

GONIOPHOTOMETERS SYSTEM TEST REPORT

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LED Downlight Sense Series S45R1-4W-930-18

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Light Output Ratio:	100.0%	
Luminaire Power:	5.118 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	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: 2018-01-15

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:

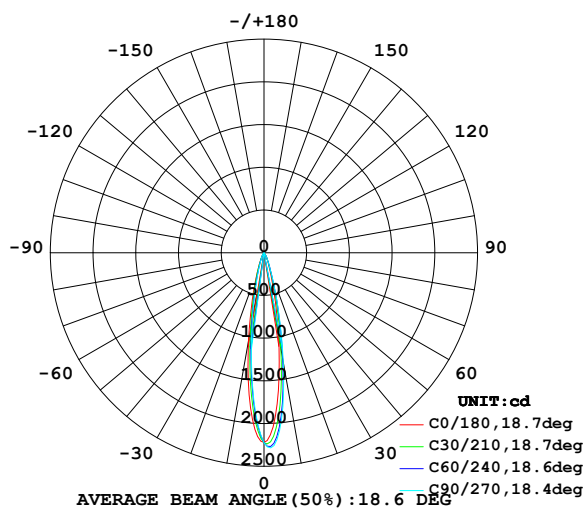
GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

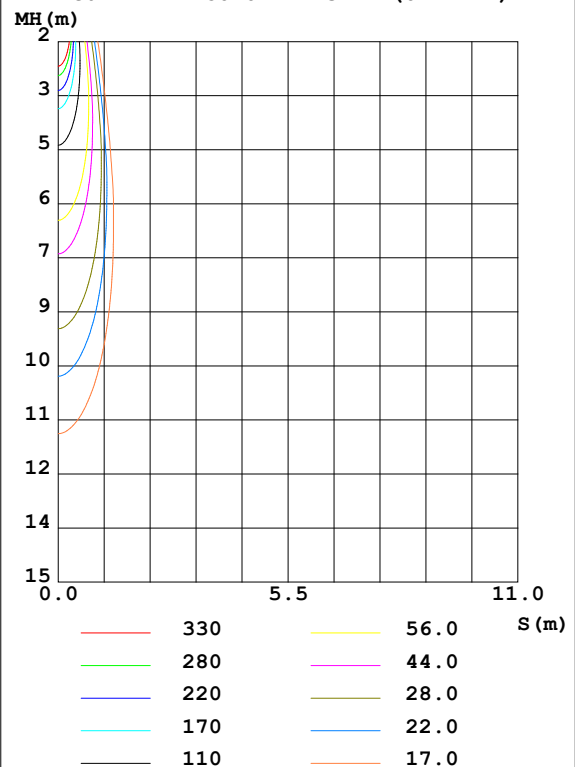
Test:U:220.7V I:0.0304A P:5.118W PF:0.7633 Lamp Flux:345.698x1 lm		
NAME: S45R1-4W-930-18	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 55mm*H60mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 67.55 lm/W			
MODEL	CREE-3000K	I <sub>max</sub> (cd)	2285	S/MH (C0/180)	0.33
NOMINAL POWER (W)	6	LOR (%)	100.0	S/MH (C90/270)	0.27
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	345.70	$\eta$ UP, DN (C0-180)	0.0, 56.4
NOMINAL FLUX (lm)	345.698	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.0, 43.6
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	220	$\eta$ 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:2018-01-15

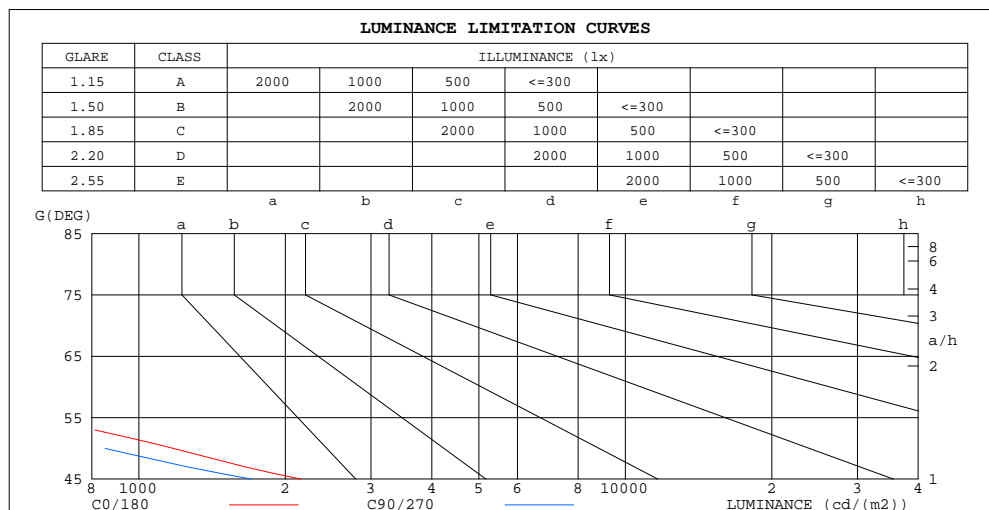
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
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## GONIOPHOTOMETERS SYSTEM TEST REPORT

### 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	973.2	1231	1298	1215	1047	844.1	789.6	826.1	0- 10	146.5	146.5	42.4,42.4
20	179.6	235.2	233.6	240.6	207.3	174.6	152.1	162.1	10- 20	132.7	279.2	80.8,80.8
30	53.19	62.87	60.16	56.77	49.12	45.43	41.66	46.51	20- 30	47.05	326.3	94.4,94.4
40	9.521	9.237	8.480	9.691	9.742	9.514	9.334	9.866	30- 40	15.51	341.8	98.9,98.9
50	1.798	1.540	1.301	1.419	1.456	1.403	1.461	1.813	40- 50	2.959	344.7	99.7,99.7
60	0.3829	0.3125	0.2888	0.2622	0.2752	0.3216	0.3626	0.4178	50- 60	0.6690	345.4	99.9,99.9
70	0.1728	0.1179	0.1094	0.0895	0.0874	0.1313	0.1442	0.1838	60- 70	0.2035	345.6	100,100
80	0.0613	0.0306	0.0372	0.0153	0.0284	0.0481	0.0371	0.0657	70- 80	0.0844	345.7	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0168	345.7	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	117	74
80	149	90
75	175	110
70	213	135
65	244	157
60	322	243
55	608	444
50	1178	853
45	2158	1702

C Range: 0 - 360DEG  
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 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
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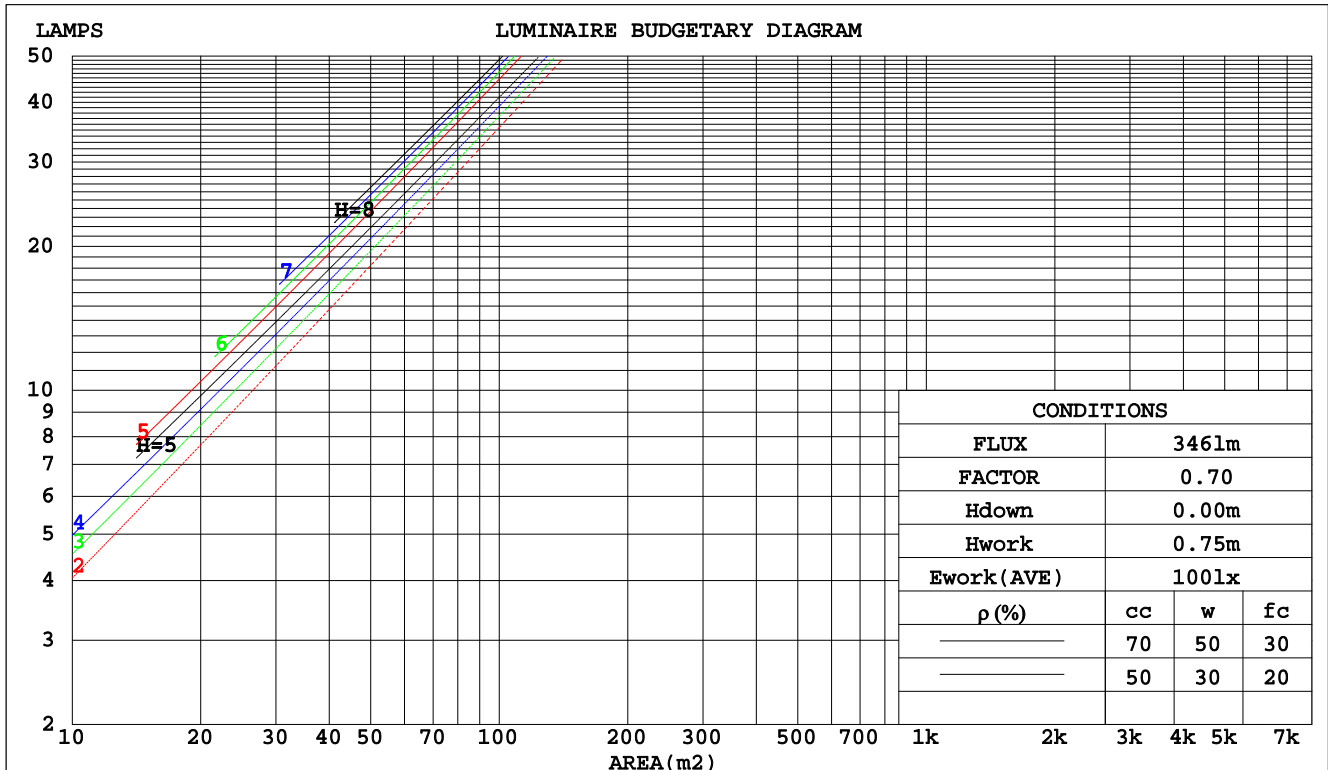
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 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity: 52%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:

# GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.7V I:0.0304A P:5.118W PF:0.7633 Lamp Flux:345.698x1 lm		
NAME: S45R1-4W-930-18	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 55mm*H60mm	
MFR.: NEKO LIGHTING AG		

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



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## WEC AND CCEC

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$\rho_{cc}$	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	.132	.075	.024	.126	.072	.023	.113	.065	.021	.102	.059	.019	.092	.053	.017		
2.0	.122	.067	.021	.117	.064	.020	.107	.059	.018	.098	.055	.017	.089	.050	.016		
3.0	.114	.061	.018	.109	.059	.018	.101	.055	.017	.093	.051	.016	.086	.048	.015		
4.0	.107	.055	.016	.103	.054	.016	.096	.051	.015	.089	.048	.014	.083	.045	.014		
5.0	.100	.051	.015	.097	.050	.015	.091	.047	.014	.085	.045	.013	.080	.043	.013		
6.0	.095	.047	.014	.092	.046	.013	.087	.044	.013	.082	.043	.012	.077	.041	.012		
7.0	.090	.044	.013	.087	.044	.012	.083	.042	.012	.079	.040	.012	.075	.039	.011		
8.0	.085	.042	.012	.083	.041	.012	.079	.040	.011	.076	.038	.011	.072	.037	.011		
9.0	.081	.039	.011	.080	.039	.011	.076	.038	.011	.073	.037	.010	.070	.035	.010		
10.0	.078	.037	.010	.076	.037	.010	.073	.036	.010	.070	.035	.010	.068	.034	.010		

$\rho_{cc}$	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	.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	.134	.113	.096	.115	.098	.084	.079	.068	.059	.046	.040	.035	.015	.013	.011	
4.0	.122	.098	.080	.104	.085	.069	.072	.059	.049	.042	.034	.029	.013	.011	.009	
5.0	.111	.085	.067	.095	.074	.058	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.102	.075	.056	.088	.065	.049	.060	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.094	.067	.048	.081	.058	.042	.056	.041	.030	.033	.024	.018	.011	.008	.006	
8.0	.088	.060	.041	.075	.052	.036	.052	.037	.026	.030	.022	.015	.010	.007	.005	
9.0	.082	.055	.036	.071	.047	.032	.049	.033	.022	.028	.020	.013	.009	.006	.004	
10.0	.077	.050	.032	.066	.043	.028	.046	.030	.020	.027	.018	.012	.009	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
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 Temperature:25.3DEG  
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$\gamma$  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:

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## UGR(Unified Glare Rating) Table

Test:U:220.7V I:0.0304A P:5.118W PF:0.7633 Lamp Flux:345.698x1 lm										
NAME: S45R1-4W-930-18					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: $\phi$ 55mm*H60mm					
MFR.: NEKO LIGHTING AG										
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	7.5	8.2	7.7	8.3	8.5	7.5	8.1	7.7	8.3	8.4
3H	7.4	8.0	7.6	8.2	8.4	7.4	8.0	7.6	8.1	8.3
4H	7.3	7.9	7.6	8.1	8.3	7.3	7.8	7.6	8.1	8.3
6H	7.3	7.8	7.5	8.0	8.2	7.2	7.7	7.5	8.0	8.2
8H	7.2	7.7	7.5	8.0	8.2	7.2	7.7	7.5	7.9	8.2
12H	7.2	7.7	7.5	7.9	8.2	7.1	7.6	7.4	7.9	8.1
4H 2H	7.3	7.9	7.6	8.1	8.3	7.3	7.8	7.6	8.1	8.3
3H	7.2	7.7	7.5	7.9	8.2	7.1	7.6	7.4	7.9	8.1
4H	7.1	7.5	7.4	7.8	8.1	7.0	7.5	7.4	7.8	8.1
6H	7.0	7.4	7.4	7.7	8.0	6.9	7.3	7.3	7.7	8.0
8H	6.9	7.3	7.3	7.6	8.0	6.9	7.3	7.3	7.6	8.0
12H	6.9	7.2	7.3	7.6	8.0	6.8	7.2	7.2	7.5	7.9
8H 4H	6.9	7.3	7.3	7.6	8.0	6.9	7.3	7.3	7.6	8.0
6H	6.8	7.1	7.2	7.5	7.9	6.8	7.1	7.2	7.5	7.9
8H	6.8	7.0	7.2	7.4	7.9	6.7	7.0	7.2	7.4	7.8
12H	6.7	6.9	7.2	7.4	7.8	6.6	6.9	7.1	7.3	7.8
12H 4H	6.9	7.2	7.3	7.6	8.0	6.8	7.2	7.2	7.5	7.9
6H	6.8	7.0	7.2	7.4	7.9	6.7	7.0	7.2	7.4	7.8
8H	6.7	6.9	7.2	7.4	7.8	6.6	6.9	7.1	7.3	7.8
Variations with the observer position at spacings:										
S = 1.0H	+ 3.5 / -10.5					+ 3.3 / -11.8				
1.5H	+ 5.8 / - 8.3					+ 5.6 / - 8.8				
2.0H	+ 5.9 / - 5.8					+ 5.5 / - 5.8				

CIE Pub.117 Corrected 345.7 lm Total Lamp Luminous Flux. ( $8\log(F/F_0) = -3.7$ )

C Range: 0 - 360DEG  
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Temperature:25.3DEG  
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Humidity:52%  
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## UTILIZATION FACTORS TABLE

Test:U:220.7V I:0.0304A P:5.118W PF:0.7633 Lamp Flux:345.698x1 lm		
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SPEC.:3000K	DIM.: $\phi$ 55mm*H60mm	
MFR.: NEKO LIGHTING AG		

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) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	90	85	82	90	85	82	78
0.80	98	93	89	97	92	89	96	92	89	85
1.00	102	97	93	101	96	93	99	96	93	89
1.25	105	101	97	104	100	97	102	99	96	92
1.50	108	103	100	106	103	100	104	101	99	95
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	107	104	107	104	102	97
3.00	113	110	107	111	108	106	108	106	104	98
4.00	115	112	110	112	110	109	109	107	106	99
5.00	116	114	112	114	112	110	110	108	107	100
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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Conical surface Flux(90deg):

343.84 lm

%lum = 99.5%

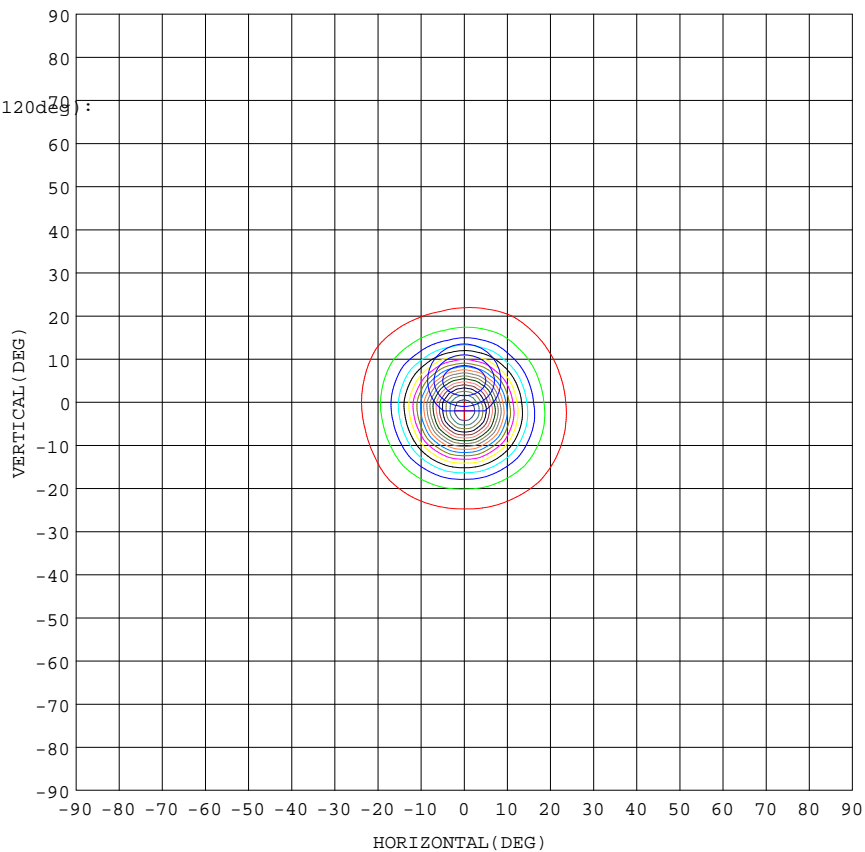
%lamp = 99.5%

Conical surface Flux(120deg):

345.39 lm

%lum = 99.9%

%lamp = 99.9%



1. AVG=1472, MIN=994.9
2. AVG=1401, MIN=670.2
3. AVG=1297, MIN=440.2

Imax:2285 (H0.0,V-2.0)  
(At:C=90.0, Gamma=2.0)

UNIT: cd

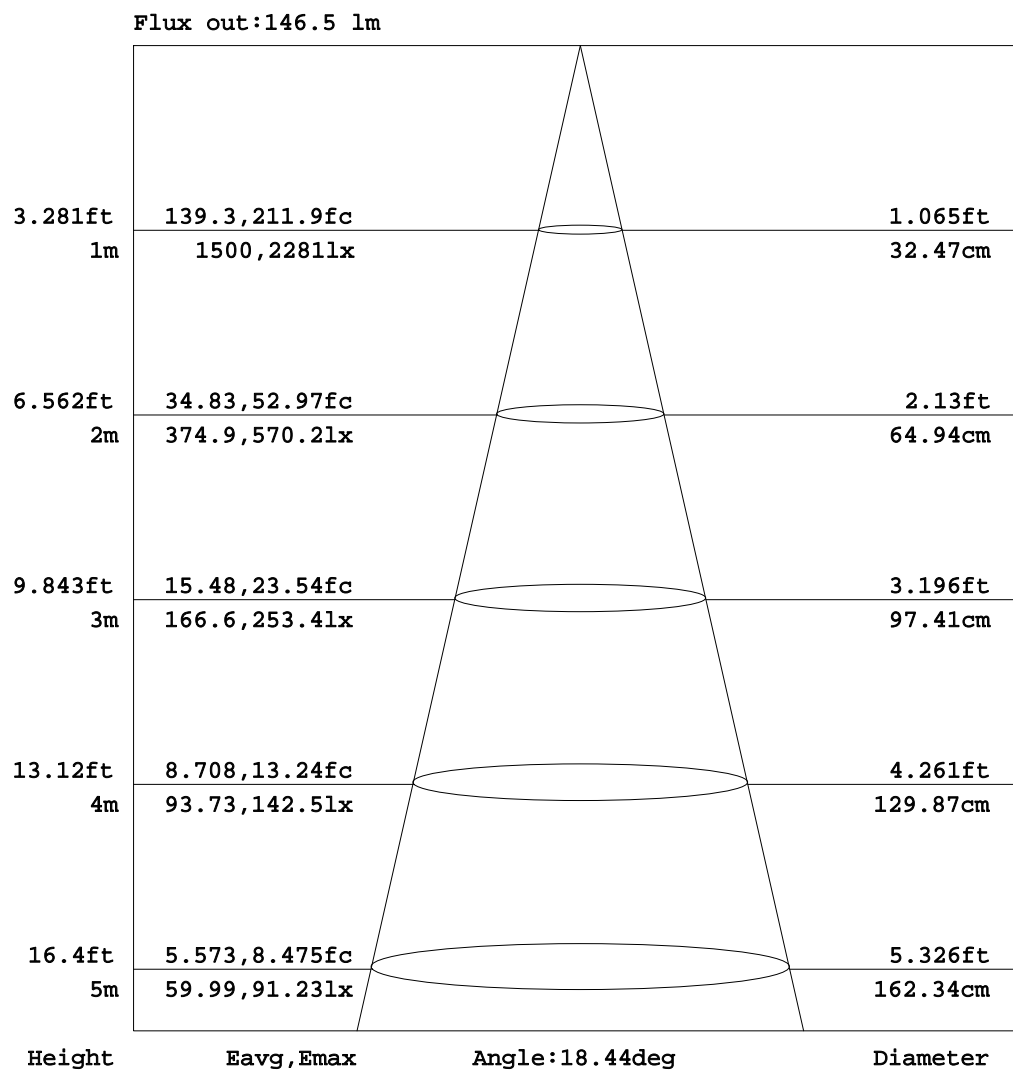
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AAI Figure

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

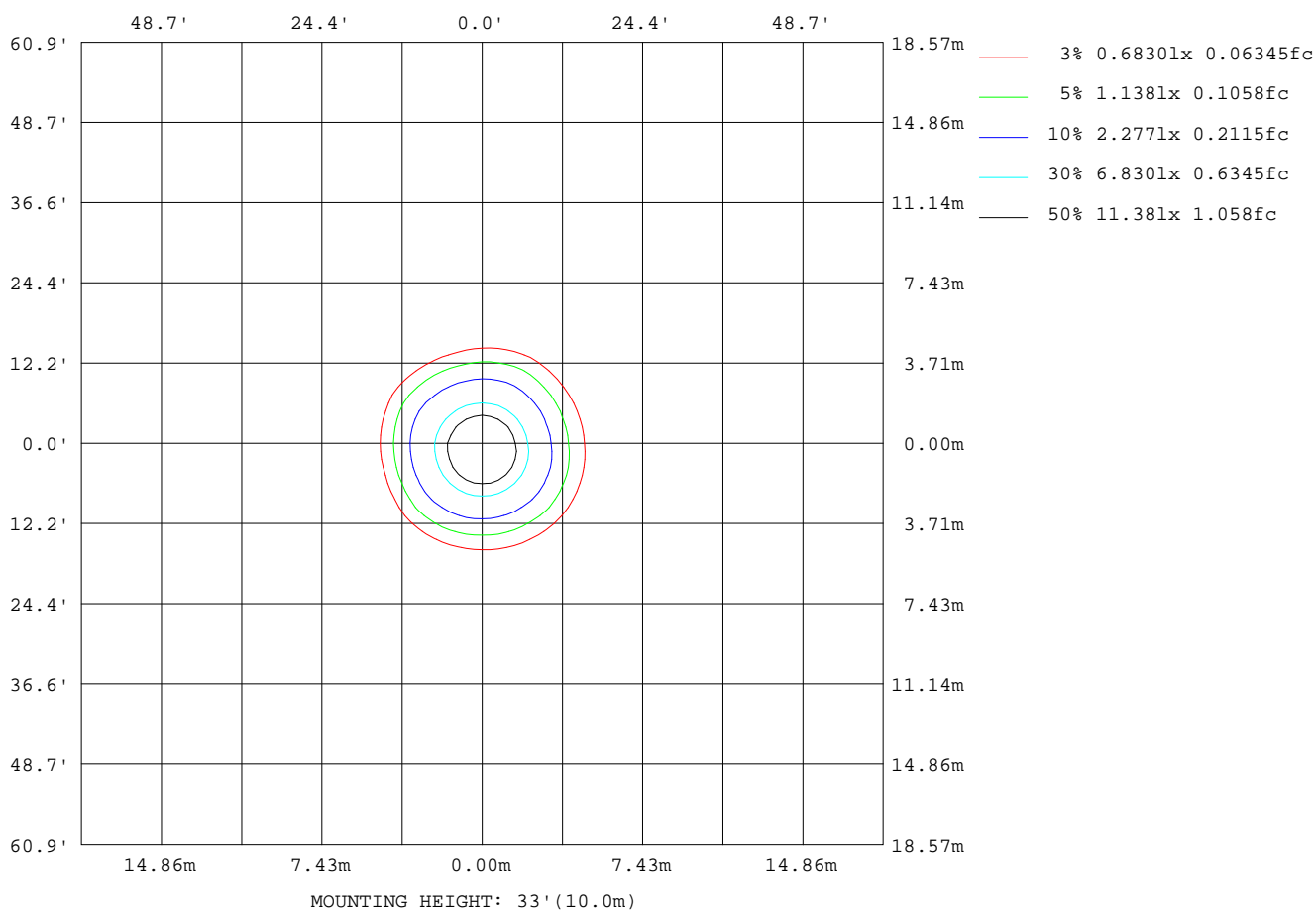
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## ISOLUX DIAGRAM

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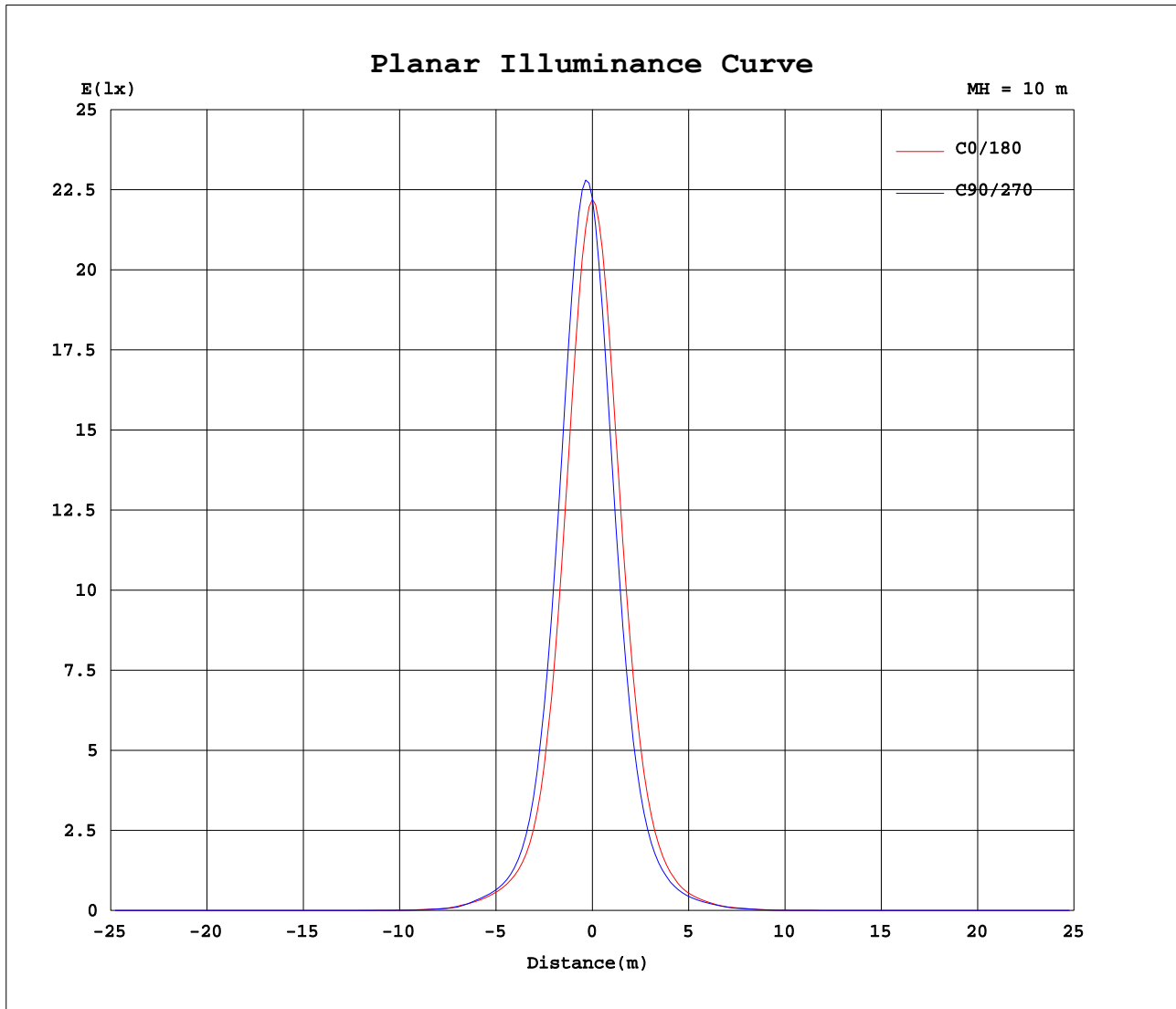


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Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

## GONIOPHOTOMETERS SYSTEM TEST REPORT

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2018-01-15

$\gamma$  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:



```

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	2220	2219	2223	2217	2224	2217	2223	2214	2220	2212
3.0	2041	2107	2151	2205	2233	2258	2258	2251	2219	2188
6.0	1621	1726	1794	1884	1924	1970	1964	1959	1903	1860
9.0	1127	1235	1302	1400	1436	1487	1473	1476	1417	1382
12.0	705.5	791.4	849.0	923.8	947.4	987.3	974.7	982.0	941.4	913.7
15.0	413.4	470.8	511.4	560.2	579.8	593.7	593.7	595.5	582.0	559.4
18.0	244.7	277.8	301.5	329.1	331.7	339.0	334.7	344.2	337.7	334.6
21.0	156.2	173.6	187.7	201.6	198.8	201.1	197.7	204.1	205.8	205.3
24.0	107.8	116.8	124.5	133.3	129.0	130.3	125.6	130.1	130.8	131.2
27.0	76.20	81.62	86.24	90.12	88.77	88.06	85.94	85.74	85.91	84.25
30.0	53.19	57.38	60.38	62.87	62.28	62.21	60.16	59.36	58.28	56.77
33.0	35.37	38.67	40.85	42.03	39.98	38.34	35.48	34.59	33.23	32.95
36.0	19.25	20.11	19.58	19.44	18.05	17.51	16.65	17.18	17.82	18.57
39.0	10.91	11.01	10.65	10.73	10.63	10.43	10.15	10.87	11.40	11.99
42.0	6.864	6.858	6.483	6.510	6.123	5.844	5.451	5.605	5.467	5.522
45.0	3.623	3.548	3.299	3.284	3.071	2.978	2.857	2.924	2.916	2.959
48.0	2.341	2.206	2.059	2.048	1.899	1.817	1.748	1.823	1.846	1.900
51.0	1.562	1.452	1.365	1.336	1.235	1.177	1.139	1.140	1.166	1.209
54.0	0.9902	0.9304	0.8784	0.8539	0.8062	0.7664	0.7339	0.7270	0.6904	0.6876
57.0	0.5655	0.5477	0.5129	0.4735	0.4234	0.3843	0.3599	0.3343	0.3440	0.3234
60.0	0.3829	0.3453	0.3500	0.3125	0.3128	0.2797	0.2888	0.2622	0.2779	0.2622
63.0	0.3021	0.2708	0.2715	0.2380	0.2321	0.2031	0.2102	0.1812	0.1949	0.1769
66.0	0.2211	0.1923	0.1948	0.1660	0.1663	0.1377	0.1445	0.1180	0.1335	0.1202
69.0	0.1816	0.1530	0.1619	0.1354	0.1335	0.1071	0.1182	0.1004	0.1160	0.0983
72.0	0.1423	0.1114	0.1204	0.0982	0.1029	0.0787	0.0919	0.0721	0.0875	0.0634
75.0	0.1073	0.0787	0.0898	0.0677	0.0788	0.0611	0.0679	0.0524	0.0656	0.0459
78.0	0.0788	0.0546	0.0657	0.0415	0.0548	0.0328	0.0482	0.0306	0.0460	0.0262
81.0	0.0504	0.0306	0.0482	0.0262	0.0394	0.0175	0.0328	0.0131	0.0328	0.0109
84.0	0.0350	0.0109	0.0285	0.0065	0.0219	0.0044	0.0176	0	0.0175	0.0022
87.0	0.0154	0	0.0153	0	0.0110	0	0.0066	0	0.0045	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	2215	2210	2220	2219	2223	2217	2224	2217	2223	2214
3.0	2133	2091	2069	2004	1970	1916	1904	1870	1881	1869
6.0	1771	1712	1672	1573	1525	1448	1424	1379	1391	1378
9.0	1288	1234	1194	1102	1053	980.9	956.3	914.3	921.0	913.8
12.0	843.8	804.8	781.8	713.2	674.4	623.0	593.0	566.6	567.1	570.1
15.0	514.6	488.3	444.6	424.2	378.5	355.2	331.5	339.6	340.6	340.6
18.0	308.5	291.4	288.0	277.2	268.8	236.4	216.6	201.7	206.9	211.2
21.0	187.4	176.2	177.3	172.8	171.5	150.5	137.5	126.5	132.3	135.5
24.0	116.7	109.4	110.3	109.9	109.8	97.39	86.95	82.54	85.77	90.06
27.0	76.06	71.55	71.82	72.00	73.08	65.77	58.55	56.45	58.85	62.44
30.0	51.24	49.00	49.12	49.46	50.67	45.43	41.53	40.14	41.66	43.49
33.0	29.92	29.31	30.17	30.78	32.06	29.05	27.46	26.63	28.17	29.88
36.0	17.78	17.67	18.54	19.02	19.68	17.91	16.58	15.76	16.17	16.96
39.0	11.33	11.34	12.09	12.42	12.95	11.87	11.14	10.73	10.98	11.42
42.0	5.291	5.359	5.676	5.458	5.585	5.215	5.274	5.156	5.633	6.102
45.0	2.922	2.985	3.061	2.884	2.871	2.811	2.766	2.696	2.842	3.020
48.0	1.886	1.933	1.945	1.808	1.829	1.815	1.803	1.784	1.878	1.994
51.0	1.209	1.242	1.248	1.176	1.220	1.235	1.238	1.246	1.290	1.344
54.0	0.6862	0.7138	0.7507	0.7643	0.7834	0.7863	0.7988	0.8212	0.8644	0.9086
57.0	0.3458	0.3299	0.3408	0.3678	0.3605	0.3918	0.3932	0.4358	0.4522	0.4931
60.0	0.2801	0.2665	0.2752	0.2997	0.2883	0.3216	0.3211	0.3609	0.3626	0.4003
63.0	0.1884	0.1724	0.1790	0.2058	0.2007	0.2277	0.2271	0.2627	0.2685	0.2999
66.0	0.1356	0.1136	0.1180	0.1466	0.1355	0.1707	0.1661	0.2013	0.1988	0.2275
69.0	0.1159	0.1004	0.0961	0.1203	0.1092	0.1422	0.1397	0.1684	0.1681	0.1903
72.0	0.0877	0.0656	0.0677	0.0963	0.0808	0.1072	0.1005	0.1270	0.1201	0.1444
75.0	0.0635	0.0480	0.0458	0.0722	0.0633	0.0831	0.0678	0.0963	0.0851	0.1073
78.0	0.0460	0.0284	0.0328	0.0525	0.0349	0.0591	0.0458	0.0700	0.0697	0.0831
81.0	0.0307	0.0152	0.0239	0.0350	0.0196	0.0416	0.0306	0.0460	0.0349	0.0547
84.0	0.0197	0.0022	0	0.0197	0.0022	0.0219	0.0065	0.0307	0.0152	0.0350
87.0	0.0066	0	0	0.0066	0	0.0088	0	0.0175	0	0.0197
90.0	0	0	0	0	0	0	0	0	0	0
G/C	300.0	315.0	330.0	345.0						
0.0	2220	2212	2215	2210						
3.0	1904	1916	1968	1999						
6.0	1423	1441	1517	1561						
9.0	951.3	965.1	1028	1070						
12.0	588.8	600.1	634.8	662.2						
15.0	354.0	352.2	369.1	386.1						
18.0	220.8	216.7	222.0	229.2						
21.0	144.3	141.3	143.3	147.0						

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2018-01-15

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	95.94	95.94	98.20	102.0
27.0	66.83	67.57	70.15	73.08
30.0	46.39	46.51	48.93	51.03
33.0	31.46	31.17	32.55	33.82
36.0	18.18	17.82	18.67	19.11
39.0	11.71	11.15	10.98	10.82
42.0	6.847	6.845	7.122	7.022
45.0	3.316	3.454	3.720	3.724
48.0	2.218	2.327	2.439	2.429
51.0	1.506	1.589	1.646	1.636
54.0	0.9735	1.005	1.037	1.025
57.0	0.5304	0.5630	0.5867	0.5870
60.0	0.3955	0.4178	0.3867	0.3937
63.0	0.2991	0.3217	0.3057	0.3108
66.0	0.2163	0.2385	0.2206	0.2320
69.0	0.1748	0.1969	0.1770	0.1925
72.0	0.1353	0.1510	0.1353	0.1467
75.0	0.1004	0.1160	0.0961	0.1138
78.0	0.0677	0.0853	0.0633	0.0810
81.0	0.0393	0.0591	0.0393	0.0569
84.0	0.0153	0.0351	0.0174	0.0350
87.0	0.0022	0.0197	0	0.0154
90.0	0	0	0	0

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2018-01-15

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: