

LED Tracklight PURE Art-15W-930-24D



Light Output Ratio:	100.0%	
Luminaire Power:	15.09 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	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

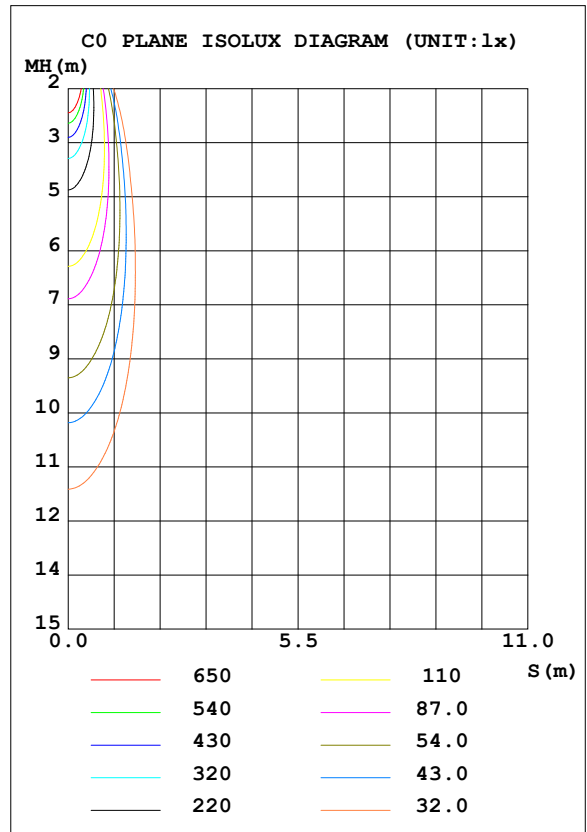
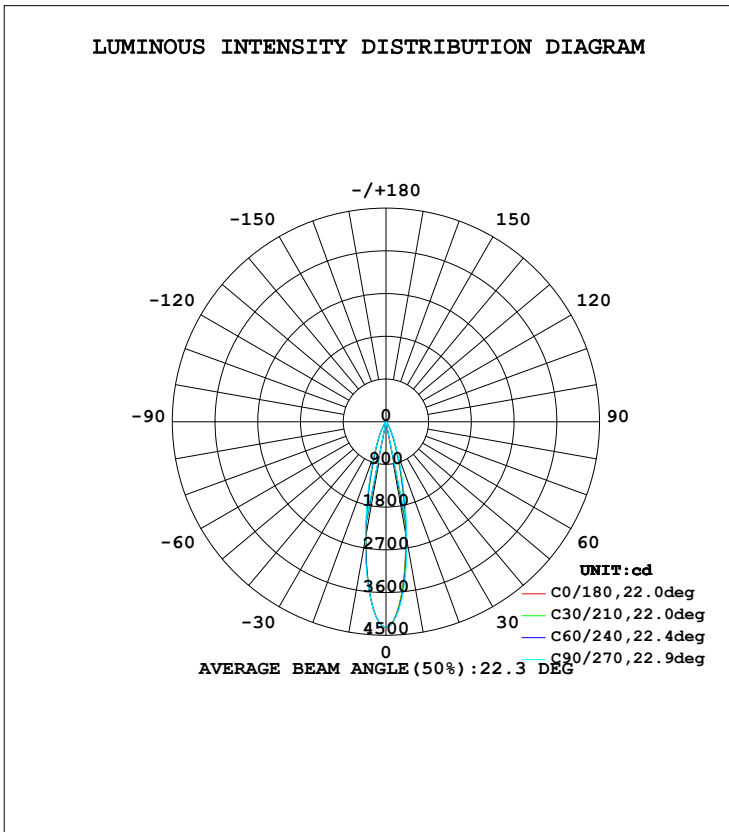
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity: 52%
 Test Distance: 5.850m [K=1.0000]
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.0714A P:15.09W PF:0.9569 Lamp Flux:930.304x1 lm		
NAME: PURE Art-15W-930-24D	TYPE:Tracklight	SERIAL No.:
SPEC.:3000K	DIM.: φ55mm*H150mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 61.66 lm/W			
MODEL	CITIZEN-3000K	I _{max} (cd)	4332	S/MH (C0/180)	0.38
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	0.39
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	930.30	η UP, DN (C0-180)	0.0, 50.3
NOMINAL FLUX (lm)	930.304	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.7
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



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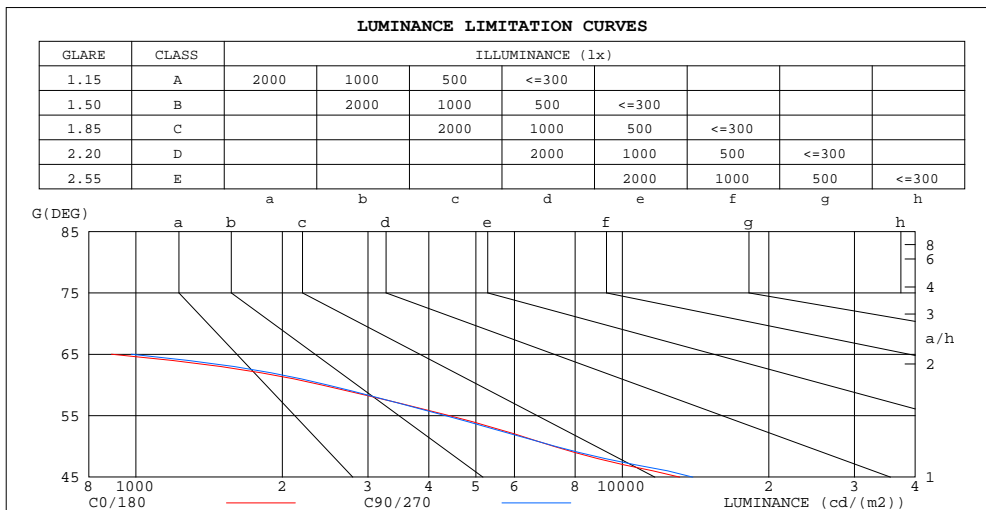
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**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2393	2473	2536	2518	2458	2412	2514	2464	0- 10	314.3	314.3	33.8,33.8
20	636.0	660.3	719.4	706.5	646.9	637.9	711.6	698.0	10- 20	376.9	691.2	74.3,74.3
30	148.5	166.1	177.9	167.5	155.2	153.6	156.2	144.5	20- 30	164.0	855.2	91.9,91.9
40	38.74	42.82	43.76	42.65	40.58	39.23	39.23	38.12	30- 40	50.47	905.7	97.4,97.4
50	11.05	11.29	11.13	11.83	10.80	11.50	11.51	10.72	40- 50	17.72	923.4	99.3,99.3
60	2.860	2.793	2.939	2.823	2.661	3.001	3.029	2.796	50- 60	5.600	929.0	99.9,99.9
70	0.2145	0.1922	0.2254	0.2228	0.2075	0.1991	0.1922	0.2276	60- 70	1.100	930.1	100,100
80	0.0854	0.0611	0.0854	0.0743	0.0655	0.0766	0.0612	0.0832	70- 80	0.1392	930.3	100,100
90	0.0328	0.0306	0.0350	0.0350	0.0219	0.0219	0.0219	0.0219	80- 90	0.0506	930.3	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	264	265
80	207	207
75	221	224
70	264	278
65	891	978
60	2409	2475
55	4412	4333
50	7237	7291
45	13118	13962

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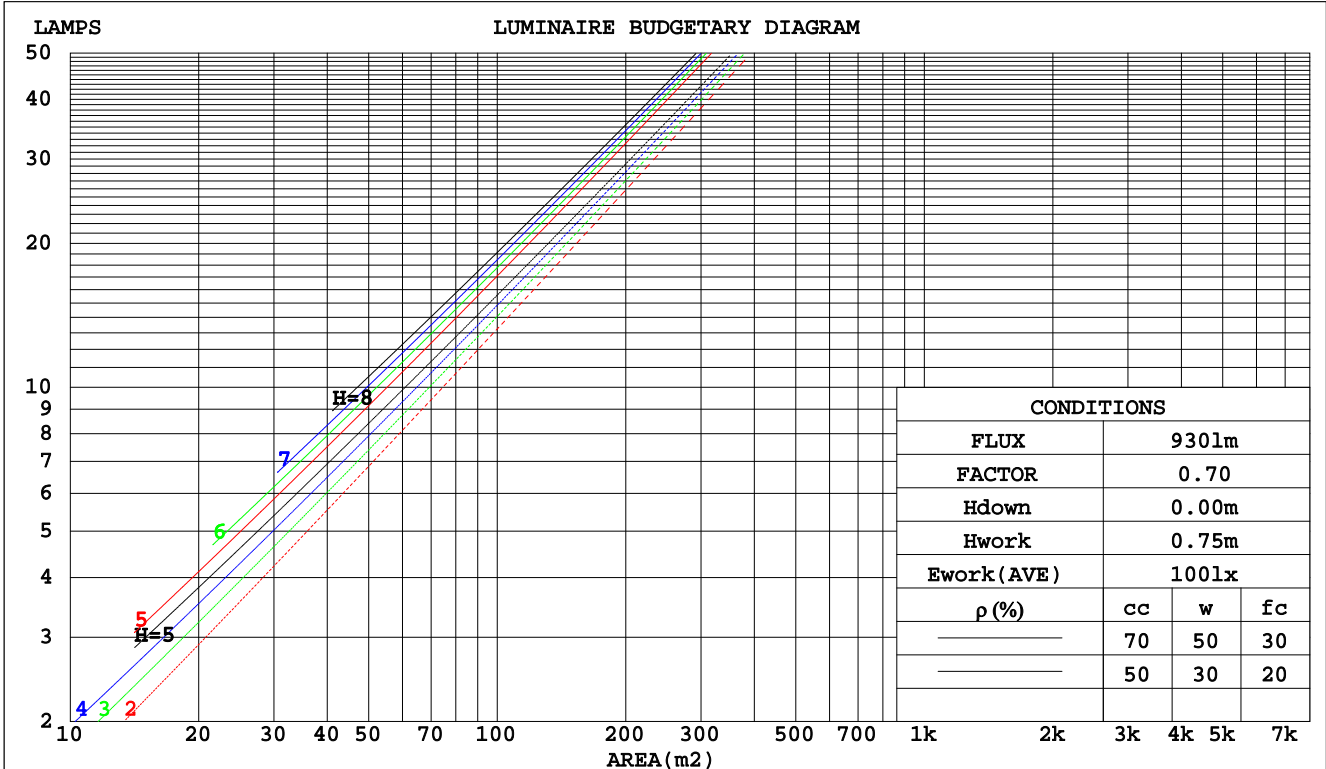
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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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	1.13	1.11	1.09	1.11	1.09	1.07	1.07	1.05	1.04	1.03	1.02	1.01	.00	.99	.98	.96
2.0	1.07	1.04	1.01	1.05	1.03	1.00	1.02	1.00	.98	.99	.98	.96	.97	.95	.94	.93
3.0	1.02	.98	.95	1.01	.98	.95	.98	.96	.93	.96	.94	.92	.94	.92	.91	.89
4.0	.98	.94	.91	.97	.93	.90	.95	.92	.89	.93	.90	.88	.91	.89	.87	.86
5.0	.94	.90	.87	.93	.89	.86	.92	.88	.86	.90	.87	.85	.89	.86	.84	.83
6.0	.91	.86	.83	.90	.86	.83	.89	.85	.82	.87	.84	.82	.86	.83	.81	.80
7.0	.87	.83	.80	.87	.83	.80	.86	.82	.79	.85	.81	.79	.84	.81	.79	.78
8.0	.85	.80	.77	.84	.80	.77	.83	.79	.77	.82	.79	.77	.81	.78	.76	.75
9.0	.82	.78	.75	.81	.77	.75	.81	.77	.74	.80	.77	.74	.79	.76	.74	.73
10.0	.79	.75	.72	.79	.75	.72	.78	.75	.72	.78	.74	.72	.77	.74	.72	.71



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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	.141	.080	.025	.135	.077	.024	.122	.070	.022	.111	.064	.021	.100	.058	.019	
2.0	.132	.072	.022	.126	.070	.021	.116	.065	.020	.107	.060	.019	.098	.055	.017	
3.0	.123	.066	.020	.119	.064	.019	.110	.060	.018	.102	.056	.017	.095	.053	.016	
4.0	.116	.060	.018	.112	.059	.017	.105	.056	.017	.098	.053	.016	.092	.050	.015	
5.0	.109	.056	.016	.106	.054	.016	.100	.052	.015	.094	.050	.015	.089	.047	.014	
6.0	.104	.052	.015	.101	.051	.015	.095	.049	.014	.090	.047	.014	.086	.045	.013	
7.0	.099	.049	.014	.096	.048	.014	.091	.046	.013	.087	.045	.013	.083	.043	.013	
8.0	.094	.046	.013	.092	.045	.013	.088	.044	.013	.084	.042	.012	.080	.041	.012	
9.0	.090	.043	.012	.088	.043	.012	.084	.042	.012	.081	.041	.012	.078	.039	.011	
10.0	.086	.041	.011	.084	.041	.011	.081	.040	.011	.078	.039	.011	.075	.038	.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	.148	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.151	.133	.117	.129	.114	.101	.089	.079	.071	.051	.046	.041	.016	.015	.014	
3.0	.136	.113	.095	.117	.098	.082	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.124	.098	.078	.106	.085	.068	.073	.059	.048	.042	.035	.028	.014	.011	.009	
5.0	.114	.086	.065	.098	.074	.057	.067	.052	.040	.039	.030	.024	.013	.010	.008	
6.0	.105	.076	.055	.090	.066	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007	
7.0	.098	.068	.047	.084	.059	.041	.058	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.091	.061	.040	.078	.053	.035	.054	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.086	.055	.035	.074	.048	.031	.051	.034	.022	.030	.020	.013	.010	.007	.004	
10.0	.081	.051	.031	.070	.044	.027	.048	.031	.019	.028	.018	.011	.009	.006	.004	

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UGR(Unified Glare Rating) Table

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NAME: PURE Art-15W-930-24D	TYPE:Tracklight	SERIAL No.:
SPEC.:3000K	DIM.: φ55mm*H150mm	
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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	12.4	13.1	12.6	13.3	13.4	13.0	13.7	13.2	13.8	14.0
3H	12.3	12.9	12.5	13.1	13.3	12.9	13.5	13.1	13.7	13.9
4H	12.2	12.8	12.5	13.0	13.2	12.8	13.4	13.0	13.6	13.8
6H	12.1	12.7	12.4	12.9	13.2	12.7	13.3	13.0	13.5	13.7
8H	12.1	12.6	12.4	12.9	13.1	12.6	13.2	12.9	13.4	13.7
12H	12.0	12.6	12.3	12.8	13.1	12.6	13.1	12.9	13.4	13.7
4H 2H	12.2	12.8	12.5	13.1	13.3	12.8	13.4	13.1	13.6	13.8
3H	12.1	12.6	12.4	12.9	13.1	12.6	13.2	12.9	13.4	13.7
4H	12.0	12.5	12.3	12.8	13.1	12.5	13.0	12.9	13.3	13.6
6H	11.9	12.3	12.2	12.6	13.0	12.4	12.9	12.8	13.2	13.5
8H	11.8	12.2	12.2	12.6	12.9	12.4	12.8	12.8	13.1	13.5
12H	11.8	12.1	12.2	12.5	12.9	12.3	12.7	12.7	13.1	13.4
8H 4H	11.8	12.2	12.2	12.6	12.9	12.4	12.8	12.8	13.1	13.5
6H	11.7	12.0	12.1	12.4	12.8	12.3	12.6	12.7	13.0	13.4
8H	11.7	11.9	12.1	12.4	12.8	12.2	12.5	12.7	12.9	13.4
12H	11.6	11.8	12.1	12.3	12.8	12.1	12.4	12.6	12.8	13.3
12H 4H	11.8	12.1	12.2	12.5	12.9	12.3	12.7	12.7	13.1	13.4
6H	11.7	11.9	12.1	12.4	12.8	12.2	12.5	12.7	12.9	13.4
8H	11.6	11.8	12.1	12.3	12.8	12.1	12.4	12.6	12.8	13.3
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / - 7.6					+ 2.9 / - 8.3				
1.5H	+ 3.9 / - 5.6					+ 4.5 / - 6.1				
2.0H	+ 5.2 / - 7.8					+ 5.6 / - 8.4				

CIE Pub.117 Corrected 930.3 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.3)

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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

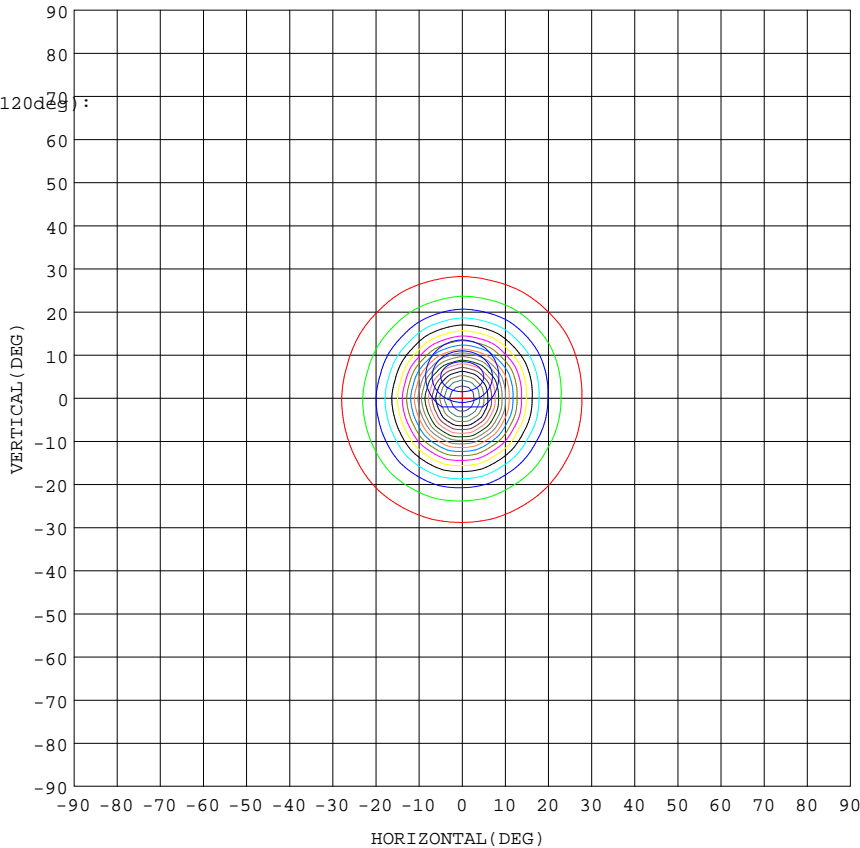
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Conical surface Flux(90deg):

916.96 lm
%lum = 98.6%
%lamp = 98.6%

Conical surface Flux(120deg):

929.01 lm
%lum = 99.9%
%lamp = 99.9%



1. AVG=3554, MIN=2884
2. AVG=3369, MIN=2261
3. AVG=3137, MIN=1699

Imax: 4332(H0.0, V0.0)
(At: C=0.0, Gamma=0.0)
UNIT: cd

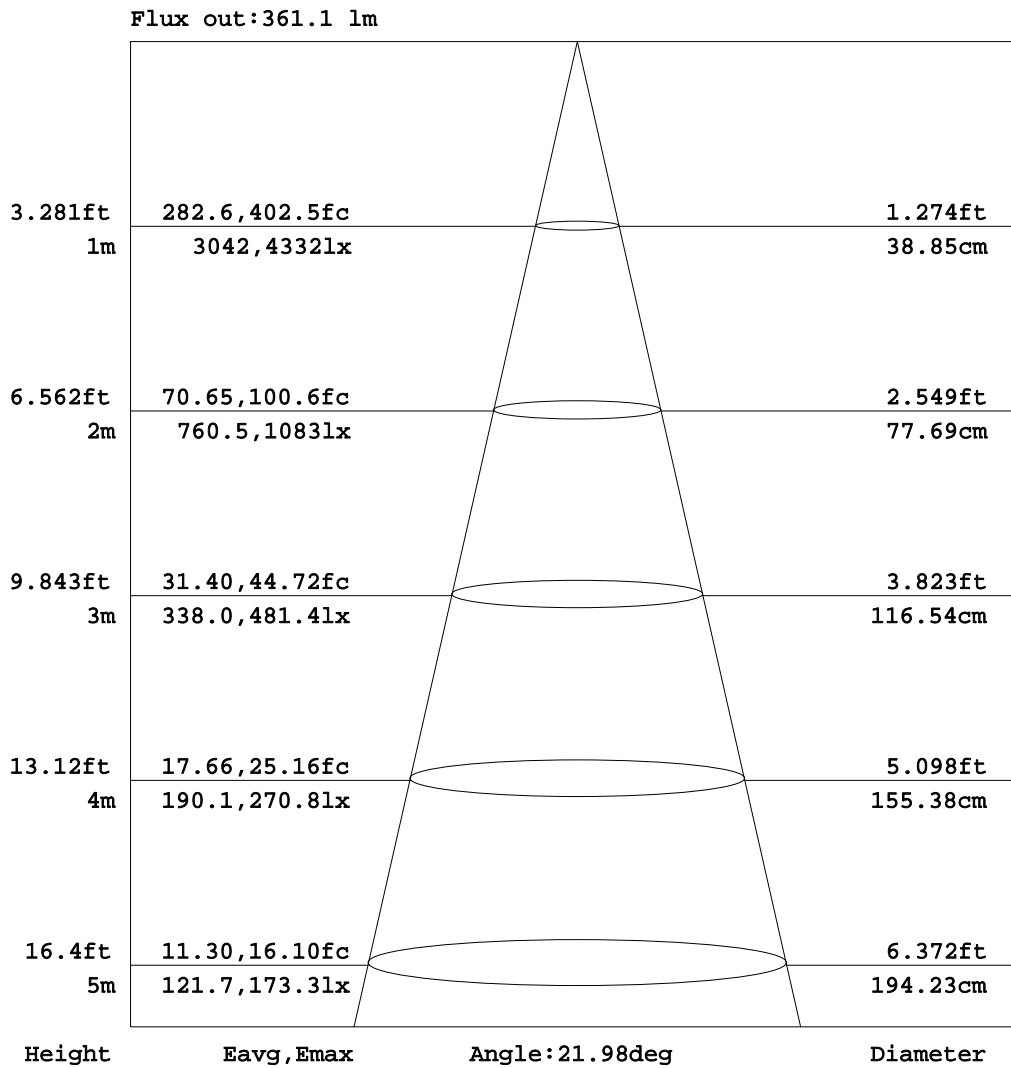
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AAI Figure

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

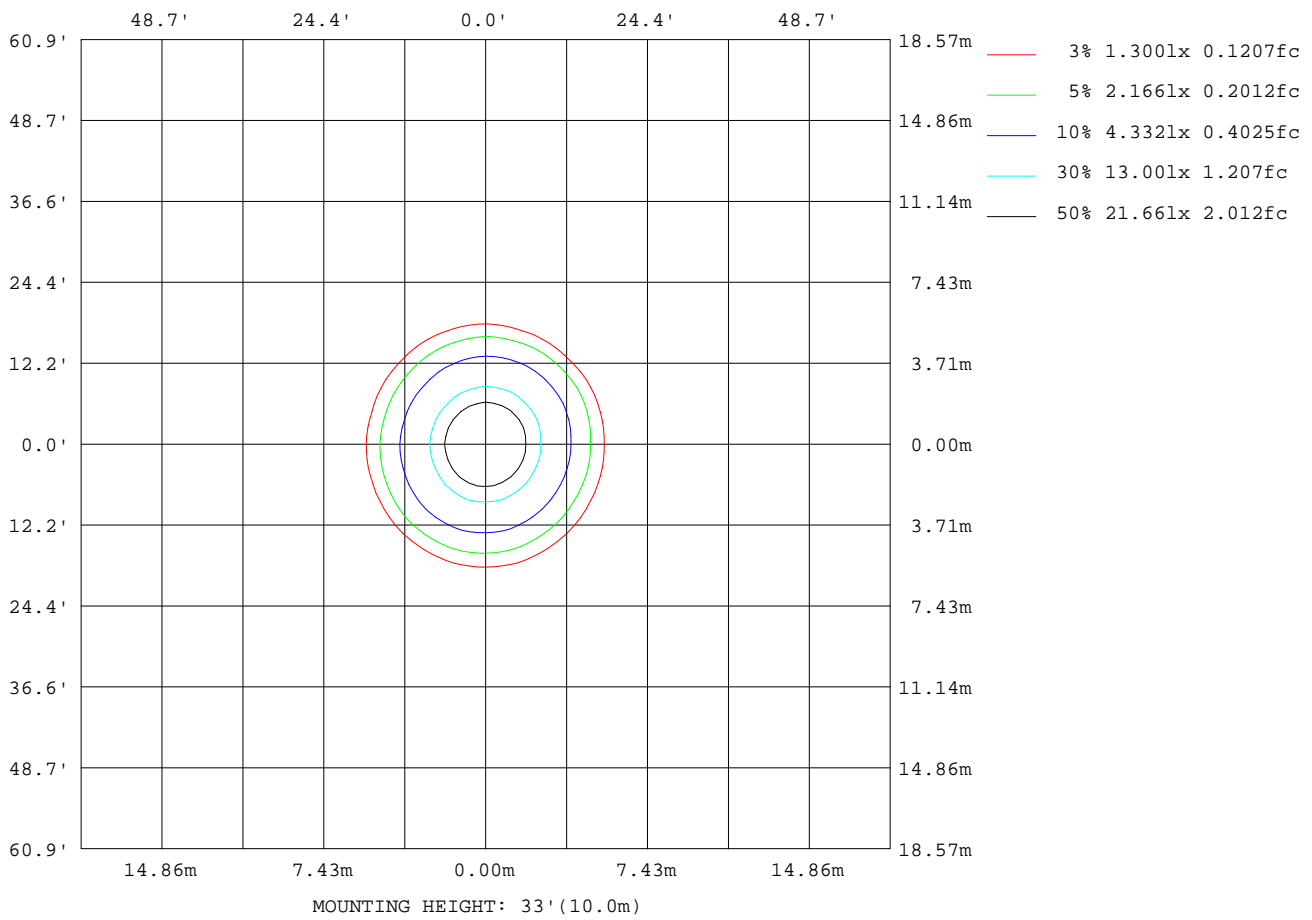
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ISOLUX DIAGRAM

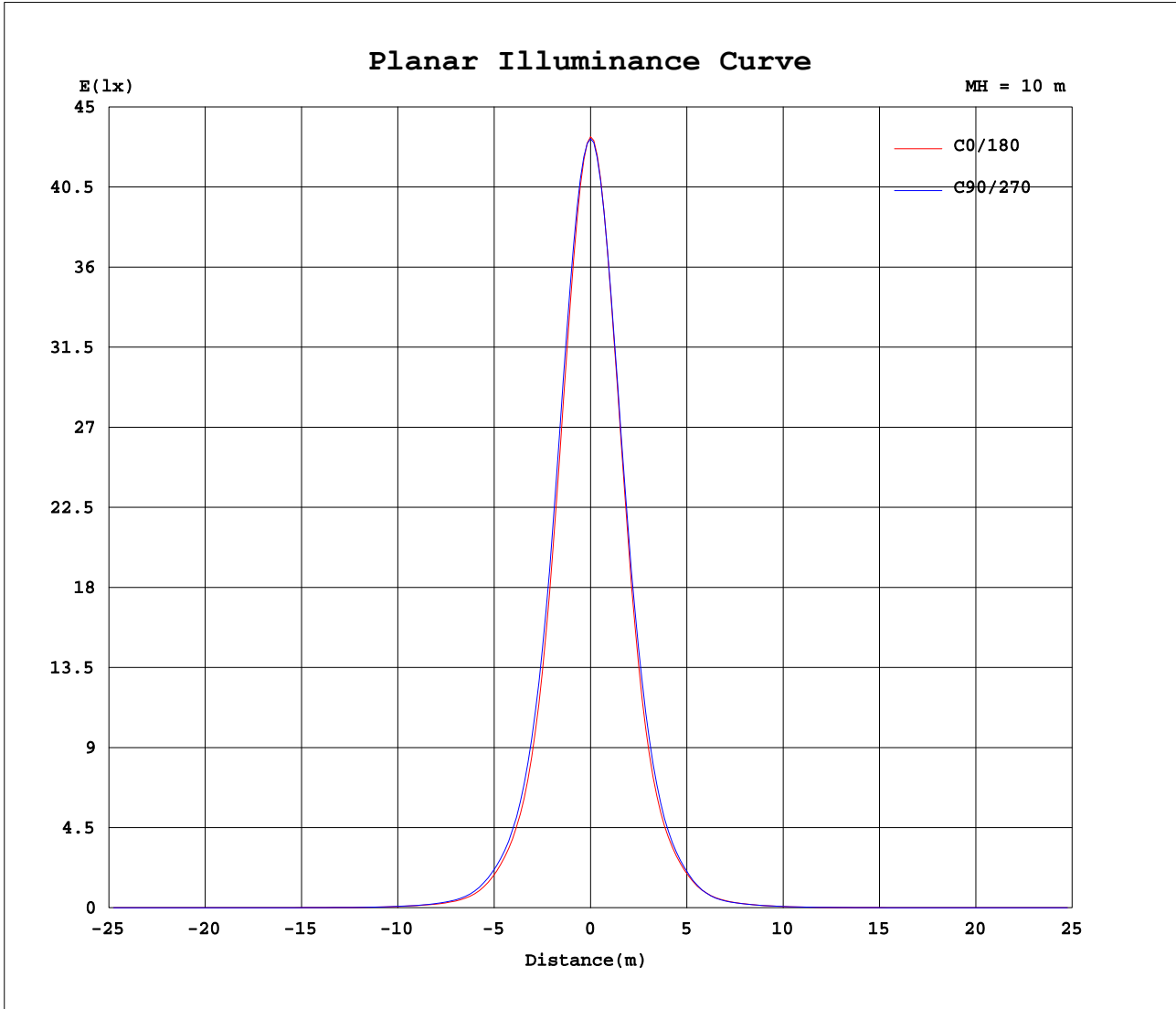
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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

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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	4332	4332	4329	4327	4325	4324	4322	4320	4319	4319	4318	4316	4332	4332	4329	4327	4325	4324	4322
5	3683	3717	3704	3749	3743	3788	3768	3793	3754	3755	3699	3702	3738	3698	3719	3692	3726	3707	3741
10	2393	2426	2413	2473	2472	2544	2536	2573	2523	2518	2440	2430	2458	2403	2438	2412	2471	2461	2514
15	1274	1291	1280	1347	1351	1417	1406	1446	1393	1390	1312	1295	1304	1263	1294	1292	1361	1358	1416
20	636	638	634	660	676	713	719	737	718	706	669	649	647	625	638	638	672	683	712
25	327	327	326	338	347	366	371	380	373	370	353	340	335	321	325	325	340	345	359
30	148	156	159	166	169	179	178	179	171	168	158	155	155	151	156	154	157	155	156
35	70.0	73.9	75.8	79.3	80.3	82.4	81.7	81.8	78.3	77.4	74.6	73.6	74.0	72.2	72.7	71.3	71.7	70.0	70.2
40	38.7	40.2	41.2	42.8	42.7	43.9	43.8	44.0	42.9	42.6	41.2	40.4	40.6	39.3	39.8	39.2	39.4	38.8	39.2
45	22.0	22.5	22.7	23.2	23.0	23.5	23.4	23.8	23.6	23.8	23.0	22.6	22.5	21.7	22.2	22.0	22.3	21.8	22.0
50	11.0	11.1	11.0	11.3	11.1	11.3	11.1	11.2	11.4	11.8	11.5	11.0	10.8	10.5	11.1	11.5	11.9	11.5	11.5
55	6.01	5.92	5.73	5.86	5.69	5.76	5.90	5.94	6.10	6.29	6.04	5.77	5.67	5.55	5.93	6.20	6.40	6.09	6.25
60	2.86	2.85	2.75	2.79	2.63	2.68	2.94	2.97	2.94	2.82	2.60	2.53	2.66	2.67	2.91	3.00	3.07	2.89	3.03
65	0.89	0.93	0.98	1.07	0.93	0.88	0.98	1.04	0.98	0.93	0.87	0.91	0.93	0.86	0.99	0.99	0.96	0.83	0.90
70	0.21	0.19	0.21	0.19	0.22	0.20	0.23	0.21	0.23	0.22	0.24	0.22	0.21	0.21	0.19	0.20	0.18	0.20	0.19
75	0.14	0.11	0.13	0.11	0.14	0.12	0.14	0.12	0.15	0.13	0.15	0.13	0.12	0.13	0.11	0.13	0.10	0.13	0.12
80	0.09	0.06	0.08	0.06	0.08	0.07	0.09	0.07	0.09	0.07	0.09	0.07	0.07	0.08	0.06	0.08	0.06	0.08	0.06
85	0.05	0.03	0.05	0.03	0.05	0.04	0.05	0.04	0.06	0.04	0.06	0.04	0.03	0.05	0.03	0.05	0.03	0.05	0.03
90	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	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

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	4332	4332	4329	4327	4325	4324	4322	4320	4319	4319
3.0	4072	4095	4084	4112	4103	4125	4112	4127	4104	4107
6.0	3448	3483	3469	3524	3517	3569	3553	3580	3537	3536
9.0	2658	2697	2680	2746	2741	2815	2800	2841	2786	2788
12.0	1893	1919	1906	1964	1972	2034	2028	2064	2014	2006
15.0	1274	1291	1280	1347	1351	1417	1406	1446	1393	1390
18.0	840.3	847.5	837.7	879.9	897.7	946.4	947.8	971.6	943.2	929.1
21.0	561.5	557.5	558.5	576.8	594.9	621.9	626.7	643.9	626.7	619.7
24.0	375.4	375.3	372.2	387.0	395.6	417.8	422.7	433.3	424.8	421.5
27.0	243.6	246.0	246.0	256.9	264.3	280.5	283.8	289.6	281.7	279.3
30.0	148.5	156.1	159.2	166.1	169.1	178.7	177.9	178.9	170.6	167.5
33.0	91.98	98.04	101.7	105.3	106.6	109.8	109.8	108.3	103.3	101.9
36.0	62.36	64.67	67.12	69.21	70.50	72.22	71.53	71.46	69.16	68.03
39.0	43.47	45.31	46.37	48.34	48.54	49.92	49.38	49.70	48.28	47.94
42.0	30.81	31.89	32.41	33.37	33.15	34.08	34.02	34.37	33.68	33.64
45.0	22.03	22.53	22.66	23.16	23.01	23.50	23.44	23.76	23.59	23.77
48.0	14.13	14.36	14.30	14.71	14.53	14.83	14.64	14.81	14.87	15.28
51.0	9.845	9.850	9.752	9.957	9.829	9.893	9.811	9.863	10.15	10.52
54.0	6.874	6.791	6.607	6.736	6.570	6.627	6.725	6.796	7.006	7.260
57.0	4.518	4.442	4.280	4.355	4.208	4.267	4.500	4.523	4.575	4.625
60.0	2.860	2.847	2.750	2.793	2.633	2.679	2.939	2.966	2.939	2.823
63.0	1.612	1.627	1.653	1.711	1.548	1.529	1.717	1.776	1.743	1.597
66.0	0.5916	0.6211	0.6596	0.7650	0.6525	0.5996	0.6747	0.7391	0.6791	0.6628
69.0	0.2386	0.2206	0.2364	0.2141	0.2386	0.2228	0.2474	0.2359	0.2584	0.2447
72.0	0.1795	0.1551	0.1730	0.1529	0.1774	0.1616	0.1839	0.1682	0.1948	0.1792
75.0	0.1357	0.1114	0.1314	0.1136	0.1357	0.1158	0.1380	0.1245	0.1466	0.1332
78.0	0.1029	0.0765	0.0985	0.0765	0.1029	0.0830	0.1029	0.0852	0.1138	0.0918
81.0	0.0788	0.0568	0.0722	0.0524	0.0744	0.0590	0.0766	0.0612	0.0832	0.0656
84.0	0.0591	0.0371	0.0591	0.0415	0.0612	0.0415	0.0635	0.0415	0.0635	0.0459
87.0	0.0481	0.0350	0.0459	0.0328	0.0460	0.0328	0.0460	0.0372	0.0503	0.0350
90.0	0.0328	0.0328	0.0350	0.0306	0.0328	0.0328	0.0350	0.0328	0.0350	0.0350
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	4318	4316	4332	4329	4327	4325	4324	4322	4320	4320
3.0	4071	4076	4111	4085	4098	4078	4099	4081	4100	4083
6.0	3472	3472	3508	3460	3483	3457	3500	3482	3523	3494
9.0	2707	2699	2728	2670	2705	2677	2732	2721	2769	2739
12.0	1931	1919	1941	1893	1924	1912	1971	1971	2022	2003
15.0	1312	1295	1304	1263	1294	1292	1361	1358	1416	1392
18.0	875.0	853.9	855.6	827.4	844.9	847.4	893.5	906.8	942.0	933.0
21.0	592.2	571.1	566.2	551.5	555.3	561.5	583.7	599.7	617.6	611.3
24.0	401.8	389.0	383.7	367.7	373.0	371.7	389.7	395.5	412.2	410.1
27.0	263.9	254.4	251.1	239.1	242.6	242.8	255.6	257.8	266.8	260.5
30.0	158.4	155.4	155.2	150.8	155.7	153.6	157.3	154.9	156.2	146.3
33.0	98.80	96.37	97.18	95.99	97.50	95.24	95.21	92.39	93.11	89.22
36.0	66.35	64.57	65.10	63.93	63.60	63.29	63.20	62.34	61.86	61.42
39.0	46.26	45.45	45.62	44.14	44.65	44.08	44.41	43.58	44.03	43.03
42.0	32.47	31.89	32.03	31.08	31.49	30.93	31.08	30.54	30.92	29.97
45.0	22.96	22.57	22.48	21.67	22.23	22.01	22.28	21.82	22.03	21.35
48.0	14.76	14.32	14.22	13.72	14.37	14.58	14.93	14.54	14.57	14.00
51.0	10.23	9.721	9.486	9.239	9.783	10.24	10.64	10.28	10.26	9.863
54.0	6.989	6.631	6.474	6.333	6.735	7.069	7.341	7.019	7.132	7.020
57.0	4.403	4.197	4.207	4.164	4.487	4.726	4.840	4.597	4.773	4.781
60.0	2.603	2.528	2.661	2.671	2.914	3.001	3.066	2.892	3.029	3.060
63.0	1.458	1.458	1.581	1.554	1.712	1.703	1.703	1.578	1.670	1.653
66.0	0.6281	0.6693	0.6535	0.5623	0.6727	0.6544	0.6268	0.5122	0.5922	0.5777
69.0	0.2605	0.2403	0.2337	0.2385	0.2075	0.2210	0.2031	0.2254	0.2162	0.2407
72.0	0.1949	0.1726	0.1638	0.1729	0.1463	0.1620	0.1441	0.1664	0.1573	0.1817
75.0	0.1510	0.1311	0.1179	0.1313	0.1070	0.1269	0.1049	0.1270	0.1158	0.1401
78.0	0.1138	0.0917	0.0808	0.0985	0.0764	0.0919	0.0721	0.0963	0.0808	0.1051
81.0	0.0875	0.0634	0.0611	0.0765	0.0502	0.0722	0.0481	0.0722	0.0589	0.0766
84.0	0.0678	0.0437	0.0371	0.0547	0.0350	0.0525	0.0350	0.0547	0.0371	0.0569
87.0	0.0504	0.0350	0.0305	0.0372	0.0240	0.0350	0.0262	0.0372	0.0240	0.0372
90.0	0.0350	0.0372	0.0219	0.0219	0.0197	0.0219	0.0219	0.0241	0.0219	0.0219
G/C	300.0	315.0	330.0	345.0						
0.0	4319	4319	4318	4316						
3.0	4102	4084	4101	4080						
6.0	3521	3482	3506	3470						
9.0	2770	2722	2743	2695						
12.0	2027	1985	1992	1938						
15.0	1422	1372	1382	1320						
18.0	950.4	919.1	910.6	873.4						
21.0	626.4	615.7	606.8	585.7						

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	419.0	410.1	411.9	392.8
27.0	264.8	258.7	264.2	252.9
30.0	150.3	144.5	152.0	149.5
33.0	89.28	89.05	92.57	91.94
36.0	61.91	62.09	62.38	62.40
39.0	43.66	43.29	43.89	43.51
42.0	30.03	29.66	30.43	30.49
45.0	21.33	21.02	21.77	21.89
48.0	13.85	13.55	14.05	14.13
51.0	9.745	9.579	9.837	9.923
54.0	6.936	6.755	6.942	7.018
57.0	4.679	4.470	4.561	4.641
60.0	2.981	2.796	2.861	2.909
63.0	1.617	1.497	1.587	1.644
66.0	0.5727	0.5074	0.6141	0.6389
69.0	0.2315	0.2495	0.2315	0.2429
72.0	0.1682	0.1904	0.1659	0.1816
75.0	0.1245	0.1444	0.1201	0.1357
78.0	0.0852	0.1072	0.0830	0.1029
81.0	0.0610	0.0766	0.0567	0.0744
84.0	0.0371	0.0526	0.0371	0.0569
87.0	0.0262	0.0372	0.0240	0.0372
90.0	0.0219	0.0219	0.0219	0.0219

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: