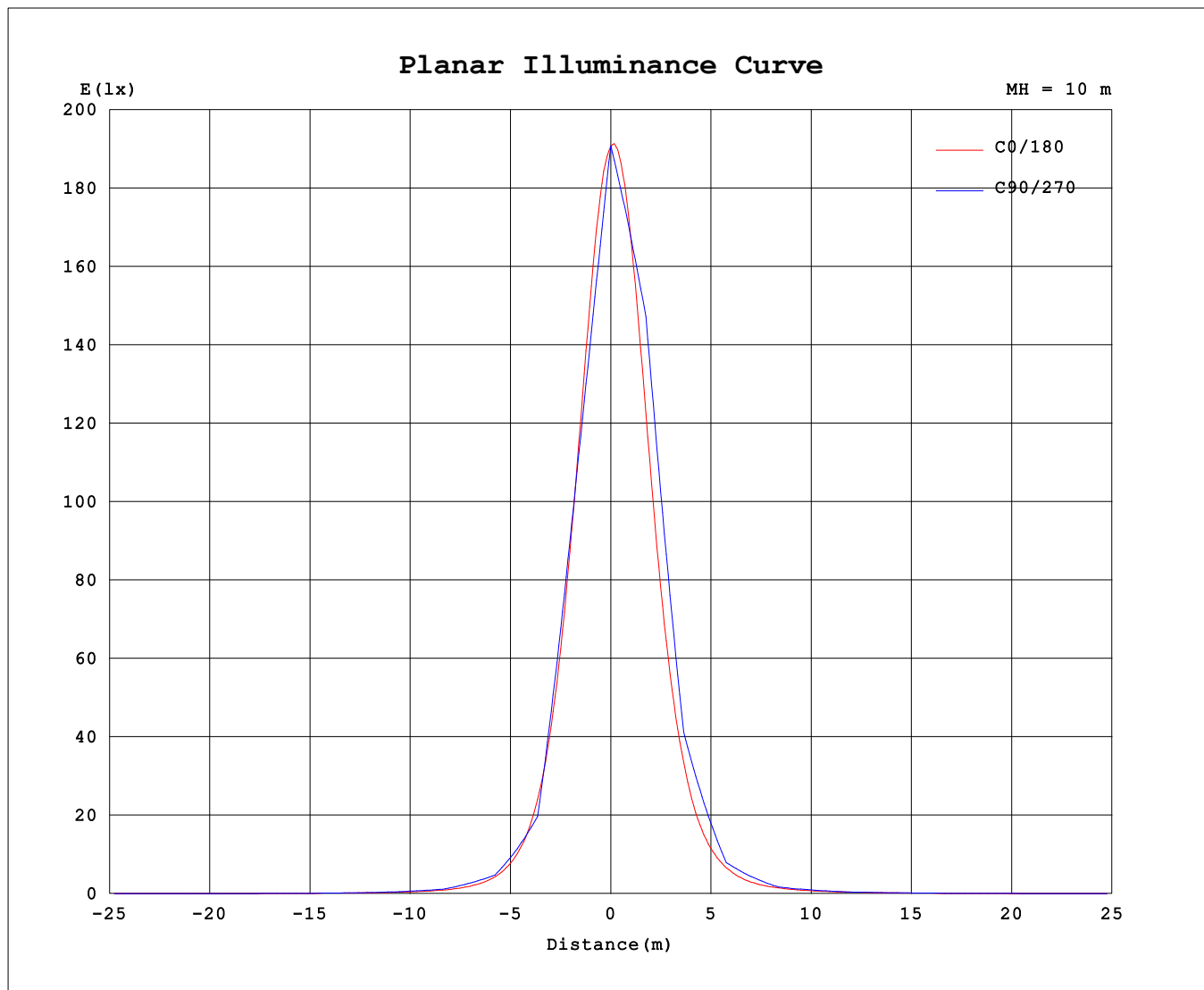
AvgL	cd/m2
L_0~180 (65) av	1416
L_0~180 (75) av	1218
L_0~180 (85) av	761
L_90~270 (65) av	1484
L_90~270 (75) av	1261
L_90~270 (85) av	0
L_45 (65) av	1510
L_45 (75) av	1260
L_45 (85) av	589

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-双面磨砂

## 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-双面磨砂

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

UNIT: X10cd

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-双面磨砂

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

UNIT: X10cd

```
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-双面磨砂
```

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-双面磨砂

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

UNIT: X10cd

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
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