

GONIOPHOTOMETERS SYSTEM TEST REPORT

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LED Downlight Sense Series S45S1-4W-940-18

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Light Output Ratio:	100.0%	
Luminaire Power:	5.241 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: 2018-01-17

$\gamma$  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:

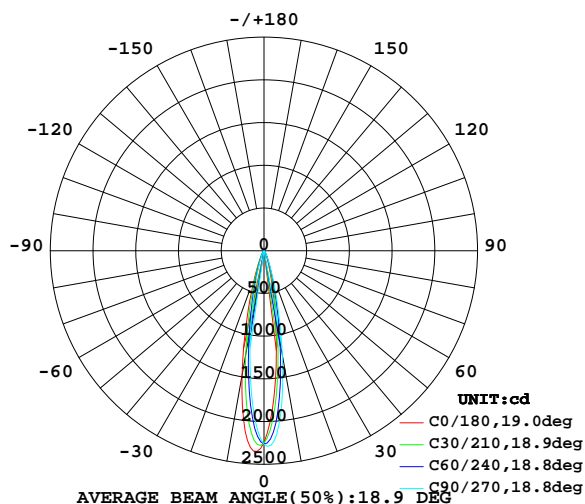
GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

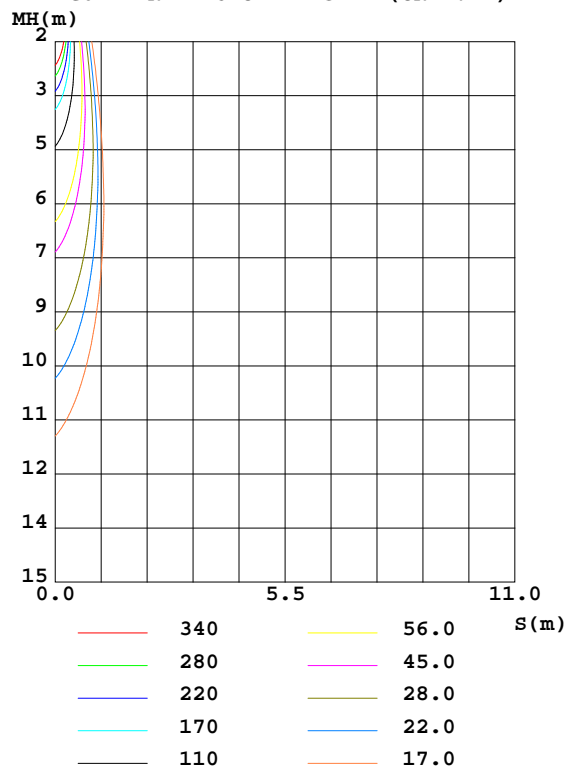
Test:U:220.7V I:0.0300A P:5.241W PF:0.7899 Lamp Flux:371.527x1 lm		
NAME: S45S1-4W-940-18	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L55mm*W55mm*H60mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 70.89 lm/W			
MODEL	CREE-4000K	I <sub>max</sub> (cd)	2404	S/MH(C0/180)	0.40
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	0.29
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	371.53	η UP,DN(C0-180)	0.0,54.7
NOMINAL FLUX(lm)	371.527	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,45.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	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:2018-01-17

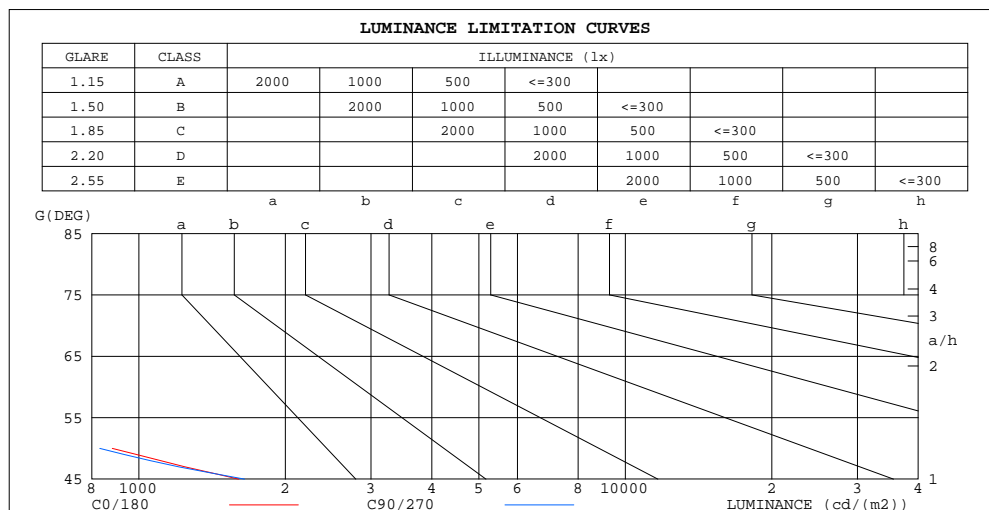
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

## GONIOPHOTOMETERS SYSTEM TEST REPORT

### ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

#### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	758.8	994.2	1241	1557	1484	1095	887.2	752.4	0- 10	152.8	152.8	41.1,41.1
20	142.1	198.8	229.8	330.4	290.9	214.4	162.5	154.8	10- 20	144.0	296.8	79.9,79.9
30	42.55	55.87	57.43	74.44	63.08	54.70	45.09	44.32	20- 30	50.34	347.2	93.4,93.4
40	9.538	16.72	11.00	22.15	11.05	17.75	8.253	13.72	30- 40	18.01	365.2	98.3,98.3
50	1.715	5.258	1.617	6.277	1.825	5.622	1.351	4.731	40- 50	5.158	370.4	99.7,99.7
60	0.2582	0.5128	0.2604	0.6001	0.2207	0.5015	0.2118	0.4842	50- 60	0.9780	371.3	99.9,99.9
70	0.0832	0.0612	0.0766	0.0502	0.0612	0.0722	0.0524	0.0919	60- 70	0.1497	371.5	100,100
80	0.0241	0.0087	0.0284	0.0065	0.0043	0.0219	0.0043	0.0219	70- 80	0.0413	371.5	100,100
90	0.0022	0	0	0	0	0	0	0	80- 90	0.0067	371.5	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		



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2018-01-17

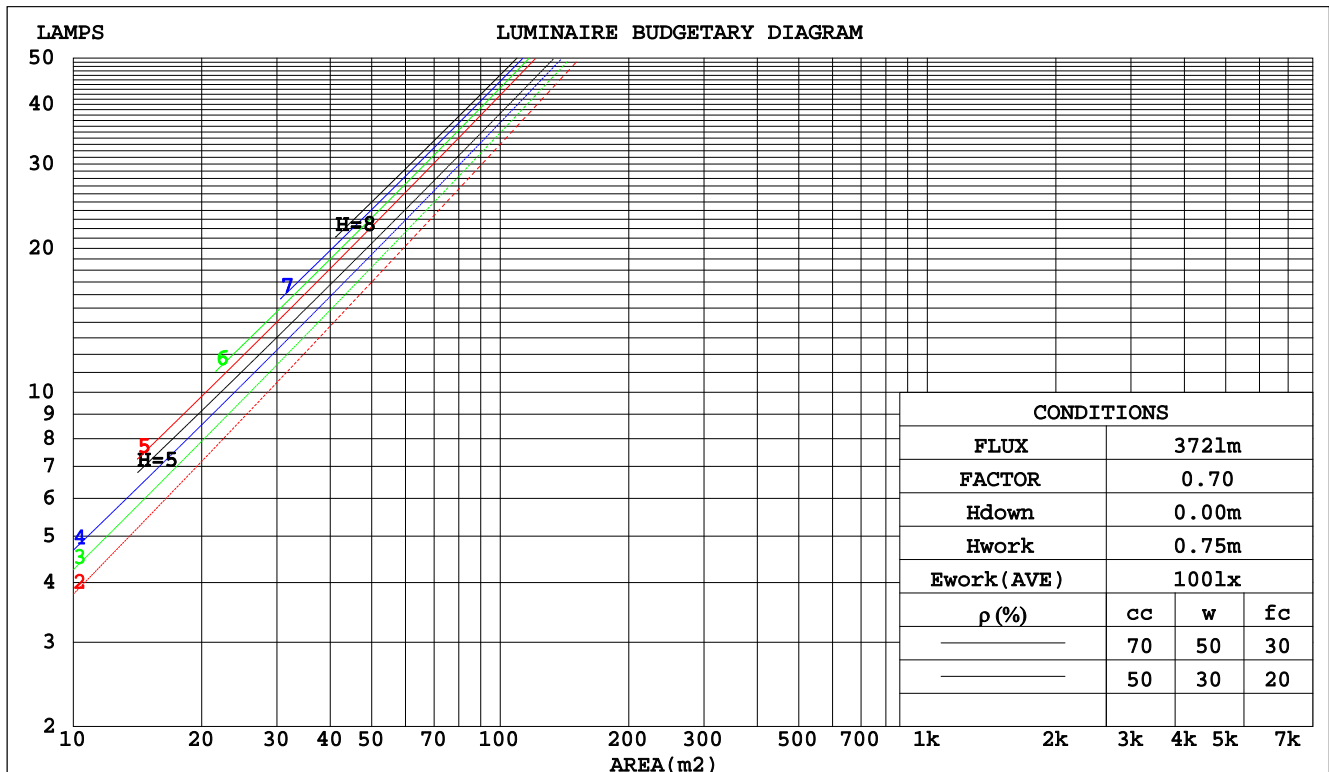
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

# GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.7V I:0.0300A P:5.241W PF:0.7899 Lamp Flux:371.527x1 lm		
NAME: S45S1-4W-940-18	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L55mm*W55mm*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	.00
1.0	1.13	1.11	1.10	1.11	1.09	1.08	1.07	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.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	.93	.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	.90	.88	.92	.89	.87	.91	.88	.87	.85
6.0	.93	.89	.86	.92	.88	.86	.91	.88	.85	.90	.87	.85	.89	.86	.84	.83
7.0	.90	.86	.83	.90	.86	.83	.88	.85	.83	.87	.84	.82	.86	.84	.82	.81
8.0	.87	.83	.81	.87	.83	.81	.86	.83	.80	.85	.82	.80	.84	.82	.80	.79
9.0	.85	.81	.79	.85	.81	.78	.84	.81	.78	.83	.80	.78	.83	.80	.78	.77
10.0	.83	.79	.76	.83	.79	.76	.82	.79	.76	.81	.78	.76	.81	.78	.76	.75



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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:220.7V I:0.0300A P:5.241W PF:0.7899 Lamp Flux:371.527x1 lm		
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SPEC.:4000K	DIM.: L55mm*W55mm*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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.134	.076	.024	.127	.073	.023	.115	.066	.021	.104	.060	.019	.093	.054	.017	
2.0	.124	.068	.021	.119	.065	.020	.108	.060	.019	.099	.056	.017	.090	.051	.016	
3.0	.116	.062	.018	.111	.059	.018	.103	.056	.017	.095	.052	.016	.087	.048	.015	
4.0	.108	.056	.017	.104	.055	.016	.097	.052	.015	.091	.049	.015	.084	.046	.014	
5.0	.102	.052	.015	.099	.051	.015	.093	.048	.014	.087	.046	.014	.082	.044	.013	
6.0	.096	.048	.014	.093	.047	.014	.088	.045	.013	.083	.043	.013	.079	.041	.012	
7.0	.091	.045	.013	.089	.044	.013	.084	.043	.012	.080	.041	.012	.076	.040	.012	
8.0	.087	.042	.012	.085	.042	.012	.081	.040	.012	.077	.039	.011	.074	.038	.011	
9.0	.083	.040	.011	.081	.040	.011	.078	.038	.011	.074	.037	.011	.071	.036	.010	
10.0	.079	.038	.011	.078	.038	.010	.075	.037	.010	.072	.036	.010	.069	.035	.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	.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	.116	.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	.082	.058	.042	.056	.041	.030	.033	.024	.018	.011	.008	.006	
8.0	.088	.060	.041	.076	.052	.036	.053	.037	.026	.031	.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  
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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:220.7V I:0.0300A P:5.241W PF:0.7899 Lamp Flux:371.527x1 lm		
NAME: S45S1-4W-940-18	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L55mm*W55mm*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	6.5	7.2	6.7	7.3	7.5	7.6	8.3	7.8	8.4	8.6
3H	6.4	7.0	6.6	7.2	7.3	7.5	8.1	7.7	8.3	8.4
4H	6.3	6.9	6.6	7.1	7.3	7.4	8.0	7.7	8.2	8.4
6H	6.2	6.8	6.5	7.0	7.2	7.3	7.9	7.6	8.1	8.3
8H	6.2	6.7	6.5	6.9	7.2	7.3	7.8	7.6	8.0	8.3
12H	6.1	6.6	6.4	6.9	7.1	7.2	7.7	7.5	8.0	8.2
4H 2H	6.3	6.9	6.6	7.1	7.3	7.4	8.0	7.7	8.2	8.4
3H	6.1	6.6	6.4	6.9	7.2	7.2	7.7	7.5	8.0	8.3
4H	6.0	6.5	6.4	6.8	7.1	7.1	7.6	7.5	7.9	8.2
6H	5.9	6.4	6.3	6.7	7.0	7.0	7.4	7.4	7.8	8.1
8H	5.9	6.3	6.3	6.6	7.0	7.0	7.4	7.4	7.7	8.1
12H	5.8	6.2	6.2	6.5	6.9	6.9	7.3	7.3	7.6	8.0
8H 4H	5.9	6.3	6.3	6.6	7.0	7.0	7.4	7.4	7.7	8.1
6H	5.8	6.1	6.2	6.5	6.9	6.9	7.2	7.3	7.6	8.0
8H	5.7	6.0	6.2	6.4	6.8	6.8	7.1	7.3	7.5	7.9
12H	5.7	5.9	6.1	6.3	6.8	6.7	7.0	7.2	7.4	7.9
12H 4H	5.8	6.2	6.2	6.5	6.9	6.9	7.3	7.3	7.6	8.0
6H	5.7	6.0	6.2	6.4	6.8	6.8	7.1	7.3	7.5	7.9
8H	5.7	5.9	6.1	6.3	6.8	6.7	7.0	7.2	7.4	7.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.7 / -15.2					+ 2.6 / -14.5				
1.5H	+ 4.0 / - 8.1					+ 4.3 / - 8.7				
2.0H	+ 4.9 / - 9.3					+ 5.1 / - 9.0				

CIE Pub.117 Corrected 371.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.4)

C Range: 0 - 360DEG  
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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:220.7V I:0.0300A P:5.241W PF:0.7899 Lamp Flux:371.527x1 lm		
NAME: S45S1-4W-940-18	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L55mm*W55mm*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	81	90	85	81	89	84	81	78
0.80	98	92	89	97	92	89	96	91	88	85
1.00	101	96	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	107	103	100	106	102	100	104	101	99	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	106	104	107	104	102	97
3.00	113	109	107	111	108	106	108	105	104	97
4.00	114	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

Test:U:220.7V I:0.0300A P:5.241W PF:0.7899 Lamp Flux:371.527x1 lm		
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SPEC.:4000K	DIM.: L55mm*W55mm*H60mm	
MFR.: NEKO LIGHTING AG		

Conical surface Flux(90deg):

368.71 lm

%lum = 99.2%

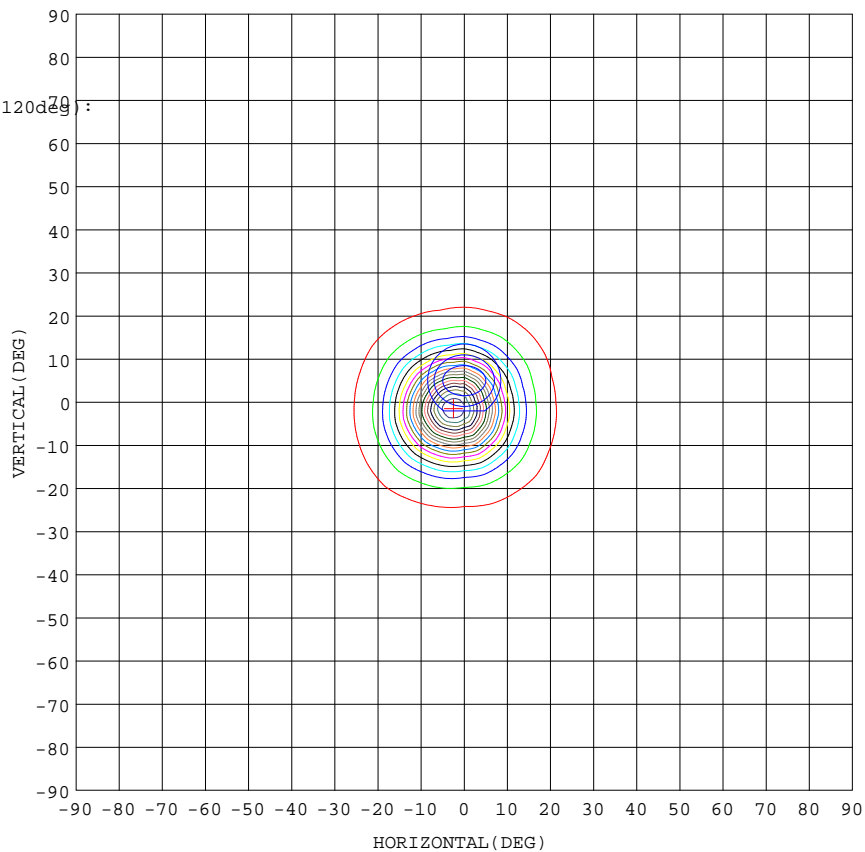
%lamp = 99.2%

Conical surface Flux(120deg):

371.33 lm

%lum = 99.9%

%lamp = 99.9%



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Temperature:25.3DEG  
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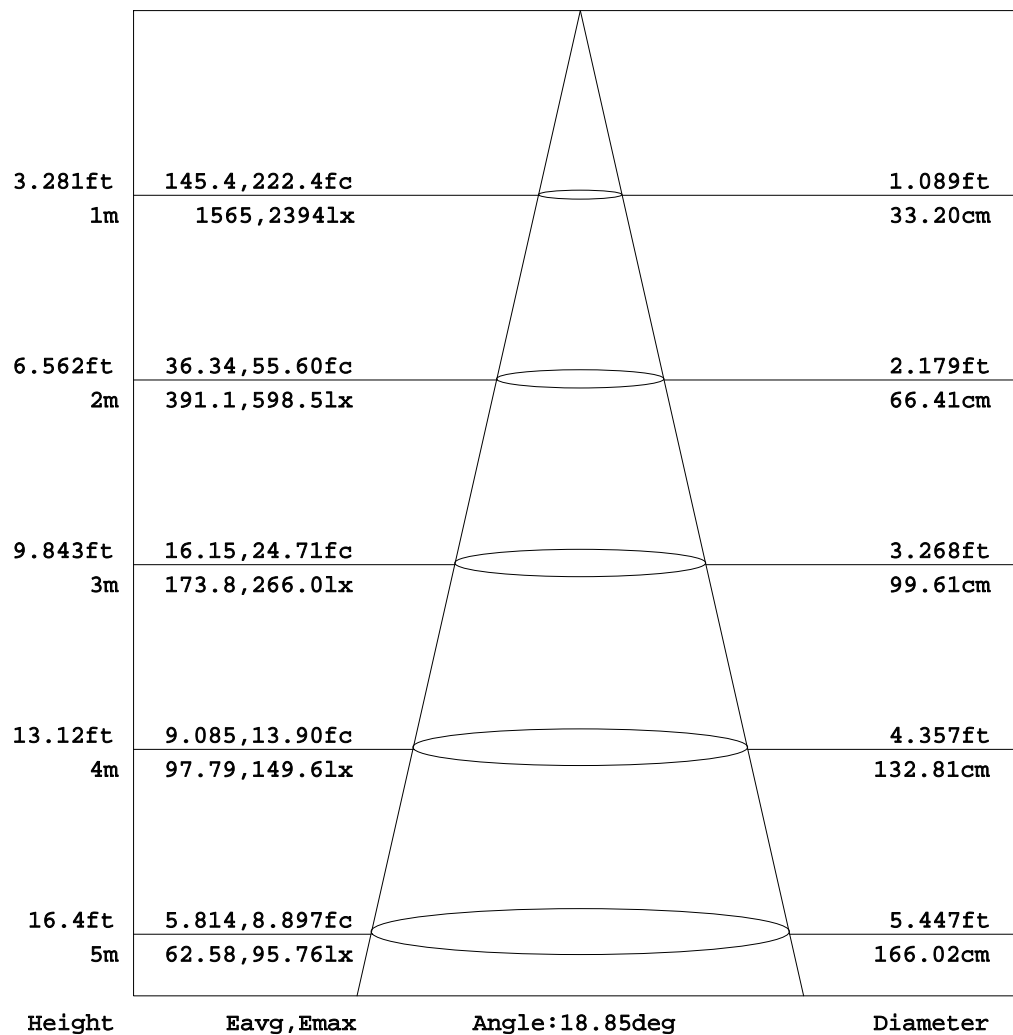
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# GONIOPHOTOMETERS SYSTEM TEST REPORT

## AAI Figure

Test:U:220.7V I:0.0300A P:5.241W PF:0.7899 Lamp Flux:371.527x1 lm		
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SPEC.:4000K	DIM.: L55mm*W55mm*H60mm	
MFR.: NEKO LIGHTING AG		

Flux out:152.8 lm



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

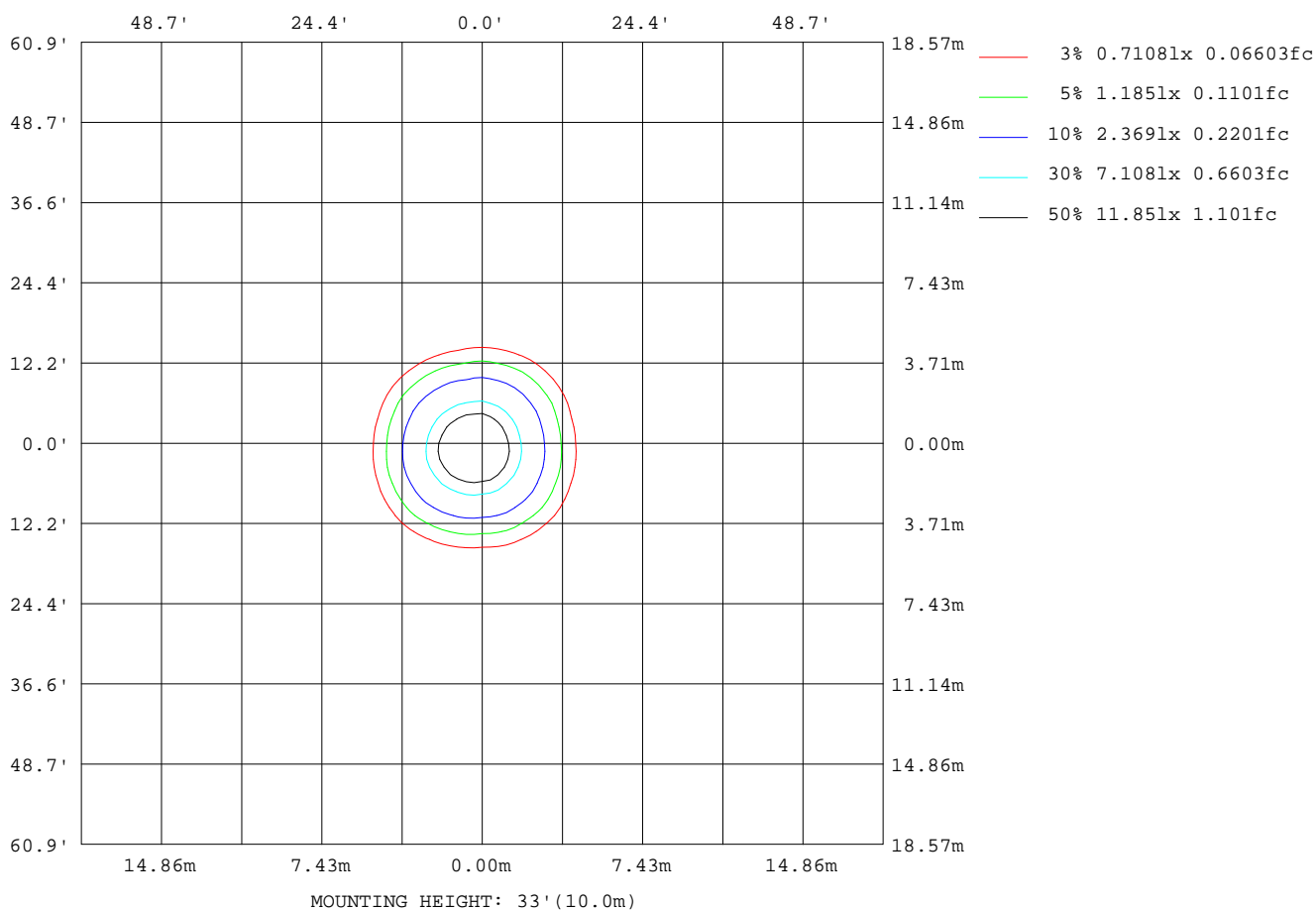
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## GONIOPHOTOMETERS SYSTEM TEST REPORT

### ISOLUX DIAGRAM

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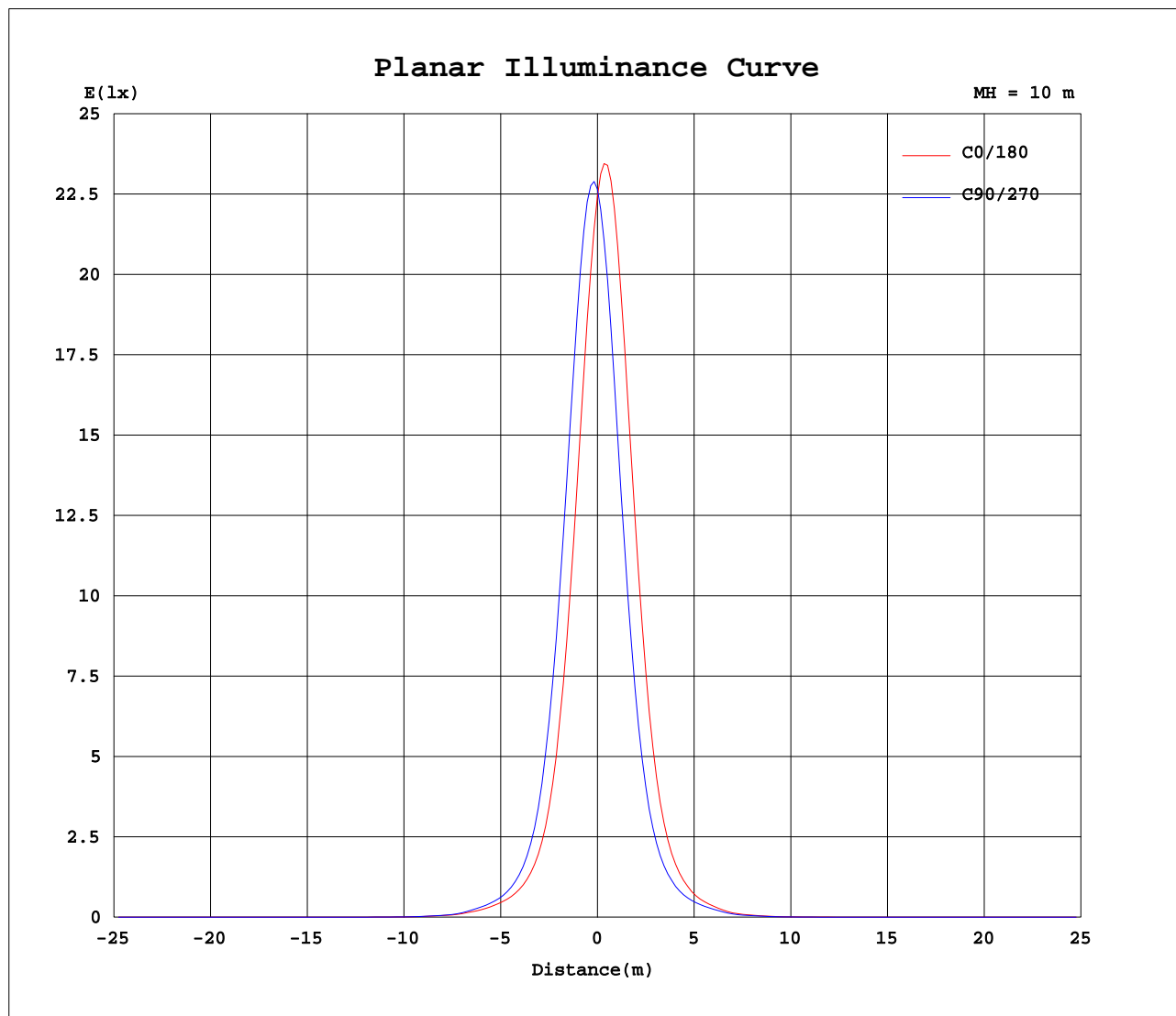


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 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

# GONIOPHOTOMETERS SYSTEM TEST REPORT

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2018-01-17

$\gamma$  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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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:

```

```

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	2244	2255	2252	2259	2262	2261	2265	2257	2262	2250
3.0	1865	1930	1977	2061	2124	2210	2235	2300	2343	2385
6.0	1364	1450	1515	1635	1727	1865	1900	2021	2093	2184
9.0	892.1	969.4	1031	1147	1239	1381	1409	1542	1622	1734
12.0	538.6	593.9	641.9	733.6	802.8	907.5	929.6	1039	1112	1212
15.0	315.0	347.3	384.6	445.7	487.6	550.5	568.9	636.4	693.1	769.0
18.0	191.7	208.6	232.9	270.4	292.9	321.8	324.8	372.3	412.3	464.8
21.0	123.8	135.9	149.1	172.0	182.3	196.1	194.5	221.4	246.9	279.4
24.0	84.91	91.07	100.1	114.0	118.9	126.3	123.1	139.5	153.3	173.7
27.0	60.95	64.79	69.77	78.71	80.65	82.49	82.15	89.65	99.93	111.9
30.0	42.55	45.84	49.19	55.87	55.76	57.46	57.43	61.72	68.14	74.44
33.0	28.72	31.14	33.85	39.02	38.95	39.52	38.55	42.79	46.36	51.26
36.0	16.57	20.25	22.78	26.64	26.49	22.52	20.19	24.75	31.97	35.81
39.0	10.88	12.58	16.13	18.68	17.07	13.41	12.55	14.91	20.46	24.95
42.0	6.348	8.294	11.56	13.71	11.40	8.018	7.384	9.729	13.82	17.92
45.0	3.431	4.148	7.896	10.16	6.805	3.733	3.528	4.636	9.251	13.09
48.0	2.240	2.507	3.753	7.203	2.917	2.199	2.133	2.544	4.160	9.189
51.0	1.474	1.660	2.056	4.035	1.798	1.452	1.404	1.633	2.164	4.624
54.0	0.8157	1.011	1.316	1.432	1.244	0.9302	0.8895	1.050	1.338	1.856
57.0	0.3207	0.4730	0.8173	0.8648	0.7713	0.4732	0.4389	0.5782	0.8434	1.087
60.0	0.2582	0.2381	0.3819	0.5128	0.3359	0.2338	0.2604	0.2381	0.4342	0.6001
63.0	0.1731	0.1702	0.2101	0.2139	0.2057	0.1680	0.1928	0.1855	0.2036	0.2529
66.0	0.1182	0.1027	0.1467	0.1397	0.1293	0.0830	0.1074	0.0960	0.1381	0.1397
69.0	0.0985	0.0786	0.0942	0.0764	0.0832	0.0634	0.0853	0.0590	0.0767	0.0698
72.0	0.0679	0.0502	0.0766	0.0459	0.0678	0.0415	0.0656	0.0459	0.0591	0.0371
75.0	0.0482	0.0306	0.0569	0.0350	0.0525	0.0328	0.0482	0.0284	0.0481	0.0327
78.0	0.0328	0.0174	0.0350	0.0175	0.0351	0.0218	0.0351	0.0218	0.0329	0.0109
81.0	0.0219	0.0065	0.0241	0.0022	0.0241	0.0044	0.0219	0.0044	0.0262	0.0043
84.0	0.0131	0	0.0153	0	0.0175	0	0.0175	0	0.0132	0
87.0	0.0066	0	0.0066	0	0.0066	0	0.0044	0	0.0066	0
90.0	0.0022	0.0022	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	2260	2247	2244	2255	2252	2259	2262	2261	2265	2257
3.0	2404	2399	2349	2284	2222	2140	2083	2000	1990	1923
6.0	2208	2217	2120	1992	1884	1747	1652	1534	1517	1431
9.0	1758	1771	1657	1513	1405	1254	1159	1042	1030	955.6
12.0	1231	1241	1148	1025	934.0	811.3	733.2	642.0	638.5	594.8
15.0	780.2	782.4	711.2	639.5	575.9	492.6	432.9	375.9	373.8	349.8
18.0	469.5	461.0	416.1	375.3	346.0	295.6	256.2	222.5	223.2	212.6
21.0	279.4	270.0	244.5	226.3	212.8	183.8	159.3	138.9	141.4	135.1
24.0	172.2	163.8	150.4	141.0	136.9	118.5	103.5	91.44	92.07	90.16
27.0	109.8	103.2	94.54	90.41	88.68	79.24	69.83	63.83	64.10	62.31
30.0	72.50	67.62	63.08	60.14	59.97	54.70	48.95	44.48	45.09	43.54
33.0	48.93	42.61	38.08	39.46	41.25	38.31	34.03	30.88	28.26	29.81
36.0	31.73	23.66	20.71	23.31	28.18	26.83	23.46	17.77	15.47	18.61
39.0	20.17	14.87	13.15	14.70	19.13	19.63	15.80	11.61	10.00	11.91
42.0	13.42	8.611	7.177	8.744	13.18	14.79	11.17	6.900	5.120	7.034
45.0	7.598	4.295	3.770	4.069	8.364	11.05	6.965	3.214	2.744	3.228
48.0	3.603	2.699	2.415	2.483	3.573	7.933	3.024	2.020	1.784	2.014
51.0	2.278	1.760	1.576	1.633	2.039	4.198	1.823	1.353	1.176	1.377
54.0	1.479	1.046	0.9317	1.036	1.314	1.397	1.212	0.8520	0.6980	0.8782
57.0	0.8591	0.5102	0.4267	0.5195	0.8380	0.8429	0.7395	0.3665	0.2708	0.3948
60.0	0.3732	0.2316	0.2207	0.2341	0.4074	0.5015	0.3071	0.2384	0.2118	0.2385
63.0	0.2036	0.1680	0.1505	0.1708	0.1703	0.2172	0.1725	0.1665	0.1330	0.1708
66.0	0.1250	0.0764	0.0721	0.0942	0.1026	0.1423	0.1004	0.0985	0.0742	0.1073
69.0	0.0701	0.0481	0.0612	0.0700	0.0567	0.0832	0.0612	0.0809	0.0633	0.0810
72.0	0.0569	0.0371	0.0481	0.0547	0.0371	0.0569	0.0437	0.0612	0.0393	0.0656
75.0	0.0460	0.0284	0.0262	0.0438	0.0262	0.0416	0.0262	0.0459	0.0283	0.0438
78.0	0.0350	0.0131	0.0087	0.0306	0.0109	0.0285	0.0131	0.0285	0.0087	0.0328
81.0	0.0262	0.0044	0.0022	0.0219	0.0022	0.0197	0.0022	0.0197	0.0022	0.0197
84.0	0.0153	0	0.0022	0.0132	0	0.0110	0	0.0132	0	0.0131
87.0	0.0066	0	0	0.0066	0	0.0044	0	0.0044	0	0.0044
90.0	0.0022	0	0	0	0	0	0	0	0	0
G/C	300.0	315.0	330.0	345.0						
0.0	2262	2250	2260	2247						
3.0	1897	1849	1849	1830						
6.0	1399	1339	1337	1315						
9.0	929.3	880.2	876.0	851.2						
12.0	577.7	544.2	536.7	515.0						
15.0	346.5	329.7	321.4	304.8						
18.0	214.3	207.1	200.8	187.5						
21.0	139.8	135.0	132.2	121.3						

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2018-01-17

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	92.69	91.77	88.24	83.31
27.0	64.26	64.39	62.36	59.25
30.0	44.54	44.32	43.11	40.97
33.0	30.10	30.31	28.97	27.49
36.0	20.67	20.77	19.88	17.77
39.0	14.71	15.10	14.28	11.58
42.0	10.71	11.39	10.40	7.219
45.0	7.114	8.587	6.850	3.663
48.0	3.259	6.322	3.304	2.362
51.0	1.864	3.824	2.083	1.572
54.0	1.255	1.550	1.351	0.9005
57.0	0.7679	0.8957	0.7458	0.3339
60.0	0.3290	0.4842	0.2640	0.2494
63.0	0.1835	0.2147	0.1856	0.1773
66.0	0.1200	0.1554	0.1200	0.1182
69.0	0.0721	0.1007	0.0786	0.0941
72.0	0.0458	0.0701	0.0545	0.0657
75.0	0.0305	0.0416	0.0306	0.0460
78.0	0.0131	0.0328	0.0131	0.0328
81.0	0.0022	0.0197	0.0043	0.0197
84.0	0	0.0088	0	0.0131
87.0	0	0.0044	0	0.0044
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: 2018-01-17

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: