

LED Downlight Kenzo Series K1X55-9W-840-36D



Light Output Ratio:	100.0%	
Luminaire Power:	10.62 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.55	fine grid method.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-08-30

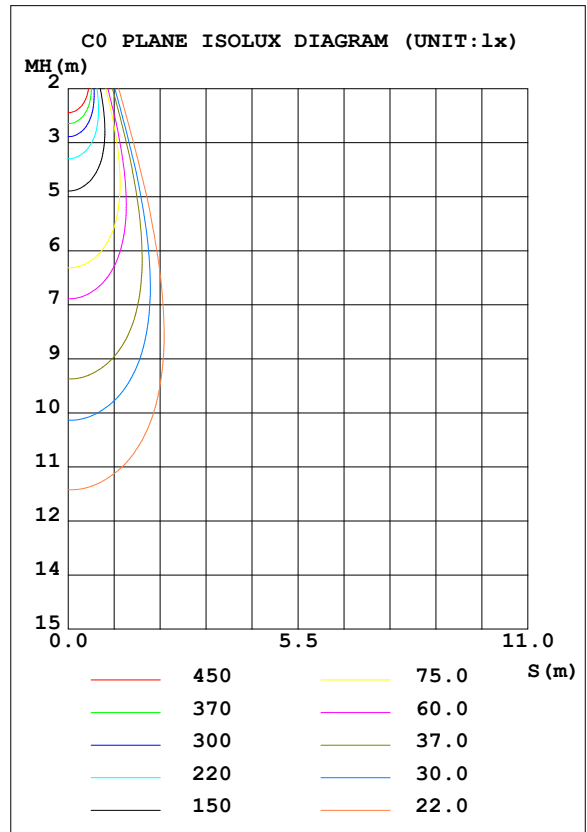
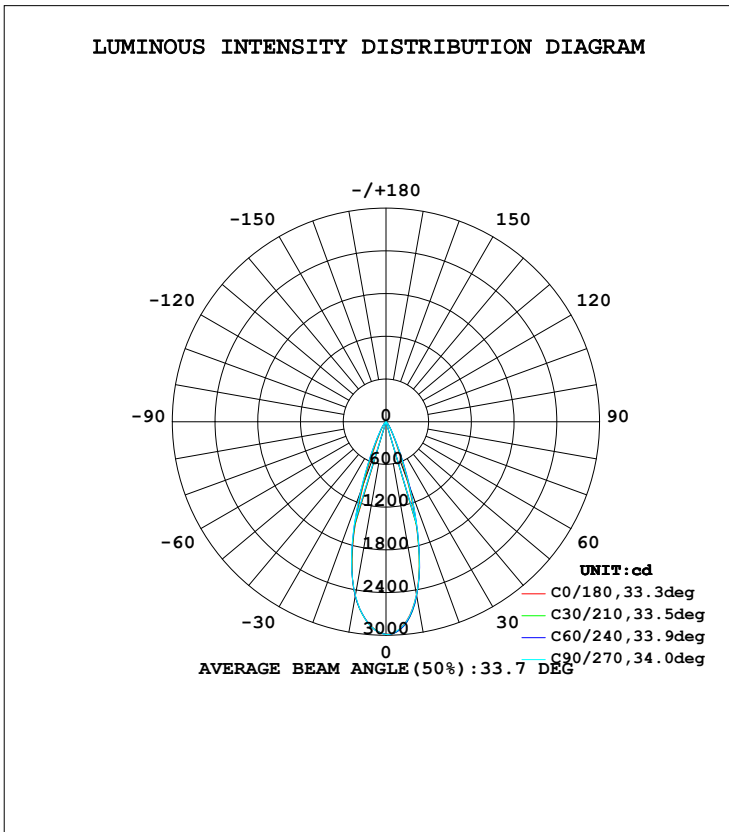
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.7V I:0.0512A P:10.62W PF:0.8679 Lamp Flux:1025.01x1 lm		
NAME: K1X55-9W-840-36D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ88mm*H125mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 96.50 lm/W			
MODEL	CITIZEN-4000K	I _{max} (cd)	2989	S/MH (C0/180)	0.52
NOMINAL POWER (W)	11.0	LOR (%)	100.0	S/MH (C90/270)	0.54
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1025.0	η UP, DN (C0-180)	0.0, 49.2
NOMINAL FLUX (lm)	1025.01	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.8
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.55



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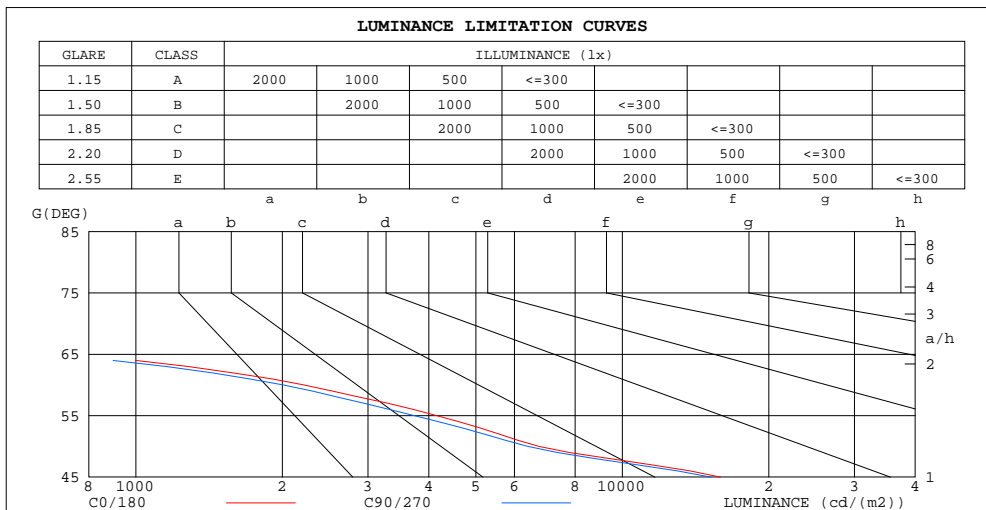
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**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2466	2500	2468	2464	2485	2474	2477	2468	0- 10	260.5	260.5	25.4,25.4
20	885.1	974.6	964.2	903.1	915.9	984.7	1046	958.7	10- 20	478.3	738.8	72.1,72.1
30	160.8	178.5	180.1	152.8	158.6	188.9	210.4	173.0	20- 30	198.1	936.9	91.4,91.4
40	48.80	49.79	47.08	45.00	47.70	53.03	55.87	51.31	30- 40	60.70	997.6	97.3,97.3
50	10.29	10.38	9.759	9.196	10.04	11.62	12.75	11.39	40- 50	21.09	1019	99.4,99.4
60	2.631	2.502	2.386	2.015	2.300	2.700	3.038	2.778	50- 60	5.233	1024	99.9,99.9
70	0.1401	0.1311	0.1510	0.1027	0.1048	0.1510	0.1398	0.1400	60- 70	0.9302	1025	100,100
80	0.0678	0.0480	0.0678	0.0393	0.0393	0.0634	0.0458	0.0613	70- 80	0.0901	1025	100,100
90	0.0372	0.0372	0.0415	0.0372	0.0262	0.0284	0.0262	0.0262	80- 90	0.0442	1025	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(DEG)	C0/180	C90/270
85	233	253
80	164	164
75	153	157
70	172	186
65	729	648
60	2216	2009
55	4155	3737
50	6740	6394
45	15912	15216

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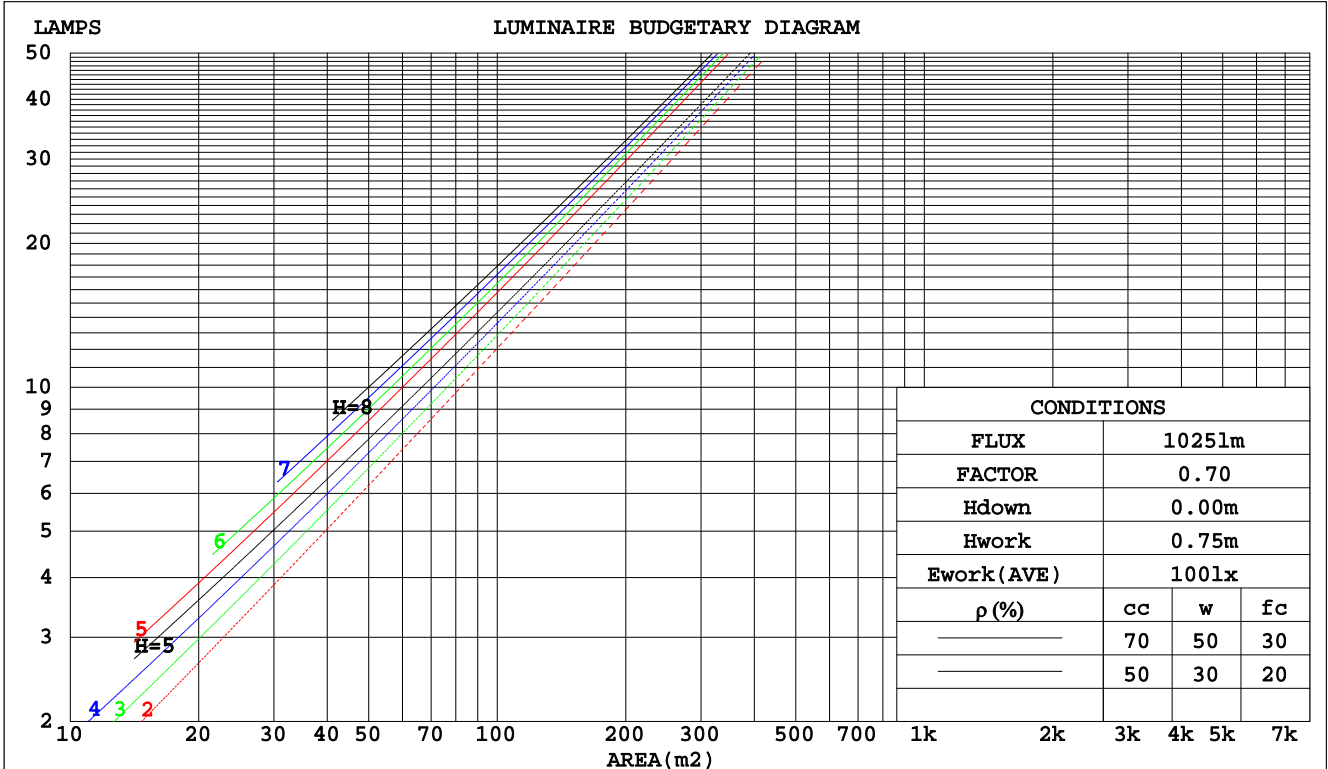
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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SPEC.:4000K	DIM.: φ88mm*H125mm	
MFR.: NEKO LIGHTING AG		

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	1.12	1.10	1.09	1.10	1.08	1.07	1.06	1.05	1.04	1.03	1.01	1.00	.99	.98	.98	.96
2.0	1.07	1.03	1.01	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.95	.93	.92
3.0	1.01	.97	.94	1.00	.96	.94	.98	.95	.92	.95	.93	.91	.93	.91	.89	.88
4.0	.97	.92	.89	.96	.92	.89	.94	.90	.88	.92	.89	.87	.90	.88	.86	.84
5.0	.93	.88	.85	.92	.88	.84	.90	.86	.84	.89	.85	.83	.87	.84	.82	.81
6.0	.89	.84	.81	.88	.84	.81	.87	.83	.80	.86	.82	.80	.84	.81	.79	.78
7.0	.85	.81	.78	.85	.80	.77	.84	.80	.77	.83	.79	.77	.82	.79	.76	.75
8.0	.82	.78	.75	.82	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.74	.72
9.0	.79	.75	.72	.79	.75	.72	.78	.74	.71	.77	.74	.71	.77	.73	.71	.70
10.0	.77	.72	.69	.76	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.69	.68



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WEC AND CCEC

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ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.147	.083	.026	.140	.080	.025	.128	.073	.023	.116	.067	.021	.106	.061	.020	
2.0	.137	.075	.023	.132	.073	.022	.121	.068	.021	.112	.063	.020	.103	.058	.018	
3.0	.129	.069	.021	.124	.067	.020	.116	.063	.019	.108	.059	.018	.100	.055	.017	
4.0	.122	.063	.019	.118	.062	.018	.110	.058	.017	.103	.056	.017	.097	.053	.016	
5.0	.115	.059	.017	.112	.057	.017	.105	.055	.016	.100	.053	.016	.094	.050	.015	
6.0	.109	.055	.016	.106	.054	.015	.101	.052	.015	.096	.050	.015	.091	.048	.014	
7.0	.104	.051	.015	.102	.051	.014	.097	.049	.014	.092	.047	.014	.088	.046	.013	
8.0	.100	.049	.014	.097	.048	.014	.093	.047	.013	.089	.045	.013	.085	.044	.013	
9.0	.095	.046	.013	.093	.046	.013	.090	.044	.013	.086	.043	.012	.083	.042	.012	
10.0	.092	.044	.012	.090	.043	.012	.086	.042	.012	.083	.041	.012	.080	.040	.012	

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ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.169	.158	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.137	.113	.094	.118	.098	.082	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.125	.098	.077	.108	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.115	.086	.064	.099	.074	.056	.068	.052	.040	.040	.031	.023	.013	.010	.008	
6.0	.107	.076	.054	.092	.066	.047	.063	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.100	.068	.046	.086	.059	.040	.059	.041	.028	.034	.024	.017	.011	.008	.006	
8.0	.093	.062	.040	.080	.053	.035	.056	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.088	.056	.034	.076	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.083	.051	.030	.072	.045	.026	.050	.031	.019	.029	.019	.011	.009	.006	.004	

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UGR(Unified Glare Rating) Table

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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	13.1	13.8	13.3	13.9	14.1	13.3	14.0	13.5	14.2	14.3
3H	12.9	13.6	13.2	13.8	14.0	13.1	13.8	13.4	14.0	14.2
4H	12.8	13.5	13.1	13.7	13.9	13.1	13.7	13.3	13.9	14.1
6H	12.8	13.4	13.0	13.6	13.8	13.0	13.6	13.3	13.8	14.1
8H	12.7	13.3	13.0	13.5	13.8	12.9	13.5	13.2	13.8	14.0
12H	12.7	13.2	13.0	13.5	13.7	12.9	13.4	13.2	13.7	14.0
4H 2H	12.9	13.5	13.1	13.7	13.9	13.1	13.7	13.3	13.9	14.1
3H	12.7	13.2	13.0	13.5	13.8	12.9	13.5	13.2	13.7	14.0
4H	12.6	13.1	12.9	13.4	13.7	12.8	13.3	13.2	13.6	13.9
6H	12.5	12.9	12.9	13.3	13.6	12.7	13.2	13.1	13.5	13.8
8H	12.4	12.9	12.8	13.2	13.6	12.7	13.1	13.0	13.4	13.8
12H	12.4	12.8	12.8	13.1	13.5	12.6	13.0	13.0	13.4	13.7
8H 4H	12.4	12.9	12.8	13.2	13.6	12.7	13.1	13.0	13.4	13.8
6H	12.3	12.7	12.8	13.1	13.5	12.6	12.9	13.0	13.3	13.7
8H	12.3	12.6	12.7	13.0	13.4	12.5	12.8	12.9	13.2	13.7
12H	12.2	12.5	12.7	12.9	13.4	12.4	12.7	12.9	13.1	13.6
12H 4H	12.4	12.8	12.8	13.1	13.5	12.6	13.0	13.0	13.4	13.7
6H	12.3	12.6	12.7	13.0	13.4	12.5	12.8	12.9	13.2	13.7
8H	12.2	12.5	12.7	12.9	13.4	12.4	12.7	12.9	13.1	13.6
Variations with the observer position at spacings:										
S = 1.0H	+ 2.9 / - 9.5					+ 2.8 / -10.0				
1.5H	+ 4.6 / - 7.0					+ 4.5 / - 6.7				
2.0H	+ 6.3 / -10.6					+ 6.1 / - 9.9				

CIE Pub.117 Corrected 1025 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.1)

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UTILIZATION FACTORS TABLE

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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			

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ISOCANDELA DIAGRAM

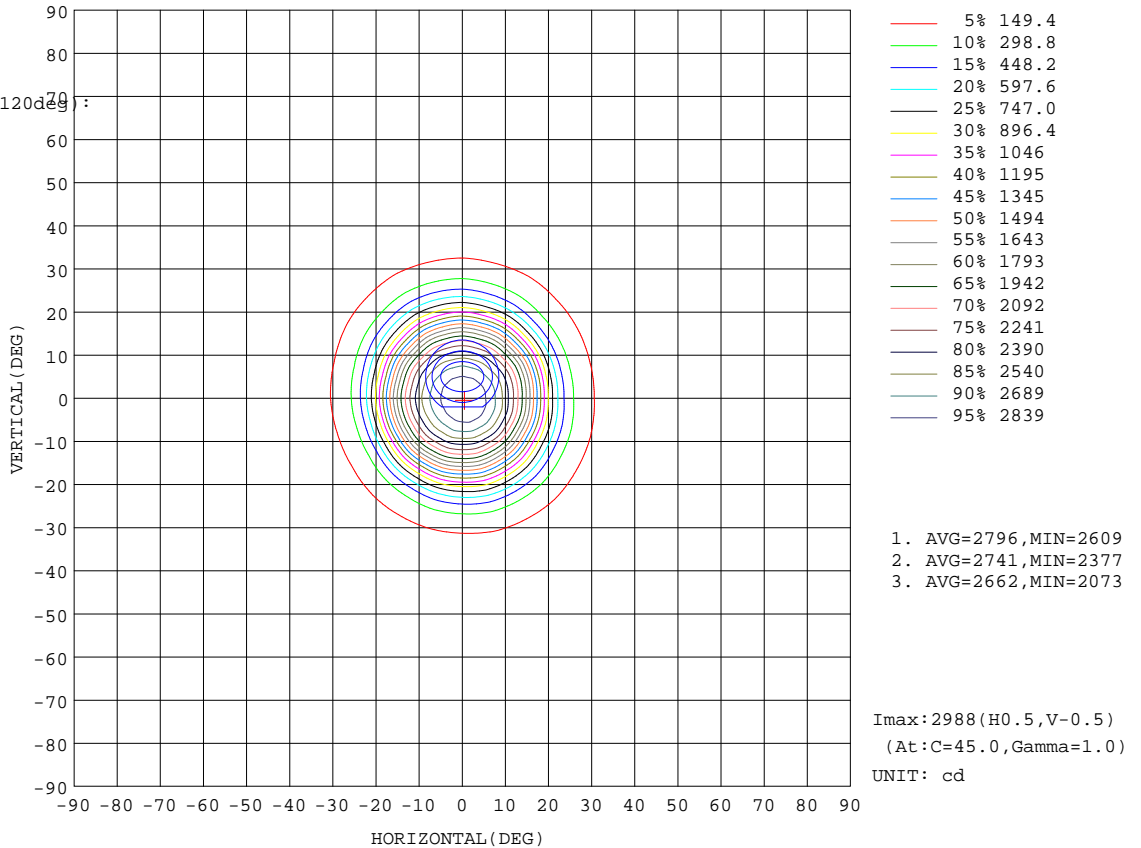
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Conical surface Flux(90deg):

1011.5 lm
%lum = 98.7%
%lamp = 98.7%

Conical surface Flux(120deg):

1023.9 lm
%lum = 99.9%
%lamp = 99.9%



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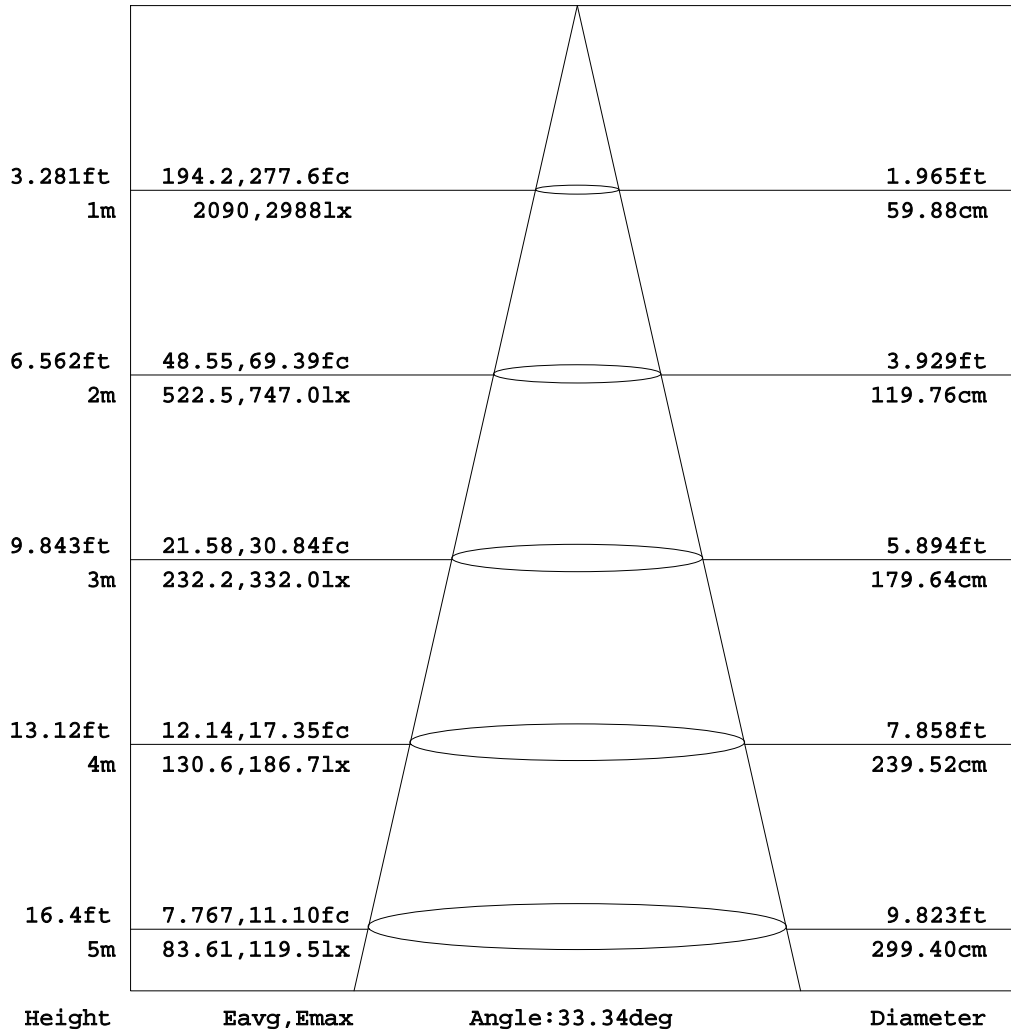
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AAI Figure

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Flux out:613.8 lm



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

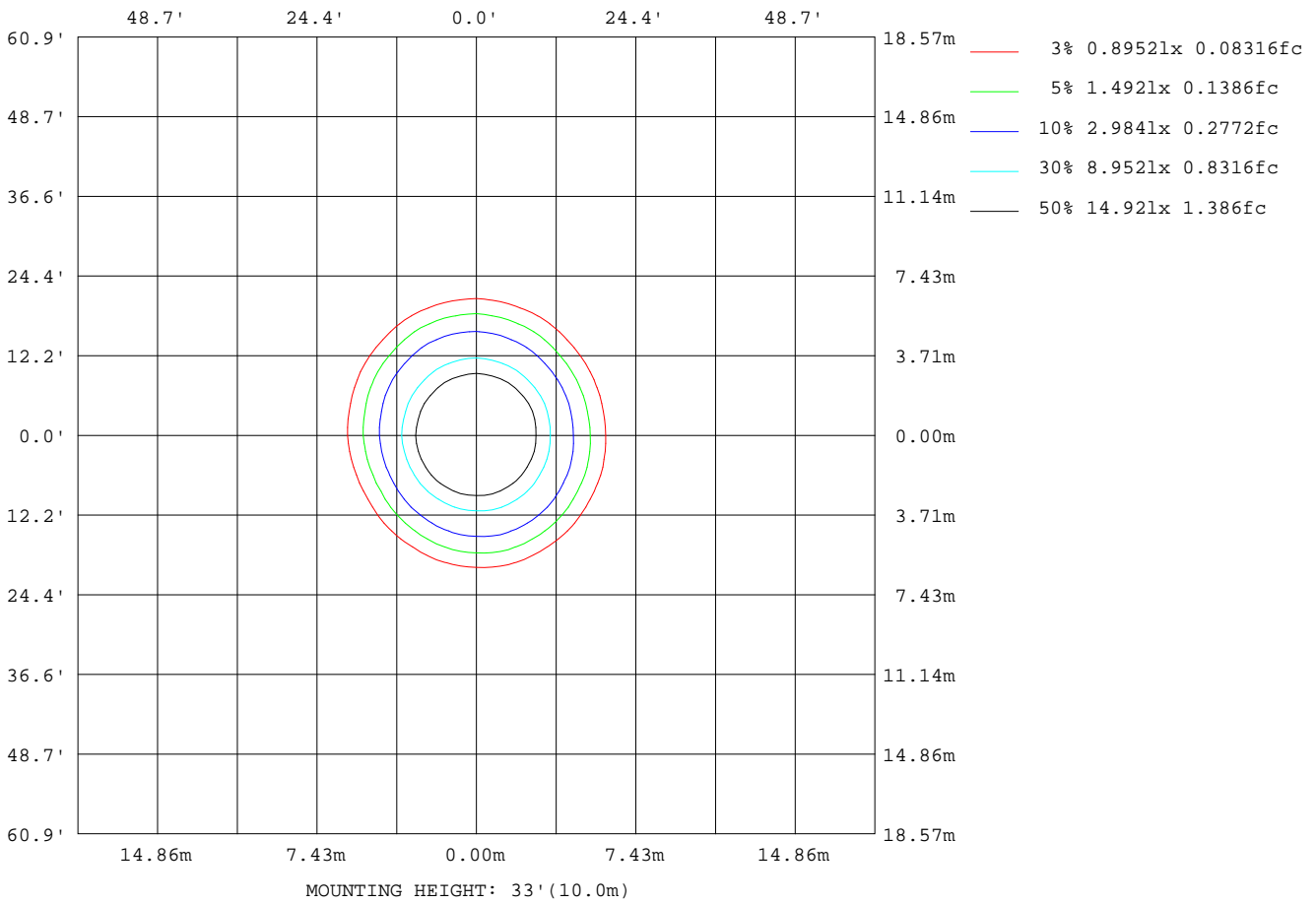
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ISOLUX DIAGRAM

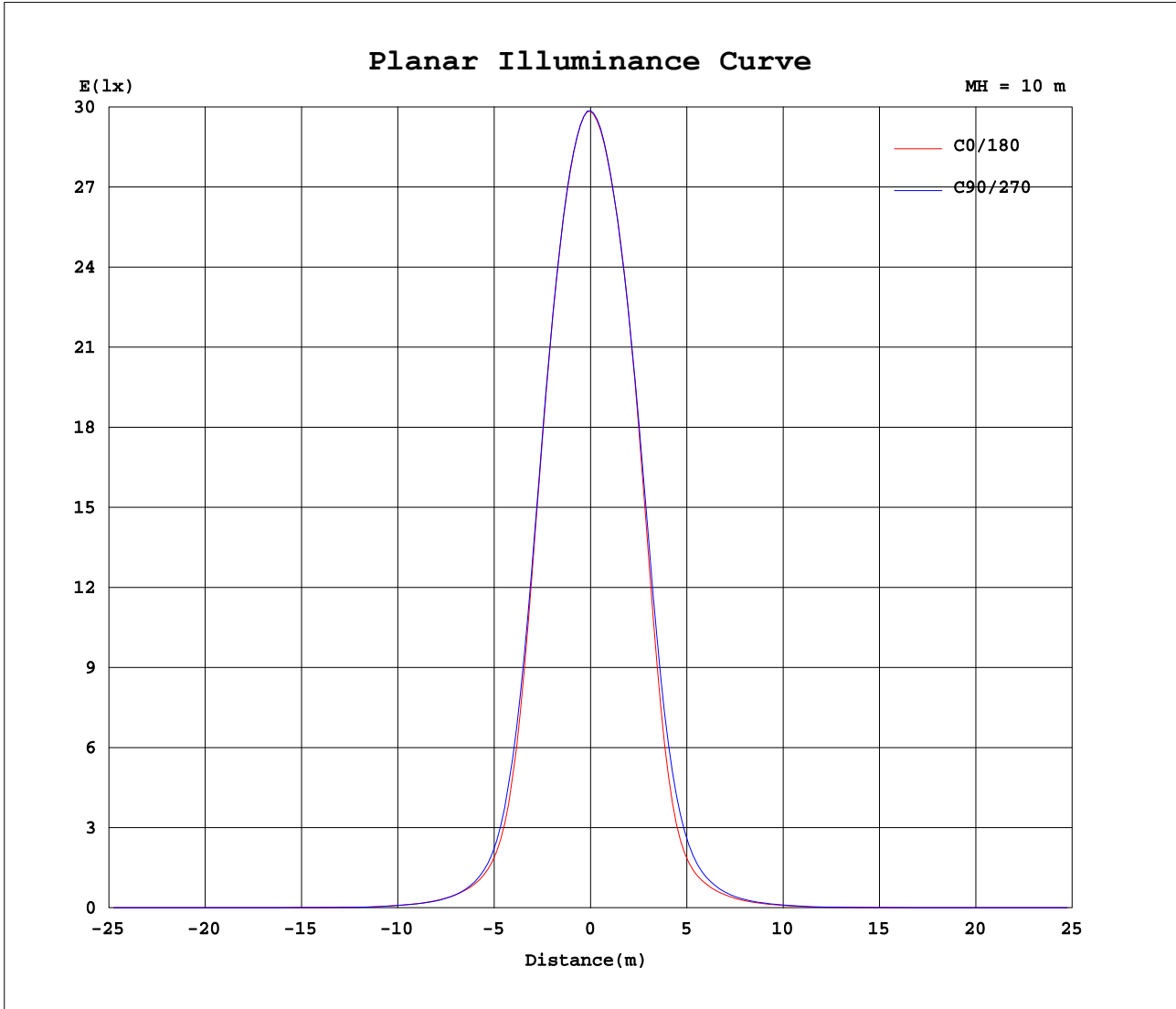
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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

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Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2984	2984	2986	2985	2987	2986	2987	2986	2987	2987	2987	2988	2984	2984	2986	2985	2987	2986	2987
5	2860	2877	2879	2887	2879	2880	2864	2860	2844	2841	2832	2837	2839	2835	2843	2835	2842	2836	2843
10	2466	2489	2483	2500	2482	2491	2468	2477	2456	2464	2455	2469	2485	2472	2486	2474	2486	2466	2477
15	1760	1779	1760	1796	1786	1808	1778	1794	1772	1793	1770	1790	1815	1793	1824	1816	1853	1837	1858
20	885	916	925	975	986	1002	964	953	910	903	865	875	916	917	971	985	1035	1031	1046
25	344	367	381	413	424	434	411	394	359	337	312	315	341	358	399	426	465	468	470
30	161	168	169	179	182	188	180	173	160	153	145	148	159	164	179	189	206	209	210
35	89.3	90.8	89.4	92.0	92.5	93.4	89.0	87.4	84.2	82.9	80.4	82.8	87.8	89.9	94.7	98.3	104	106	106
40	48.8	49.1	48.6	49.8	49.4	49.3	47.1	46.2	44.7	45.0	44.3	45.4	47.7	48.4	51.6	53.0	55.6	55.6	55.9
45	26.7	26.9	26.3	27.1	26.9	27.0	25.6	25.1	24.2	24.4	24.2	24.8	26.2	26.7	28.5	29.3	30.7	30.7	31.0
50	10.3	10.2	10.0	10.4	10.5	10.4	9.76	9.55	9.17	9.20	8.99	9.20	10.0	10.5	11.3	11.6	12.4	12.5	12.7
55	5.66	5.58	5.42	5.66	5.68	5.57	5.09	4.94	4.74	4.60	4.44	4.70	5.28	5.56	5.94	6.05	6.51	6.49	6.54
60	2.63	2.54	2.38	2.50	2.60	2.59	2.39	2.31	2.13	2.01	1.88	1.99	2.30	2.49	2.59	2.70	3.04	3.08	3.04
65	0.73	0.71	0.64	0.71	0.70	0.71	0.65	0.69	0.65	0.62	0.59	0.64	0.71	0.71	0.78	0.84	1.00	0.97	0.99
70	0.14	0.13	0.15	0.13	0.15	0.13	0.15	0.12	0.14	0.10	0.12	0.10	0.10	0.13	0.12	0.15	0.14	0.16	0.14
75	0.09	0.07	0.10	0.08	0.10	0.07	0.10	0.07	0.09	0.06	0.08	0.06	0.06	0.09	0.07	0.09	0.08	0.10	0.08
80	0.07	0.04	0.07	0.05	0.07	0.04	0.07	0.04	0.06	0.04	0.06	0.04	0.04	0.06	0.04	0.06	0.04	0.07	0.05
85	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.03	0.04	0.03	0.05	0.03	0.05	0.03
90	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-08-30

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:220.7V I:0.0512A P:10.62W PF:0.8679 Lamp Flux:1025.01x1 lm		
NAME: K1X55-9W-840-36D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ88mm*H125mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	2986	2987	2987	2987	2988														
5	2838	2850	2850	2864	2866														
10	2468	2480	2468	2493	2481														
15	1832	1850	1822	1838	1802														
20	1010	1008	959	952	912														
25	439	419	377	362	346														
30	198	189	173	167	162														
35	102	100	94.7	91.6	90.2														
40	54.0	53.6	51.3	51.0	49.8														
45	29.9	29.5	28.3	28.3	27.5														
50	12.3	12.1	11.4	11.3	10.7														
55	6.36	6.37	5.90	5.81	5.72														
60	2.98	3.06	2.78	2.68	2.68														
65	0.97	0.98	0.86	0.85	0.82														
70	0.16	0.13	0.14	0.11	0.14														
75	0.10	0.07	0.09	0.07	0.09														
80	0.07	0.04	0.06	0.04	0.06														
85	0.05	0.03	0.04	0.03	0.04														
90	0.03	0.03	0.03	0.03	0.03														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-08-30

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	2984	2984	2986	2985	2987	2986	2987	2986	2987	2987
3.0	2945	2954	2954	2959	2954	2953	2943	2941	2931	2930
6.0	2805	2822	2826	2834	2825	2828	2810	2806	2785	2782
9.0	2568	2592	2589	2604	2586	2593	2571	2578	2554	2560
12.0	2223	2243	2233	2256	2241	2255	2231	2242	2223	2237
15.0	1760	1779	1760	1796	1786	1808	1778	1794	1772	1793
18.0	1226	1253	1244	1289	1287	1312	1277	1281	1244	1255
21.0	736.1	771.9	785.0	838.0	848.9	866.4	826.5	811.2	764.2	752.3
24.0	413.8	442.6	458.6	499.2	510.1	522.0	493.6	474.7	433.9	412.6
27.0	246.0	260.8	267.3	287.6	294.2	303.2	288.9	276.4	250.9	235.6
30.0	160.8	167.6	169.4	178.5	182.0	187.7	180.1	172.7	159.9	152.8
33.0	113.0	114.8	114.9	118.7	120.6	122.6	118.0	114.4	108.8	105.5
36.0	79.19	80.41	79.29	81.02	81.13	81.50	78.13	76.55	74.00	73.21
39.0	55.17	55.66	55.04	56.20	55.74	55.74	53.31	52.29	50.73	50.84
42.0	38.34	38.58	38.21	39.27	39.09	38.90	37.08	36.25	35.02	35.25
45.0	26.72	26.87	26.34	27.11	26.89	26.98	25.55	25.09	24.16	24.44
48.0	14.96	14.86	14.32	14.83	14.78	14.90	13.95	13.78	13.15	13.49
51.0	9.099	8.997	8.893	9.198	9.289	9.182	8.579	8.360	8.051	7.988
54.0	6.442	6.365	6.204	6.479	6.495	6.380	5.852	5.699	5.445	5.340
57.0	4.271	4.195	4.035	4.212	4.258	4.178	3.815	3.677	3.511	3.330
60.0	2.631	2.543	2.384	2.502	2.596	2.589	2.386	2.312	2.134	2.015
63.0	1.382	1.322	1.191	1.300	1.310	1.352	1.246	1.259	1.145	1.073
66.0	0.4665	0.4553	0.3963	0.4552	0.4338	0.4466	0.3878	0.4356	0.4115	0.4117
69.0	0.1554	0.1333	0.1162	0.1442	0.1707	0.1464	0.1164	0.1354	0.1467	0.1158
72.0	0.1182	0.0983	0.1226	0.1049	0.1270	0.1048	0.1248	0.0961	0.1095	0.0808
75.0	0.0941	0.0743	0.0985	0.0765	0.0985	0.0743	0.0963	0.0699	0.0876	0.0612
78.0	0.0766	0.0568	0.0788	0.0590	0.0788	0.0590	0.0744	0.0503	0.0679	0.0459
81.0	0.0635	0.0393	0.0613	0.0393	0.0635	0.0415	0.0635	0.0394	0.0591	0.0372
84.0	0.0525	0.0372	0.0525	0.0372	0.0525	0.0394	0.0504	0.0394	0.0525	0.0372
87.0	0.0438	0.0372	0.0416	0.0372	0.0459	0.0394	0.0459	0.0394	0.0438	0.0372
90.0	0.0372	0.0372	0.0372	0.0372	0.0394	0.0394	0.0415	0.0394	0.0394	0.0372
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	2987	2988	2984	2986	2987	2985	2987	2986	2987	2986
3.0	2923	2925	2924	2921	2926	2925	2930	2926	2930	2928
6.0	2777	2783	2784	2780	2790	2779	2787	2780	2789	2779
9.0	2552	2564	2575	2567	2578	2568	2575	2555	2568	2561
12.0	2225	2243	2259	2241	2264	2250	2268	2252	2264	2248
15.0	1770	1790	1815	1793	1824	1816	1853	1837	1858	1832
18.0	1219	1236	1271	1261	1305	1309	1359	1349	1367	1337
21.0	711.8	720.7	758.1	766.0	821.2	842.4	893.2	889.8	900.0	862.0
24.0	381.3	385.5	414.0	431.8	480.5	508.4	553.2	560.0	556.3	520.7
27.0	219.0	222.7	240.7	253.1	281.3	300.5	329.3	333.4	336.2	313.3
30.0	144.8	148.4	158.6	164.5	179.3	188.9	205.6	208.5	210.4	197.5
33.0	101.8	103.8	110.9	113.9	121.3	126.8	137.3	137.5	140.1	132.7
36.0	71.51	73.59	77.68	79.45	83.66	86.41	91.81	92.35	92.37	88.97
39.0	50.12	51.34	53.91	54.65	58.34	59.79	62.80	63.43	63.19	60.88
42.0	34.82	35.67	37.44	38.06	40.54	41.88	43.85	43.75	44.06	42.53
45.0	24.16	24.79	26.18	26.74	28.45	29.27	30.75	30.72	30.97	29.86
48.0	13.30	13.83	15.19	15.57	16.94	17.33	18.56	18.51	18.95	18.11
51.0	7.803	7.972	8.657	9.093	9.753	9.997	10.61	10.70	10.88	10.53
54.0	5.178	5.445	6.057	6.379	6.806	6.948	7.394	7.405	7.440	7.259
57.0	3.192	3.393	3.909	4.166	4.372	4.510	4.938	4.912	4.923	4.801
60.0	1.880	1.987	2.300	2.485	2.588	2.700	3.038	3.080	3.038	2.984
63.0	1.015	1.095	1.225	1.265	1.378	1.446	1.701	1.699	1.707	1.648
66.0	0.3784	0.4379	0.5029	0.4960	0.5422	0.5968	0.7143	0.6694	0.6836	0.6803
69.0	0.1335	0.1158	0.1179	0.1467	0.1332	0.1687	0.1594	0.1840	0.1594	0.1731
72.0	0.1029	0.0830	0.0830	0.1116	0.0939	0.1226	0.1092	0.1335	0.1135	0.1269
75.0	0.0831	0.0634	0.0633	0.0853	0.0699	0.0920	0.0765	0.1007	0.0808	0.0963
78.0	0.0678	0.0481	0.0437	0.0678	0.0480	0.0722	0.0567	0.0788	0.0633	0.0787
81.0	0.0591	0.0372	0.0306	0.0568	0.0349	0.0591	0.0372	0.0635	0.0393	0.0613
84.0	0.0481	0.0372	0.0262	0.0438	0.0306	0.0460	0.0349	0.0525	0.0284	0.0481
87.0	0.0394	0.0372	0.0241	0.0350	0.0284	0.0372	0.0262	0.0394	0.0262	0.0394
90.0	0.0372	0.0372	0.0262	0.0262	0.0262	0.0284	0.0262	0.0262	0.0262	0.0284
G/C	300.0	315.0	330.0	345.0						
0.0	2987	2987	2987	2988						
3.0	2936	2938	2948	2950						
6.0	2794	2791	2807	2809						
9.0	2572	2562	2585	2580						
12.0	2262	2248	2266	2249						
15.0	1850	1822	1838	1802						
18.0	1345	1304	1307	1264						
21.0	854.7	804.9	794.4	756.8						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Meng Yongjian

Test Date: 2017-08-30

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	501.5	456.7	440.0	418.9
27.0	296.3	265.8	253.9	245.1
30.0	189.4	173.0	166.9	161.5
33.0	130.2	120.5	116.1	113.1
36.0	88.09	83.60	81.40	80.33
39.0	60.62	57.82	57.41	56.19
42.0	41.99	40.43	40.32	39.22
45.0	29.46	28.33	28.29	27.51
48.0	17.99	16.95	16.92	16.01
51.0	10.38	9.819	9.687	9.358
54.0	7.237	6.773	6.679	6.554
57.0	4.871	4.448	4.318	4.317
60.0	3.055	2.778	2.682	2.677
63.0	1.681	1.517	1.511	1.497
66.0	0.7121	0.6013	0.5746	0.5316
69.0	0.1376	0.1533	0.1266	0.1488
72.0	0.0983	0.1159	0.0960	0.1116
75.0	0.0743	0.0897	0.0677	0.0897
78.0	0.0524	0.0700	0.0481	0.0700
81.0	0.0350	0.0569	0.0371	0.0612
84.0	0.0328	0.0460	0.0328	0.0481
87.0	0.0262	0.0372	0.0262	0.0372
90.0	0.0262	0.0262	0.0262	0.0284

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-08-30

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: