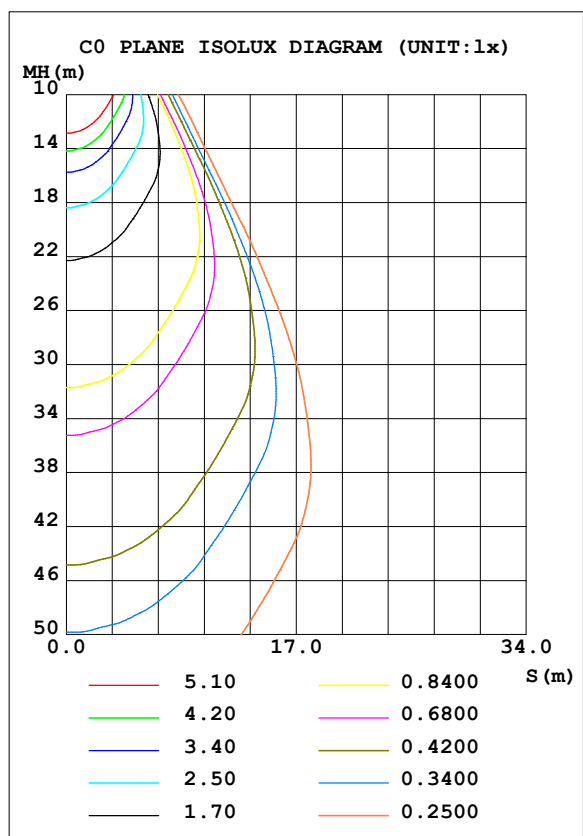


DATA OF LAMP			PHOTOMETRIC DATA Eff: 101.63 lm/W			
MODEL			Imax (cd)	847.2	S/MH (C0/180)	0.87
NOMINAL POWER (W)			LOR (%)	68.7	S/MH (C90/270)	0.83
RATED VOLTAGE (V)			TOTAL FLUX (lm)	644.48	η UP, DN (C0-180)	0.0, 34.3
NOMINAL FLUX (lm)	938.436		CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 34.3
LAMPS INSIDE	1		η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)			η down (%)	68.7	CIBSE SHR MAX	0.85



```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:9.587m [K=1.0000]
Remarks:

```



/EMPOTRABLE TIRSIO 6W (06.60.001_._)

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	765.9	778.2	785.7	784.6	783.7	775.4	762.8	757.2	0- 10	77.32	77.32	12,8.24
20	595.9	615.7	618.8	608.7	611.8	601.6	575.1	572.6	10- 20	192.6	269.9	41.9,28.8
30	323.9	346.8	365.6	375.8	390.4	381.8	348.8	329.7	20- 30	227.8	497.7	77.2,53
40	50.99	53.10	54.15	57.35	71.44	69.81	57.16	51.26	30- 40	102.8	600.5	93.2,64
50	15.70	15.59	15.83	16.34	16.97	17.06	16.73	16.26	40- 50	22.53	623.1	96.7,66.4
60	8.460	8.301	8.445	8.939	9.470	9.549	9.264	8.834	50- 60	11.31	634.4	98.4,67.6
70	4.233	4.154	4.185	4.392	4.595	4.654	4.564	4.402	60- 70	6.337	640.7	99.4,68.3
80	1.494	1.446	1.481	1.628	1.745	1.770	1.711	1.592	70- 80	3.055	643.8	99.9,68.6
90	0	0	0	0	0	0.0002	0	0	80- 90	0.7154	644.5	100,68.7
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		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jiedong Peng
Test Date:2024-02-24

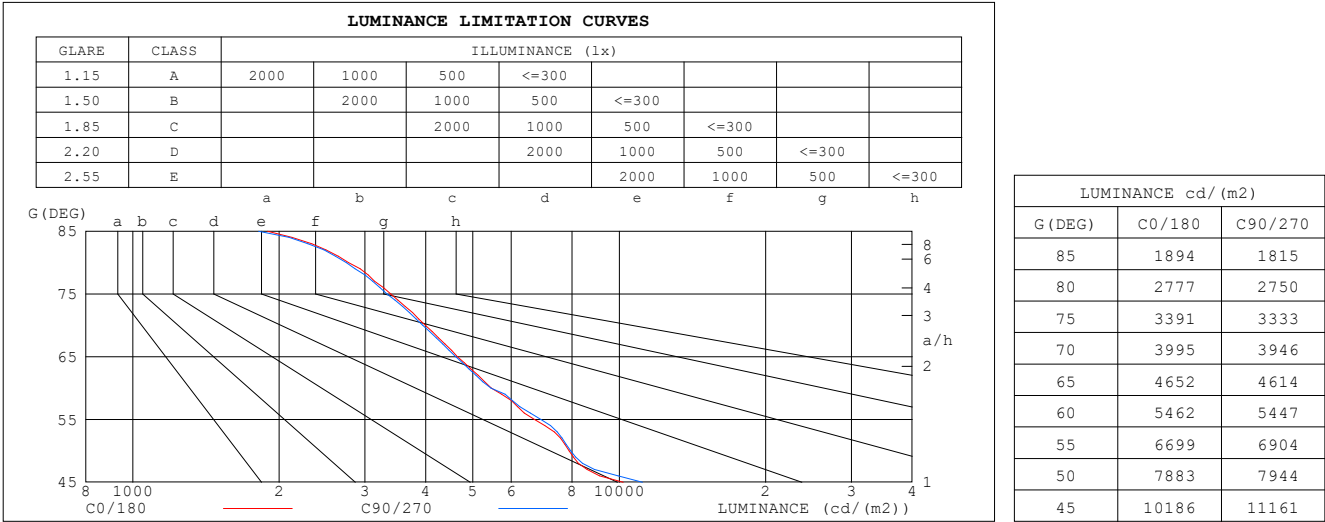
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:9.587m [K=1.0000]
Remarks:



/EMPOTRABLE TIRSIO 6W (06.60.001_._)

LUMINANCE LIMITATION CURVES

Test:U:230.65V I:0.0333A P:6.3412W PF:0.8245 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% Lamp Flux:938.436x1 lm		
Name:	ERP:	Describe: (Textured glass)
Lamp: BRIDGELUX BXRE-30G10FD-B-83 150mA	DIM.: 86*86*78 (mm)	SERIAL No: 01314524030404A
Ballast Type: OSRAM IT FIT 20/220-240/500 CS I (150mA)	Length: 63 (mm)	DC: 32.65V,0.148A,4.832W



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jiedong Peng
Test Date:2024-02-24

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:9.587m [K=1.0000]
Remarks:

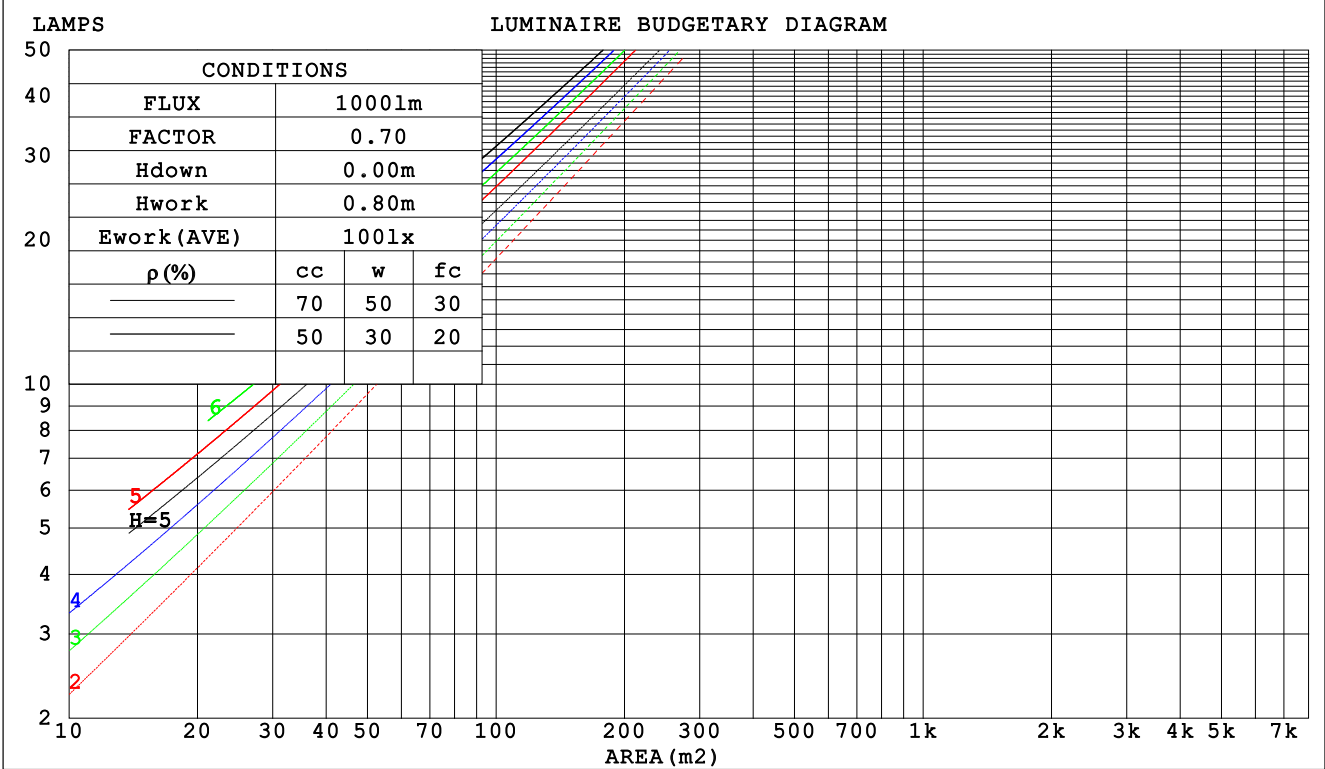


/EMPOTRABLE TIRSIO 6W (06.60.001_._)

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.65V I:0.0333A P:6.3412W PF:0.8245 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% Lamp Flux:938.436x1 lm		
Name:	ERP:	Describe: (Textured glass)
Lamp: BRIDGELUX BXRE-30G10FD-B-83 150mA	DIM.: 86*86*78 (mm)	SERIAL No: 01314524030404A
Ballast Type: OSRAM IT FIT 20/220-240/500 CS I (150mA)	OD: 63 (mm)	DC: 32.65V,0.148A,4.832W

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						Coefficients of Utilization(CU)									
0.0	.82	.82	.82	.80	.80	.80	.76	.76	.76	.73	.73	.73	.70	.70	.70	.69
1.0	.76	.74	.73	.75	.73	.72	.72	.71	.69	.69	.68	.67	.67	.66	.65	.64
2.0	.71	.68	.66	.70	.67	.65	.68	.65	.64	.65	.64	.62	.64	.62	.61	.60
3.0	.66	.63	.60	.65	.62	.60	.64	.61	.59	.62	.60	.58	.60	.59	.57	.56
4.0	.62	.58	.56	.61	.58	.55	.60	.57	.55	.58	.56	.54	.57	.55	.53	.52
5.0	.58	.54	.52	.58	.54	.51	.56	.53	.51	.55	.53	.50	.54	.52	.50	.49
6.0	.55	.51	.48	.54	.51	.48	.53	.50	.48	.52	.50	.47	.52	.49	.47	.46
7.0	.52	.48	.45	.51	.48	.45	.51	.47	.45	.50	.47	.44	.49	.46	.44	.43
8.0	.49	.45	.42	.49	.45	.42	.48	.45	.42	.47	.44	.42	.47	.44	.42	.41
9.0	.46	.43	.40	.46	.42	.40	.46	.42	.40	.45	.42	.40	.44	.42	.39	.39
10.0	.44	.40	.38	.44	.40	.38	.43	.40	.38	.43	.40	.37	.42	.39	.37	.36



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jiedong Peng
Test Date:2024-02-24

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:9.587m [K=1.0000]
Remarks:



/EMPOTRABLE TIRSIO 6W (06.60.001_._)

WEC AND CCEC

Test:U:230.65V I:0.0333A P:6.3412W PF:0.8245 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00%		
Lamp Flux:938.436x1 lm		
Name:	ERP:	Describe: (Textured glass)
Lamp: BRIDGELUX BXRE-30G10FD-B-83 150mA	DIM.: 86*86*78 (mm)	SERIAL No: 01314524030404A
Ballast Type: OSRAM IT FIT 20/220-240/500 CS I (150mA)	Length: 63 (mm)	DC: 32.65V,0.148A,4.832W

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	.122	.069	.022	.117	.067	.021	.109	.062	.020	.101	.058	.019	.093	.054	.017	
2.0	.116	.064	.020	.112	.062	.019	.105	.058	.018	.098	.055	.017	.092	.052	.016	
3.0	.110	.059	.018	.107	.057	.017	.101	.054	.017	.095	.052	.016	.090	.050	.015	
4.0	.104	.054	.016	.102	.053	.016	.096	.051	.015	.091	.049	.015	.087	.047	.014	
5.0	.099	.051	.015	.097	.050	.014	.092	.048	.014	.088	.046	.014	.084	.045	.013	
6.0	.095	.047	.014	.092	.047	.013	.088	.045	.013	.085	.044	.013	.081	.043	.013	
7.0	.090	.045	.013	.088	.044	.013	.085	.043	.012	.081	.042	.012	.078	.041	.012	
8.0	.086	.042	.012	.085	.042	.012	.081	.041	.012	.078	.040	.011	.076	.039	.011	
9.0	.083	.040	.011	.081	.040	.011	.078	.039	.011	.076	.038	.011	.073	.037	.011	
10.0	.079	.038	.011	.078	.038	.011	.075	.037	.010	.073	.036	.010	.071	.036	.010	

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	.131	.131	.131	.112	.112	.112	.076	.076	.076	.044	.044	.044	.014	.014	.014	
1.0	.118	.108	.099	.101	.093	.086	.069	.064	.059	.040	.037	.034	.013	.012	.011	
2.0	.107	.091	.078	.092	.078	.067	.063	.054	.047	.036	.032	.027	.012	.010	.009	
3.0	.098	.078	.062	.084	.067	.053	.058	.047	.038	.033	.027	.022	.011	.009	.007	
4.0	.091	.068	.050	.078	.059	.043	.054	.041	.031	.031	.024	.018	.010	.008	.006	
5.0	.085	.060	.041	.073	.052	.036	.050	.036	.025	.029	.021	.015	.009	.007	.005	
6.0	.080	.053	.034	.069	.046	.030	.047	.032	.021	.028	.019	.013	.009	.006	.004	
7.0	.076	.048	.029	.065	.042	.025	.045	.029	.018	.026	.017	.011	.008	.006	.004	
8.0	.072	.044	.025	.062	.038	.022	.043	.027	.015	.025	.016	.009	.008	.005	.003	
9.0	.068	.040	.022	.059	.035	.019	.041	.025	.013	.024	.015	.008	.008	.005	.003	
10.0	.065	.037	.019	.056	.032	.017	.039	.023	.012	.023	.013	.007	.007	.004	.002	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jiedong Peng
 Test Date:2024-02-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
 Humidity:65.0%
 Test Distance:9.587m [K=1.0000]
 Remarks:



/EMPOTRABLE TIRSIO 6W (06.60.001_._)

UGR(Unified Glare Rating) Table

Test:U:230.65V I:0.0333A P:6.3412W PF:0.8245 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00%										
Lamp Flux:938.436x1 lm										
Name:					ERP:			Describe: (Textured glass)		
Lamp: BRIDGELUX BXRE-30G10FD-B-83 150mA					DIM.: 86*86*78 (mm)			SERIAL No: 01314524030404A		
Ballast Type: OSRAM IT FIT 20/220-240/500 CS I (150mA)					DIM.: 63 (mm)			DC: 32.65V,0.148A,4.832W		
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	16.6	17.5	16.8	17.7	17.9	17.2	18.1	17.4	18.3	18.5
3H	16.7	17.5	16.9	17.7	17.9	17.3	18.1	17.5	18.3	18.5
4H	16.7	17.5	17.0	17.7	18.0	17.3	18.1	17.5	18.3	18.5
6H	16.7	17.5	17.0	17.7	18.0	17.2	18.0	17.5	18.2	18.5
8H	16.7	17.4	17.0	17.7	17.9	17.2	17.9	17.5	18.2	18.5
12H	16.7	17.4	17.0	17.6	17.9	17.2	17.9	17.5	18.2	18.4
4H 2H	16.5	17.3	16.8	17.5	17.8	17.1	17.9	17.4	18.1	18.3
3H	16.7	17.4	17.0	17.6	17.9	17.2	17.9	17.5	18.2	18.4
4H	16.7	17.4	17.1	17.7	18.0	17.2	17.9	17.6	18.2	18.5
6H	16.8	17.3	17.1	17.7	18.0	17.3	17.8	17.6	18.1	18.5
8H	16.8	17.3	17.2	17.6	18.0	17.2	17.8	17.6	18.1	18.5
12H	16.7	17.2	17.2	17.6	18.0	17.2	17.7	17.6	18.1	18.5
8H 4H	16.7	17.2	17.1	17.5	17.9	17.2	17.7	17.6	18.0	18.4
6H	16.7	17.2	17.2	17.6	18.0	17.2	17.6	17.6	18.0	18.5
8H	16.8	17.1	17.2	17.6	18.0	17.2	17.6	17.7	18.0	18.5
12H	16.7	17.1	17.2	17.5	18.0	17.2	17.5	17.7	18.0	18.4
12H 4H	16.6	17.1	17.0	17.5	17.9	17.1	17.6	17.5	18.0	18.4
6H	16.7	17.1	17.2	17.5	17.9	17.2	17.6	17.6	18.0	18.4
8H	16.7	17.1	17.2	17.5	18.0	17.2	17.5	17.7	18.0	18.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.0 / - 2.3					+ 2.2 / - 2.4				
1.5H	+ 3.7 / - 1.7					+ 4.0 / - 1.9				
2.0H	+ 1.2 / - 0.9					+ 1.6 / - 1.0				

CIE Pub.117, 938.4 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -0.2$)
Area: 0.0031 m²

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jiedong Peng
Test Date:2024-02-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:9.587m [K=1.0000]
Remarks:



UTILIZATION FACTORS TABLE

Test:U:230.65V I:0.0333A P:6.3412W PF:0.8245 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% Lamp Flux:938.436x1 lm		
Name:	ERP:	Describe: (Textured glass)
Lamp: BRIDGELUX BXRE-30G10FD-B-83 150mA	DIM.: 86*86*78 (mm)	SERIAL No: 01314524030404A
Ballast Type: OSRAM IT FIT 20/220-240/500 CS I (150mA)	ERP: 63 (mm)	DC: 32.65V,0.148A,4.832W

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	60	56	53	60	55	53	59	55	53	50
0.80	65	61	58	65	61	58	64	60	58	56
1.00	68	64	62	67	64	61	66	64	61	58
1.25	71	67	65	70	67	65	69	66	64	61
1.50	73	69	67	72	69	67	70	68	66	63
2.00	74	72	69	73	71	69	72	69	68	64
2.50	76	73	71	75	72	70	72	71	69	65
3.00	77	74	72	75	73	72	73	72	70	66
4.00	78	76	75	77	75	74	74	73	72	67
5.00	79	77	76	78	76	75	75	74	73	68
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

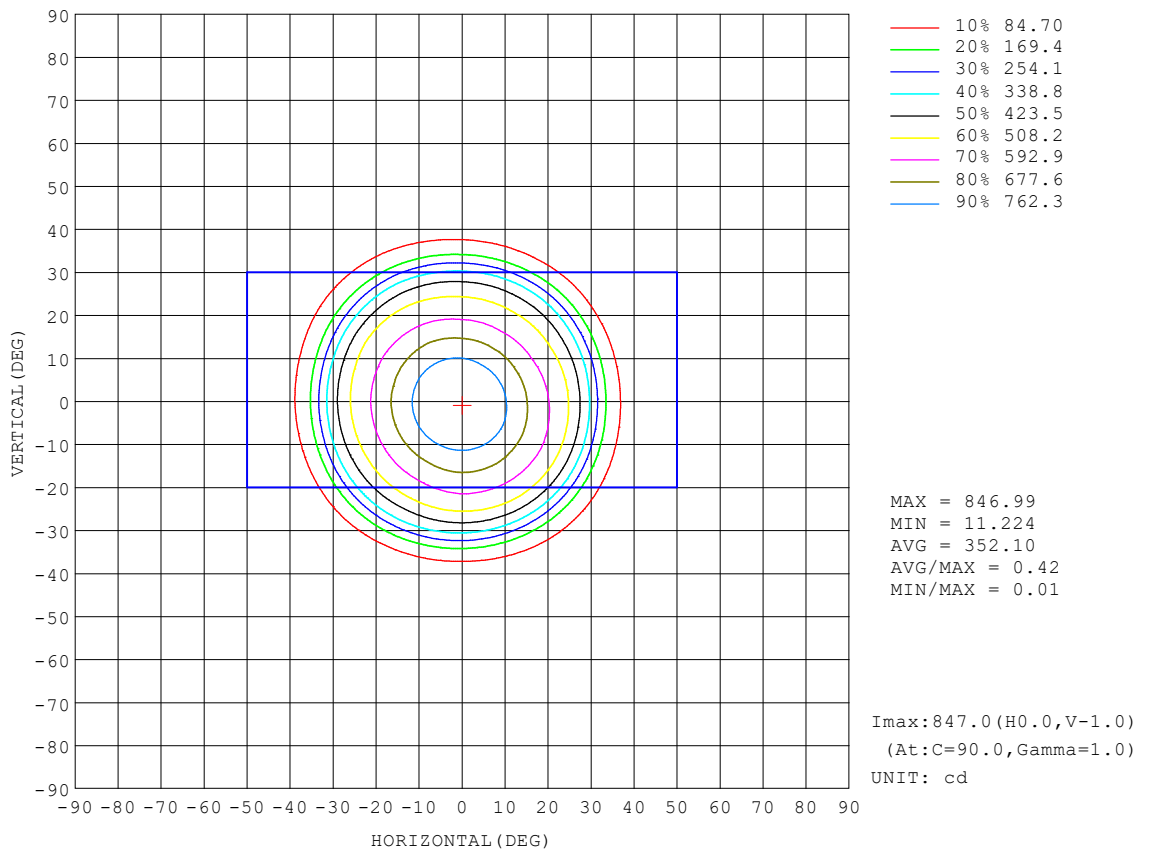
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jiedong Peng
Test Date:2024-02-24

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:9.587m [K=1.0000]
Remarks:



ISOCANDELA DIAGRAM

Test:U:230.65V I:0.0333A P:6.3412W PF:0.8245 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% Lamp Flux:938.436x1 lm		
Name:	ERP:	Describe: (Textured glass)
Lamp: BRIDGELUX BXRE-30G10FD-B-83 150mA	DIM.: 86*86*78 (mm)	SERIAL No: 01314524030404A
Ballast Type: OSRAM IT FIT 20/220-240/500 CS I (150mA)	Length: 63 (mm)	DC: 32.65V,0.148A,4.832W



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jiedong Peng
 Test Date:2024-02-24

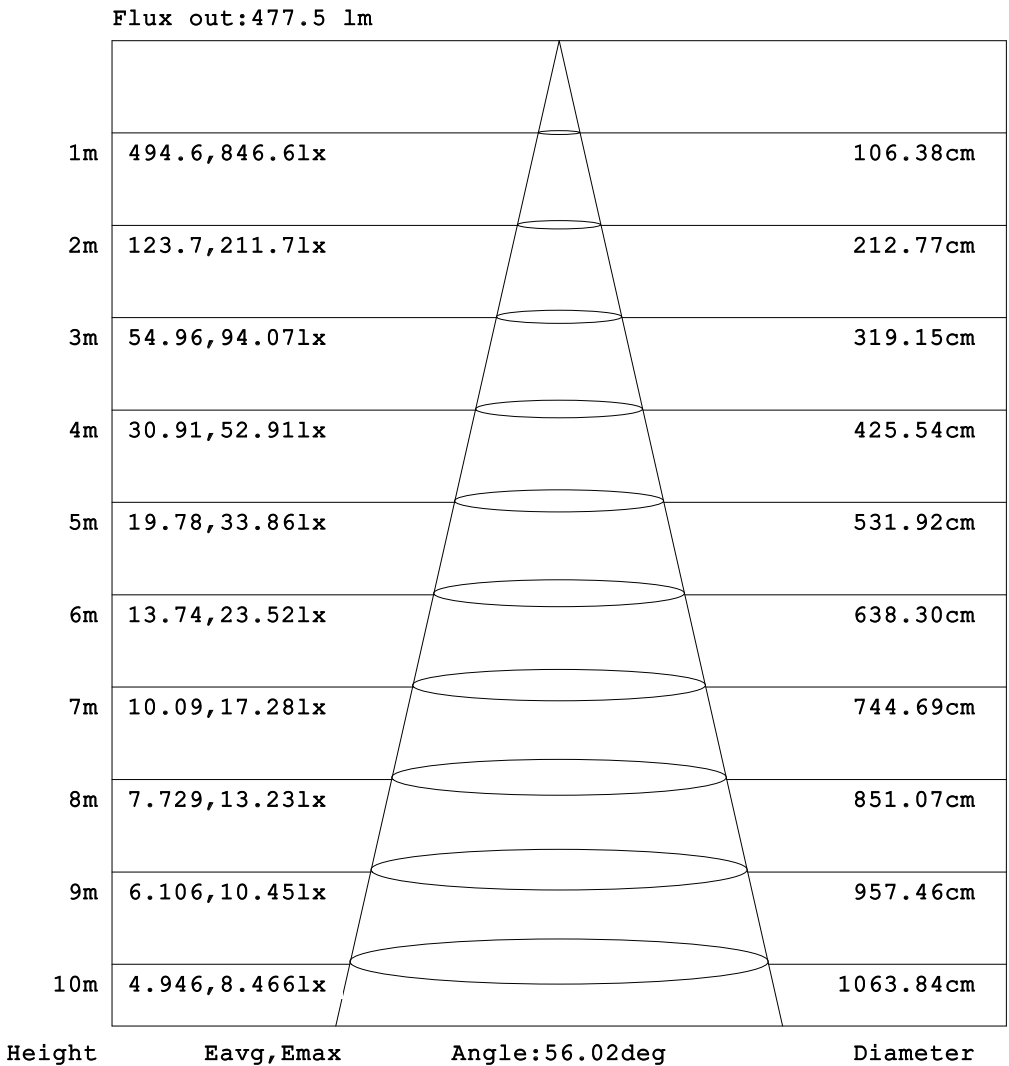
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
 Humidity:65.0%
 Test Distance:9.587m [K=1.0000]
 Remarks:



/EMPOTRABLE TIRSIO 6W (06.60.001_._)

AAI Figure

Test:U:230.65V I:0.0333A P:6.3412W PF:0.8245 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% Lamp Flux:938.436x1 lm		
Name:	ERP:	Describe: (Textured glass)
Lamp: BRIDGELUX BXRE-30G10FD-B-83 150mA	DIM.: 86*86*78 (mm)	SERIAL No: 01314524030404A
Ballast Type: OSRAM IT FIT 20/220-240/500 CS I (150mA)	Beam Angle: 63 (mm)	DC: 32.65V,0.148A,4.832W



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

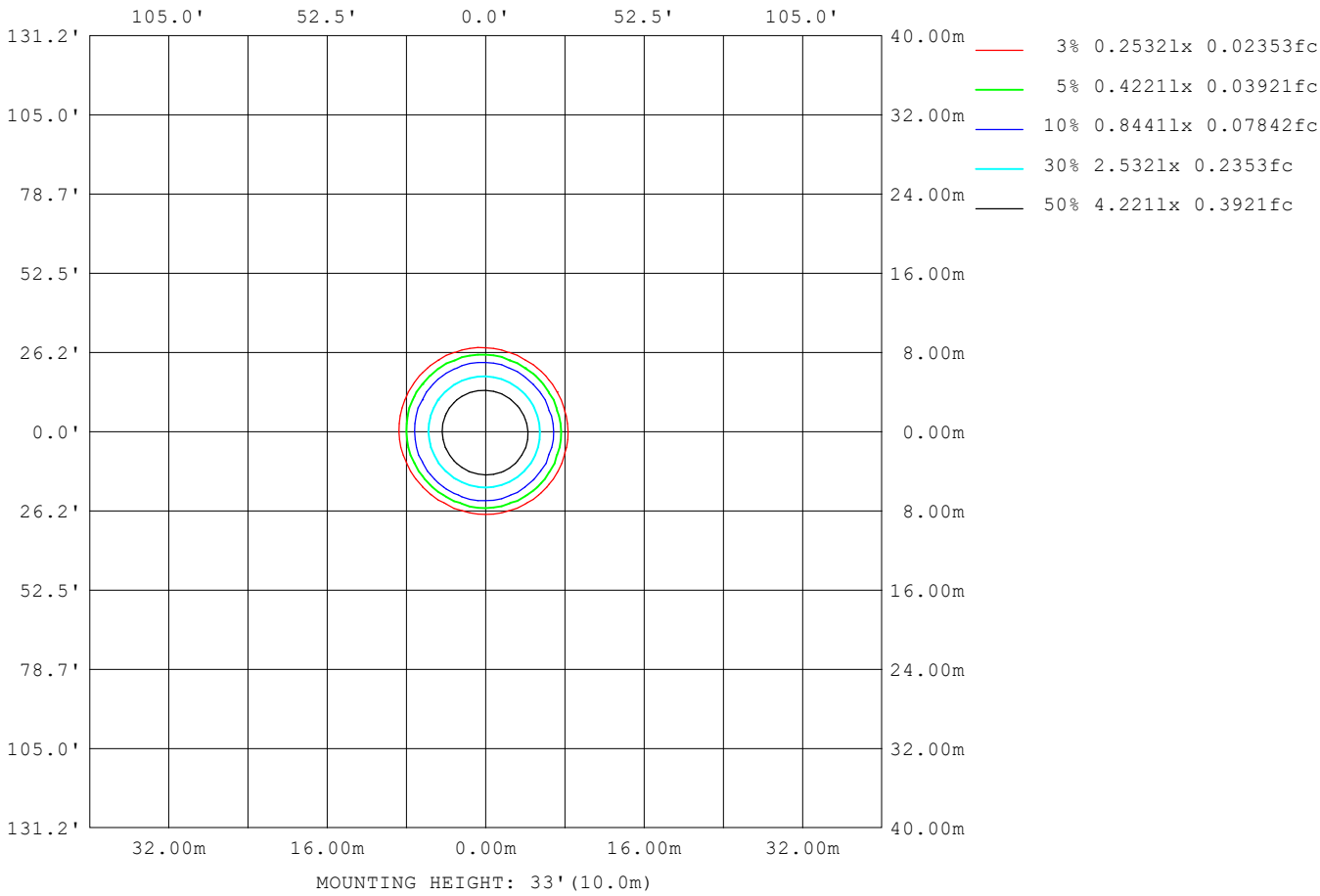
C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 30.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Temperature: 25.3DEG	Humidity: 65.0%
Operators: Jiedong Peng	Test Distance: 9.587m [K=1.0000]
Test Date: 2024-02-24	Remarks:



/EMPOTRABLE TIRSIO 6W (06.60.001_._)

ISOLUX DIAGRAM

Test:U:230.65V I:0.0333A P:6.3412W PF:0.8245 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% Lamp Flux:938.436x1 lm		
Name:	ERP:	Describe: (Textured glass)
Lamp: BRIDGELUX BXRE-30G10FD-B-83 150mA	DIM.: 86*86*78 (mm)	SERIAL No: 01314524030404A
Ballast Type: OSRAM IT FIT 20/220-240/500 CS I (150mA)	Mounting H.: 63 (mm)	DC: 32.65V,0.148A,4.832W



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jiedong Peng
 Test Date:2024-02-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
 Humidity:65.0%
 Test Distance:9.587m [K=1.0000]
 Remarks:



/EMPOTRABLE TIRSIO 6W (06.60.001_._)

LED Avg.L Report

Test:U:230.65V I:0.0333A P:6.3412W PF:0.8245 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% Lamp Flux:938.436x1 lm		
Name:	ERP:	Describe: (Textured glass)
Lamp: BRIDGELUX BXRE-30G10FD-B-83 150mA	DIM.: 86*86*78 (mm)	SERIAL No: 01314524030404A
Ballast Type: OSRAM IT FIT 20/220-240/500 CS I (150mA)	Height: 63 (mm)	DC: 32.65V,0.148A,4.832W

AvgL	cd/m2
L_0~180 (65) av	4828
L_0~180 (75) av	3566
L_0~180 (85) av	2261
L_90~270 (65) av	4802
L_90~270 (75) av	3523
L_90~270 (85) av	2193
L_45 (65) av	4819
L_45 (75) av	3547
L_45 (85) av	2217

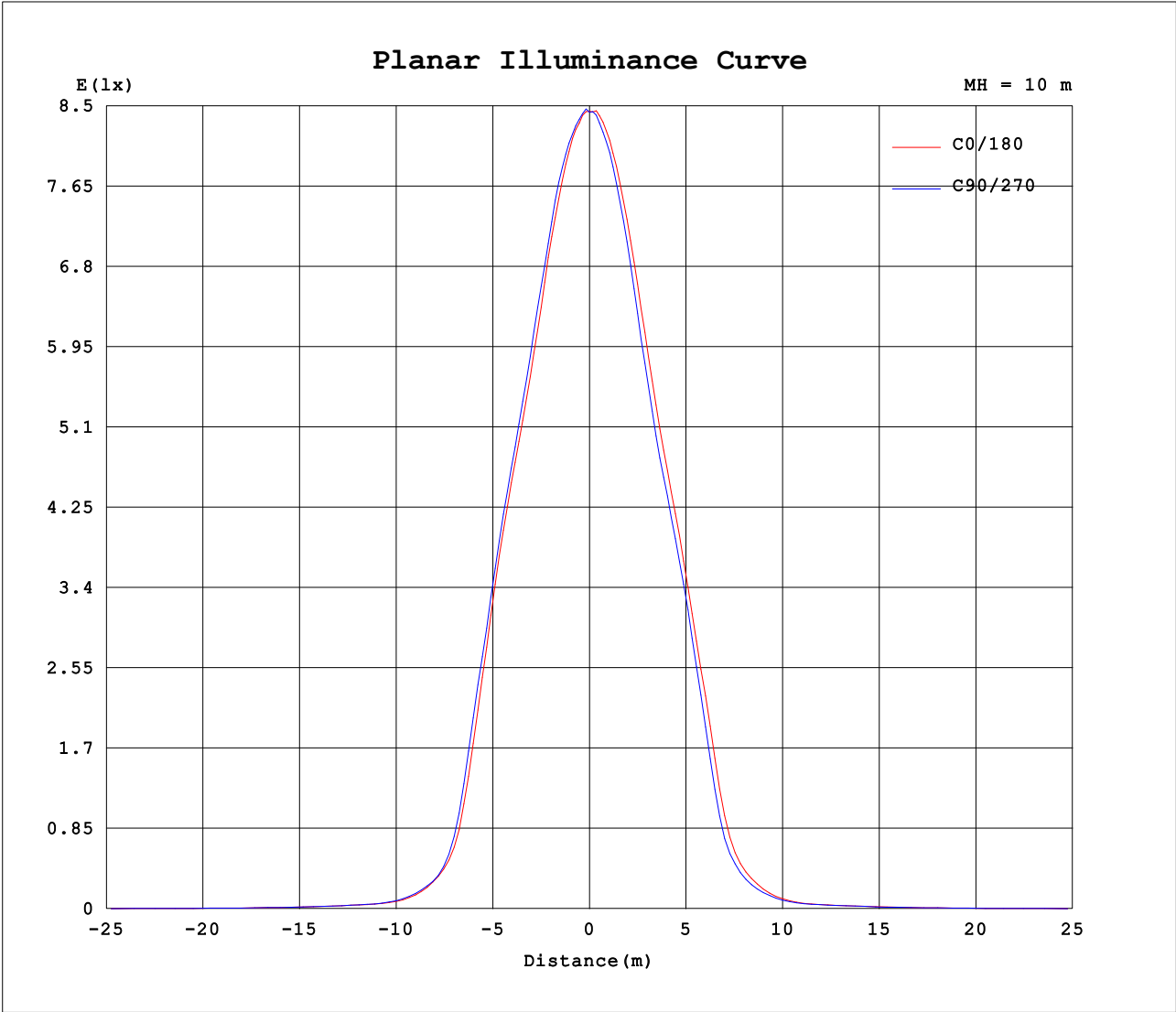
Standard: GB/T 29293-2012

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 30.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Temperature:25.3DEG	Humidity:65.0%
Operators:Jiedong Peng	Test Distance:9.587m [K=1.0000]
Test Date:2024-02-24	Remarks:



/EMPOTRABLE TIRSIO 6W (06.60.001_._)

Planar Illuminance Curve



C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 30.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Temperature:25.3DEG	Humidity:65.0%
Operators:Jiedong Peng	Test Distance:9.587m [K=1.0000]
Test Date:2024-02-24	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.65V I:0.0333A P:6.3412W PF:0.8245 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% Lamp Flux:938.436x1 lm		
Name:	ERP:	Describe: (Textured glass)
Lamp: BRIDGELUX BXRE-30G10FD-B-83 150mA	DIM.: 86*86*78 (mm)	SERIAL No: 01314524030404A
Ballast Type: OSRAM IT FIT 20/220-240/500 CS I (150mA)	OD: 63 (mm)	DC: 32.65V,0.148A,4.832W

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jiedong Peng
Test Date:2024-02-24

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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:9.587m [K=1.0000]
Remarks:

```