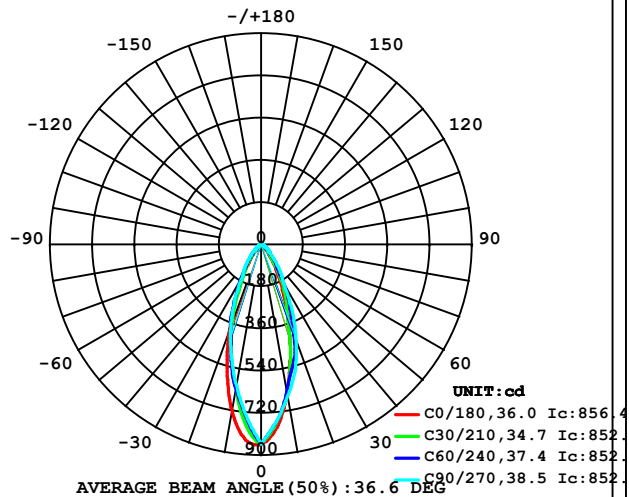


LUMINAIRE PHOTOMETRIC TEST REPORT

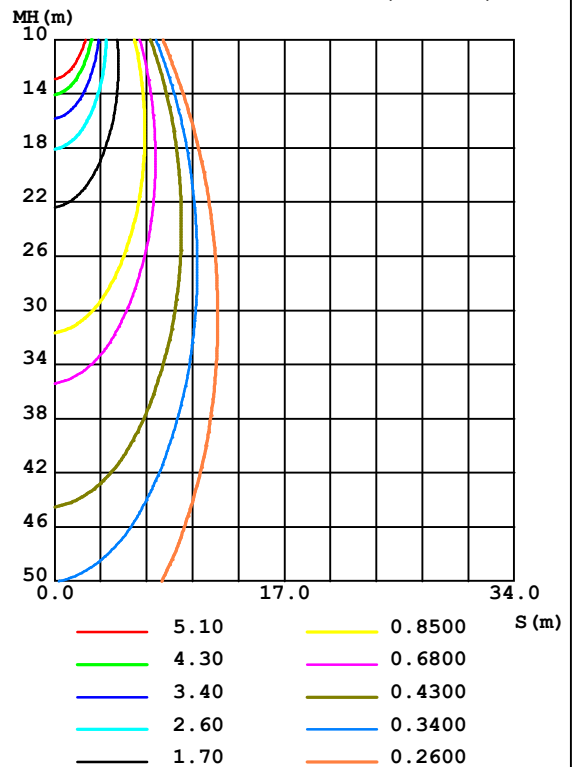
NAME: SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	TYPE:SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	
SPEC.:	DIM.:	SERIAL No.:
MFR.: KETAI	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 89.74 lm/W
5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑		Imax(cd)	856.4	S/MH(C0/180)	0.62	
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.56	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	458.58	η UP,DN(C0-180)	0.0,52.1	
NOMINAL FLUX(lm)	458.575	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,47.9	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.65	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 November 2018

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:6.960m [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	644.0	638.4	658.6	658.2	721.9	625.0	611.4	611.2	0- 10	69.00	69.00	15,15
20	341.6	401.1	438.9	416.4	401.0	364.2	381.0	361.8	10- 20	140.7	209.7	45.7,45.7
30	140.7	177.7	193.7	198.6	156.7	172.0	161.3	161.8	20- 30	121.6	331.3	72.2,72.2
40	46.70	65.68	98.41	75.12	48.85	62.34	83.52	58.82	30- 40	68.75	400.0	87.2,87.2
50	16.56	26.43	38.86	30.79	18.80	25.36	34.06	23.43	40- 50	33.25	433.3	94.5,94.5
60	5.393	10.44	15.09	11.37	4.991	9.468	12.93	9.043	50- 60	15.52	448.8	97.9,97.9
70	4.396	3.722	5.794	3.479	3.806	2.725	4.886	3.479	60- 70	6.523	455.3	99.3,99.3
80	1.404	2.193	0	1.956	1.940	1.807	0	2.213	70- 80	2.946	458.3	99.9,99.9
90	0	0	0	0	0.0011	0	0	0	80- 90	0.3170	458.6	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): 420.03 lm

%lum = 91.6%

%lamp = 91.6%

Conical surface Flux(120deg): 448.79 lm

%lum = 97.9%

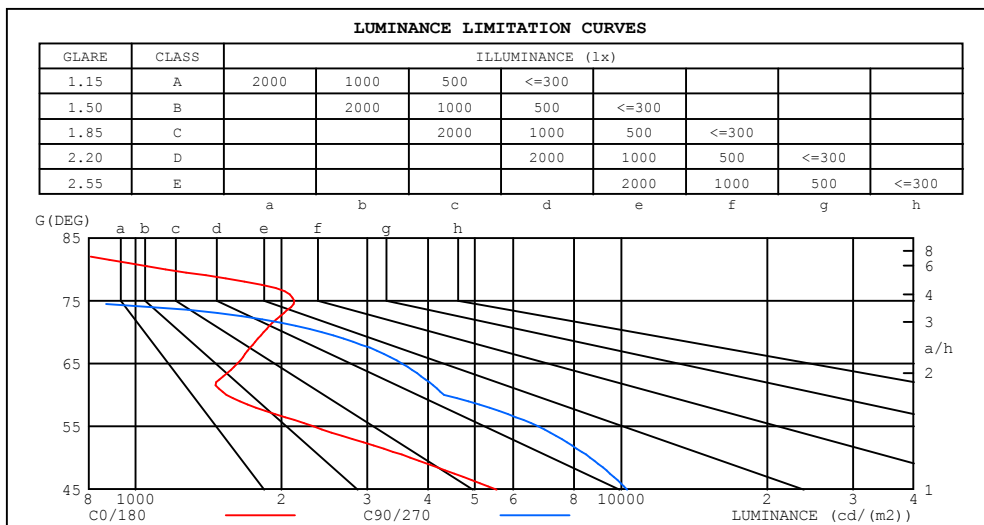
%lamp = 97.9%

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 November 2018

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	TYPE:SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	
SPEC.:	DIM.:	SERIAL No.:
MFR.: KETAI	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	432	0
80	1155	0
75	2120	642
70	1836	2420
65	1620	3538
60	1541	4313
55	2324	6736
50	3681	8636
45	5531	10283

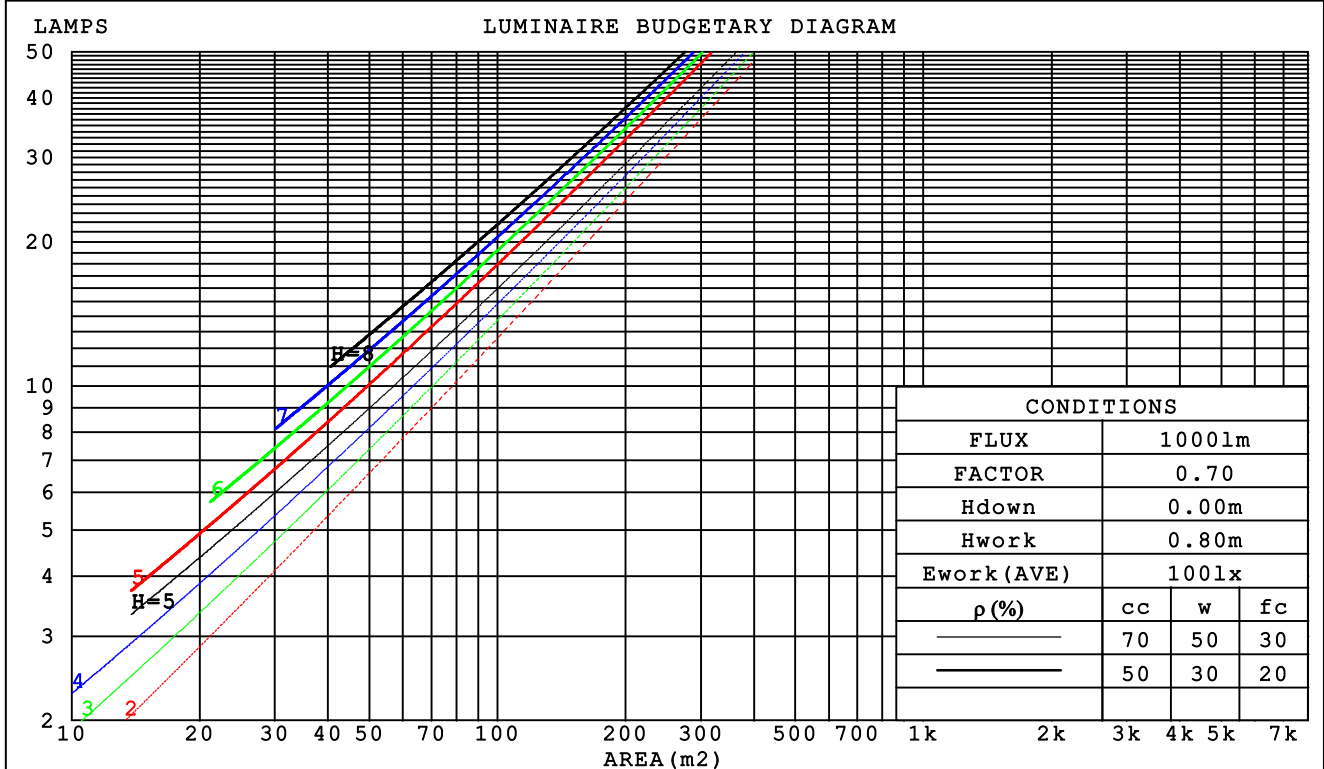
H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 November 2018

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	TYPE:SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	REF:SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑
SPEC.:	DIM.:	SERIAL No.:
MFR.: KETAI	SUR.:	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															



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 November 2018

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	TYPE:SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	WEBCRI:爱瑞克-砂黑
SPEC.:	DIM.:	SERIAL No.:
MFR.: KETAI	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	.181	.103	.033	.174	.099	.032	.162	.093	.030	.150	.087	.028	.139	.081	.026		
2.0	.173	.095	.029	.167	.092	.028	.157	.087	.027	.147	.082	.026	.138	.078	.025		
3.0	.164	.087	.026	.159	.085	.026	.150	.081	.025	.142	.078	.024	.134	.074	.023		
4.0	.155	.081	.024	.151	.079	.023	.143	.076	.023	.136	.073	.022	.129	.070	.021		
5.0	.147	.075	.022	.144	.074	.021	.137	.071	.021	.131	.069	.020	.125	.067	.020		
6.0	.140	.070	.020	.137	.069	.020	.131	.067	.019	.125	.065	.019	.120	.063	.019		
7.0	.133	.066	.019	.130	.065	.018	.125	.063	.018	.120	.062	.018	.115	.060	.018		
8.0	.127	.062	.017	.124	.061	.017	.120	.060	.017	.115	.058	.017	.111	.057	.017		
9.0	.121	.059	.016	.119	.058	.016	.115	.057	.016	.111	.055	.016	.107	.054	.016		
10.0	.116	.056	.015	.114	.055	.015	.110	.054	.015	.106	.053	.015	.103	.052	.015		

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	.171	.157	.145	.147	.135	.124	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.132	.112	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.089	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.134	.099	.072	.115	.085	.063	.079	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.125	.087	.060	.107	.076	.052	.074	.053	.037	.043	.031	.022	.014	.010	.007	
6.0	.117	.078	.050	.101	.068	.043	.070	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.111	.070	.042	.095	.061	.037	.066	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.105	.064	.036	.090	.056	.032	.062	.039	.022	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.031	.086	.051	.027	.059	.036	.019	.035	.021	.012	.011	.007	.004	
10.0	.095	.054	.028	.082	.047	.024	.057	.033	.017	.033	.020	.010	.011	.006	.003	

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:19 November 2018

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:6.960m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

NAME: SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑					TYPE:SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑						
SPEC.:					DIM.:			SERIAL No.:			
MFR.: KETAI					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	16.1	17.0	16.3	17.2	17.3	19.5	20.5	19.7	20.6	20.8	
	3H	16.2	17.1	16.5	17.3	17.5	19.7	20.5	19.9	20.7	20.9
	4H	16.4	17.3	16.7	17.5	17.7	19.6	20.5	19.9	20.7	20.9
	6H	16.6	17.3	16.9	17.6	17.8	19.5	20.3	19.8	20.6	20.8
	8H	16.5	17.3	16.9	17.5	17.8	19.5	20.2	19.8	20.5	20.8
	12H	16.5	17.2	16.8	17.5	17.8	19.4	20.2	19.8	20.4	20.7
4H	2H	16.2	17.0	16.5	17.2	17.4	19.4	20.2	19.7	20.4	20.7
	3H	16.4	17.2	16.8	17.4	17.7	19.6	20.3	19.9	20.6	20.9
	4H	16.8	17.4	17.1	17.7	18.0	19.6	20.2	19.9	20.5	20.8
	6H	17.0	17.6	17.4	17.9	18.2	19.5	20.1	19.9	20.4	20.7
	8H	17.0	17.5	17.4	17.9	18.2	19.4	20.0	19.8	20.3	20.7
	12H	17.0	17.4	17.4	17.8	18.2	19.4	19.9	19.8	20.2	20.6
8H	4H	16.8	17.3	17.2	17.7	18.1	19.5	20.0	19.9	20.4	20.8
	6H	17.2	17.6	17.6	18.0	18.4	19.4	19.9	19.8	20.2	20.7
	8H	17.2	17.6	17.7	18.0	18.5	19.4	19.7	19.8	20.2	20.6
	12H	17.2	17.5	17.7	18.0	18.5	19.3	19.6	19.8	20.1	20.5
12H	4H	16.8	17.2	17.2	17.6	18.0	19.5	20.0	19.9	20.3	20.7
	6H	17.1	17.5	17.6	17.9	18.4	19.4	19.8	19.8	20.2	20.6
	8H	17.2	17.5	17.7	18.0	18.4	19.3	19.7	19.8	20.1	20.6
Variations with the observer position at spacings:											
S = 1.0H		+ 1.4 / - 2.1					+ 1.8 / - 2.5				
1.5H		+ 1.8 / - 1.9					+ 3.1 / - 2.1				
2.0H		+ 2.1 / - 2.0					+ 2.5 / - 3.6				

CIE Pub.117, 458.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.7)

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 November 2018

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	TYPE:SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	REFLECTANCE:爱瑞克-砂黑
SPEC.:	DIM.:	SERIAL No.:
MFR.: KETAI	SUR.:	Shielding Angle:

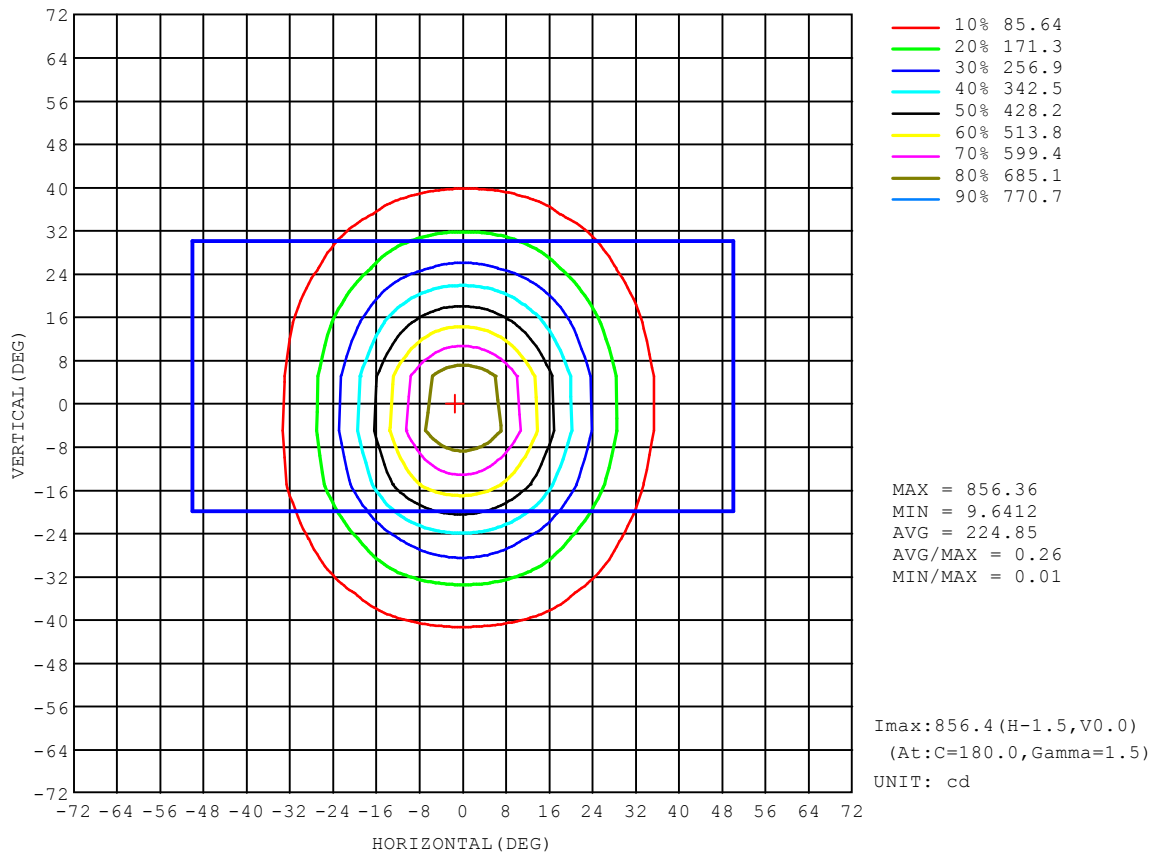
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k (RI) x RCR = 5									
k = 0.60	83	76	72	83	76	72	82	76	72	68
0.80	91	85	81	91	85	81	89	84	80	76
1.00	97	90	86	96	90	86	94	90	86	81
1.25	101	95	91	100	95	91	98	93	90	86
1.50	104	99	95	103	98	95	100	96	93	89
2.00	107	103	99	106	102	98	103	100	97	91
2.50	109	105	102	107	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	107	105	97
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 November 2018

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	TYPE:SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	MODEL:SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑
SPEC.:	DIM.:	SERIAL No.:
MFR.: KETAI	SUR.:	Shielding Angle:

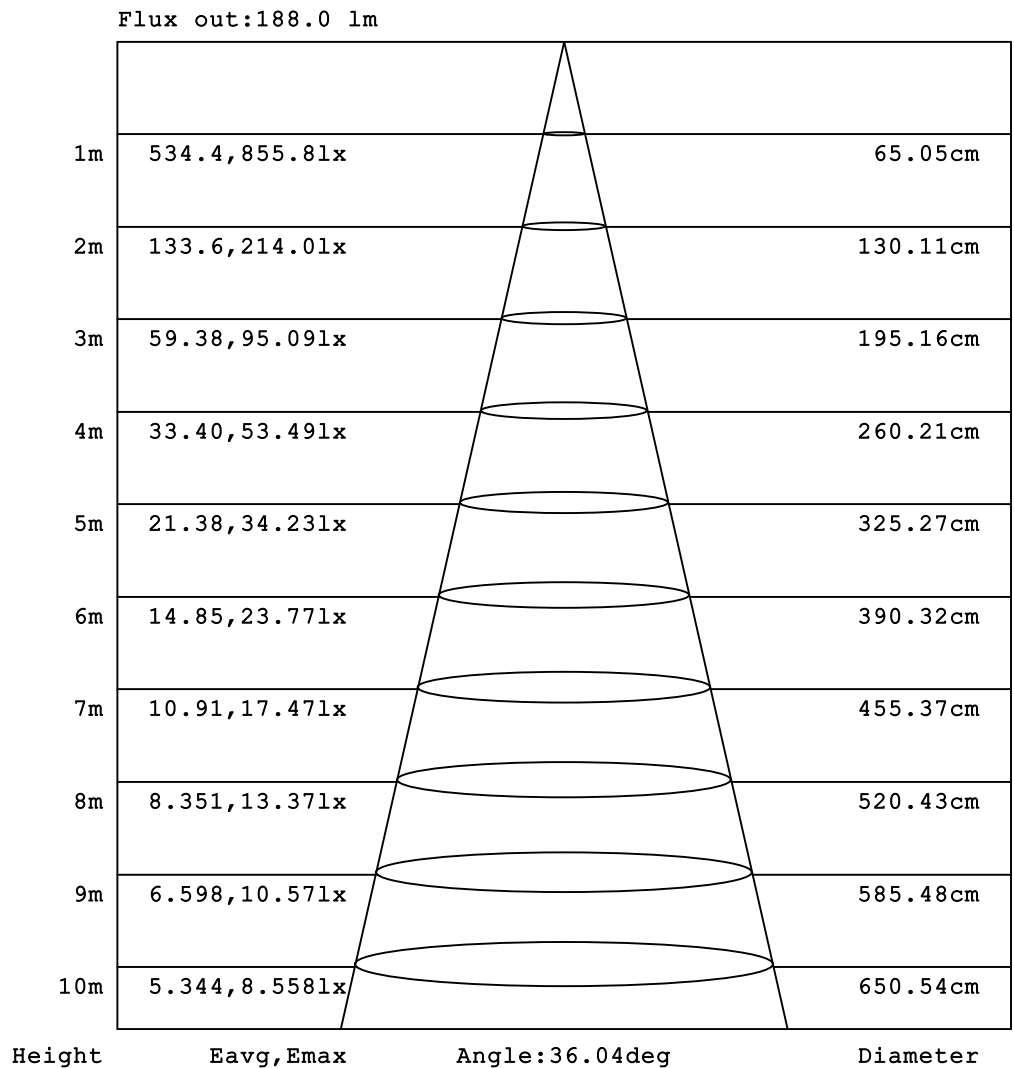


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 November 2018

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks:

AAI Figure

NAME: SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	TYPE:SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	TYPE:SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑
SPEC.:	DIM.:	SERIAL No.:
MFR.: KETAI	SUR.:	Shielding Angle:



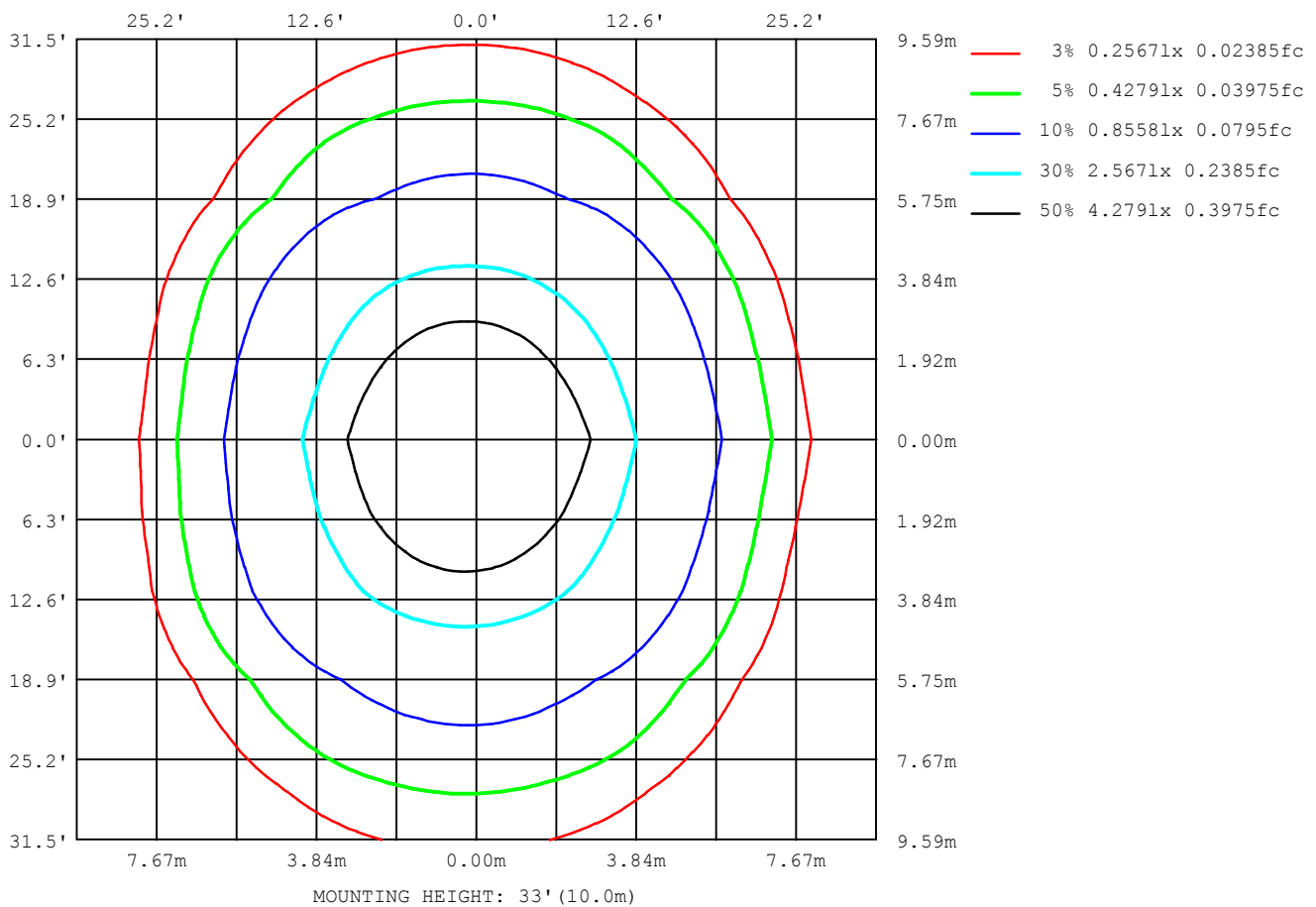
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 November 2018

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	TYPE:SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	MODEL:SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑
SPEC.:	DIM.:	SERIAL No.:
MFR.: KETAI	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 November 2018

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	TYPE:SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑	MODEL:SL372-5W-西铁城1202-3000K-80CRI-爱瑞克-砂黑
SPEC.:	DIM.:	SERIAL No.:
MFR.: KETAI	SUR.:	Shielding Angle:

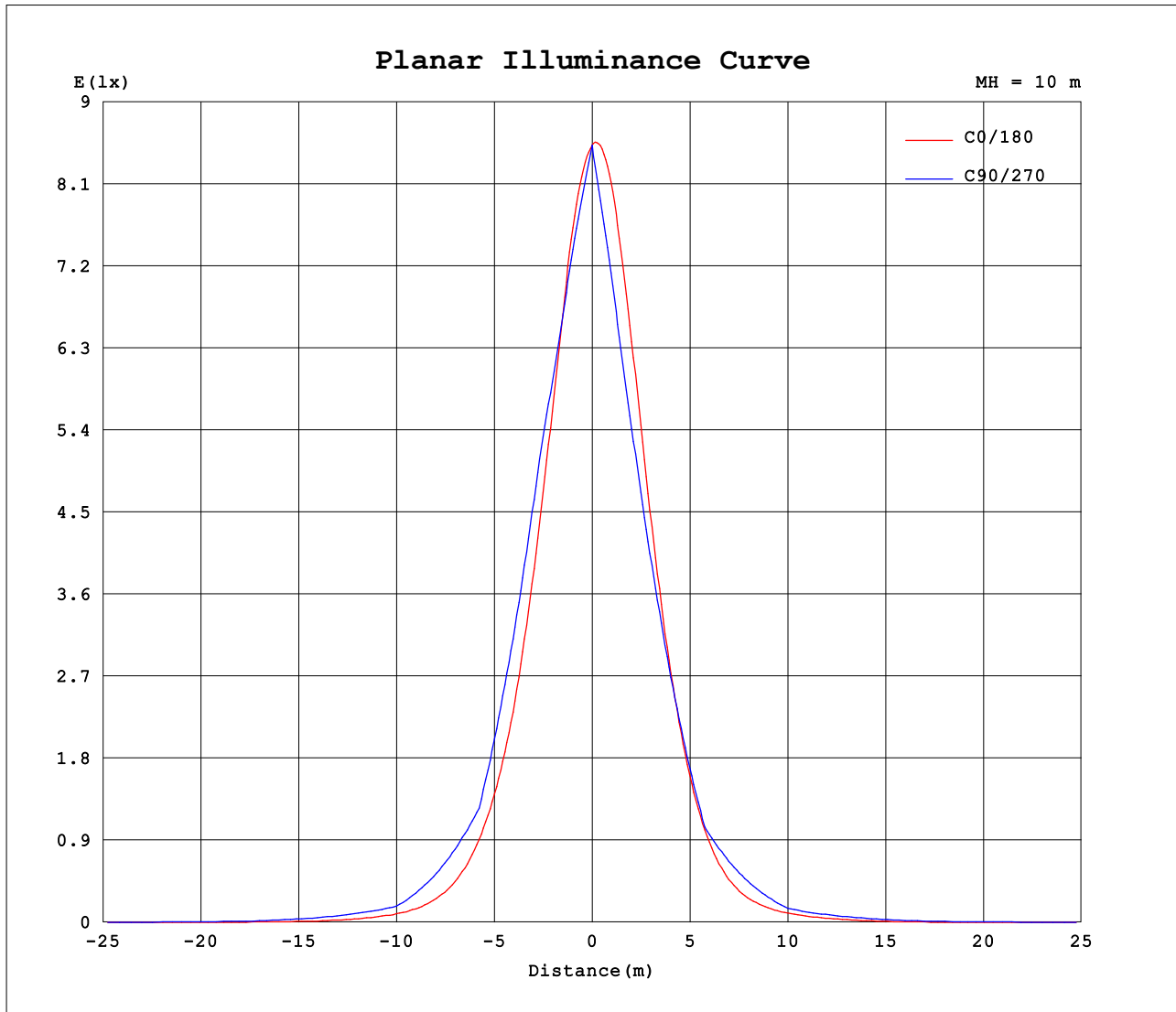
AvgL	cd/m2
L_0~180 (65) av	1478
L_0~180 (75) av	2009
L_0~180 (85) av	574
L_90~270 (65) av	3271
L_90~270 (75) av	551
L_90~270 (85) av	0
L_45 (65) av	1929
L_45 (75) av	1566
L_45 (85) av	0

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 November 2018

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 November 2018

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks:

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks:

```
V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks:
```

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks:

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks: