

LED Downlight TAKEO Series LE-  
T200-25W-830-60

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Light Output Ratio:	100.0%	
Luminaire Power:	24.57 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.95	fine grid method.

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C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2018-01-20

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

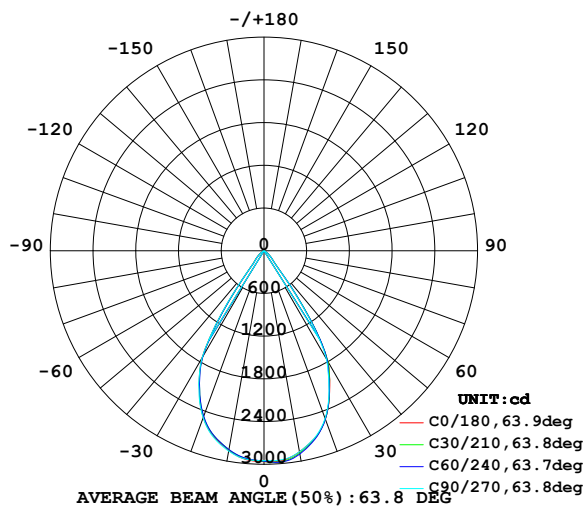
# GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINAIRE PHOTOMETRIC TEST REPORT

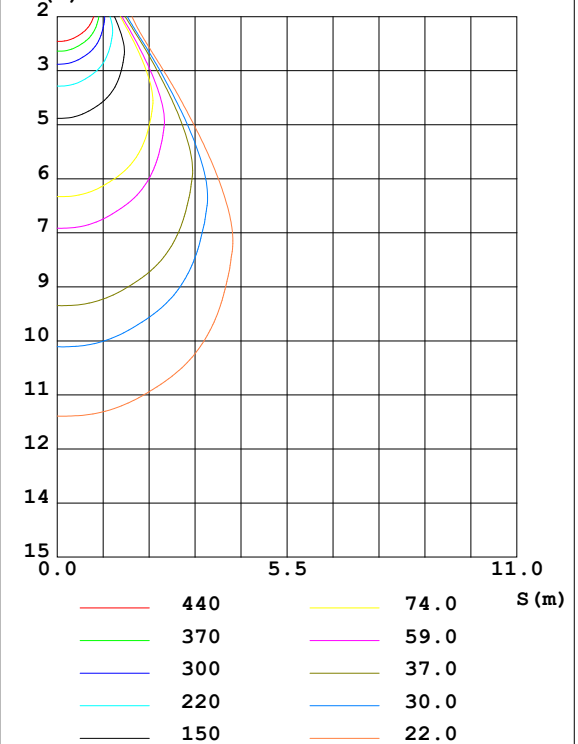
Test:U:35.10V I:0.7000A P:24.57W PF:1.000 Lamp Flux:2781.35x1 lm		
NAME: T200-25W-830-60	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\varnothing$ 218mm*H126mm	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.20 lm/W			
MODEL	CITIZEN-3000K	I <sub>max</sub> (cd)	2978	S/MH (C0/180)	0.92
NOMINAL POWER (W)	25	LOR (%)	100.0	S/MH (C90/270)	0.92
RATED VOLTAGE (V)	36	TOTAL FLUX (lm)	2781.4	$\eta$ UP,DN (C0-180)	0.0, 50.4
NOMINAL FLUX (lm)	2781.35	CIE CLASS	DIRECT	$\eta$ UP,DN (C180-360)	0.0, 49.6
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	35.1	$\eta$ down (%)	100.0	CIBSE SHR MAX	0.95

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: 2018-01-20

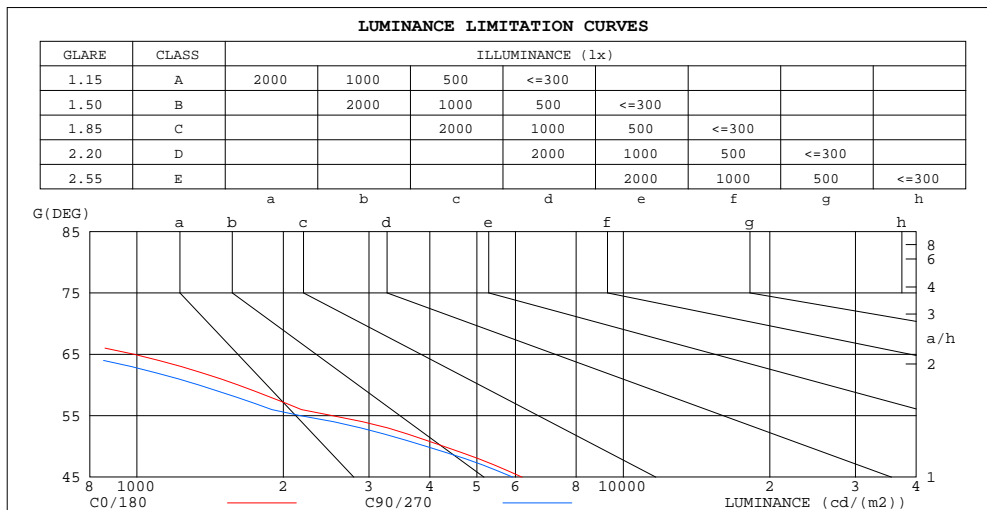
$\gamma$  Range: 0 - 90DEG  
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Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

# GONIOPHOTOMETERS SYSTEM TEST REPORT

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	2868	2897	2867	2833	2848	2832	2857	2870	0- 10	278.2	278.2	10,10
20	2518	2526	2508	2490	2495	2469	2499	2514	10- 20	761.5	1040	37.4,37.4
30	1792	1799	1750	1739	1746	1706	1747	1763	20- 30	986.1	2026	72.8,72.8
40	264.0	277.0	256.5	253.3	253.7	237.1	240.4	247.1	30- 40	569.8	2596	93.3,93.3
50	102.6	98.40	94.36	98.34	102.6	93.37	91.76	93.09	40- 50	123.4	2719	97.8,97.8
60	30.12	27.32	25.00	26.75	29.35	24.72	23.94	26.11	50- 60	47.70	2767	99.5,99.5
70	4.803	4.167	2.363	3.988	4.557	3.450	2.634	3.700	60- 70	13.64	2780	100,100
80	0.2275	0.1836	0.1925	0.1771	0.1814	0.1925	0.1704	0.1925	70- 80	0.7809	2781	100,100
90	0.1771	0.1727	0.1705	0.1727	0.1006	0.1050	0.1028	0.1050	80- 90	0.1730	2781	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		



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	60	53
80	35	30
75	31	26
70	376	185
65	985	736
60	1615	1340
55	2524	2170
50	4278	3935
45	6189	5924

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2018-01-20

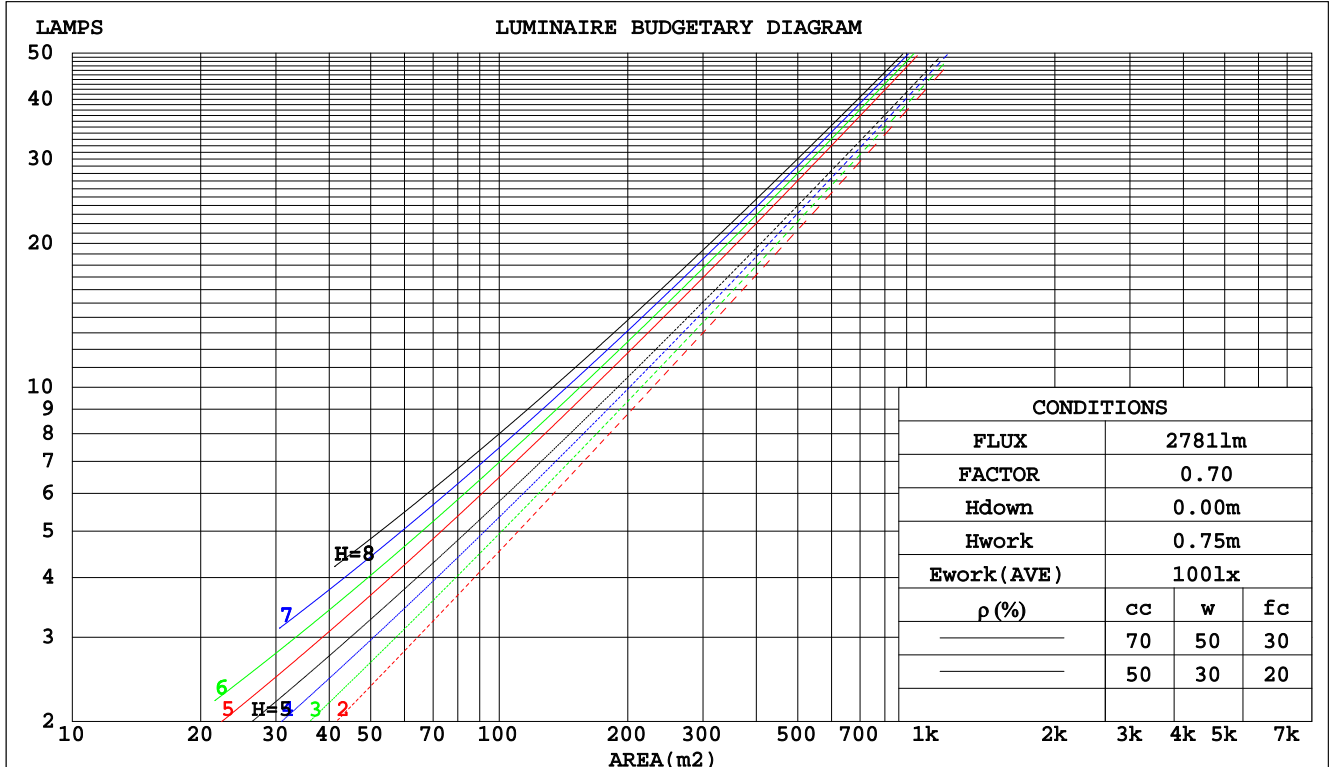
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

# GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:35.10V I:0.7000A P:24.57W PF:1.000 Lamp Flux:2781.35x1 lm		
NAME: T200-25W-830-60	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\varnothing$ 218mm*H126mm	
MFR.:		

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	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	1.11	1.08	1.06	1.09	1.06	1.04	1.05	1.03	1.01	1.01	.99	.98	.97	.96	.95	.94
2.0	1.03	.99	.96	1.01	.98	.95	.98	.95	.93	.95	.93	.91	.92	.90	.89	.87
3.0	.96	.91	.87	.95	.90	.86	.92	.88	.85	.90	.86	.84	.87	.85	.82	.81
4.0	.90	.84	.80	.89	.84	.80	.86	.82	.79	.84	.81	.78	.83	.79	.77	.75
5.0	.84	.78	.74	.83	.78	.74	.81	.77	.73	.80	.76	.72	.78	.75	.72	.70
6.0	.79	.73	.69	.78	.72	.68	.77	.72	.68	.75	.71	.67	.74	.70	.67	.66
7.0	.74	.68	.64	.73	.68	.64	.72	.67	.63	.71	.66	.63	.70	.66	.63	.61
8.0	.70	.64	.60	.69	.64	.60	.68	.63	.59	.67	.62	.59	.66	.62	.59	.57
9.0	.66	.60	.56	.65	.60	.56	.64	.59	.56	.64	.59	.56	.63	.58	.55	.54
10.0	.62	.57	.53	.62	.56	.53	.61	.56	.52	.60	.56	.52	.60	.55	.52	.51



C Range: 0 - 360DEG  
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 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
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## WEC AND CCEC

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MFR.:		

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.178	.101	.032	.171	.097	.031	.158	.091	.029	.147	.085	.027	.136	.079	.025	
2.0	.171	.093	.029	.165	.091	.028	.154	.086	.027	.145	.081	.025	.135	.077	.024	
3.0	.163	.087	.026	.158	.085	.025	.149	.081	.025	.141	.077	.024	.133	.074	.023	
4.0	.155	.081	.024	.151	.079	.023	.143	.076	.023	.136	.073	.022	.129	.070	.021	
5.0	.148	.076	.022	.145	.074	.022	.138	.072	.021	.131	.069	.021	.125	.067	.020	
6.0	.142	.071	.020	.138	.070	.020	.132	.068	.020	.127	.066	.019	.122	.064	.019	
7.0	.135	.067	.019	.133	.066	.019	.127	.064	.019	.122	.063	.018	.118	.061	.018	
8.0	.130	.063	.018	.127	.063	.018	.122	.061	.017	.118	.060	.017	.114	.058	.017	
9.0	.124	.060	.017	.122	.060	.017	.118	.058	.017	.114	.057	.016	.110	.056	.016	
10.0	.119	.057	.016	.117	.057	.016	.113	.056	.016	.110	.055	.016	.106	.054	.015	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.132	.113	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.089	.123	.098	.078	.085	.068	.054	.049	.040	.032	.016	.013	.011	
4.0	.134	.099	.072	.115	.085	.063	.079	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.125	.087	.059	.107	.076	.052	.074	.053	.036	.043	.031	.022	.014	.010	.007	
6.0	.118	.078	.050	.101	.068	.043	.070	.047	.031	.041	.028	.018	.013	.009	.006	
7.0	.111	.071	.042	.096	.061	.036	.066	.043	.026	.038	.025	.015	.012	.008	.005	
8.0	.106	.064	.036	.091	.056	.031	.063	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.101	.059	.031	.087	.051	.027	.060	.036	.019	.035	.021	.011	.011	.007	.004	
10.0	.096	.055	.027	.083	.048	.024	.058	.034	.017	.034	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2018-01-20

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:35.10V I:0.7000A P:24.57W PF:1.000 Lamp Flux:2781.35x1 lm										
NAME: T200-25W-830-60					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: $\phi$ 218mm*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	16.0	17.0	16.2	17.1	17.3	15.9	16.9	16.1	17.0	17.2
3H	15.8	16.7	16.1	16.9	17.1	15.7	16.6	16.0	16.8	17.0
4H	15.8	16.6	16.0	16.8	17.0	15.6	16.5	15.9	16.7	16.9
6H	15.7	16.4	16.0	16.7	16.9	15.6	16.3	15.9	16.6	16.8
8H	15.6	16.4	15.9	16.6	16.9	15.5	16.3	15.8	16.5	16.8
12H	15.6	16.3	15.9	16.6	16.8	15.5	16.2	15.8	16.4	16.7
4H 2H	15.8	16.6	16.0	16.8	17.0	15.7	16.5	15.9	16.7	16.9
3H	15.6	16.3	15.9	16.6	16.9	15.5	16.2	15.8	16.5	16.8
4H	15.5	16.2	15.9	16.5	16.8	15.4	16.0	15.7	16.3	16.7
6H	15.4	16.0	15.8	16.3	16.7	15.3	15.9	15.7	16.2	16.6
8H	15.4	15.9	15.8	16.2	16.6	15.3	15.8	15.6	16.1	16.5
12H	15.3	15.8	15.7	16.2	16.6	15.2	15.7	15.6	16.1	16.4
8H 4H	15.4	15.9	15.8	16.2	16.6	15.3	15.8	15.6	16.1	16.5
6H	15.3	15.7	15.7	16.1	16.5	15.2	15.6	15.6	16.0	16.4
8H	15.2	15.6	15.7	16.0	16.5	15.1	15.5	15.5	15.9	16.3
12H	15.2	15.5	15.6	15.9	16.4	15.0	15.4	15.5	15.8	16.3
12H 4H	15.3	15.8	15.7	16.2	16.6	15.2	15.7	15.6	16.1	16.4
6H	15.2	15.6	15.7	16.0	16.5	15.1	15.5	15.5	15.9	16.3
8H	15.2	15.5	15.6	15.9	16.4	15.0	15.4	15.5	15.8	16.3
Variations with the observer position at spacings:										
S = 1.0H	+ 4.0 / - 7.0					+ 4.0 / - 7.8				
1.5H	+ 5.6 / - 5.6					+ 5.7 / - 5.9				
2.0H	+ 4.2 / - 5.4					+ 4.4 / - 5.7				

CIE Pub.117 Corrected 2781 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.6)

C Range: 0 - 360DEG  
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Temperature:25.3DEG  
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$\gamma$  Range: 0 - 90DEG  
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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:35.10V I:0.7000A P:24.57W PF:1.000 Lamp Flux:2781.35x1 lm		
NAME: T200-25W-830-60	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) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	77	87	81	77	86	80	77	73
0.80	95	89	85	94	89	85	93	88	85	81
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	95	102	98	94	100	96	94	89
1.50	106	101	98	105	101	98	103	99	96	92
2.00	109	105	101	107	104	101	105	102	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	109	106	110	107	105	107	104	103	96
4.00	114	111	109	112	110	108	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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## ISOCANDELA DIAGRAM

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SPEC.:3000K	DIM.: $\phi$ 218mm*H126mm	
MFR.:		

Conical surface Flux(90deg):

2668.4 lm

%lum = 95.9%

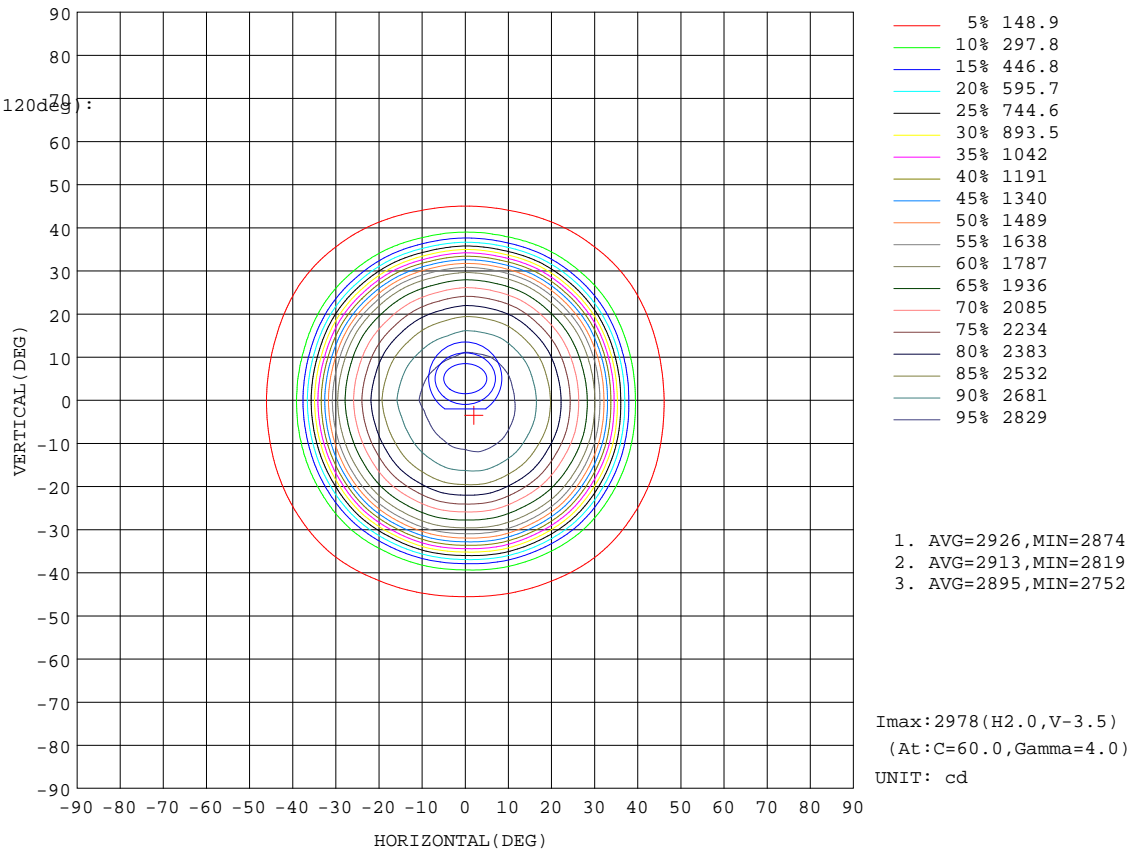
%lamp = 95.9%

Conical surface Flux(120deg):

2766.8 lm

%lum = 99.5%

%lamp = 99.5%



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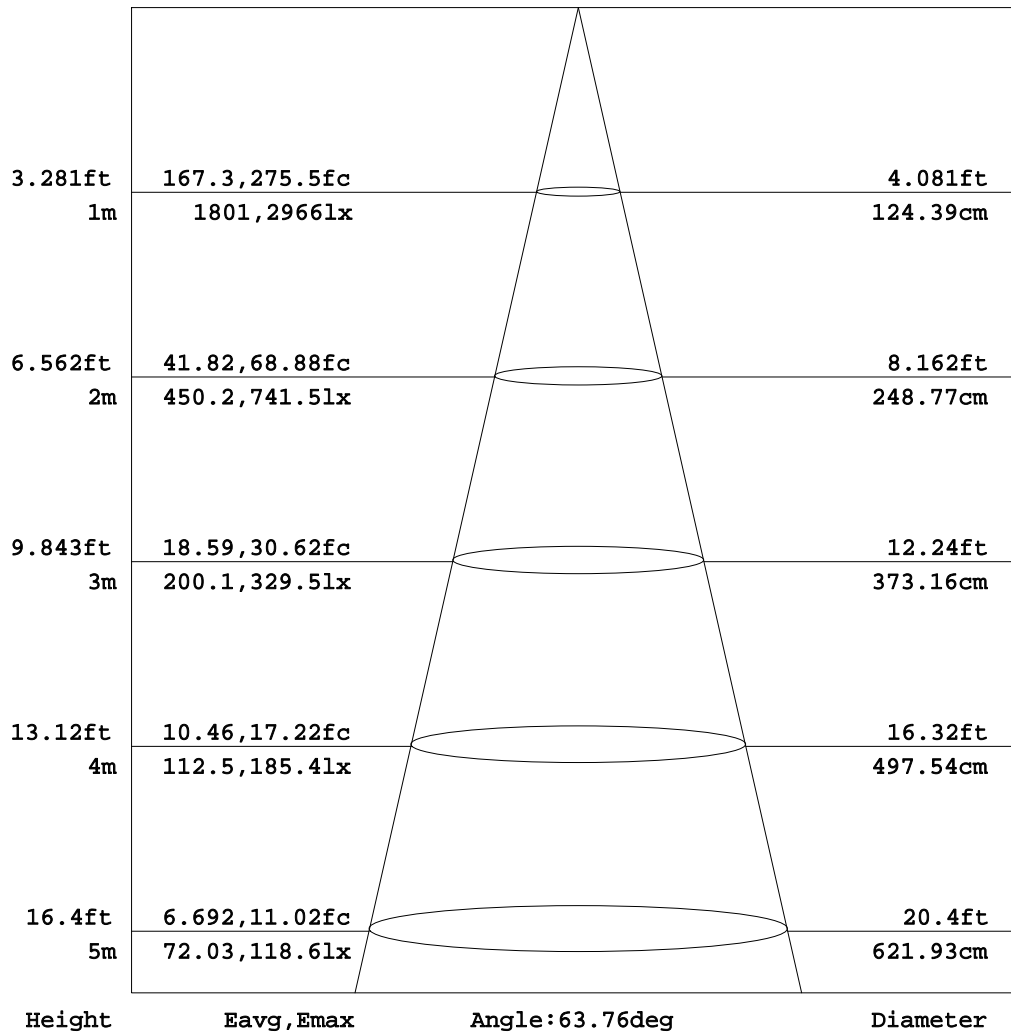
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## AAI Figure

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SPEC.:3000K	DIM.: $\varnothing 218\text{mm} \times H126\text{mm}$	
MFR.:		

Flux out:2209 lm



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

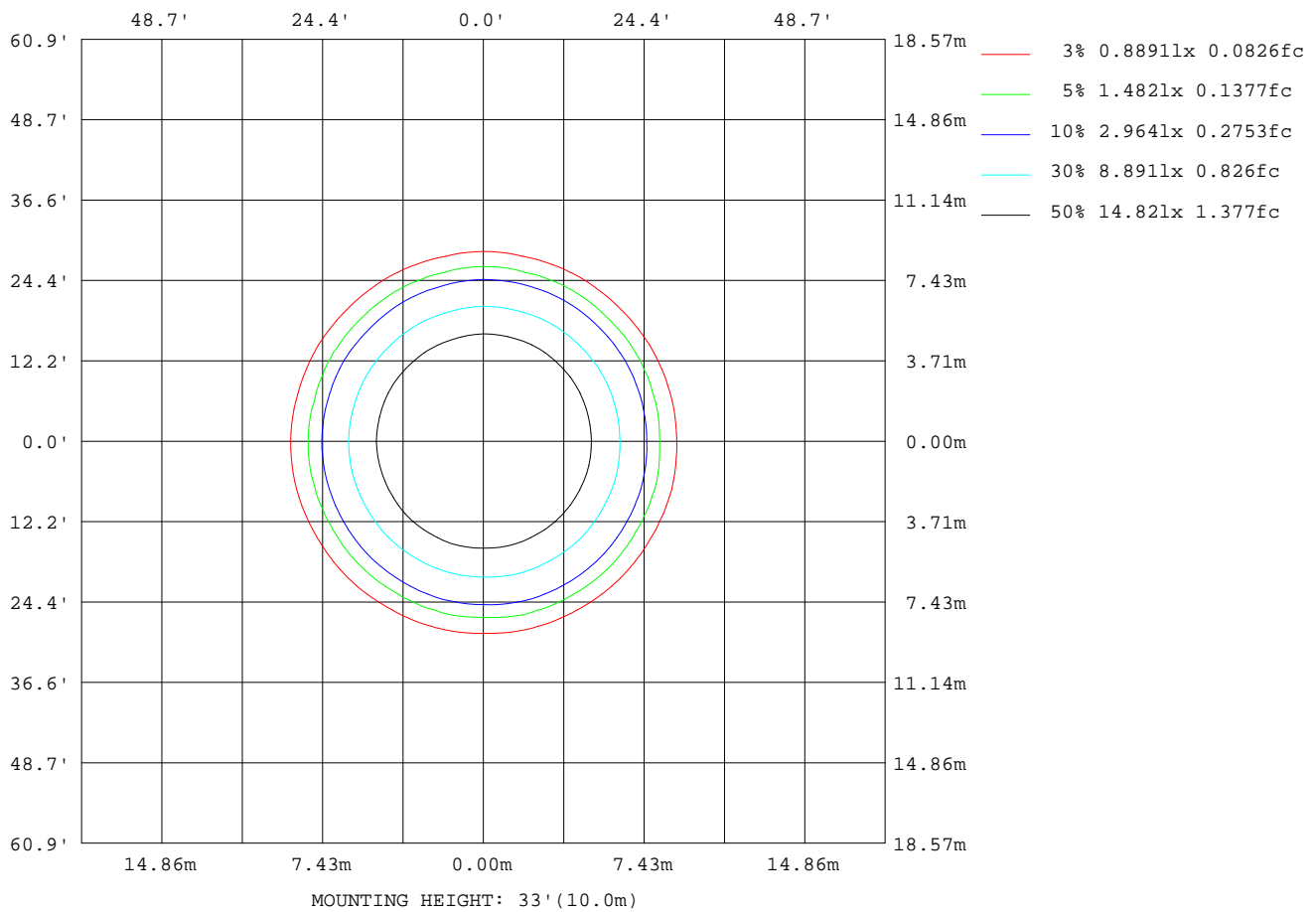
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## ISOLUX DIAGRAM

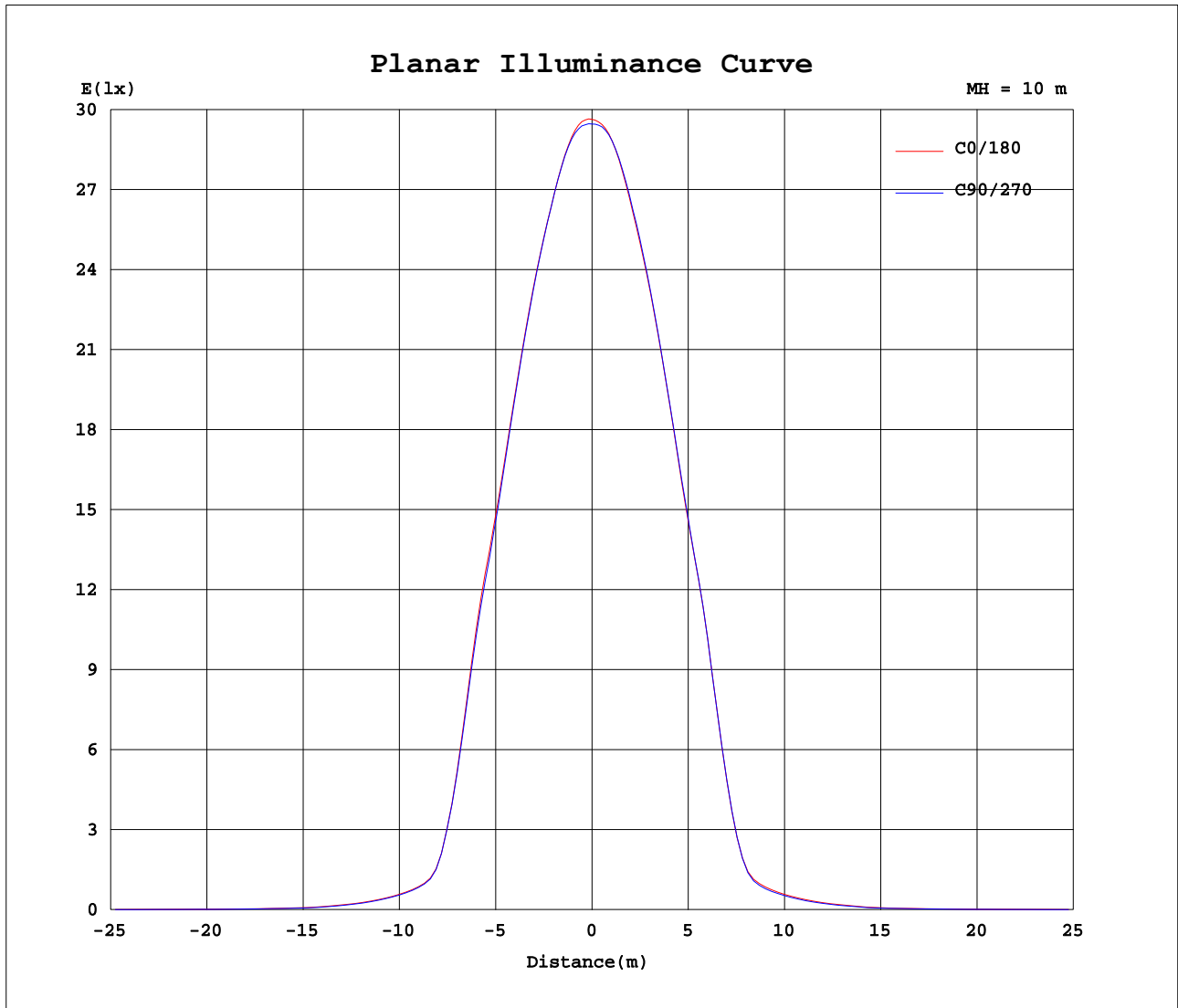
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SPEC.:3000K	DIM.: $\varnothing 218\text{mm} \times \text{H}126\text{mm}$	
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Remarks:

Planar Illuminance Curve



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Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

UNIT: 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	2964	2961	2960	2957	2956	2952	2946	2945	2946	2947
3.0	2967	2970	2974	2976	2976	2970	2951	2945	2938	2934
6.0	2945	2954	2961	2969	2971	2965	2938	2931	2916	2909
9.0	2892	2904	2910	2922	2923	2919	2889	2883	2864	2856
12.0	2815	2825	2831	2841	2843	2841	2814	2809	2790	2782
15.0	2732	2737	2738	2749	2747	2748	2727	2724	2706	2698
18.0	2620	2624	2619	2628	2624	2628	2610	2611	2594	2589
21.0	2460	2468	2459	2467	2459	2464	2448	2452	2435	2434
24.0	2258	2267	2256	2263	2251	2257	2240	2245	2229	2230
27.0	2036	2045	2030	2031	2017	2020	2003	2011	1992	1995
30.0	1792	1808	1794	1799	1777	1778	1750	1757	1733	1739
33.0	1338	1368	1359	1375	1354	1361	1311	1314	1274	1281
36.0	751.4	800.1	793.1	819.3	793.7	800.7	745.8	747.9	699.2	701.2
39.0	326.0	346.1	342.2	358.9	346.1	348.4	320.0	320.2	302.6	306.6
42.0	210.1	212.9	209.5	210.6	207.2	207.4	203.3	204.4	202.0	204.8
45.0	163.3	164.7	160.8	160.7	157.9	158.4	156.3	157.3	156.3	159.7
48.0	125.6	126.9	123.3	121.8	118.6	118.7	117.9	118.1	118.2	121.5
51.0	92.21	93.25	89.99	87.75	84.19	84.12	83.78	84.59	85.09	87.70
54.0	63.85	65.21	61.87	60.39	55.99	54.50	55.69	54.53	56.16	59.70
57.0	41.19	40.96	39.07	38.07	36.69	36.40	35.46	35.99	36.02	37.33
60.0	30.12	29.89	28.30	27.32	26.13	25.77	25.00	25.49	25.63	26.75
63.0	20.89	20.74	19.53	18.65	17.56	17.20	16.49	17.02	17.22	18.25
66.0	13.05	13.07	12.18	11.53	10.40	9.989	9.375	9.892	10.17	11.24
69.0	6.595	6.689	6.213	5.735	4.625	4.184	3.791	4.147	4.505	5.538
72.0	1.932	2.074	1.907	1.689	0.7776	0.4292	0.4750	0.4248	0.7686	1.584
75.0	0.2955	0.2688	0.2781	0.2404	0.2517	0.2251	0.2473	0.2251	0.2494	0.2360
78.0	0.2472	0.2229	0.2319	0.2011	0.2144	0.1880	0.2079	0.1902	0.2101	0.1989
81.0	0.2209	0.1967	0.2078	0.1749	0.1903	0.1765	0.1881	0.1781	0.1902	0.1758
84.0	0.2034	0.1814	0.1881	0.1727	0.1793	0.1724	0.1772	0.1732	0.1750	0.1721
87.0	0.1881	0.1749	0.1793	0.1705	0.1727	0.1684	0.1706	0.1684	0.1662	0.1684
90.0	0.1771	0.1749	0.1749	0.1727	0.1705	0.1727	0.1705	0.1705	0.1662	0.1727
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	2947	2948	2964	2961	2960	2957	2956	2952	2946	2945
3.0	2932	2935	2956	2950	2946	2943	2940	2940	2947	2947
6.0	2904	2906	2930	2922	2918	2914	2914	2916	2930	2930
9.0	2848	2850	2873	2863	2862	2857	2860	2861	2880	2880
12.0	2771	2772	2795	2784	2784	2779	2782	2785	2806	2808
15.0	2688	2688	2709	2698	2697	2691	2696	2697	2719	2723
18.0	2576	2577	2595	2583	2584	2574	2578	2578	2602	2607
21.0	2418	2420	2437	2422	2423	2410	2417	2416	2441	2445
24.0	2215	2216	2232	2215	2219	2204	2216	2213	2241	2242
27.0	1977	1983	2002	1991	1997	1979	1986	1981	2011	2010
30.0	1722	1734	1746	1720	1729	1706	1725	1713	1747	1743
33.0	1248	1258	1269	1226	1234	1204	1227	1214	1267	1260
36.0	667.8	681.3	695.1	661.6	672.7	640.5	662.8	651.0	700.5	687.5
39.0	295.9	301.9	304.2	289.3	292.0	280.6	285.8	279.4	295.5	290.1
42.0	203.7	206.8	207.0	201.2	199.2	193.7	193.0	189.9	191.8	190.7
45.0	159.4	162.7	162.7	158.2	156.5	151.4	150.2	147.9	149.1	148.1
48.0	121.6	124.3	125.3	121.8	119.7	115.3	113.0	111.7	113.1	112.6
51.0	87.83	90.66	92.29	89.92	87.79	83.35	80.74	79.49	81.87	81.96
54.0	59.09	61.92	63.58	60.30	58.78	54.79	52.72	51.39	53.97	53.14
57.0	38.36	39.99	40.29	38.20	36.62	34.59	33.91	33.10	33.60	33.82
60.0	27.76	29.07	29.35	27.70	26.43	24.72	24.25	23.55	23.94	24.08
63.0	19.10	20.13	20.28	19.02	18.13	16.80	16.42	15.85	16.07	16.21
66.0	11.83	12.59	12.60	11.68	11.16	10.18	9.842	9.299	9.420	9.490
69.0	5.931	6.306	6.282	5.697	5.486	4.858	4.490	4.016	4.033	4.065
72.0	1.716	1.825	1.774	1.529	1.492	1.230	0.8526	0.4788	0.6276	0.4767
75.0	0.2692	0.2579	0.2513	0.2692	0.2447	0.2604	0.2403	0.2582	0.2425	0.2582
78.0	0.2275	0.2164	0.2054	0.2253	0.2075	0.2144	0.1923	0.2166	0.1966	0.2122
81.0	0.2012	0.1880	0.1704	0.1881	0.1682	0.1837	0.1595	0.1837	0.1616	0.1794
84.0	0.1837	0.1779	0.1355	0.1576	0.1333	0.1510	0.1332	0.1531	0.1333	0.1510
87.0	0.1749	0.1727	0.1114	0.1356	0.1093	0.1291	0.1071	0.1269	0.1093	0.1269
90.0	0.1727	0.1727	0.1006	0.1071	0.1071	0.1050	0.1028	0.1050	0.1028	0.1050
G/C	300.0	315.0	330.0	345.0						
0.0	2946	2947	2947	2948						
3.0	2954	2957	2957	2957						
6.0	2939	2943	2943	2939						
9.0	2891	2893	2894	2887						
12.0	2818	2818	2819	2812						
15.0	2734	2732	2732	2725						
18.0	2620	2617	2619	2613						
21.0	2461	2456	2462	2454						

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2018-01-20

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	2261	2253	2263	2251
27.0	2032	2025	2037	2030
30.0	1770	1763	1787	1785
33.0	1304	1302	1341	1337
36.0	723.5	711.1	745.7	744.3
39.0	306.5	305.3	323.8	323.5
42.0	194.5	195.3	202.7	206.5
45.0	150.6	151.2	156.9	160.0
48.0	114.2	114.9	118.9	122.2
51.0	83.11	83.13	86.17	88.80
54.0	55.81	55.92	58.76	61.03
57.0	35.22	36.34	38.82	40.51
60.0	25.24	26.11	28.20	29.58
63.0	17.09	17.77	19.44	20.48
66.0	10.25	10.81	12.06	12.74
69.0	4.675	5.193	6.040	6.402
72.0	0.9003	1.372	1.723	1.849
75.0	0.2403	0.2626	0.2513	0.2801
78.0	0.1901	0.2122	0.2010	0.2297
81.0	0.1573	0.1816	0.1638	0.1903
84.0	0.1332	0.1510	0.1333	0.1597
87.0	0.1027	0.1269	0.1093	0.1335
90.0	0.1050	0.1050	0.1028	0.1050

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2018-01-20

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: