

GONIOPHOTOMETERS SYSTEM TEST REPORT

LED Spotlight KENZO Series K1X55-9W-930-36D



Light Output Ratio:	100.0%	
Luminaire Power:	10.71 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.50	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

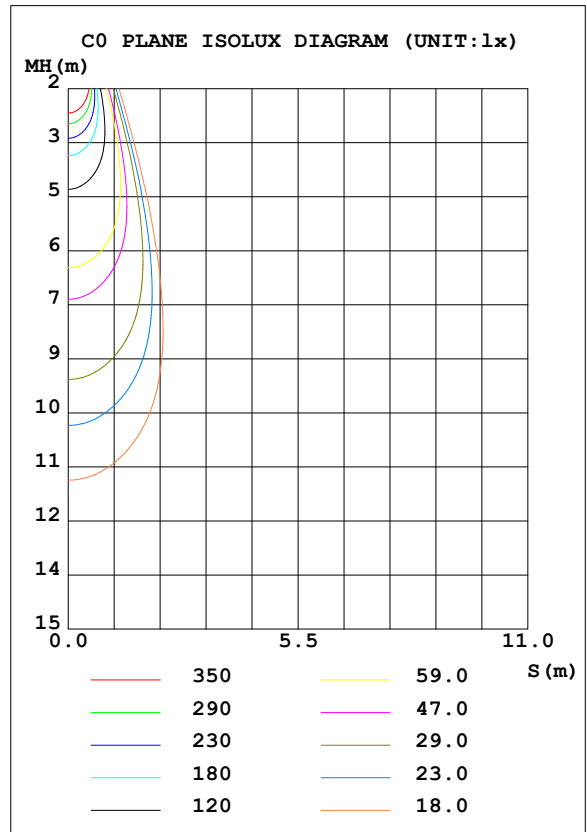
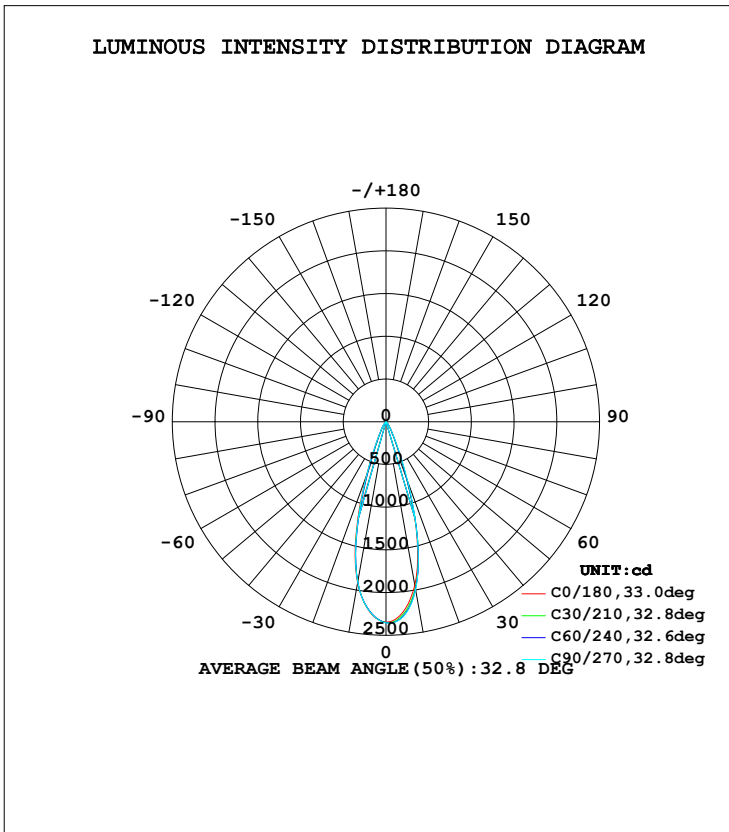
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.0538A P:10.71W PF:0.9016 Lamp Flux:782.59x1 lm		
NAME: K1X55-9W-930-36D	TYPE:Spotlight	SERIAL No.:
SPEC.:3000K	DIM.: φ88mm*H125mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 73.10 lm/W			
MODEL	CITIZEN-3000K	I _{max} (cd)	2361	S/MH (C0/180)	0.51
NOMINAL POWER (W)	11.0	LOR (%)	100.0	S/MH (C90/270)	0.50
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	782.59	η UP, DN (C0-180)	0.0, 51.4
NOMINAL FLUX (lm)	782.59	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 48.6
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.50



C Range: 0 - 360DEG
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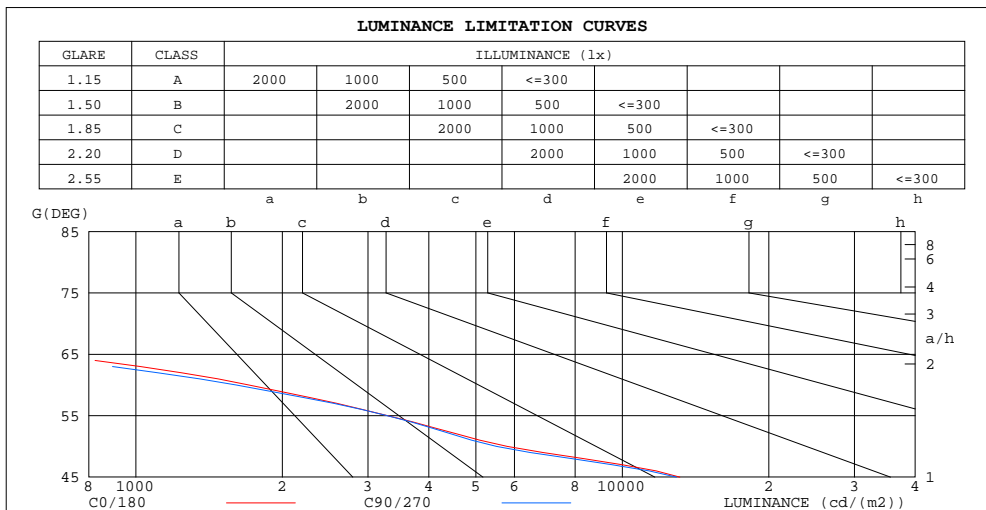
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**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1942	1995	1997	1966	1916	1893	1906	1917	0- 10	205.2	205.2	26.2,26.2
20	717.2	718.7	753.2	771.0	672.7	591.7	653.9	731.9	10- 20	365.3	570.5	72.9,72.9
30	136.0	128.4	136.1	145.5	126.3	109.3	127.8	146.7	20- 30	145.0	715.5	91.4,91.4
40	39.76	39.42	39.34	38.92	36.74	34.02	37.48	40.78	30- 40	45.89	761.4	97.3,97.3
50	8.852	8.624	8.412	8.500	7.995	7.151	8.353	9.049	40- 50	16.30	777.7	99.4,99.4
60	2.024	1.987	1.906	2.045	1.931	1.745	2.051	2.181	50- 60	4.083	781.8	99.9,99.9
70	0.1225	0.0983	0.1248	0.1005	0.0786	0.0919	0.0808	0.1225	60- 70	0.7128	782.5	100,100
80	0.0547	0.0350	0.0547	0.0350	0.0284	0.0394	0.0306	0.0481	70- 80	0.0686	782.6	100,100
90	0.0306	0.0284	0.0306	0.0284	0.0175	0.0197	0.0197	0.0197	80- 90	0.0338	782.6	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	201	190
80	133	133
75	132	135
70	151	154
65	658	562
60	1705	1605
55	3293	3287
50	5799	5511
45	13129	12923

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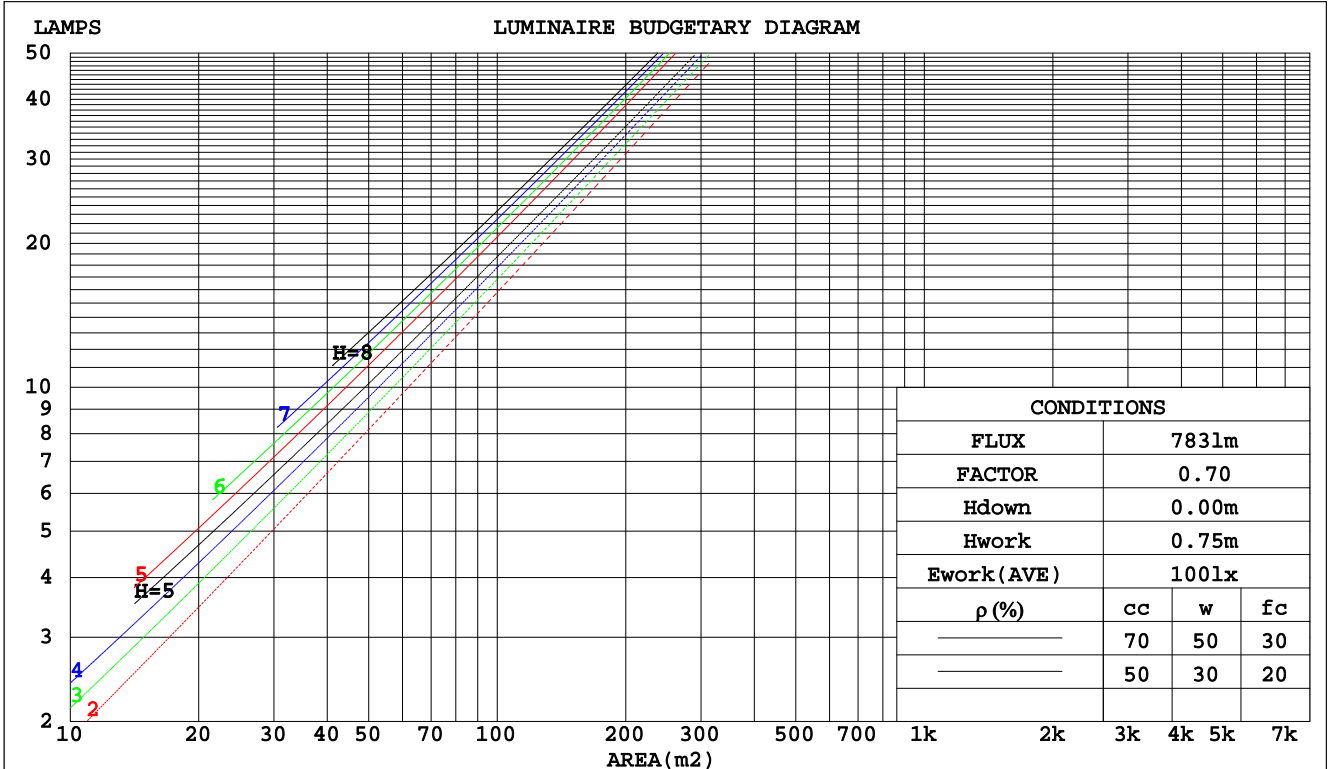
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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SPEC.:3000K	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	.00
1.0	1.12	1.10	1.09	1.10	1.08	1.07	1.06	1.05	1.04	1.03	1.02	1.01	.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	1.02	.98	.94	1.00	.97	.94	.98	.95	.92	.95	.93	.91	.93	.91	.90	.88
4.0	.97	.93	.89	.96	.92	.89	.94	.91	.88	.92	.89	.87	.90	.88	.86	.85
5.0	.93	.88	.85	.92	.88	.85	.90	.87	.84	.89	.86	.83	.87	.85	.83	.81
6.0	.89	.85	.81	.88	.84	.81	.87	.83	.80	.86	.82	.80	.85	.82	.79	.78
7.0	.86	.81	.78	.85	.81	.78	.84	.80	.77	.83	.79	.77	.82	.79	.77	.75
8.0	.83	.78	.75	.82	.78	.75	.81	.77	.74	.80	.77	.74	.79	.76	.74	.73
9.0	.80	.75	.72	.79	.75	.72	.78	.75	.72	.78	.74	.72	.77	.74	.71	.70
10.0	.77	.73	.70	.77	.72	.70	.76	.72	.69	.75	.72	.69	.75	.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	.146	.083	.026	.139	.079	.025	.127	.073	.023	.115	.067	.021	.105	.061	.020	
2.0	.136	.075	.023	.131	.072	.022	.121	.067	.021	.111	.062	.020	.102	.058	.018	
3.0	.128	.068	.020	.124	.066	.020	.115	.062	.019	.107	.059	.018	.099	.055	.017	
4.0	.121	.063	.018	.117	.061	.018	.110	.058	.017	.103	.055	.017	.096	.052	.016	
5.0	.114	.058	.017	.111	.057	.017	.105	.054	.016	.099	.052	.016	.093	.050	.015	
6.0	.109	.054	.016	.106	.053	.015	.100	.051	.015	.095	.049	.015	.090	.048	.014	
7.0	.103	.051	.014	.101	.050	.014	.096	.049	.014	.092	.047	.014	.088	.045	.013	
8.0	.099	.048	.014	.097	.048	.013	.092	.046	.013	.088	.045	.013	.085	.044	.013	
9.0	.095	.046	.013	.093	.045	.013	.089	.044	.012	.085	.043	.012	.082	.042	.012	
10.0	.091	.044	.012	.089	.043	.012	.086	.042	.012	.083	.041	.012	.080	.040	.011	

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						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	.107	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.115	.086	.064	.099	.074	.056	.068	.052	.040	.039	.031	.023	.013	.010	.008	
6.0	.107	.076	.054	.092	.066	.047	.063	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.099	.068	.046	.085	.059	.040	.059	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.093	.062	.040	.080	.053	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.088	.056	.035	.076	.049	.030	.052	.034	.021	.030	.020	.013	.010	.007	.004	
10.0	.083	.051	.030	.071	.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	12.5	13.3	12.8	13.4	13.6	12.5	13.2	12.7	13.4	13.5
3H	12.4	13.1	12.6	13.2	13.4	12.4	13.0	12.6	13.2	13.4
4H	12.3	12.9	12.6	13.2	13.4	12.3	12.9	12.5	13.1	13.3
6H	12.2	12.8	12.5	13.1	13.3	12.2	12.8	12.5	13.0	13.3
8H	12.2	12.8	12.5	13.0	13.3	12.1	12.7	12.4	13.0	13.2
12H	12.1	12.7	12.4	13.0	13.2	12.1	12.7	12.4	12.9	13.2
4H 2H	12.3	13.0	12.6	13.2	13.4	12.3	12.9	12.6	13.1	13.4
3H	12.2	12.7	12.5	13.0	13.2	12.1	12.7	12.4	12.9	13.2
4H	12.1	12.6	12.4	12.9	13.2	12.0	12.5	12.4	12.8	13.1
6H	12.0	12.4	12.3	12.7	13.1	11.9	12.4	12.3	12.7	13.0
8H	11.9	12.3	12.3	12.7	13.0	11.9	12.3	12.3	12.6	13.0
12H	11.9	12.2	12.3	12.6	13.0	11.8	12.2	12.2	12.6	13.0
8H 4H	11.9	12.3	12.3	12.7	13.0	11.9	12.3	12.3	12.6	13.0
6H	11.8	12.1	12.2	12.5	12.9	11.8	12.1	12.2	12.5	12.9
8H	11.7	12.0	12.2	12.5	12.9	11.7	12.0	12.2	12.4	12.9
12H	11.7	11.9	12.1	12.4	12.9	11.6	11.9	12.1	12.3	12.8
12H 4H	11.9	12.2	12.3	12.6	13.0	11.8	12.2	12.2	12.6	13.0
6H	11.7	12.0	12.2	12.5	12.9	11.7	12.0	12.2	12.4	12.9
8H	11.7	11.9	12.1	12.4	12.9	11.6	11.9	12.1	12.3	12.8
Variations with the observer position at spacings:										
S = 1.0H	+ 2.9 / - 9.6					+ 2.8 / - 9.6				
1.5H	+ 4.5 / - 7.0					+ 4.5 / - 7.0				
2.0H	+ 6.2 / - 9.7					+ 6.2 / -10.1				

CIE Pub.117 Corrected 782.6 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.9)

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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	92	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

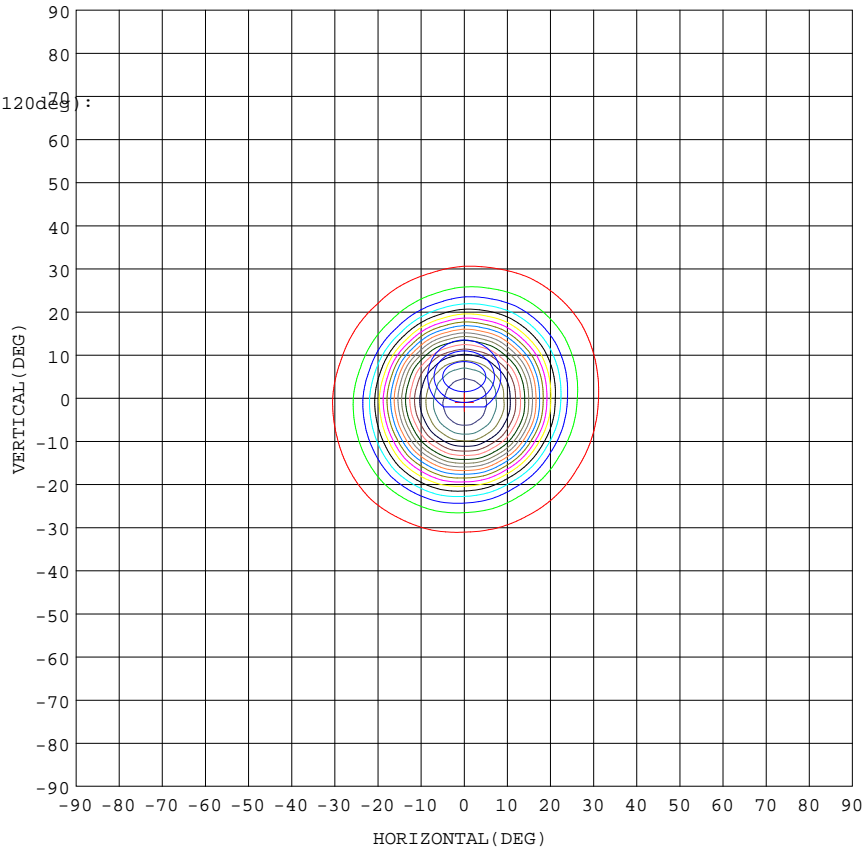
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Conical surface Flux(90deg):

772.05 lm
%lum = 98.7%
%lamp = 98.7%

Conical surface Flux(120deg):

781.77 lm
%lum = 99.9%
%lamp = 99.9%



1. AVG=2185, MIN=2025
2. AVG=2138, MIN=1813
3. AVG=2068, MIN=1523

Imax:2361(H0.0,V-1.0)
(At:C=90.0,Gamma=1.0)
UNIT: cd

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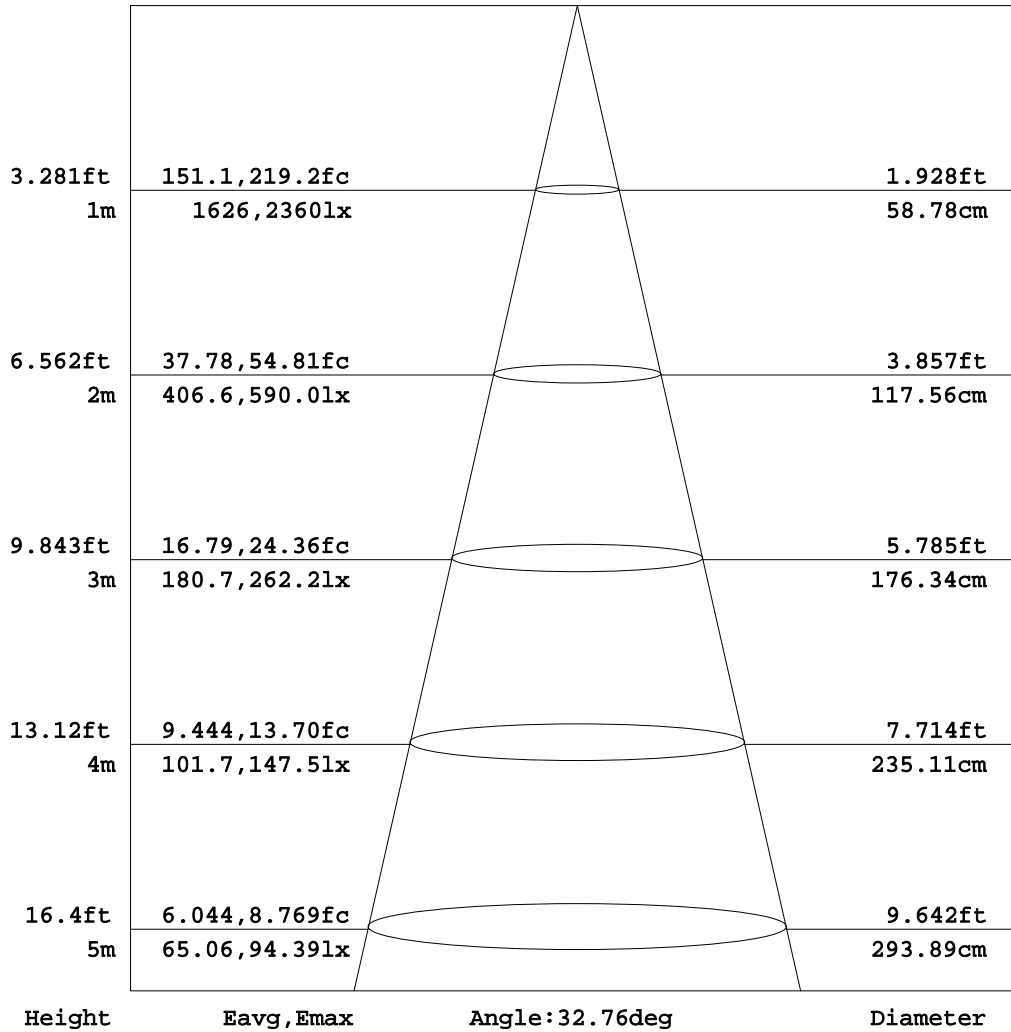
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AAI Figure

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Flux out:477.6 lm



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

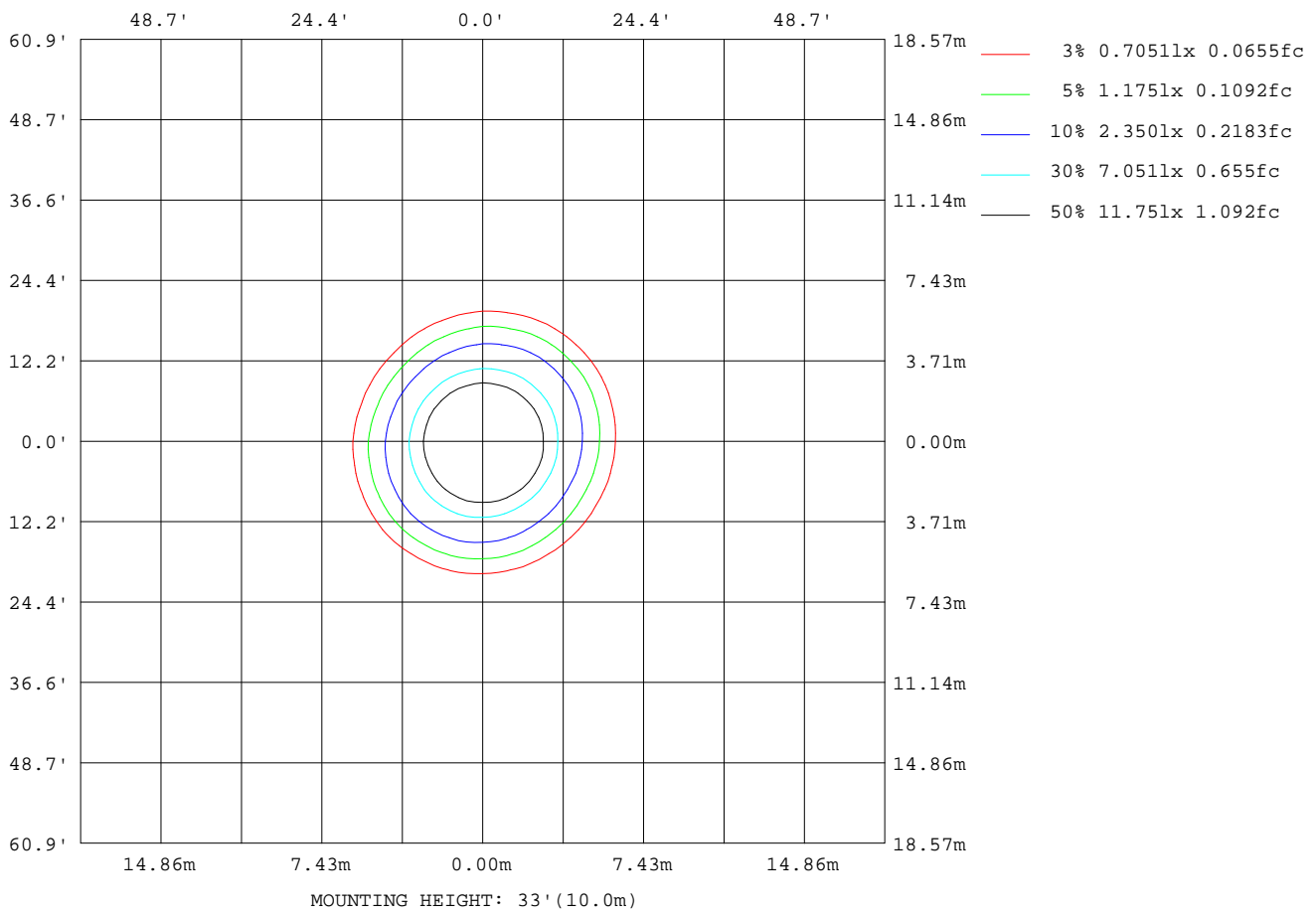
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ISOLUX DIAGRAM

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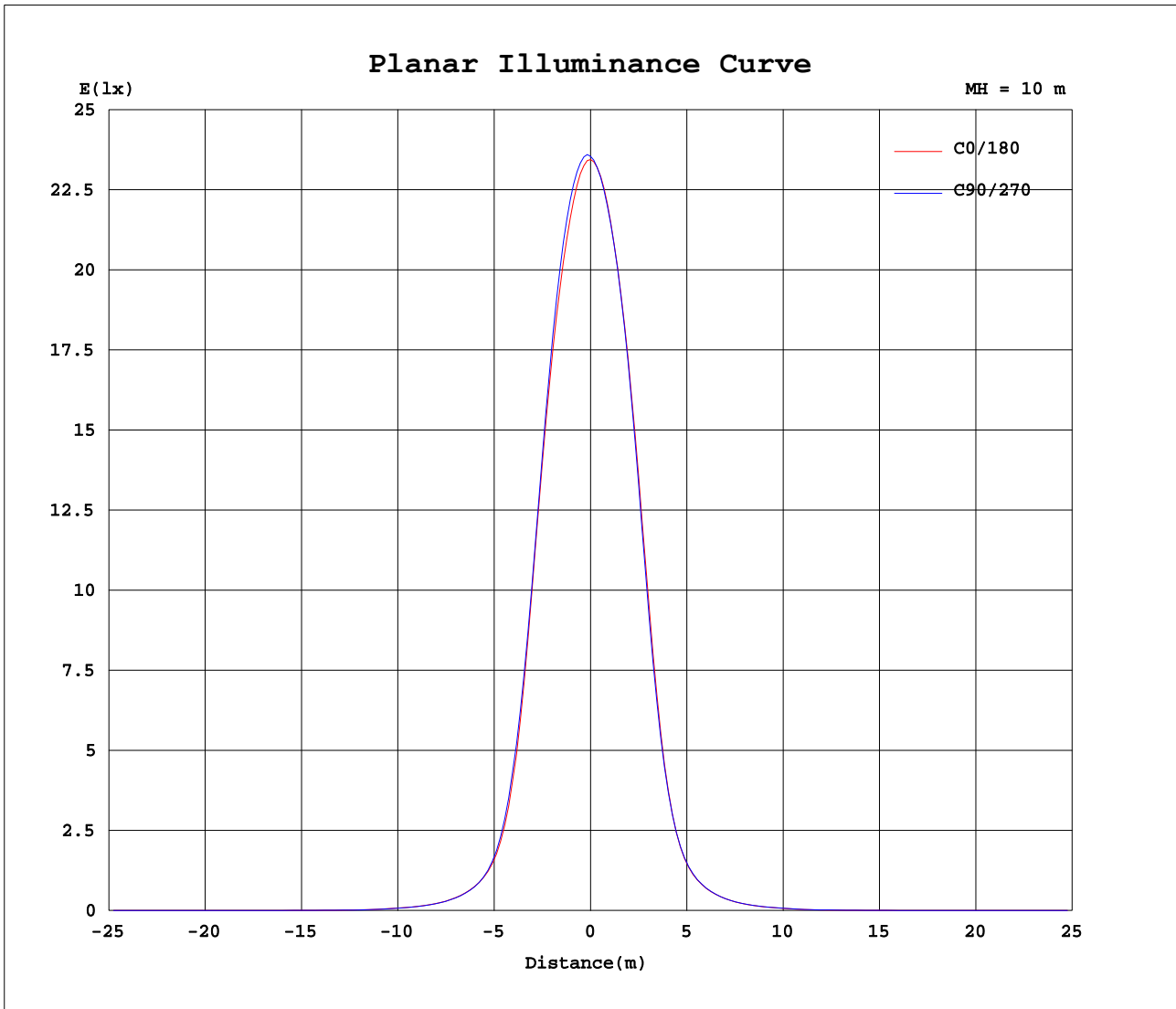


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Planar Illuminance Curve



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GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.0538A P:10.71W PF:0.9016 Lamp Flux:782.59x1 lm		
NAME: K1X55-9W-930-36D	TYPE:Spotlight	SERIAL No.:
SPEC.:3000K	DIM.: φ88mm*H125mm	
MFR.: NEKO LIGHTING AG		

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	2345	2347	2350	2350	2352	2353	2355	2354	2355	2355	2356	2357	2345	2347	2350	2350	2352	2353	2355
5	2242	2260	2266	2282	2286	2297	2294	2294	2282	2274	2257	2250	2231	2218	2222	2216	2221	2218	2224
10	1942	1969	1977	1995	1993	2009	1997	1998	1973	1966	1939	1931	1916	1897	1907	1893	1904	1893	1906
15	1407	1441	1434	1450	1431	1446	1427	1443	1418	1411	1370	1356	1351	1320	1324	1298	1308	1292	1320
20	717	725	706	719	716	747	753	785	779	771	722	690	673	625	611	592	603	610	654
25	291	278	263	270	277	299	311	332	333	331	305	283	267	236	225	216	229	242	269
30	136	132	126	128	128	136	136	143	143	145	137	131	126	115	111	109	113	117	128
35	73.5	72.6	70.0	71.0	71.3	72.5	71.7	73.3	72.8	72.6	69.1	67.2	67.5	64.2	62.5	62.3	63.6	64.9	68.0
40	39.8	39.8	39.0	39.4	39.0	39.7	39.3	39.9	39.3	38.9	37.1	36.3	36.7	35.0	34.8	34.0	34.8	35.4	37.5
45	22.0	22.2	21.8	21.9	21.5	21.9	21.7	22.1	21.8	21.6	20.6	20.0	20.2	19.1	19.1	18.7	19.3	19.7	21.0
50	8.85	8.99	8.70	8.62	8.37	8.51	8.41	8.58	8.48	8.50	8.11	7.88	7.99	7.39	7.28	7.15	7.49	7.76	8.35
55	4.49	4.54	4.47	4.47	4.44	4.53	4.48	4.53	4.45	4.48	4.26	4.17	4.25	3.78	3.77	3.87	4.10	4.23	4.55
60	2.02	2.02	2.00	1.99	1.98	1.99	1.91	1.95	1.99	2.05	1.94	1.92	1.93	1.65	1.67	1.74	1.87	1.88	2.05
65	0.66	0.63	0.65	0.67	0.59	0.56	0.56	0.60	0.59	0.59	0.56	0.56	0.54	0.47	0.49	0.49	0.51	0.50	0.57
70	0.12	0.10	0.12	0.10	0.12	0.10	0.12	0.10	0.12	0.10	0.12	0.09	0.08	0.09	0.07	0.09	0.07	0.09	0.08
75	0.08	0.06	0.08	0.06	0.08	0.06	0.08	0.06	0.08	0.06	0.08	0.05	0.04	0.06	0.04	0.06	0.03	0.06	0.04
80	0.05	0.03	0.06	0.03	0.06	0.03	0.05	0.03	0.06	0.03	0.05	0.03	0.03	0.04	0.02	0.04	0.03	0.05	0.03
85	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.02
90	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02

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:220.8V I:0.0538A P:10.71W PF:0.9016 Lamp Flux:782.59x1 lm		
NAME: K1X55-9W-930-36D	TYPE:Spotlight	SERIAL No.:
SPEC.:3000K	DIM.: φ88mm*H125mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	2354	2355	2355	2356	2357													
5	2220	2230	2230	2242	2248													
10	1900	1919	1917	1942	1952													
15	1320	1360	1371	1407	1415													
20	674	722	732	755	740													
25	286	314	322	329	314													
30	133	143	147	150	144													
35	70.1	74.3	75.8	76.7	75.3													
40	38.4	40.5	40.8	41.2	40.2													
45	21.5	22.7	22.7	22.9	22.3													
50	8.60	9.09	9.05	9.12	8.91													
55	4.67	4.88	4.70	4.64	4.48													
60	2.17	2.31	2.18	2.11	2.04													
65	0.62	0.69	0.66	0.71	0.72													
70	0.11	0.09	0.12	0.10	0.12													
75	0.07	0.05	0.07	0.06	0.08													
80	0.05	0.03	0.05	0.03	0.05													
85	0.03	0.02	0.03	0.02	0.03													
90	0.02	0.02	0.02	0.02	0.02													

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 15.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Temperature:25.3DEG	Humidity:52%
Operators:Meng Yongjian	Test Distance:5.850m [K=1.0000]
Test Date:2017-08-30	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	2345	2347	2350	2350	2352	2353	2355	2354	2355	2355
3.0	2310	2322	2328	2337	2340	2345	2343	2343	2336	2330
6.0	2197	2217	2224	2242	2246	2258	2256	2255	2242	2234
9.0	2017	2045	2052	2072	2072	2087	2078	2078	2054	2049
12.0	1760	1789	1793	1811	1803	1818	1801	1807	1780	1777
15.0	1407	1441	1434	1450	1431	1446	1427	1443	1418	1411
18.0	985.0	1006	990.6	1008	995.2	1018	1011	1037	1020	1017
21.0	600.6	606.2	591.8	596.3	593.4	629.4	639.9	675.6	669.7	664.6
24.0	348.7	337.6	319.3	327.6	333.5	360.4	375.1	401.5	400.7	397.6
27.0	207.4	198.1	187.5	192.2	197.1	210.9	217.0	230.8	231.0	232.4
30.0	136.0	132.3	125.9	128.4	128.1	135.8	136.1	142.7	143.0	145.5
33.0	94.02	91.62	88.58	88.99	89.82	91.45	92.12	94.53	94.63	95.09
36.0	65.31	64.17	62.70	63.30	63.63	64.33	63.99	64.49	64.56	63.45
39.0	44.87	44.79	43.93	44.49	44.06	44.88	44.41	44.95	44.29	43.87
42.0	31.31	31.47	30.95	31.14	30.73	31.18	31.06	31.59	31.19	30.78
45.0	22.05	22.18	21.76	21.88	21.54	21.92	21.70	22.11	21.83	21.61
48.0	13.21	13.50	13.10	13.18	12.68	12.81	12.48	12.70	12.41	12.36
51.0	7.607	7.676	7.443	7.336	7.208	7.345	7.323	7.463	7.410	7.430
54.0	5.162	5.227	5.142	5.120	5.065	5.179	5.124	5.190	5.122	5.142
57.0	3.349	3.354	3.303	3.339	3.329	3.387	3.299	3.358	3.305	3.345
60.0	2.024	2.019	1.998	1.987	1.978	1.995	1.906	1.949	1.991	2.045
63.0	1.101	1.089	1.125	1.141	1.064	1.001	0.9653	0.9971	1.038	1.071
66.0	0.4830	0.4512	0.4483	0.4709	0.4153	0.3967	0.3976	0.4272	0.4045	0.3834
69.0	0.1315	0.1049	0.1271	0.1092	0.1315	0.1136	0.1401	0.1136	0.1379	0.1136
72.0	0.0985	0.0764	0.0985	0.0787	0.1029	0.0830	0.1072	0.0808	0.1051	0.0786
75.0	0.0810	0.0590	0.0788	0.0633	0.0810	0.0612	0.0832	0.0634	0.0831	0.0589
78.0	0.0656	0.0437	0.0656	0.0437	0.0635	0.0458	0.0657	0.0415	0.0656	0.0415
81.0	0.0525	0.0328	0.0504	0.0328	0.0525	0.0328	0.0525	0.0328	0.0504	0.0350
84.0	0.0438	0.0328	0.0438	0.0328	0.0416	0.0306	0.0438	0.0328	0.0416	0.0306
87.0	0.0372	0.0241	0.0350	0.0306	0.0350	0.0284	0.0350	0.0284	0.0350	0.0284
90.0	0.0306	0.0241	0.0284	0.0284	0.0284	0.0284	0.0306	0.0284	0.0284	0.0284
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	2356	2357	2345	2347	2350	2352	2353	2355	2354	2355
3.0	2321	2317	2301	2294	2296	2291	2294	2293	2298	2297
6.0	2214	2204	2183	2170	2177	2169	2174	2173	2179	2173
9.0	2023	2013	1995	1980	1988	1977	1988	1978	1990	1985
12.0	1741	1733	1722	1700	1710	1691	1701	1686	1707	1700
15.0	1370	1356	1351	1320	1324	1298	1308	1292	1320	1320
18.0	966.0	943.9	931.6	887.1	879.9	848.7	865.6	861.8	901.3	911.8
21.0	614.6	583.6	562.2	523.3	499.7	475.0	494.5	514.6	551.4	578.8
24.0	365.2	339.9	320.6	284.0	271.5	259.3	274.5	288.3	321.2	341.0
27.0	216.0	201.4	190.9	170.8	164.0	159.0	167.4	175.6	193.6	204.9
30.0	137.3	130.7	126.3	115.1	111.3	109.3	113.4	117.2	127.8	132.6
33.0	90.77	87.02	86.12	81.07	78.83	77.83	80.42	82.07	86.76	89.99
36.0	61.17	59.09	59.67	56.38	55.67	54.93	56.31	57.24	60.28	62.45
39.0	41.84	40.98	41.51	39.46	39.19	38.38	39.26	39.91	42.30	43.20
42.0	29.41	28.59	28.92	27.55	27.38	26.79	27.45	27.97	29.66	30.53
45.0	20.58	20.02	20.24	19.10	19.12	18.72	19.33	19.72	20.96	21.52
48.0	11.57	11.19	11.39	10.56	10.56	10.28	10.78	11.05	12.02	12.35
51.0	7.127	6.930	6.998	6.468	6.351	6.320	6.623	6.891	7.370	7.549
54.0	4.897	4.792	4.852	4.372	4.345	4.420	4.679	4.862	5.210	5.317
57.0	3.178	3.136	3.183	2.768	2.765	2.888	3.071	3.155	3.410	3.542
60.0	1.941	1.917	1.931	1.649	1.669	1.745	1.866	1.883	2.051	2.172
63.0	1.022	0.9991	0.9897	0.8550	0.8829	0.9099	0.9460	0.9559	1.046	1.138
66.0	0.3478	0.3527	0.3479	0.2880	0.3000	0.2968	0.3175	0.3056	0.3655	0.4042
69.0	0.1313	0.1004	0.0874	0.1028	0.0764	0.1007	0.0786	0.1029	0.0939	0.1226
72.0	0.0985	0.0656	0.0655	0.0766	0.0524	0.0788	0.0546	0.0831	0.0655	0.0876
75.0	0.0766	0.0502	0.0415	0.0591	0.0371	0.0591	0.0350	0.0635	0.0415	0.0700
78.0	0.0591	0.0350	0.0306	0.0503	0.0284	0.0481	0.0284	0.0503	0.0306	0.0525
81.0	0.0481	0.0306	0.0262	0.0372	0.0218	0.0372	0.0197	0.0394	0.0284	0.0459
84.0	0.0394	0.0306	0.0175	0.0328	0.0175	0.0307	0.0197	0.0328	0.0218	0.0350
87.0	0.0350	0.0306	0.0175	0.0241	0.0175	0.0241	0.0197	0.0263	0.0197	0.0263
90.0	0.0306	0.0306	0.0175	0.0197	0.0175	0.0197	0.0197	0.0197	0.0197	0.0197
G/C	300.0	315.0	330.0	345.0						
0.0	2355	2355	2356	2357						
3.0	2304	2305	2313	2318						
6.0	2183	2184	2198	2201						
9.0	1998	1996	2018	2028						
12.0	1726	1730	1758	1766						
15.0	1360	1371	1407	1415						
18.0	961.4	973.3	1006	1002						
21.0	616.2	627.2	644.7	626.4						

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	373.2	382.3	391.1	373.9
27.0	223.2	229.9	235.5	224.0
30.0	143.1	146.7	150.0	143.6
33.0	95.32	98.10	99.77	97.54
36.0	65.43	66.47	67.13	65.76
39.0	45.47	45.88	46.45	45.30
42.0	32.06	32.29	32.56	31.74
45.0	22.65	22.73	22.86	22.25
48.0	13.26	13.28	13.62	13.33
51.0	7.891	7.811	7.811	7.604
54.0	5.527	5.383	5.293	5.153
57.0	3.707	3.538	3.445	3.347
60.0	2.309	2.181	2.106	2.043
63.0	1.234	1.197	1.197	1.172
66.0	0.4614	0.4392	0.4942	0.5264
69.0	0.1091	0.1336	0.1157	0.1358
72.0	0.0720	0.0985	0.0808	0.1006
75.0	0.0481	0.0723	0.0567	0.0766
78.0	0.0350	0.0569	0.0371	0.0591
81.0	0.0327	0.0459	0.0306	0.0503
84.0	0.0175	0.0372	0.0240	0.0350
87.0	0.0175	0.0284	0.0197	0.0285
90.0	0.0175	0.0197	0.0197	0.0197

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C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
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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]
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