

LED Tracklight PURE Art-15W-830-36D



Light Output Ratio:	100.0%	
Luminaire Power:	14.95 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

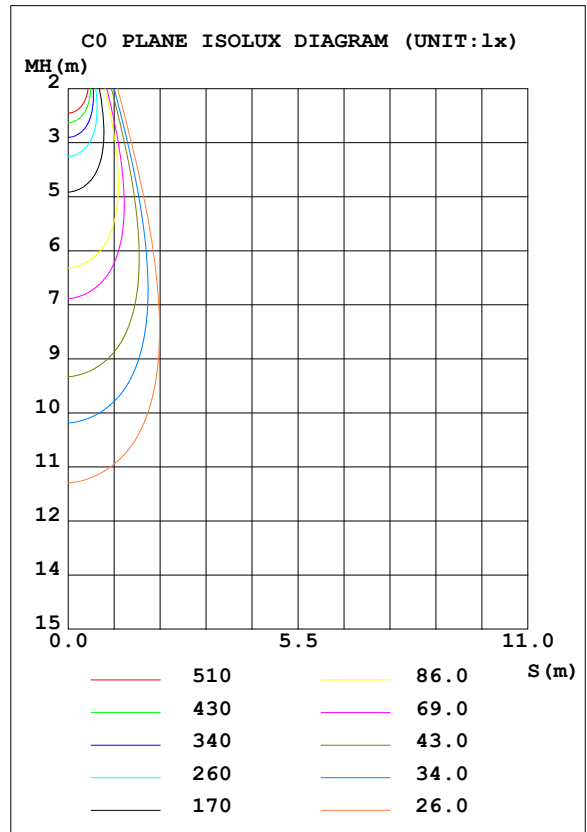
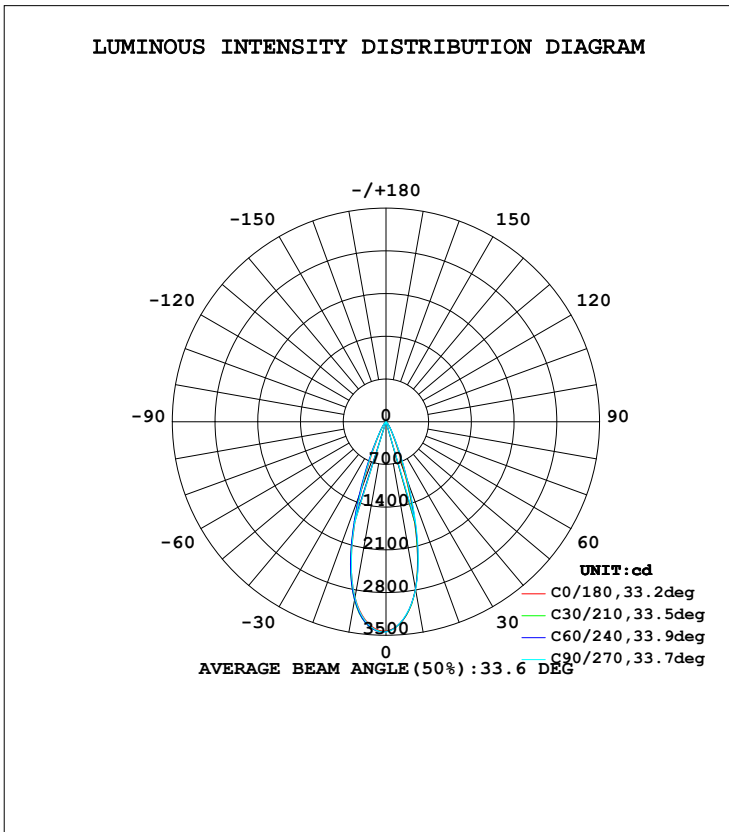
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.0708A P:14.95W PF:0.9562 Lamp Flux:1172.6x1 lm		
NAME: PURE Art-15W-830-36D	TYPE:Tracklight	SERIAL No.:
SPEC.:3000K	DIM.: φ55mm*H150mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.41 lm/W			
MODEL	CITIZEN-3000K	I _{max} (cd)	3450	S/MH (C0/180)	0.53
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	0.54
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1172.6	η UP, DN (C0-180)	0.0, 48.4
NOMINAL FLUX (lm)	1172.6	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 51.6
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.55



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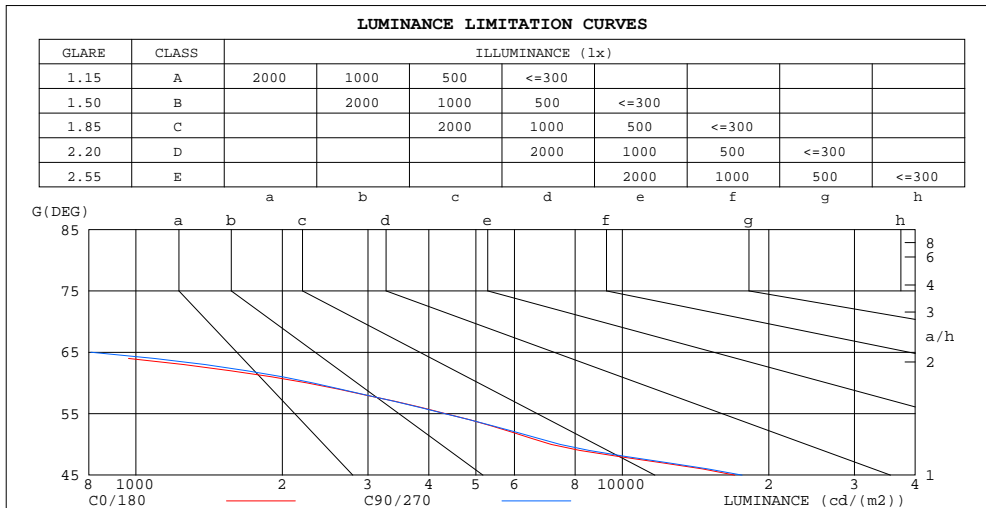
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**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2784	2801	2794	2856	2924	2959	2928	2856	0- 10	301.0	301.0	25.7,25.7
20	898.4	1018	1034	1051	1163	1265	1200	995.4	10- 20	548.5	849.5	72.4,72.4
30	174.5	204.2	204.0	179.7	200.1	228.9	220.4	172.8	20- 30	223.4	1073	91.5,91.5
40	51.69	56.42	55.15	54.52	58.79	62.52	59.26	53.20	30- 40	68.64	1142	97.4,97.4
50	10.90	11.56	11.37	11.65	12.92	13.90	13.32	11.40	40- 50	23.88	1165	99.4,99.4
60	2.671	2.764	2.744	2.685	3.151	3.260	3.376	2.750	50- 60	5.944	1171	99.9,99.9
70	0.1554	0.1507	0.1685	0.1311	0.1332	0.1729	0.1550	0.1466	60- 70	1.060	1172	100,100
80	0.0744	0.0589	0.0744	0.0481	0.0437	0.0722	0.0567	0.0678	70- 80	0.1034	1173	100,100
90	0.0459	0.0437	0.0481	0.0415	0.0306	0.0306	0.0306	0.0306	80- 90	0.0513	1173	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	275	275
80	180	180
75	171	182
70	191	208
65	703	808
60	2249	2311
55	4334	4318
50	7140	7450
45	17027	17633

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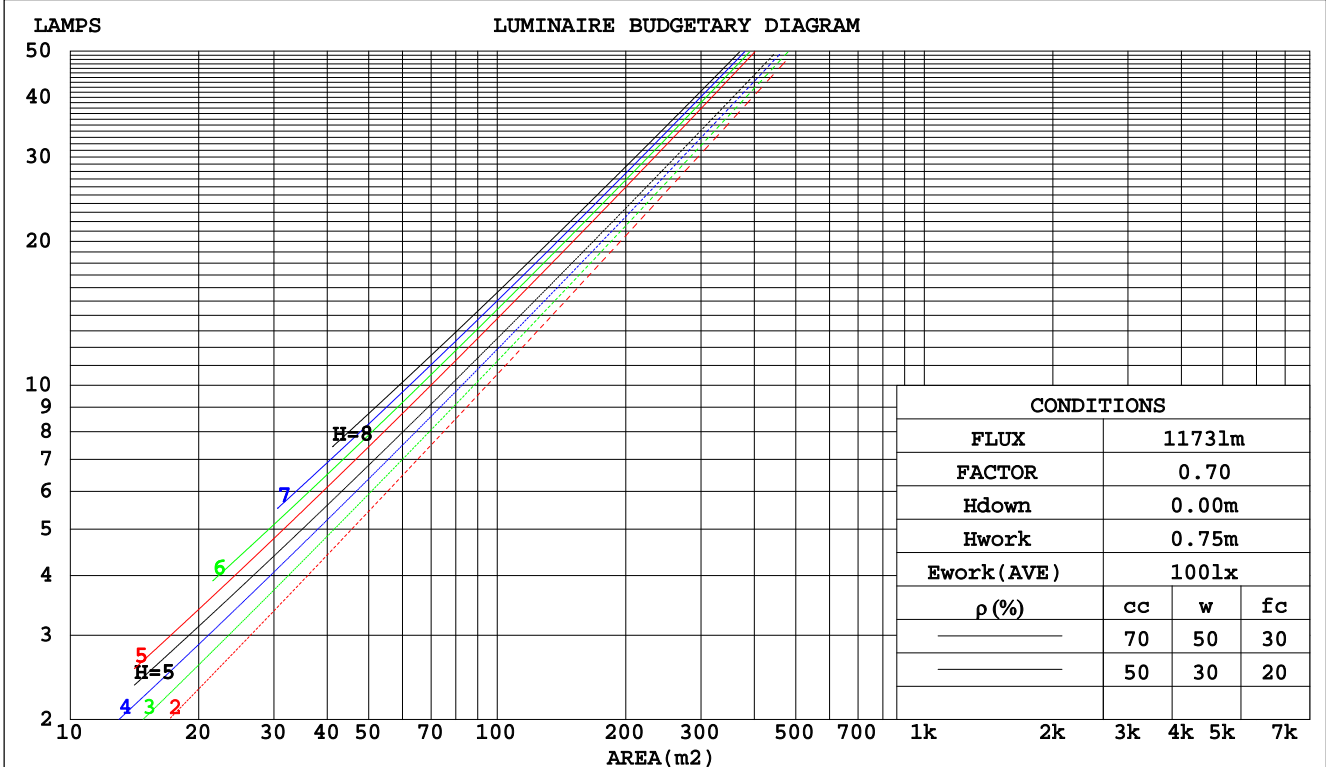
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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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	1.12	1.10	1.09	1.10	1.08	1.07	1.06	1.05	1.04	1.03	1.02	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	.98	.94	1.00	.97	.94	.98	.95	.92	.95	.93	.91	.93	.91	.89	.88
4.0	.97	.93	.89	.96	.92	.89	.94	.90	.88	.92	.89	.87	.90	.88	.86	.85
5.0	.93	.88	.85	.92	.88	.85	.90	.87	.84	.89	.86	.83	.87	.85	.82	.81
6.0	.89	.84	.81	.88	.84	.81	.87	.83	.80	.86	.82	.80	.84	.82	.79	.78
7.0	.86	.81	.78	.85	.81	.78	.84	.80	.77	.83	.79	.77	.82	.79	.76	.75
8.0	.82	.78	.75	.82	.78	.75	.81	.77	.74	.80	.77	.74	.79	.76	.74	.73
9.0	.79	.75	.72	.79	.75	.72	.78	.74	.72	.77	.74	.71	.77	.74	.71	.70
10.0	.77	.72	.69	.76	.72	.69	.76	.72	.69	.75	.72	.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	.146	.083	.026	.140	.080	.025	.127	.073	.023	.116	.067	.021	.105	.061	.020	
2.0	.137	.075	.023	.131	.072	.022	.121	.067	.021	.112	.063	.020	.103	.058	.018	
3.0	.129	.068	.020	.124	.066	.020	.115	.062	.019	.107	.059	.018	.100	.055	.017	
4.0	.121	.063	.019	.117	.061	.018	.110	.058	.017	.103	.055	.017	.097	.053	.016	
5.0	.115	.058	.017	.111	.057	.017	.105	.055	.016	.099	.052	.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	.101	.050	.014	.097	.049	.014	.092	.047	.014	.088	.046	.013	
8.0	.099	.048	.014	.097	.048	.013	.093	.046	.013	.089	.045	.013	.085	.044	.013	
9.0	.095	.046	.013	.093	.045	.013	.089	.044	.013	.086	.043	.012	.083	.042	.012	
10.0	.091	.044	.012	.089	.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	.029	.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	.035	.076	.049	.030	.052	.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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NAME: PURE Art-15W-830-36D	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	13.3	14.0	13.5	14.2	14.3	13.8	14.5	14.0	14.7	14.9
3H	13.2	13.8	13.4	14.0	14.2	13.7	14.3	13.9	14.5	14.7
4H	13.1	13.7	13.3	13.9	14.1	13.6	14.2	13.9	14.4	14.6
6H	13.0	13.6	13.3	13.8	14.1	13.5	14.1	13.8	14.3	14.6
8H	13.0	13.5	13.2	13.8	14.0	13.5	14.0	13.8	14.3	14.5
12H	12.9	13.5	13.2	13.7	14.0	13.4	14.0	13.7	14.2	14.5
4H 2H	13.1	13.7	13.4	14.0	14.2	13.6	14.2	13.9	14.5	14.7
3H	12.9	13.5	13.2	13.7	14.0	13.4	14.0	13.7	14.3	14.5
4H	12.8	13.3	13.2	13.6	13.9	13.3	13.8	13.7	14.1	14.4
6H	12.7	13.2	13.1	13.5	13.9	13.2	13.7	13.6	14.0	14.4
8H	12.7	13.1	13.1	13.4	13.8	13.2	13.6	13.6	14.0	14.3
12H	12.6	13.0	13.0	13.4	13.8	13.1	13.5	13.5	13.9	14.3
8H 4H	12.7	13.1	13.1	13.4	13.8	13.2	13.6	13.6	14.0	14.3
6H	12.6	12.9	13.0	13.3	13.7	13.1	13.4	13.5	13.8	14.2
8H	12.5	12.8	13.0	13.2	13.7	13.0	13.3	13.5	13.7	14.2
12H	12.5	12.7	12.9	13.2	13.6	13.0	13.2	13.4	13.7	14.1
12H 4H	12.6	13.0	13.0	13.4	13.8	13.1	13.5	13.5	13.9	14.3
6H	12.5	12.8	13.0	13.2	13.7	13.0	13.3	13.5	13.7	14.2
8H	12.5	12.7	12.9	13.2	13.6	13.0	13.2	13.4	13.7	14.1
Variations with the observer position at spacings:										
S = 1.0H	+ 2.7 / - 9.7					+ 2.8 / -10.0				
1.5H	+ 4.4 / - 6.9					+ 4.6 / - 7.2				
2.0H	+ 6.2 / -10.1					+ 6.3 / -10.0				

CIE Pub.117 Corrected 1173 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.6)

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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	110	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	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

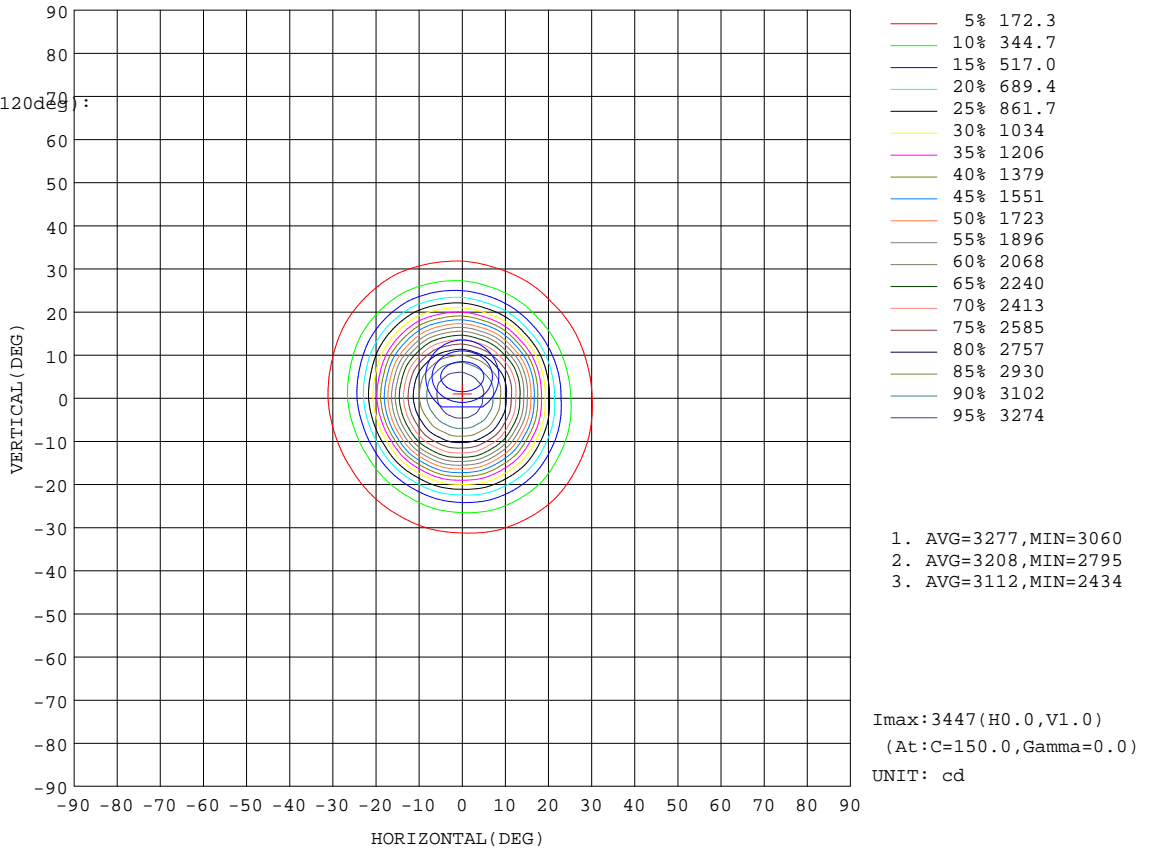
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Conical surface Flux(90deg):

1157.2 lm
%lum = 98.7%
%lamp = 98.7%

Conical surface Flux(120deg):

1171.4 lm
%lum = 99.9%
%lamp = 99.9%



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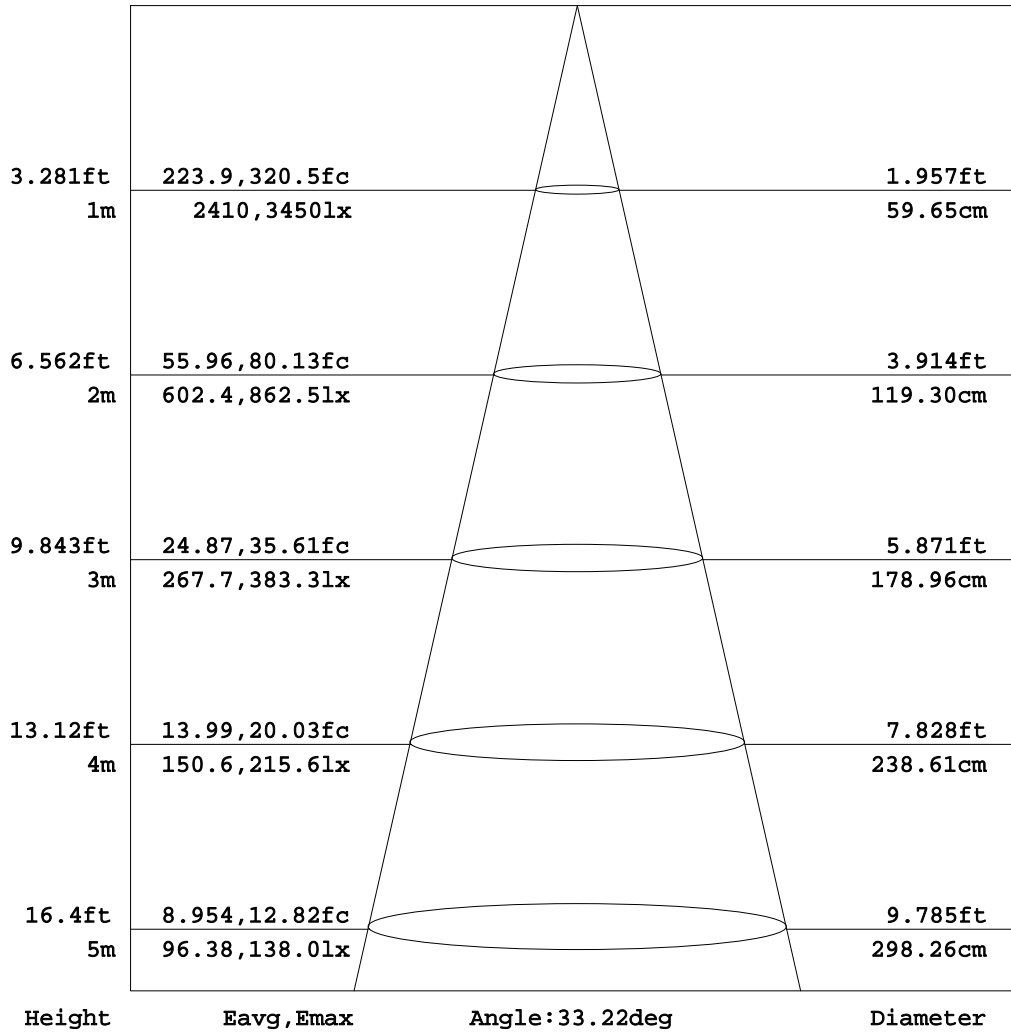
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AAI Figure

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Flux out:707.5 lm



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

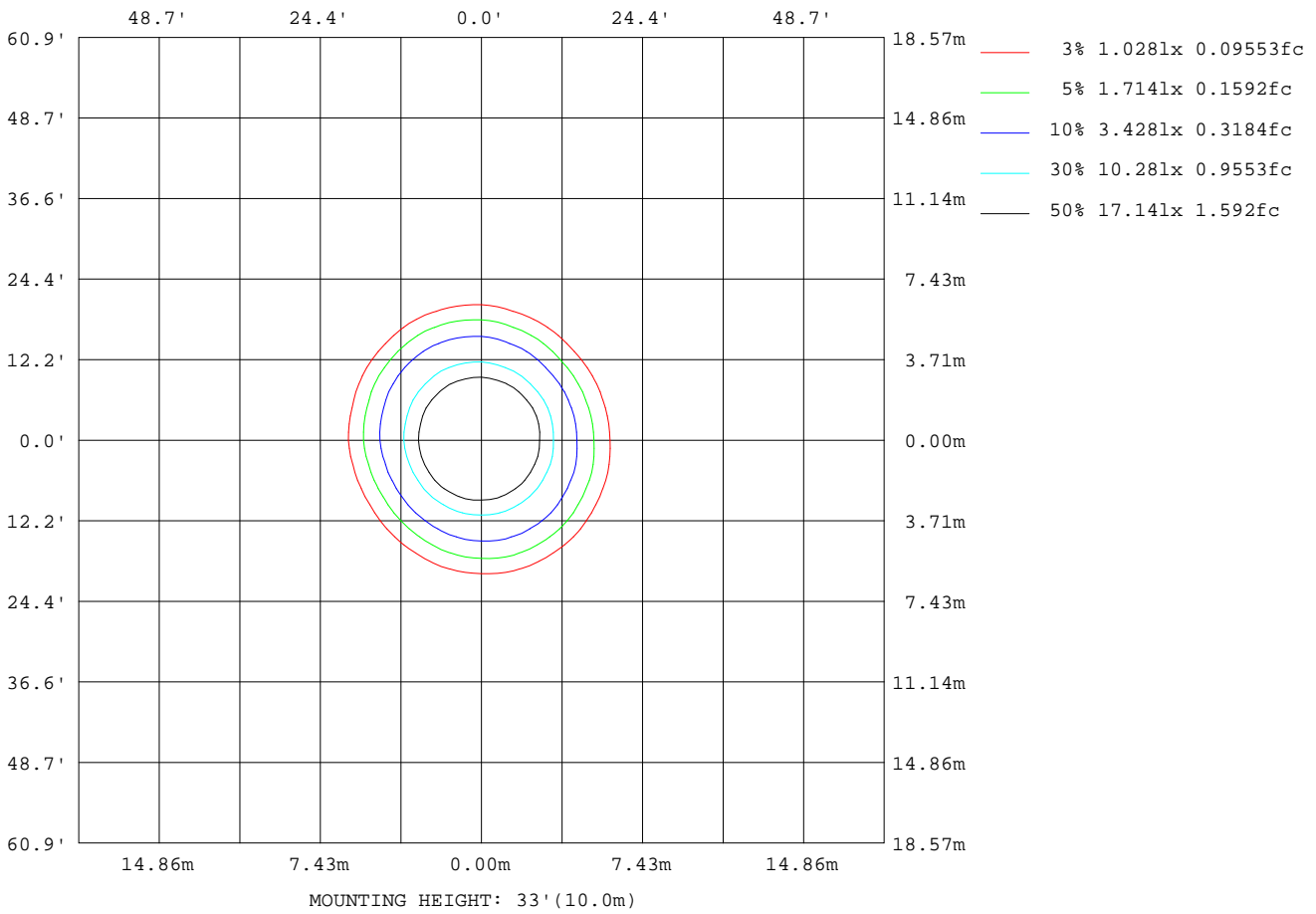
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ISOLUX DIAGRAM

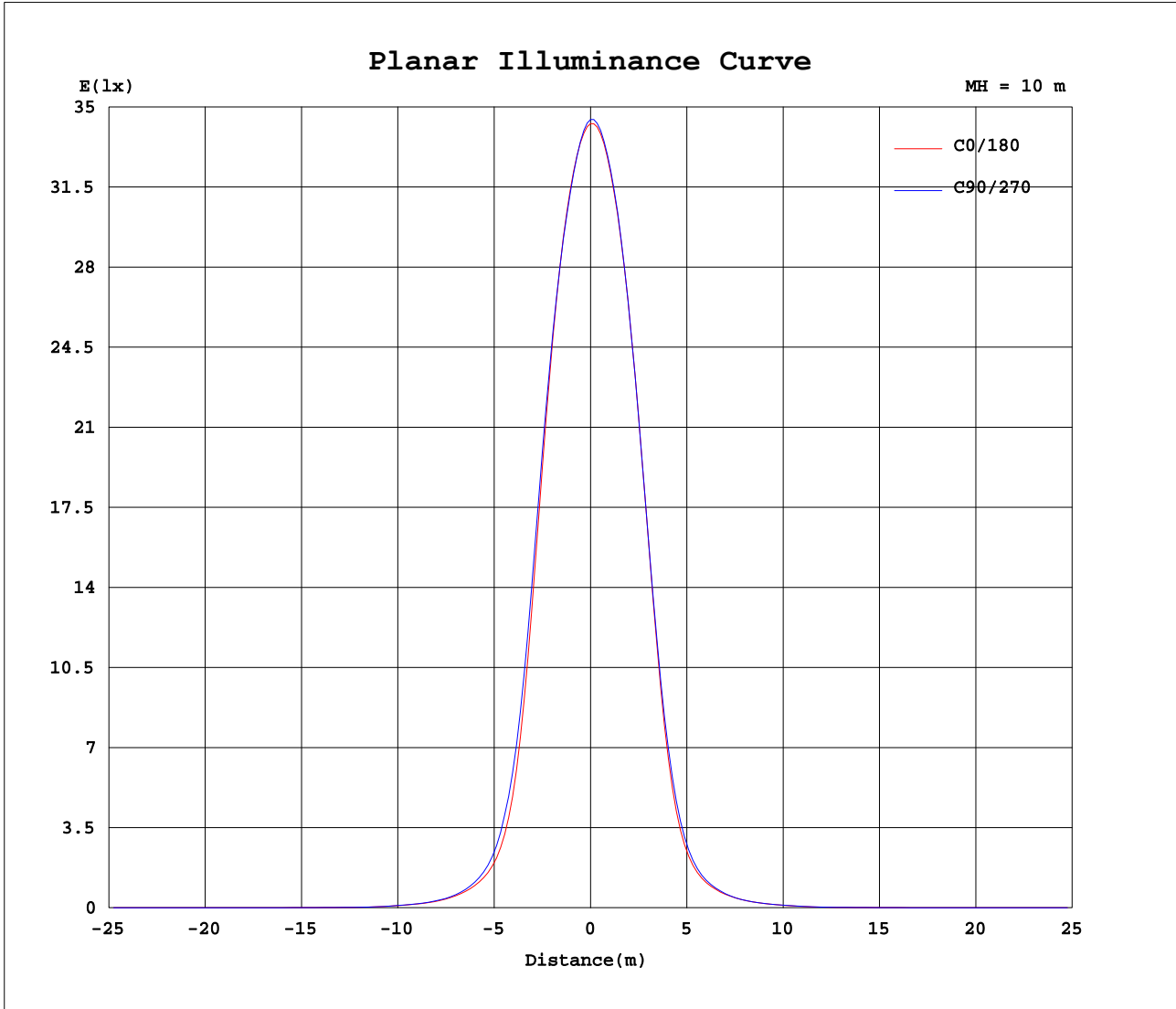
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Planar Illuminance Curve



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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	3428	3433	3436	3440	3440	3443	3445	3447	3448	3448	3450	3450	3428	3433	3436	3440	3440	3443	3445
5	3256	3266	3254	3260	3251	3257	3247	3262	3266	3285	3292	3314	3318	3333	3352	3349	3351	3335	3329
10	2784	2801	2783	2801	2785	2799	2794	2818	2815	2856	2860	2896	2924	2942	2974	2959	2962	2930	2928
15	1910	1932	1918	1967	1964	2005	2000	2048	2050	2099	2090	2127	2168	2171	2221	2211	2230	2177	2170
20	898	941	960	1018	1029	1054	1034	1051	1033	1051	1038	1086	1163	1184	1254	1265	1289	1231	1200
25	354	384	404	441	452	464	444	433	402	390	382	406	458	485	539	566	576	549	511
30	174	184	191	204	209	213	204	199	186	180	176	184	200	207	223	229	239	230	220
35	95.9	99.3	101	106	107	108	104	104	100	98.7	97.9	102	108	108	113	116	119	115	112
40	51.7	53.5	54.3	56.4	56.2	56.7	55.1	55.3	54.1	54.5	54.2	55.7	58.8	59.4	61.8	62.5	62.9	61.2	59.3
45	28.6	29.4	29.4	30.5	30.1	30.5	29.6	30.0	29.6	30.1	29.9	30.6	32.4	32.8	34.2	34.4	34.9	33.5	32.8
50	10.9	11.2	11.2	11.6	11.5	11.7	11.4	11.6	11.5	11.6	11.4	11.8	12.9	13.2	13.9	13.9	14.3	13.6	13.3
55	5.90	6.12	6.03	6.10	6.06	6.15	5.88	5.86	5.81	6.01	6.01	6.19	6.94	7.11	7.30	7.21	7.41	7.18	7.00
60	2.67	2.71	2.67	2.76	2.82	2.88	2.74	2.72	2.61	2.69	2.67	2.69	3.15	3.23	3.27	3.26	3.50	3.41	3.38
65	0.71	0.75	0.73	0.74	0.73	0.82	0.81	0.79	0.74	0.81	0.82	0.83	0.92	0.96	1.03	1.03	1.14	1.12	1.12
70	0.16	0.14	0.17	0.15	0.17	0.15	0.17	0.14	0.16	0.13	0.15	0.13	0.13	0.16	0.14	0.17	0.16	0.18	0.16
75	0.11	0.09	0.11	0.09	0.11	0.09	0.11	0.08	0.10	0.08	0.10	0.08	0.08	0.10	0.08	0.11	0.09	0.11	0.09
80	0.07	0.05	0.08	0.06	0.08	0.06	0.07	0.06	0.07	0.05	0.07	0.05	0.04	0.07	0.05	0.07	0.05	0.07	0.06
85	0.06	0.04	0.06	0.04	0.06	0.05	0.06	0.04	0.05	0.04	0.05	0.04	0.03	0.05	0.04	0.05	0.03	0.05	0.03
90	0.05	0.05	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.0708A P:14.95W PF:0.9562 Lamp Flux:1172.6x1 lm		
NAME: PURE Art-15W-830-36D	TYPE:Tracklight	SERIAL No.:
SPEC.:3000K	DIM.: φ55mm*H150mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	3447	3448	3448	3450	3450														
5	3315	3310	3295	3298	3287														
10	2889	2882	2856	2862	2836														
15	2109	2103	2044	2040	1982														
20	1117	1079	995	975	927														
25	452	413	364	353	345														
30	199	187	173	172	170														
35	105	102	96.7	96.3	95.4														
40	56.4	55.3	53.2	53.1	51.8														
45	31.1	30.5	29.4	29.3	28.7														
50	12.4	12.1	11.4	11.3	10.9														
55	6.50	6.30	6.00	6.02	5.89														
60	3.11	2.95	2.75	2.80	2.71														
65	0.96	0.92	0.86	0.86	0.77														
70	0.17	0.14	0.15	0.13	0.15														
75	0.11	0.08	0.10	0.07	0.10														
80	0.07	0.05	0.07	0.05	0.07														
85	0.05	0.03	0.05	0.03	0.05														
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	3428	3433	3436	3440	3440	3443	3445	3447	3448	3448
3.0	3357	3363	3359	3365	3358	3364	3361	3372	3375	3388
6.0	3189	3201	3188	3193	3183	3190	3176	3192	3195	3217
9.0	2911	2923	2908	2924	2903	2917	2909	2931	2923	2965
12.0	2482	2501	2484	2514	2502	2527	2520	2556	2558	2598
15.0	1910	1932	1918	1967	1964	2005	2000	2048	2050	2099
18.0	1273	1314	1307	1373	1372	1417	1401	1442	1427	1469
21.0	743.2	790.5	812.5	872.8	881.7	905.0	877.4	888.1	860.3	875.4
24.0	422.3	458.7	481.3	526.1	543.8	551.3	534.1	519.5	485.6	476.7
27.0	258.5	278.2	290.6	316.4	324.5	333.5	317.9	308.6	284.1	273.9
30.0	174.5	184.5	190.8	204.2	208.8	213.2	204.0	199.0	186.2	179.7
33.0	122.1	128.1	130.1	138.6	139.5	142.7	136.5	136.1	128.8	126.5
36.0	84.87	87.63	89.08	92.94	93.60	93.87	91.09	91.06	88.77	87.42
39.0	58.37	60.68	62.00	63.81	64.26	64.21	62.95	62.61	61.69	61.50
42.0	40.79	42.09	42.78	44.45	44.19	44.52	43.31	43.26	42.55	42.93
45.0	28.59	29.40	29.43	30.50	30.07	30.50	29.61	30.04	29.58	30.07
48.0	15.65	16.08	15.91	16.47	16.31	16.69	16.20	16.68	16.49	17.04
51.0	9.690	9.949	9.972	10.19	10.16	10.23	10.01	10.10	10.04	10.14
54.0	6.780	7.007	6.931	7.014	6.955	7.042	6.776	6.780	6.726	6.944
57.0	4.414	4.553	4.442	4.527	4.529	4.599	4.396	4.368	4.293	4.433
60.0	2.671	2.711	2.670	2.764	2.817	2.877	2.744	2.716	2.609	2.685
63.0	1.352	1.387	1.389	1.442	1.466	1.546	1.496	1.424	1.345	1.451
66.0	0.4252	0.4748	0.4427	0.4467	0.4363	0.5096	0.4977	0.5184	0.4817	0.5512
69.0	0.1685	0.1529	0.1839	0.1682	0.1948	0.1682	0.1860	0.1573	0.1707	0.1399
72.0	0.1292	0.1136	0.1401	0.1223	0.1467	0.1267	0.1401	0.1114	0.1313	0.1027
75.0	0.1050	0.0852	0.1094	0.0896	0.1138	0.0918	0.1116	0.0831	0.1029	0.0765
78.0	0.0853	0.0655	0.0875	0.0677	0.0876	0.0656	0.0897	0.0634	0.0831	0.0634
81.0	0.0700	0.0481	0.0700	0.0481	0.0722	0.0503	0.0700	0.0459	0.0700	0.0437
84.0	0.0612	0.0437	0.0591	0.0437	0.0612	0.0481	0.0591	0.0437	0.0591	0.0415
87.0	0.0503	0.0437	0.0503	0.0437	0.0525	0.0481	0.0525	0.0437	0.0503	0.0415
90.0	0.0459	0.0459	0.0437	0.0437	0.0481	0.0481	0.0481	0.0459	0.0459	0.0415
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	3450	3450	3433	3436	3440	3440	3443	3445	3447	3448
3.0	3393	3404	3396	3404	3416	3418	3420	3413	3411	3403
6.0	3225	3252	3263	3279	3303	3297	3301	3283	3275	3255
9.0	2968	3006	3030	3046	3078	3064	3067	3039	3036	3001
12.0	2601	2638	2670	2684	2718	2706	2712	2674	2669	2625
15.0	2090	2127	2168	2171	2221	2211	2230	2177	2170	2109
18.0	1453	1505	1568	1575	1637	1637	1661	1605	1586	1507
21.0	857.3	905.6	979.4	1006	1078	1096	1119	1063	1027	942.4
24.0	465.5	495.6	555.9	595.4	649.8	670.0	690.5	647.1	613.5	553.4
27.0	267.2	285.3	318.9	335.1	370.0	382.6	398.3	376.6	357.7	315.8
30.0	175.9	183.9	200.1	206.5	223.0	228.9	239.3	230.2	220.4	199.2
33.0	123.1	129.1	137.6	138.5	147.2	149.9	155.6	150.8	146.5	135.4
36.0	87.24	90.24	95.74	96.15	99.88	101.4	104.0	100.3	98.00	92.51
39.0	61.66	63.05	66.50	67.36	69.69	69.99	70.98	68.58	66.96	64.25
42.0	42.74	43.81	46.37	46.83	48.78	49.01	49.75	47.87	46.81	44.34
45.0	29.86	30.58	32.43	32.81	34.19	34.41	34.90	33.54	32.84	31.09
48.0	16.83	17.65	19.33	19.68	20.81	20.80	21.40	20.31	19.83	18.32
51.0	9.966	10.25	11.14	11.37	11.88	11.91	12.18	11.69	11.40	10.70
54.0	6.900	7.123	7.872	8.079	8.331	8.272	8.446	8.169	7.938	7.396
57.0	4.429	4.559	5.237	5.398	5.486	5.370	5.608	5.479	5.349	4.976
60.0	2.672	2.692	3.151	3.225	3.269	3.260	3.505	3.413	3.376	3.111
63.0	1.511	1.481	1.665	1.690	1.742	1.756	1.932	1.885	1.877	1.685
66.0	0.5432	0.5601	0.6468	0.6911	0.7494	0.7350	0.8057	0.7813	0.7882	0.6477
69.0	0.1620	0.1442	0.1463	0.1732	0.1638	0.1907	0.1769	0.1971	0.1725	0.1839
72.0	0.1269	0.1005	0.1027	0.1292	0.1136	0.1401	0.1223	0.1445	0.1223	0.1379
75.0	0.0985	0.0765	0.0764	0.1007	0.0808	0.1072	0.0917	0.1116	0.0896	0.1072
78.0	0.0788	0.0590	0.0568	0.0788	0.0590	0.0831	0.0634	0.0875	0.0656	0.0853
81.0	0.0678	0.0437	0.0415	0.0634	0.0394	0.0635	0.0437	0.0678	0.0480	0.0700
84.0	0.0590	0.0437	0.0350	0.0504	0.0350	0.0504	0.0371	0.0569	0.0371	0.0547
87.0	0.0503	0.0437	0.0328	0.0416	0.0306	0.0416	0.0306	0.0459	0.0328	0.0438
90.0	0.0437	0.0437	0.0306	0.0306	0.0306	0.0306	0.0262	0.0306	0.0306	0.0328
G/C	300.0	315.0	330.0	345.0						
0.0	3448	3448	3450	3450						
3.0	3402	3393	3392	3386						
6.0	3248	3232	3238	3223						
9.0	2991	2972	2975	2955						
12.0	2616	2579	2583	2546						
15.0	2103	2044	2040	1982						
18.0	1487	1404	1390	1326						
21.0	900.9	819.6	796.9	757.6						

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	502.4	443.3	428.3	415.1
27.0	289.1	258.6	253.8	250.8
30.0	187.2	172.8	172.2	170.4
33.0	130.9	122.5	121.0	120.9
36.0	90.28	85.74	85.70	84.38
39.0	62.43	59.90	59.93	58.51
42.0	43.58	41.93	41.73	40.80
45.0	30.55	29.38	29.30	28.75
48.0	18.01	16.91	16.98	16.20
51.0	10.37	9.873	9.832	9.594
54.0	7.158	6.869	6.900	6.751
57.0	4.768	4.508	4.523	4.418
60.0	2.946	2.750	2.802	2.715
63.0	1.596	1.503	1.528	1.438
66.0	0.6356	0.5840	0.5701	0.4835
69.0	0.1507	0.1641	0.1398	0.1597
72.0	0.1114	0.1247	0.0983	0.1226
75.0	0.0808	0.0985	0.0743	0.0963
78.0	0.0612	0.0787	0.0568	0.0744
81.0	0.0415	0.0613	0.0437	0.0656
84.0	0.0371	0.0504	0.0328	0.0503
87.0	0.0328	0.0394	0.0328	0.0416
90.0	0.0306	0.0306	0.0306	0.0350

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: