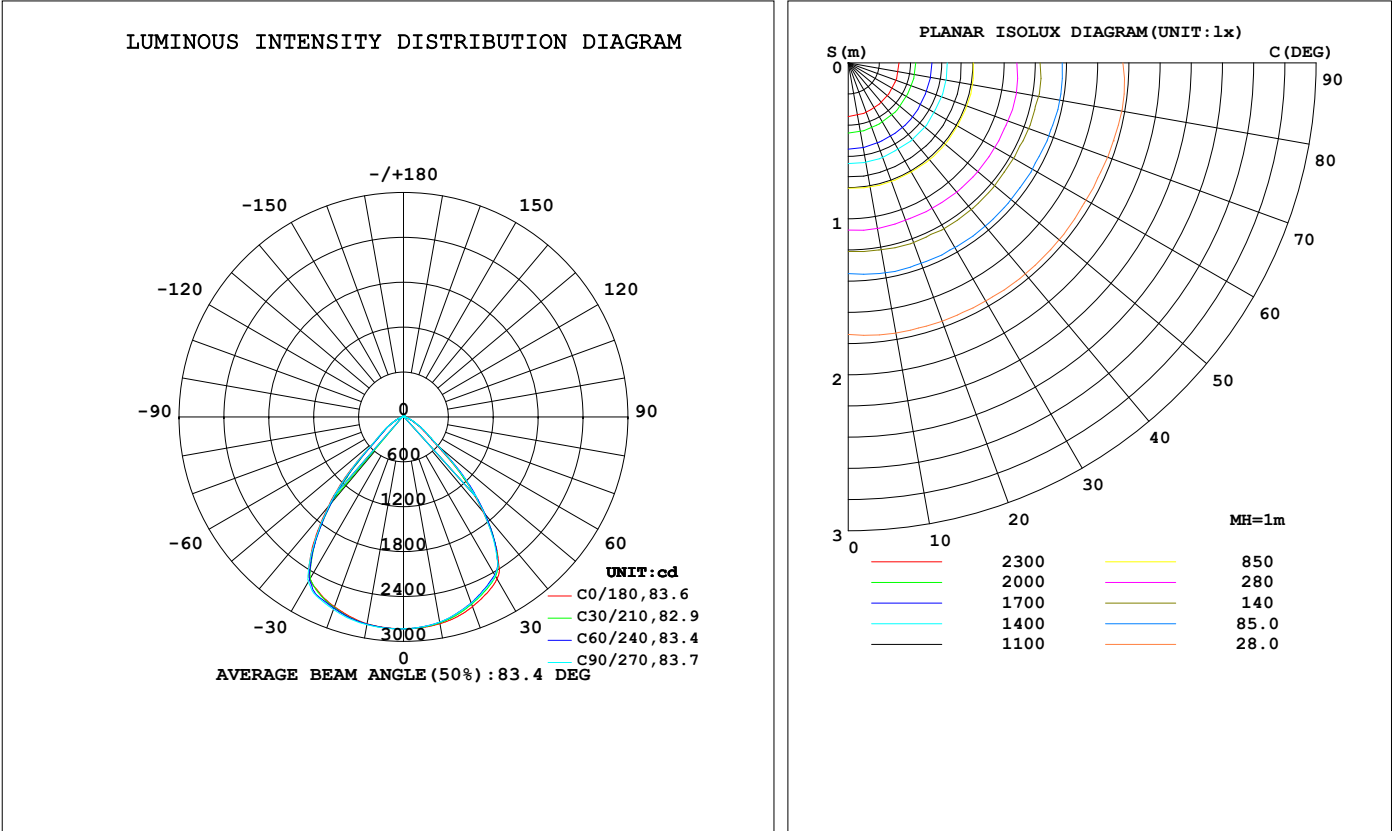


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.9V I:0.182A P:42.0W PF:0.972 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0Lamp Flux:4952.09x1 lm		
NAME: P300-B4K (42W with PC transparent reflector)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 117.91 lm/W
MODEL	/	Imax (cd)	2835	S/MH (C0/180)	1.19	
NOMINAL POWER (W)	/	LOR (%)	100.0	S/MH (C90/270)	1.18	
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	4952.1	η UP,DN (C0-180)	0.6,50.2	
NOMINAL FLUX (lm)	4952.09	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.6,48.6	
LAMPS INSIDE	1	η up (%)	1.2	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	/	η down (%)	98.8	CIBSE SHR MAX	1.25	



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:ZZX  
Test Date:2024-06-14

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity:65.0%  
Test Distance:26.000m [K=0.4593]  
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2805	2792	2785	2797	2807	2814	2818	2822	0- 10	269.1	269.1	5.43,5.43
20	2697	2659	2651	2671	2698	2713	2738	2740	10- 20	779.8	1049	21.2,21.2
30	2499	2462	2448	2493	2501	2493	2543	2562	20- 30	1206	2255	45.5,45.5
40	1654	1722	1671	1667	1564	1481	1548	1584	30- 40	1312	3567	72,72
50	558.7	606.4	614.5	561.8	481.1	446.7	484.1	531.4	40- 50	799.1	4366	88.2,88.2
60	227.5	243.3	242.9	234.2	212.3	208.5	207.1	204.5	50- 60	316.4	4683	94.6,94.6
70	86.67	99.91	92.88	86.59	80.26	77.03	74.39	75.82	60- 70	141.5	4824	97.4,97.4
80	27.76	30.31	28.29	27.20	24.13	23.02	22.39	22.98	70- 80	53.96	4878	98.5,98.5
90	6.297	6.804	6.707	6.583	6.614	6.012	6.170	6.104	80- 90	15.47	4894	98.8,98.8
100	7.027	6.315	6.763	6.978	8.231	6.729	7.994	7.423	90-100	6.771	4900	99,99
110	6.749	6.417	6.425	5.859	6.638	5.886	6.304	6.761	100-110	7.245	4908	99.1,99.1
120	8.323	6.867	6.784	6.886	8.850	7.973	8.623	9.471	110-120	6.679	4914	99.2,99.2
130	10.17	9.315	9.304	9.716	11.20	11.07	11.76	12.42	120-130	8.311	4923	99.4,99.4
140	12.74	12.11	12.27	12.20	13.04	12.65	13.49	14.49	130-140	9.464	4932	99.6,99.6
150	12.53	12.03	12.09	12.09	13.01	12.78	12.96	13.78	140-150	8.034	4940	99.8,99.8
160	12.98	12.73	12.73	12.92	14.17	14.18	14.19	14.45	150-160	5.955	4946	99.9,99.9
170	17.24	17.16	17.11	17.10	17.26	17.21	16.96	17.12	160-170	4.276	4950	100,100
180	19.63	19.61	19.67	19.67	19.67	19.65	19.72	19.72	170-180	1.760	4952	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 4058.1 lm

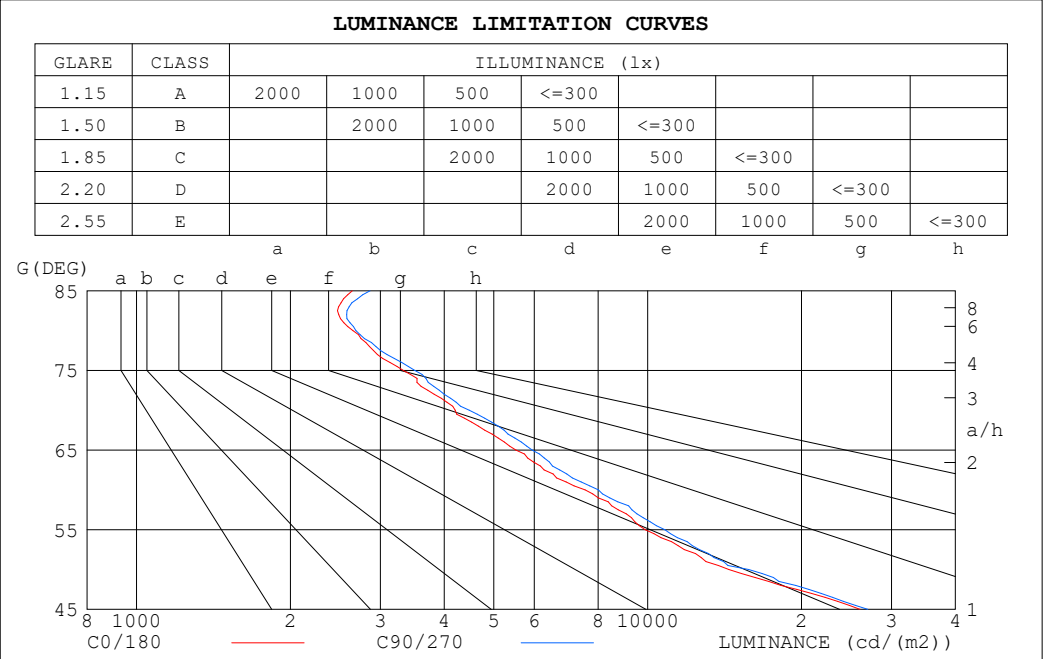
%lum = 81.9%  
%lamp = 81.9%

Conical surface Flux(120deg): 4682.6 lm

%lum = 94.6%  
%lamp = 94.6%

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 15.0DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Temperature:25.3℃	Humidity:65.0%
Operators:ZZX	Test Distance:26.000m [K=0.4593]
Test Date:2024-06-14	Remarks:

LUMINANCE LIMITATION CURVES



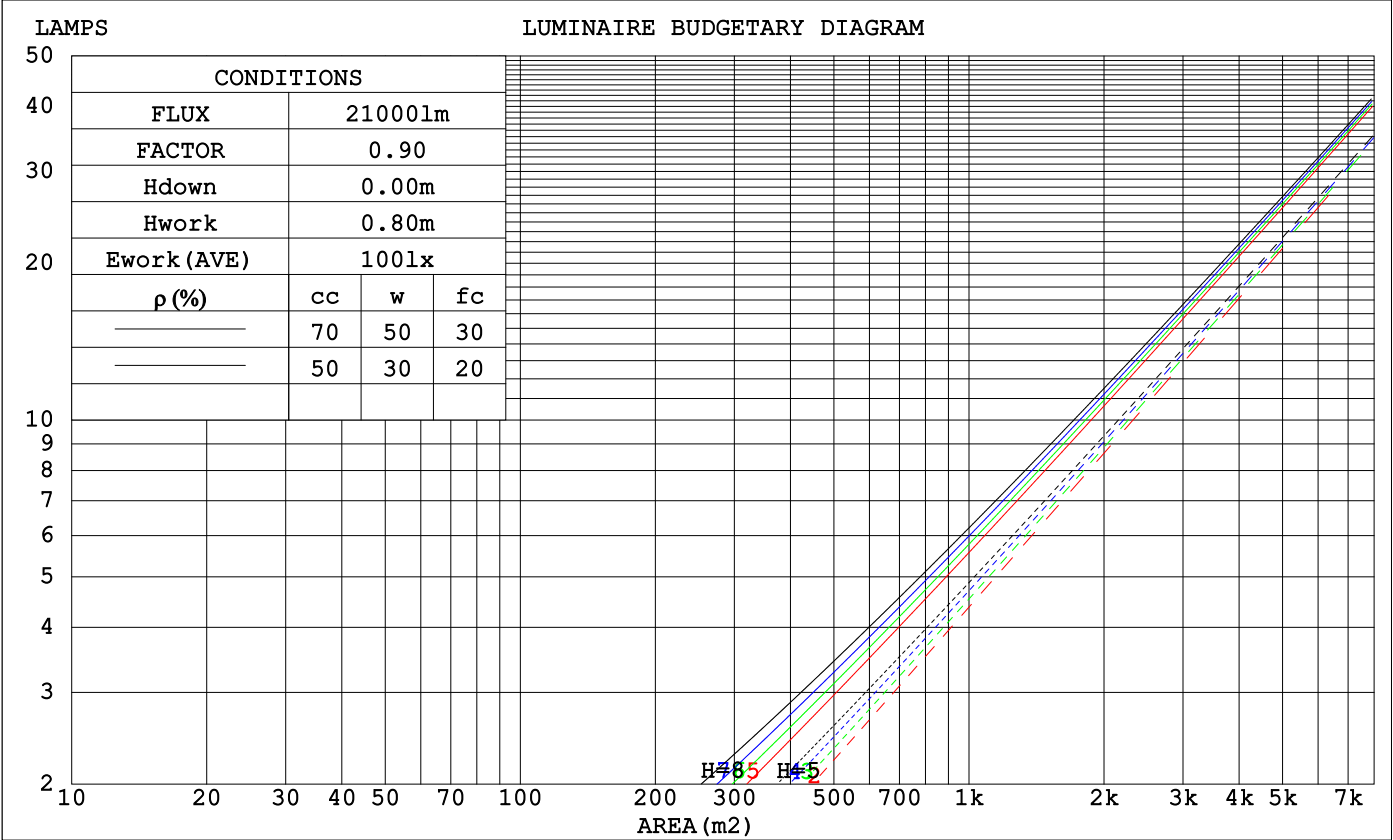
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2642	2863
80	2651	2687
75	3327	3504
70	4202	4478
65	5524	5944
60	7545	8009
55	9889	10809
50	14414	15762
45	26035	26965

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:ZZX  
Test Date:2024-06-14

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity:65.0%  
Test Distance:26.000m [K=0.4593]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	.99	
1.0	1.08	1.05	1.02	1.06	1.03	1.01	1.02	.99	.97	.98	.96	.94	.94	.93	.91	.89	
2.0	.98	.93	.89	.96	.92	.88	.93	.89	.86	.90	.87	.84	.87	.84	.82	.80	
3.0	.89	.83	.78	.88	.82	.78	.85	.80	.76	.82	.78	.75	.80	.76	.73	.72	
4.0	.82	.75	.70	.80	.74	.69	.78	.72	.68	.76	.71	.67	.73	.69	.66	.64	
5.0	.75	.68	.62	.74	.67	.62	.72	.66	.61	.70	.64	.60	.68	.63	.60	.58	
6.0	.69	.61	.56	.68	.61	.56	.66	.60	.55	.64	.59	.55	.63	.58	.54	.52	
7.0	.63	.56	.51	.62	.55	.51	.61	.55	.50	.59	.54	.50	.58	.53	.49	.48	
8.0	.58	.51	.46	.58	.51	.46	.56	.50	.46	.55	.50	.46	.54	.49	.45	.44	
9.0	.54	.47	.42	.54	.47	.42	.52	.46	.42	.51	.46	.42	.50	.45	.42	.40	
10.0	.50	.44	.39	.50	.43	.39	.49	.43	.39	.48	.42	.38	.47	.42	.38	.37	



C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:ZZX

Test Date:2024-06-14

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465

Humidity:65.0%

Test Distance:26.000m [K=0.4593]

Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## WEC AND CCEC

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.220	.125	.040	.213	.122	.039	.200	.115	.037	.187	.108	.035	.176	.102	.033	
2.0	.213	.117	.036	.207	.114	.035	.196	.109	.034	.185	.104	.032	.175	.099	.031	
3.0	.203	.108	.032	.198	.106	.032	.188	.102	.031	.179	.098	.030	.170	.094	.029	
4.0	.193	.100	.030	.188	.099	.029	.180	.095	.028	.171	.092	.028	.164	.089	.027	
5.0	.183	.093	.027	.179	.092	.027	.171	.089	.026	.164	.086	.026	.157	.084	.025	
6.0	.174	.087	.025	.170	.086	.025	.163	.083	.024	.156	.081	.024	.150	.079	.023	
7.0	.165	.081	.023	.161	.080	.023	.155	.078	.023	.149	.077	.022	.144	.075	.022	
8.0	.157	.077	.022	.154	.076	.021	.148	.074	.021	.143	.072	.021	.138	.071	.021	
9.0	.149	.072	.020	.146	.071	.020	.141	.070	.020	.136	.068	.020	.132	.067	.019	
10.0	.142	.068	.019	.139	.067	.019	.135	.066	.019	.130	.065	.018	.126	.063	.018	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.183	.166	.151	.157	.142	.130	.107	.098	.090	.062	.057	.052	.020	.018	.017	
2.0	.171	.141	.117	.146	.122	.101	.100	.084	.070	.058	.049	.041	.019	.016	.013	
3.0	.161	.123	.093	.138	.106	.081	.095	.074	.056	.055	.043	.033	.018	.014	.011	
4.0	.152	.109	.076	.131	.094	.066	.090	.066	.046	.052	.038	.027	.017	.013	.009	
5.0	.145	.098	.063	.124	.085	.055	.086	.059	.039	.050	.035	.023	.016	.011	.008	
6.0	.138	.089	.054	.119	.077	.047	.082	.054	.033	.047	.032	.020	.015	.010	.007	
7.0	.132	.082	.047	.113	.071	.041	.078	.050	.029	.046	.029	.017	.015	.010	.006	
8.0	.126	.076	.042	.109	.066	.036	.075	.046	.026	.044	.027	.015	.014	.009	.005	
9.0	.121	.071	.037	.104	.062	.033	.072	.043	.023	.042	.026	.014	.014	.008	.005	
10.0	.116	.067	.034	.100	.058	.030	.070	.041	.021	.041	.024	.013	.013	.008	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:ZZX  
 Test Date:2024-06-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
 Humidity:65.0%  
 Test Distance:26.000m [K=0.4593]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## UGR(Unified Glare Rating) Table

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	17.1	18.3	17.5	18.6	19.0	16.8	18.0	17.1	18.3	18.7
3H	17.6	18.7	18.0	19.0	19.4	17.4	18.5	17.8	18.8	19.2
4H	17.7	18.7	18.2	19.1	19.5	17.6	18.6	18.0	19.0	19.4
6H	17.8	18.7	18.2	19.1	19.5	17.6	18.6	18.1	19.0	19.4
8H	17.8	18.7	18.2	19.1	19.5	17.6	18.5	18.1	18.9	19.4
12H	17.8	18.6	18.2	19.0	19.5	17.7	18.5	18.1	18.9	19.4
4H 2H	17.3	18.3	17.7	18.6	19.1	16.9	17.9	17.3	18.3	18.7
3H	17.9	18.8	18.4	19.2	19.6	17.7	18.5	18.1	18.9	19.3
4H	18.1	18.9	18.6	19.3	19.8	17.9	18.6	18.3	19.1	19.5
6H	18.2	18.9	18.7	19.3	19.8	18.0	18.6	18.5	19.1	19.6
8H	18.3	18.9	18.8	19.3	19.8	18.0	18.6	18.5	19.1	19.6
12H	18.3	18.8	18.8	19.3	19.8	18.1	18.6	18.6	19.1	19.6
8H 4H	18.1	18.7	18.6	19.2	19.7	17.9	18.5	18.4	18.9	19.4
6H	18.3	18.8	18.8	19.3	19.8	18.0	18.5	18.6	19.0	19.6
8H	18.4	18.8	18.9	19.3	19.9	18.1	18.5	18.7	19.1	19.6
12H	18.4	18.8	19.0	19.3	19.9	18.2	18.6	18.7	19.1	19.7
12H 4H	18.1	18.6	18.6	19.1	19.6	17.8	18.4	18.3	18.9	19.4
6H	18.3	18.7	18.8	19.2	19.8	18.0	18.5	18.6	18.9	19.5
8H	18.4	18.7	18.9	19.3	19.9	18.1	18.5	18.6	19.0	19.6
CIE190: 2010										

CIE190: 2010  
Area: 0.0606 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:ZZX  
Test Date:2024-06-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity:65.0%  
Test Distance:26.000m [K=0.4593]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

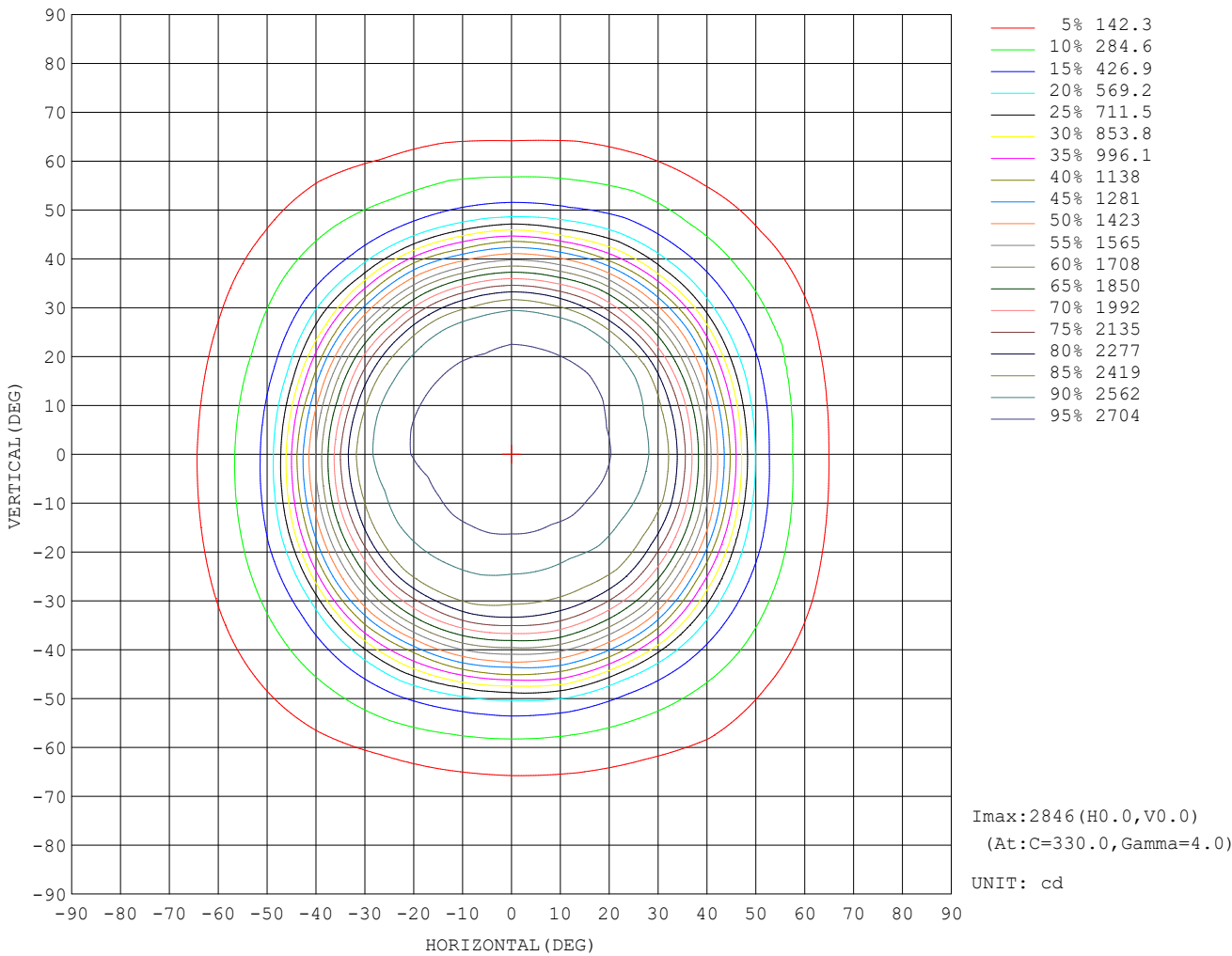
## UTILIZATION FACTORS TABLE

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) $k(RI) \times RCR = 5$									
$k = 0.60$	74	65	60	73	65	60	72	64	60	55
0.80	83	75	70	82	74	69	81	74	69	64
1.00	90	82	77	89	82	77	87	82	76	71
1.25	95	88	84	94	88	83	92	86	82	77
1.50	99	93	88	98	92	87	95	90	86	81
2.00	104	98	94	102	97	93	99	95	91	85
2.50	106	101	97	104	100	96	101	97	94	87
3.00	108	104	100	106	102	99	102	99	97	89
4.00	111	107	104	109	105	103	105	102	100	92
5.00	112	109	107	110	107	105	106	104	102	93
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004						Suspended			SHRNOM = 1.25	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: ZZX  
 Test Date: 2024-06-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
 Humidity: 65.0%  
 Test Distance: 26.000m [K=0.4593]  
 Remarks:

ISOCANDELA DIAGRAM

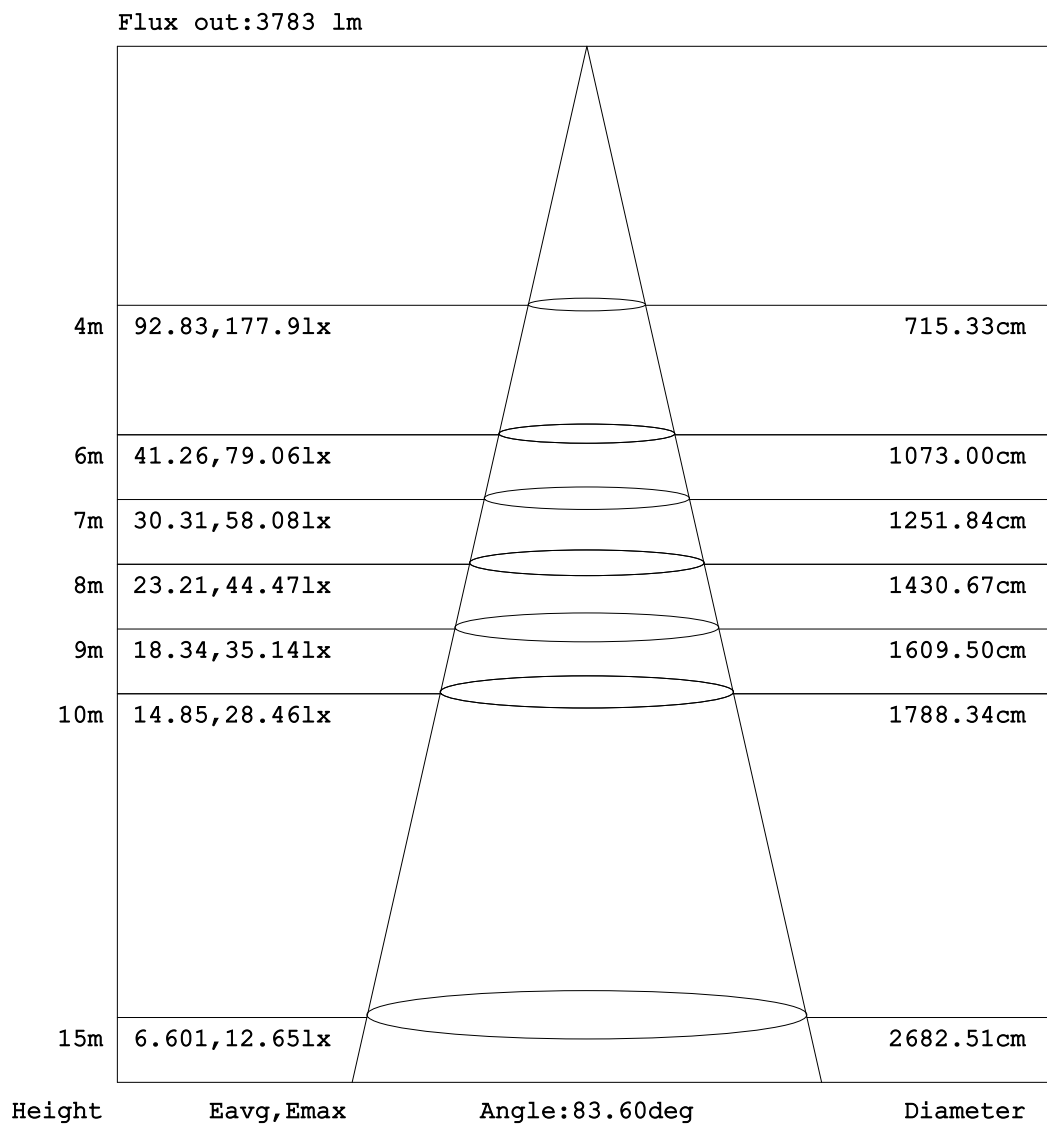


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:ZZX  
Test Date:2024-06-14

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity:65.0%  
Test Distance:26.000m [K=0.4593]  
Remarks:



## AAI Figure



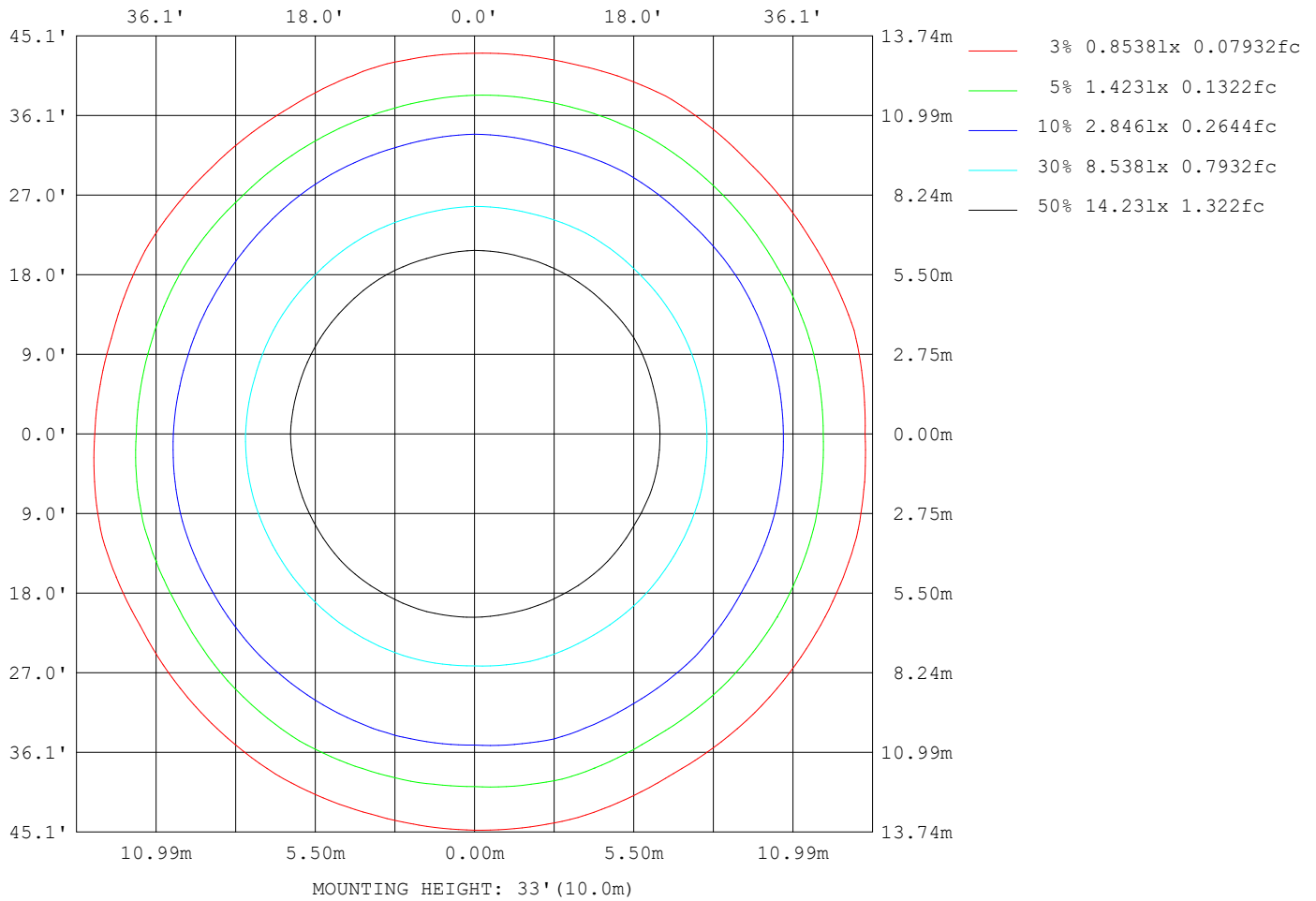
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: ZZX  
Test Date: 2024-06-14

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4593]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

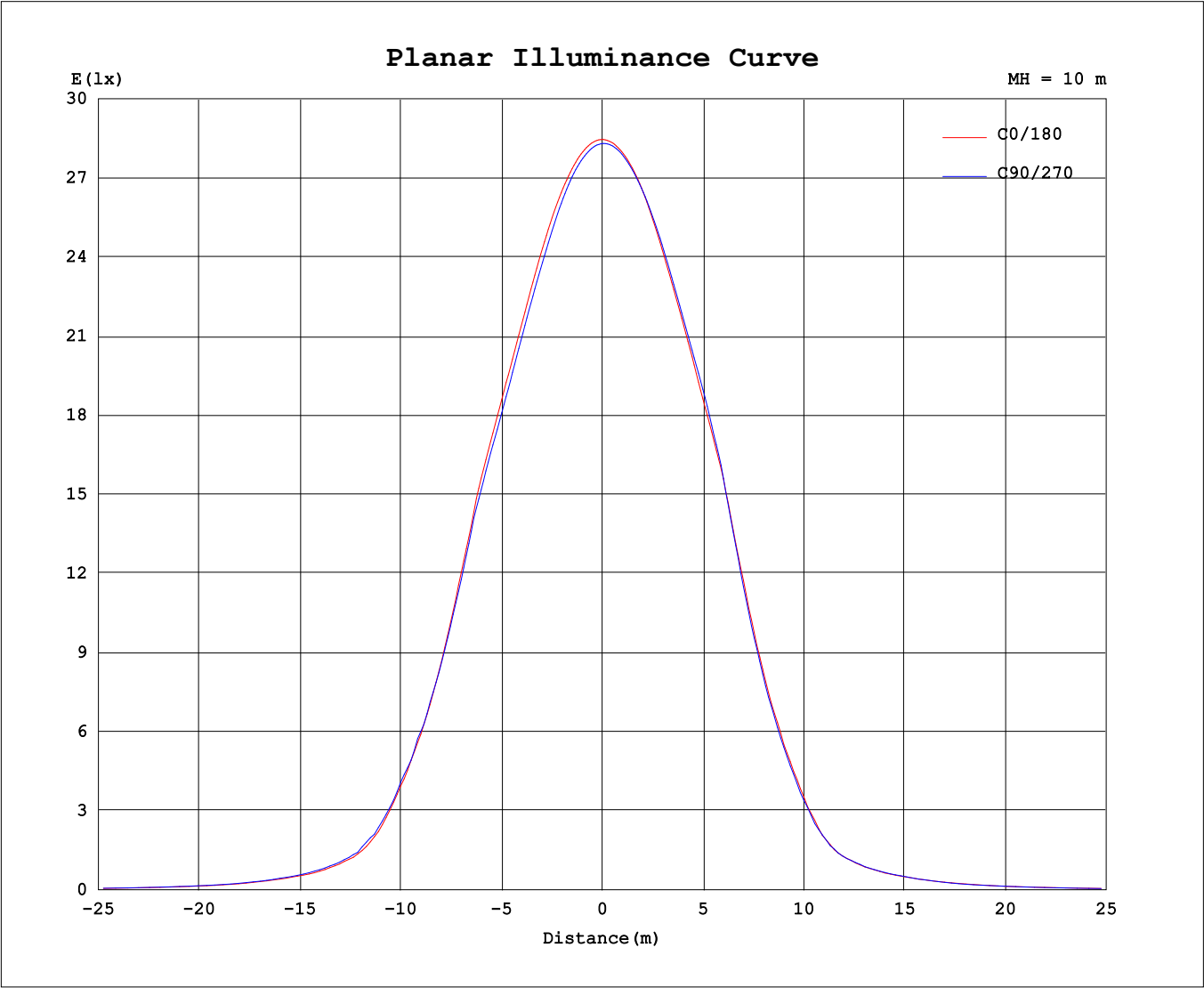
## ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: ZZX  
Test Date: 2024-06-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4593]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 15.0DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Temperature:25.3℃	Humidity:65.0%
Operators:ZZX	Test Distance:26.000m [K=0.4593]
Test Date:2024-06-14	Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

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	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832
5	2826	2824	2822	2822	2817	2818	2818	2819	2820	2822	2823	2823	2826	2828	2830	2830	2828	2830	2833
10	2805	2803	2795	2792	2785	2787	2785	2787	2791	2797	2798	2802	2807	2811	2813	2814	2812	2815	2818
15	2766	2756	2741	2737	2724	2724	2724	2730	2734	2742	2743	2751	2762	2768	2774	2776	2779	2784	2791
20	2697	2684	2662	2659	2646	2649	2651	2660	2662	2671	2672	2682	2698	2707	2709	2713	2721	2719	2738
25	2610	2596	2571	2568	2545	2548	2555	2574	2580	2591	2600	2606	2618	2626	2628	2645	2660	2650	2674
30	2499	2484	2461	2462	2439	2439	2448	2484	2489	2493	2496	2493	2501	2495	2490	2493	2512	2498	2543
35	2176	2184	2163	2184	2167	2162	2141	2163	2149	2163	2141	2150	2126	2058	2069	2035	2061	2073	2094
40	1654	1702	1689	1722	1700	1705	1671	1682	1662	1667	1637	1610	1564	1518	1497	1481	1507	1498	1548
45	1110	1117	1108	1156	1162	1174	1156	1127	1087	1110	1069	1051	992	918	866	883	919	922	960
50	559	577	594	606	597	634	614	588	593	562	519	512	481	454	449	447	455	465	484
55	342	373	374	368	366	374	376	365	370	358	332	344	317	303	308	307	307	326	323
60	227	241	244	243	241	251	243	236	236	234	222	221	212	194	201	209	198	206	207
65	141	147	151	158	152	156	152	147	139	143	140	139	134	124	125	132	129	135	131
70	86.7	88.8	93.9	99.9	93.3	93.0	92.9	92.3	85.2	86.6	83.2	84.0	80.3	76.3	74.9	77.0	76.8	75.1	74.4
75	51.9	53.8	54.1	59.3	55.1	56.2	55.0	54.9	49.3	51.6	49.6	49.5	45.0	44.4	42.8	44.4	44.8	44.1	43.7
80	27.8	28.0	29.3	30.3	28.2	29.6	28.3	27.7	27.4	27.2	26.4	26.4	24.1	24.5	22.9	23.0	23.5	22.1	22.4
85	13.9	14.1	15.0	15.7	14.7	15.5	15.1	15.0	14.6	14.6	14.4	13.5	12.6	12.4	11.9	11.2	12.2	11.7	11.7
90	6.30	6.34	6.94	6.80	6.39	7.20	6.71	6.85	6.63	6.58	6.68	6.69	6.61	6.25	6.16	6.01	6.44	6.40	6.17
95	5.35	5.18	5.11	4.96	5.29	5.33	5.40	5.18	5.24	5.53	5.98	6.37	6.49	6.39	6.39	6.35	6.54	6.64	6.58
100	7.03	6.46	6.50	6.31	6.55	6.57	6.76	6.69	6.96	6.98	8.05	8.26	8.23	7.20	6.80	6.73	7.67	7.91	7.99
105	7.19	6.89	6.83	6.69	6.78	6.74	6.75	6.46	6.36	6.40	6.92	7.04	7.14	6.50	6.29	6.36	6.83	7.03	7.21
110	6.75	6.69	6.77	6.42	6.50	6.40	6.43	6.22	6.05	5.86	6.05	6.33	6.64	6.08	5.73	5.89	6.16	6.34	6.30
115	6.64	6.44	6.28	6.22	6.24	6.13	5.93	6.00	5.84	5.75	6.18	6.57	7.02	6.79	6.32	6.59	6.83	7.09	6.91
120	8.32	7.53	7.02	6.87	7.11	7.02	6.78	6.85	6.69	6.89	7.40	8.28	8.85	8.43	7.54	7.97	8.47	8.87	8.62
125	10.1	8.97	8.58	8.56	8.53	8.51	8.11	7.95	7.78	7.81	9.08	9.21	10.6	9.77	8.74	9.27	9.90	9.90	9.85
130	10.2	9.74	9.48	9.31	9.61	9.54	9.30	9.50	9.64	9.72	9.80	9.89	11.2	10.9	10.7	11.1	11.4	11.7	11.8
135	12.7	12.1	11.8	11.6	11.9	12.0	11.9	11.9	11.9	11.9	11.4	11.5	12.7	12.5	12.3	12.4	12.8	13.2	13.3
140	12.7	12.4	12.1	12.1	12.4	12.5	12.3	12.1	12.1	12.2	11.9	11.8	13.0	12.9	12.7	12.7	13.0	13.4	13.5
145	12.7	12.3	12.2	12.1	12.4	12.4	12.4	12.1	12.2	12.1	11.8	11.7	13.0	13.0	12.8	12.7	13.0	13.2	13.2
150	12.5	12.2	12.1	12.0	12.1	12.1	12.1	11.9	12.1	12.1	11.8	11.7	13.0	13.0	12.9	12.8	12.9	13.0	13.0
155	12.4	12.2	12.1	12.0	12.0	12.1	12.1	12.1	12.2	12.3	12.1	12.0	13.4	13.3	13.3	13.3	13.3	13.3	13.4
160	13.0	12.9	12.8	12.7	12.7	12.6	12.7	12.8	12.9	12.9	12.9	12.8	14.2	14.2	14.2	14.2	14.2	14.1	14.2
165	15.1	15.0	14.9	14.9	14.9	14.7	14.8	14.8	14.9	14.9	15.0	14.9	15.7	15.9	15.9	15.8	15.7	15.6	15.7
170	17.2	17.2	17.2	17.2	17.1	17.1	17.1	17.1	17.2	17.1	17.1	17.1	17.3	17.3	17.3	17.2	17.1	17.0	17.0
175	19.6	19.7	19.5	19.5	19.6	19.7	19.7	19.6	19.5	19.5	19.5	19.5	19.1	19.2	19.2	19.3	19.3	19.1	19.1
180	19.6	19.6	19.6	19.6	19.6	19.7	19.7	19.7	19.6	19.7	19.6	19.6	19.7	19.6	19.6	19.6	19.7	19.7	19.7

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:ZZX  
Test Date:2024-06-14

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity:65.0%  
Test Distance:26.000m [K=0.4593]  
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	2832	2832	2832	2832	2832														
5	2830	2831	2833	2835	2831														
10	2819	2818	2822	2824	2819														
15	2793	2793	2793	2794	2782														
20	2740	2740	2740	2736	2718														
25	2675	2680	2681	2671	2636														
30	2541	2558	2562	2556	2524														
35	2096	2133	2137	2178	2180														
40	1549	1600	1584	1632	1644														
45	940	985	1013	1065	1085														
50	496	526	531	537	561														
55	330	352	333	339	372														
60	209	223	205	216	237														
65	141	138	129	129	145														
70	81.3	81.1	75.8	78.3	91.1														
75	46.6	49.2	44.1	45.3	52.7														
80	23.1	24.7	23.0	23.7	26.5														
85	11.9	12.5	11.5	12.6	13.5														
90	6.15	6.37	6.10	6.18	6.43														
95	6.33	6.15	5.98	5.76	5.59														
100	7.24	7.48	7.42	7.55	7.20														
105	6.99	6.90	7.20	7.36	7.22														
110	6.35	6.42	6.76	6.93	7.29														
115	6.65	6.68	6.99	7.15	7.26														
120	8.47	8.25	9.47	9.39	9.65														
125	9.72	9.62	10.6	11.0	11.3														
130	11.9	11.9	12.4	11.9	11.9														
135	13.5	13.8	14.5	14.0	14.2														
140	13.6	13.9	14.5	14.3	14.3														
145	13.4	13.7	14.3	14.2	14.2														
150	13.1	13.4	13.8	13.9	14.0														
155	13.5	13.7	13.8	13.8	13.8														
160	14.3	14.4	14.5	14.4	14.3														
165	15.7	15.7	15.7	15.7	15.7														
170	17.0	17.0	17.1	17.1	17.2														
175	19.0	19.1	19.1	19.1	19.1														
180	19.7	19.7	19.7	19.7	19.7														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:ZZX  
Test Date:2024-06-14

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity:65.0%  
Test Distance:26.000m [K=0.4593]  
Remarks: