

LED Downlight TAKEO Series LE-
T200-25W-830-18



Light Output Ratio:	100.0%	
Luminaire Power:	24.5 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2018-01-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks:

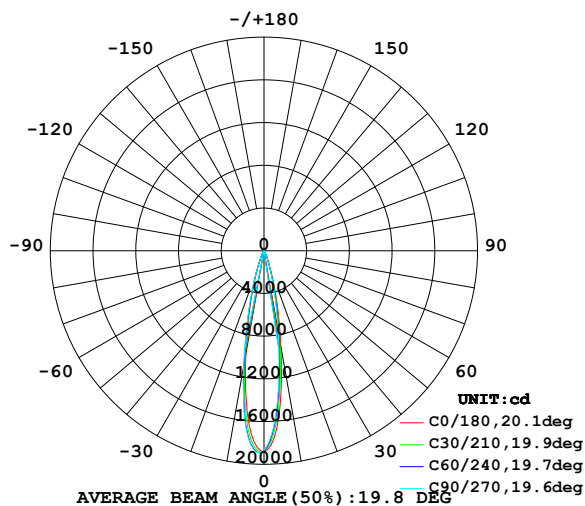
GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

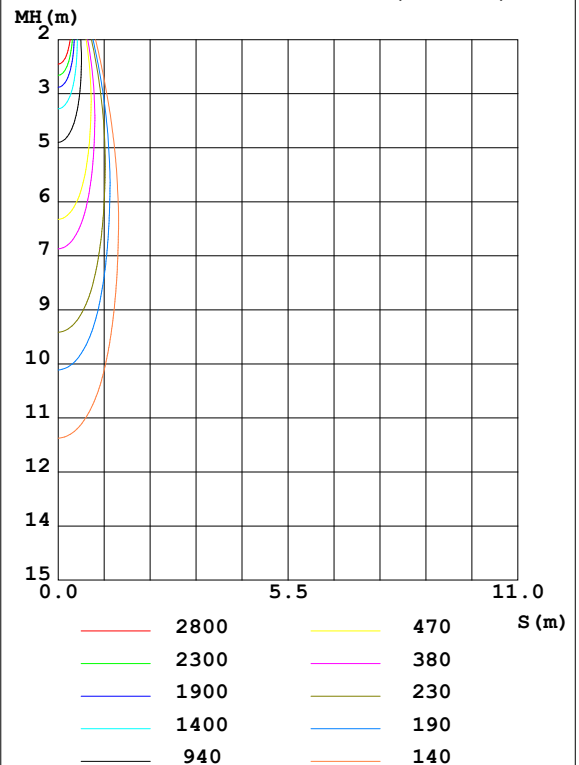
Test:U:35.00V I:0.7000A P:24.50W PF:1.000 Lamp Flux:3099.79x1 lm		
NAME: T200-25W-830-18	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: \varnothing 218mm*H126mm	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.52 lm/W			
MODEL	CITIZEN-3000K	I _{max} (cd)	18959	S/MH (C0/180)	0.35
NOMINAL POWER (W)	25	LOR (%)	100.0	S/MH (C90/270)	0.38
RATED VOLTAGE (V)	36	TOTAL FLUX (lm)	3099.8	η UP,DN (C0-180)	0.0,46.6
NOMINAL FLUX (lm)	3099.79	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,53.4
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	35	η down (%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2018-01-24

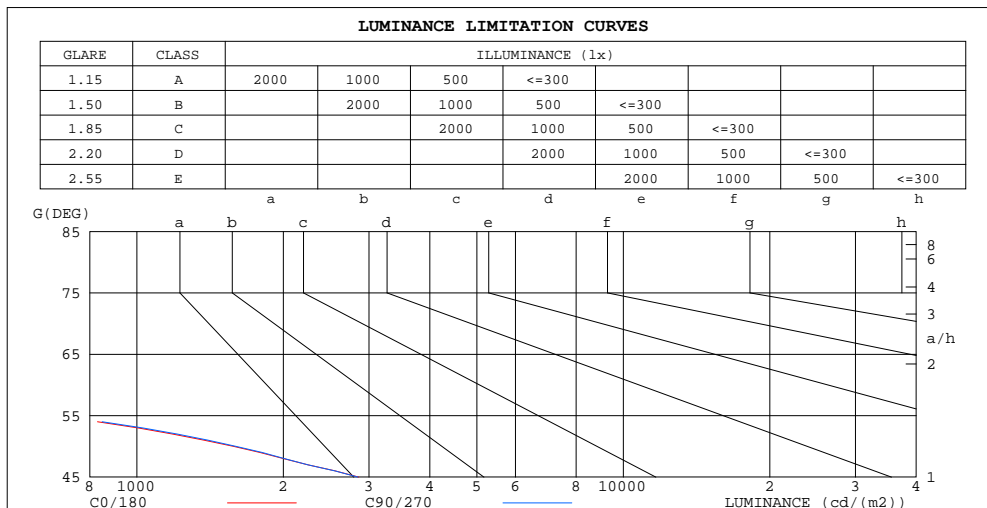
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	912.8	836.1	768.3	890.4	979.9	1041	1097	978.5	0- 10	1302	1302	42,42
20	161.6	152.0	143.9	171.9	190.6	182.8	198.9	174.2	10- 20	1235	2537	81.8,81.8
30	32.75	32.37	31.96	35.46	36.14	33.86	34.43	32.64	20- 30	344.2	2881	93,93
40	13.26	13.61	13.31	14.68	14.05	13.34	13.68	13.20	30- 40	135.7	3017	97.3,97.3
50	3.793	4.029	3.836	4.562	3.930	3.981	4.210	4.030	40- 50	61.58	3079	99.3,99.3
60	0.7543	0.7770	0.7951	0.8395	0.7425	0.7575	0.8444	0.7982	50- 60	16.99	3096	99.9,99.9
70	0.1051	0.1062	0.0746	0.1210	0.1057	0.0989	0.0901	0.1013	60- 70	3.807	3099	100,100
80	0.0149	0.0131	0.0147	0.0129	0.0129	0.0131	0.0120	0.0140	70- 80	0.2839	3100	100,100
90	0.0112	0.0109	0.0107	0.0107	0.0083	0.0081	0.0085	0.0090	80- 90	0.1274	3100	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: $\times 10 \text{cd}$									UNIT: lm		



LUMINANCE $\text{cd}/(\text{m}^2)$		
G(°)	C0/180	C90/270
85	42	38
80	23	23
75	17	18
70	82	58
65	223	220
60	404	426
55	678	703
50	1582	1600
45	2858	2849

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2018-01-24

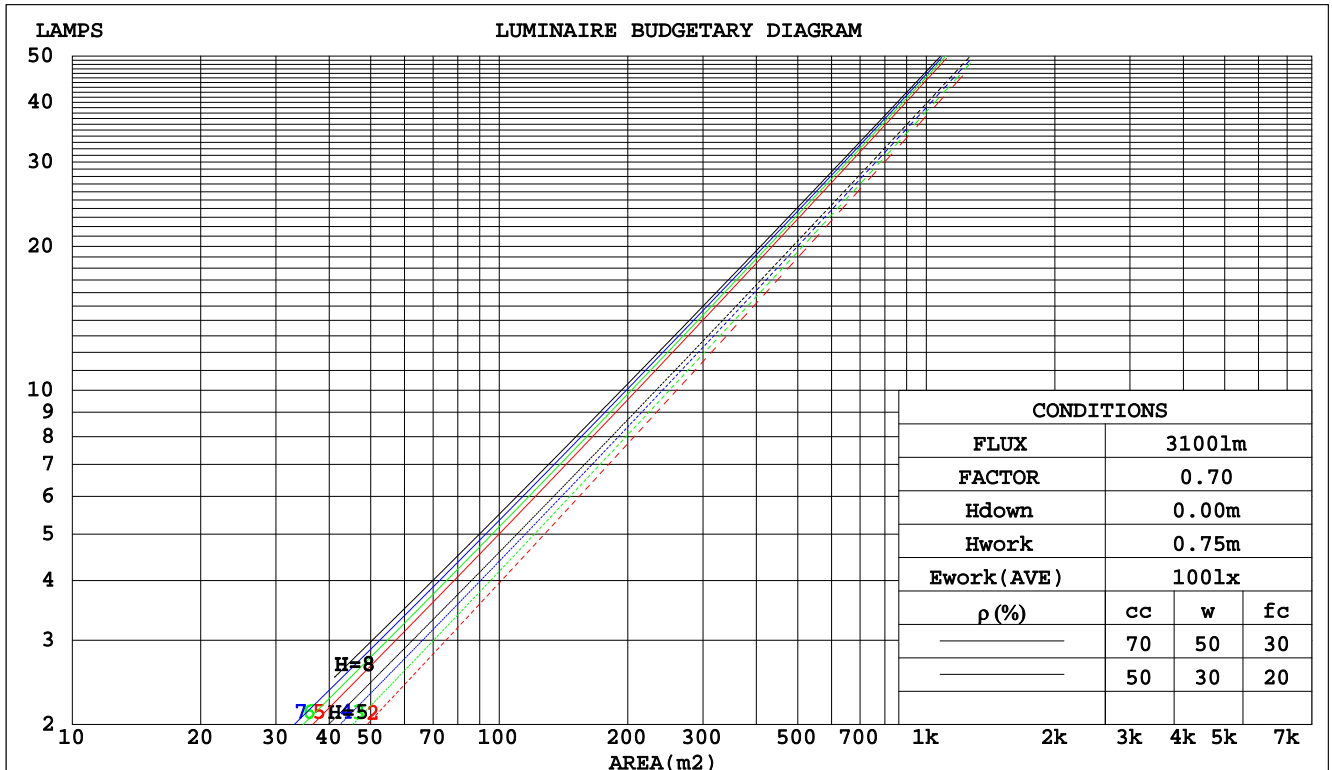
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity: 52%
 Test Distance: 5.850m [K=1.0000]
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:35.00V I:0.7000A P:24.50W PF:1.000 Lamp Flux:3099.79x1 lm		
NAME: T200-25W-830-18	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\varnothing 218\text{mm} \times \text{H}126\text{mm}$	
MFR.:		

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						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	.00
1.0	1.13	1.11	1.10	1.11	1.09	1.08	1.07	1.06	1.05	1.03	1.02	1.01	.00	.99	.99	.97
2.0	1.08	1.05	1.03	1.06	1.04	1.01	1.03	1.01	.99	1.00	.99	.97	.98	.96	.95	.94
3.0	1.03	.00	.97	1.02	.99	.96	.00	.97	.95	.97	.95	.94	.95	.94	.92	.91
4.0	.00	.96	.93	.99	.95	.92	.97	.94	.91	.95	.92	.90	.93	.91	.89	.88
5.0	.96	.92	.89	.95	.92	.89	.94	.91	.88	.92	.90	.87	.91	.89	.87	.86
6.0	.93	.89	.86	.92	.89	.86	.91	.88	.85	.90	.87	.85	.89	.86	.84	.83
7.0	.90	.86	.83	.90	.86	.83	.89	.85	.83	.88	.85	.82	.87	.84	.82	.81
8.0	.88	.84	.81	.87	.84	.81	.86	.83	.81	.86	.83	.80	.85	.82	.80	.79
9.0	.85	.82	.79	.85	.81	.79	.84	.81	.79	.84	.81	.78	.83	.80	.78	.77
10.0	.83	.79	.77	.83	.79	.77	.82	.79	.77	.82	.79	.77	.81	.78	.76	.75



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2018-01-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity: 52%
 Test Distance: 5.850m [K=1.0000]
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:35.00V I:0.7000A P:24.50W PF:1.000 Lamp Flux:3099.79x1 lm		
NAME: T200-25W-830-18	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: \varnothing 218mm*H126mm	
MFR.:		

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	.134	.076	.024	.127	.072	.023	.115	.066	.021	.103	.060	.019	.093	.054	.017		
2.0	.124	.068	.021	.118	.065	.020	.108	.060	.019	.099	.055	.017	.090	.051	.016		
3.0	.115	.061	.018	.111	.059	.018	.102	.055	.017	.094	.052	.016	.087	.048	.015		
4.0	.108	.056	.016	.104	.054	.016	.097	.051	.015	.090	.048	.015	.084	.046	.014		
5.0	.101	.052	.015	.098	.050	.015	.092	.048	.014	.086	.046	.014	.081	.043	.013		
6.0	.096	.048	.014	.093	.047	.014	.088	.045	.013	.083	.043	.013	.078	.041	.012		
7.0	.091	.045	.013	.088	.044	.013	.084	.042	.012	.080	.041	.012	.076	.039	.012		
8.0	.086	.042	.012	.084	.041	.012	.080	.040	.011	.076	.039	.011	.073	.037	.011		
9.0	.082	.040	.011	.080	.039	.011	.077	.038	.011	.074	.037	.011	.071	.036	.010		
10.0	.079	.038	.010	.077	.037	.010	.074	.036	.010	.071	.035	.010	.068	.034	.010		

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	.168	.158	.148	.144	.135	.128	.098	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.150	.133	.118	.128	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.135	.113	.096	.115	.098	.083	.079	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.122	.098	.079	.105	.085	.069	.072	.059	.049	.042	.035	.029	.013	.011	.009	
5.0	.111	.085	.066	.096	.074	.058	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.102	.075	.056	.088	.065	.049	.061	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.095	.067	.048	.081	.058	.042	.056	.041	.030	.033	.024	.018	.011	.008	.006	
8.0	.088	.060	.041	.076	.052	.036	.052	.037	.026	.030	.022	.015	.010	.007	.005	
9.0	.082	.055	.036	.071	.047	.031	.049	.033	.022	.029	.020	.013	.009	.006	.004	
10.0	.077	.050	.032	.067	.043	.028	.046	.030	.020	.027	.018	.012	.009	.006	.004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2018-01-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:52%
 Test Distance:5.850m [K=1.0000]
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR(Unified Glare Rating) Table

Test:U:35.00V I:0.7000A P:24.50W PF:1.000 Lamp Flux:3099.79x1 lm										
NAME: T200-25W-830-18					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: φ218mm*H126mm					
MFR.:										
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	6.1	6.8	6.3	6.9	7.1	6.1	6.7	6.3	6.9	7.0
3H	6.0	6.6	6.2	6.8	7.0	6.0	6.5	6.2	6.7	6.9
4H	5.9	6.5	6.2	6.7	6.9	5.9	6.4	6.1	6.6	6.9
6H	5.8	6.4	6.1	6.6	6.8	5.8	6.3	6.1	6.6	6.8
8H	5.8	6.3	6.1	6.5	6.8	5.8	6.3	6.0	6.5	6.8
12H	5.7	6.2	6.0	6.5	6.8	5.7	6.2	6.0	6.5	6.7
4H 2H	5.9	6.5	6.2	6.7	6.9	5.9	6.5	6.2	6.7	6.9
3H	5.8	6.3	6.1	6.5	6.8	5.8	6.2	6.1	6.5	6.8
4H	5.7	6.1	6.0	6.4	6.7	5.7	6.1	6.0	6.4	6.7
6H	5.6	6.0	6.0	6.3	6.7	5.6	6.0	5.9	6.3	6.6
8H	5.5	5.9	5.9	6.3	6.6	5.5	5.9	5.9	6.2	6.6
12H	5.5	5.8	5.9	6.2	6.6	5.4	5.8	5.8	6.2	6.5
8H 4H	5.5	5.9	5.9	6.3	6.6	5.5	5.9	5.9	6.2	6.6
6H	5.4	5.7	5.8	6.1	6.5	5.4	5.7	5.8	6.1	6.5
8H	5.4	5.6	5.8	6.1	6.5	5.3	5.6	5.8	6.0	6.5
12H	5.3	5.5	5.8	6.0	6.4	5.3	5.5	5.7	5.9	6.4
12H 4H	5.5	5.8	5.9	6.2	6.6	5.4	5.8	5.8	6.2	6.5
6H	5.4	5.6	5.8	6.1	6.5	5.3	5.6	5.8	6.0	6.5
8H	5.3	5.5	5.8	6.0	6.4	5.3	5.5	5.7	5.9	6.4
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / - 9.1					+ 2.5 / - 8.9				
1.5H	+ 3.8 / - 7.3					+ 3.7 / - 7.2				
2.0H	+ 5.6 / - 8.1					+ 5.6 / - 8.2				

CIE Pub.117 Corrected 3100 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.9)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2018-01-24

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Test:U:35.00V I:0.7000A P:24.50W PF:1.000 Lamp Flux:3099.79x1 lm		
NAME: T200-25W-830-18	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\varnothing 218\text{mm} \times H126\text{mm}$	
MFR.:		

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) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	80	89	84	80	89	83	80	77
0.80	97	92	88	96	91	88	95	91	88	84
1.00	101	96	93	100	95	92	99	95	92	88
1.25	105	100	97	104	99	96	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	109	106	103	108	105	102	105	103	100	95
2.50	111	108	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	113	112	113	112	110	109	108	107	100
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:25.3DEG
 Operators:Meng Yongjian
 Test Date:2018-01-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:52%
 Test Distance:5.850m [K=1.0000]
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Test:U:35.00V I:0.7000A P:24.50W PF:1.000 Lamp Flux:3099.79x1 lm		
NAME: T200-25W-830-18	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 218mm*H126mm	
MFR.:		

Conical surface Flux(90deg):

3055.8 lm

%lum = 98.6%

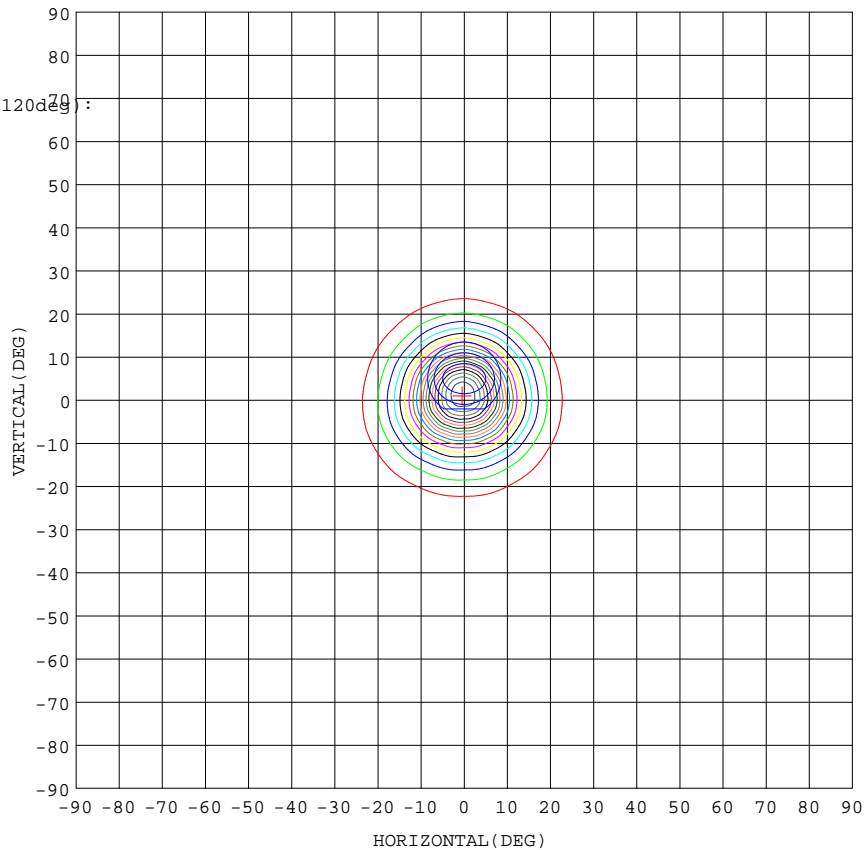
%lamp = 98.6%

Conical surface Flux(120deg):

3095.6 lm

%lum = 99.9%

%lamp = 99.9%



5%	946.9
10%	1894
15%	2841
20%	3788
25%	4735
30%	5681
35%	6628
40%	7575
45%	8522
50%	9469
55%	10416
60%	11363
65%	12310
70%	13257
75%	14204
80%	15151
85%	16097
90%	17044
95%	17991

1. AVG=16231,MIN=12881
2. AVG=15014,MIN=9511
3. AVG=13675,MIN=6611

Imax:18938(H=0.5,V1.0)
(At:C=255.0,Gamma=1.0)

UNIT: cd

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2018-01-24

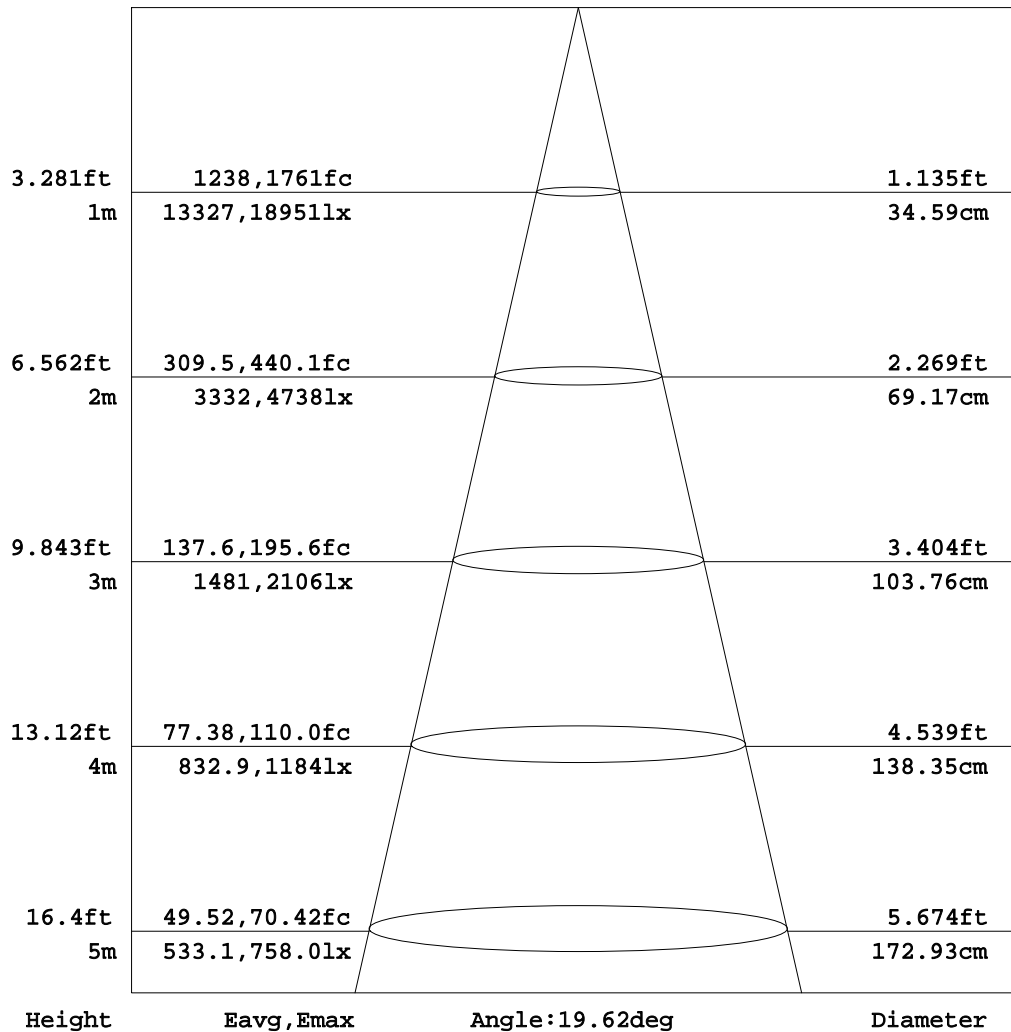
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:35.00V I:0.7000A P:24.50W PF:1.000 Lamp Flux:3099.79x1 lm		
NAME: T200-25W-830-18	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\varnothing 218\text{mm} \times \text{H}126\text{mm}$	
MFR.:		

Flux out:1302 lm



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

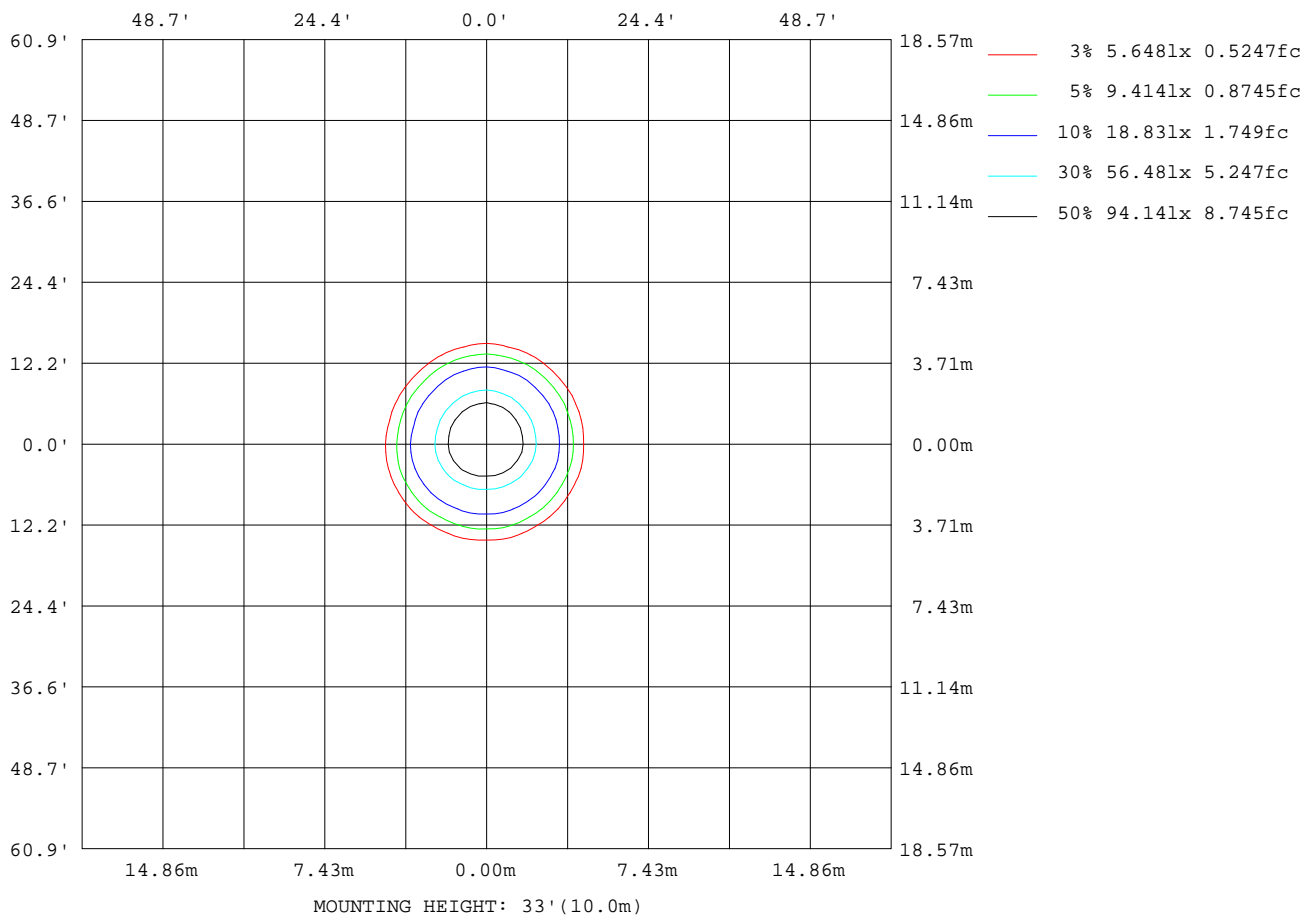
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2018-01-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

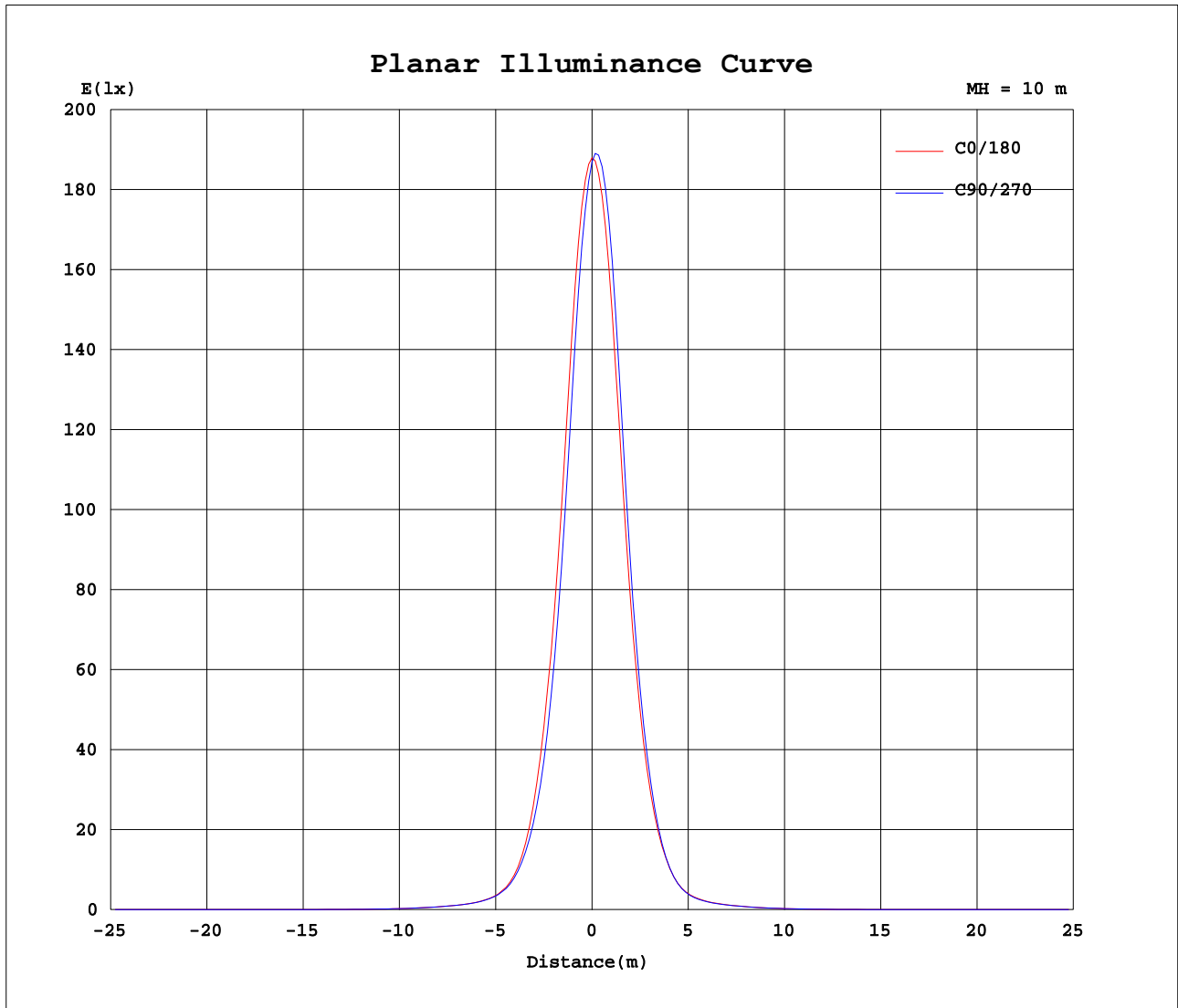
Test:U:35.00V I:0.7000A P:24.50W PF:1.000 Lamp Flux:3099.79x1 lm		
NAME: T200-25W-830-18	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 218mm*H126mm	
MFR.:		



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2018-01-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2018-01-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:35.00V I:0.7000A P:24.50W PF:1.000 Lamp Flux:3099.79x1 lm		
NAME: T200-25W-830-18	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ218mm*H126mm	
MFR.:		

Table-1

UNIT: $\times 10 \text{cd}$ [illegible]

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2018-01-24

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

```

UNIT: $\times 10 \text{cd}$

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

```

GONIOPHOTOMETERS SYSTEM TEST REPORT

Photometric Data Table [cd]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	18795	18818	18799	18804	18761	18755	18690	18725	18709	18753
3.0	17651	17515	17236	17100	16848	16756	16645	16852	16991	17365
6.0	14534	14330	13856	13624	13217	13079	12933	13285	13561	14213
9.0	10418	10272	9776	9605	9138	9051	8866	9252	9472	10189
12.0	6857	6740	6340	6226	5929	5798	5707	5948	6187	6694
15.0	4250	4170	3905	3813	3585	3546	3455	3646	3771	4164
18.0	2422	2392	2239	2191	2092	2110	2061	2166	2227	2483
21.0	1320	1312	1240	1234	1192	1221	1195	1252	1282	1450
24.0	742.1	742.6	710.8	713.5	690.7	710.6	698.9	730.7	747.3	819.0
27.0	466.8	467.5	454.5	457.3	446.0	453.1	449.7	467.2	476.7	511.8
30.0	327.5	329.1	322.3	323.7	317.0	320.9	319.6	331.0	336.6	354.6
33.0	242.5	242.8	239.6	241.2	237.6	239.7	239.6	248.3	253.7	263.8
36.0	190.2	191.0	188.3	190.1	186.6	188.4	188.0	194.6	199.9	206.8
39.0	146.2	148.2	147.0	149.4	145.9	147.1	146.1	151.9	156.5	161.5
42.0	107.3	108.5	108.4	110.3	107.8	108.6	108.3	112.2	116.6	119.9
45.0	75.39	76.51	76.29	78.15	75.60	76.23	75.16	78.58	82.42	85.17
48.0	49.93	50.51	50.65	52.15	50.05	50.53	50.16	52.23	55.77	57.48
51.0	32.25	32.95	33.33	34.69	32.78	33.06	32.86	34.74	38.45	39.90
54.0	18.20	19.09	19.44	20.54	18.83	18.21	18.60	19.57	23.83	25.60
57.0	11.15	11.29	11.22	11.46	11.45	11.78	11.76	12.19	12.21	12.27
60.0	7.543	7.650	7.600	7.770	7.736	7.967	7.951	8.305	8.334	8.395
63.0	4.890	4.993	4.934	5.037	4.939	5.097	5.051	5.329	5.379	5.484
66.0	2.921	2.987	2.948	2.976	2.815	2.857	2.791	2.993	3.076	3.268
69.0	1.439	1.510	1.461	1.459	1.253	1.210	1.162	1.262	1.396	1.625
72.0	0.4603	0.4943	0.4757	0.4617	0.2872	0.2073	0.2321	0.2138	0.3161	0.5554
75.0	0.1641	0.2218	0.1597	0.1421	0.1662	0.1443	0.1706	0.1464	0.1706	0.1464
78.0	0.1531	0.1399	0.1552	0.1355	0.1552	0.1364	0.1553	0.1334	0.1553	0.1334
81.0	0.1465	0.1312	0.1443	0.1268	0.1422	0.1224	0.1465	0.1224	0.1421	0.1289
84.0	0.1378	0.1202	0.1378	0.1158	0.1356	0.1115	0.1356	0.1093	0.1291	0.1136
87.0	0.1312	0.1071	0.1269	0.1071	0.1160	0.1050	0.1203	0.1071	0.1138	0.1028
90.0	0.1115	0.1071	0.1093	0.1093	0.1071	0.1071	0.1071	0.1071	0.1071	0.1071
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	18743	18782	18795	18818	18799	18804	18761	18755	18690	18725
3.0	17553	17846	17913	18082	18303	18432	18597	18653	18652	18488
6.0	14559	15046	15160	15397	15846	16045	16382	16452	16493	16134
9.0	10511	11066	11148	11278	11768	11890	12327	12331	12467	12007
12.0	6969	7377	7425	7479	7778	7844	8155	8170	8290	7957
15.0	4358	4636	4651	4629	4825	4837	5061	5074	5160	4910
18.0	2613	2777	2769	2696	2779	2761	2928	2941	2993	2817
21.0	1496	1611	1597	1501	1554	1482	1603	1575	1613	1517
24.0	843.9	884.1	871.9	831.8	830.9	802.8	835.6	838.5	863.8	820.2
27.0	520.5	534.3	525.9	508.3	503.0	486.9	494.2	496.0	505.8	487.2
30.0	358.4	366.3	361.4	349.6	347.1	338.6	342.0	341.4	344.3	334.3
33.0	264.8	268.3	267.1	259.6	257.6	251.7	253.2	253.6	255.2	250.2
36.0	205.2	207.6	206.3	202.1	200.7	196.0	197.8	197.5	199.8	196.7
39.0	157.5	157.8	155.5	151.9	151.9	147.8	148.8	148.5	150.7	148.0
42.0	115.5	114.7	111.9	109.4	109.5	107.1	107.7	108.8	110.5	108.9
45.0	80.56	79.84	78.05	76.29	77.12	75.27	75.92	77.15	78.82	78.02
48.0	52.97	51.96	51.17	50.91	51.95	51.33	51.52	52.69	54.23	53.17
51.0	35.41	34.21	33.55	33.40	34.30	34.34	33.75	34.57	36.03	35.08
54.0	21.21	20.01	19.64	19.79	20.66	20.47	20.24	20.80	21.65	20.78
57.0	11.66	11.38	10.94	10.74	11.01	11.14	11.63	12.02	12.28	12.09
60.0	7.963	7.764	7.425	7.284	7.497	7.575	7.953	8.227	8.444	8.286
63.0	5.201	5.085	4.825	4.725	4.880	4.905	5.157	5.302	5.445	5.348
66.0	3.132	3.068	2.876	2.815	2.898	2.881	2.963	2.986	3.067	3.010
69.0	1.592	1.573	1.434	1.372	1.432	1.372	1.349	1.300	1.327	1.303
72.0	0.5415	0.5422	0.4632	0.4420	0.4566	0.4245	0.3303	0.2518	0.2870	0.2409
75.0	0.1707	0.1443	0.2077	0.1487	0.1289	0.1487	0.1334	0.1553	0.1355	0.1597
78.0	0.1553	0.1377	0.1312	0.1400	0.1137	0.1356	0.1180	0.1443	0.1246	0.1443
81.0	0.1465	0.1311	0.1334	0.1356	0.1089	0.1290	0.1114	0.1377	0.1158	0.1356
84.0	0.1334	0.1202	0.1224	0.1290	0.1049	0.1246	0.1027	0.1268	0.1092	0.1290
87.0	0.1159	0.1071	0.1070	0.1225	0.0831	0.1050	0.0809	0.1050	0.0918	0.1051
90.0	0.1050	0.1050	0.0831	0.0853	0.0809	0.0809	0.0809	0.0853	0.0853	0.0875
G/C	300.0	315.0	330.0	345.0						
0.0	18709	18753	18743	18782						
3.0	18360	18077	17892	17681						
6.0	15906	15306	15018	14617						
9.0	11819	11163	10939	10490						
12.0	7841	7368	7221	6889						
15.0	4859	4551	4470	4236						
18.0	2803	2617	2569	2425						
21.0	1543	1416	1426	1322						

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2018-01-24

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

Photometric Data Table [cd]

24.0	819.9	772.4	771.2	741.3
27.0	489.0	471.8	477.4	465.7
30.0	336.1	326.4	329.2	325.3
33.0	251.6	244.2	244.7	242.6
36.0	197.5	191.9	191.3	188.7
39.0	149.8	145.3	144.7	142.4
42.0	109.9	107.0	105.4	104.0
45.0	78.88	76.50	74.46	72.46
48.0	53.74	52.03	49.65	47.90
51.0	36.82	35.41	32.46	30.61
54.0	23.15	22.10	18.98	17.05
57.0	12.16	11.74	11.24	10.72
60.0	8.357	7.982	7.645	7.243
63.0	5.412	5.155	4.960	4.669
66.0	3.111	3.012	2.915	2.747
69.0	1.403	1.429	1.415	1.304
72.0	0.3325	0.4137	0.4130	0.3873
75.0	0.1333	0.1553	0.1311	0.1531
78.0	0.1202	0.1422	0.1252	0.1465
81.0	0.1137	0.1386	0.1227	0.1421
84.0	0.1093	0.1347	0.1202	0.1378
87.0	0.0918	0.1160	0.1092	0.1335
90.0	0.0875	0.0896	0.0896	0.0940

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2018-01-24

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks: