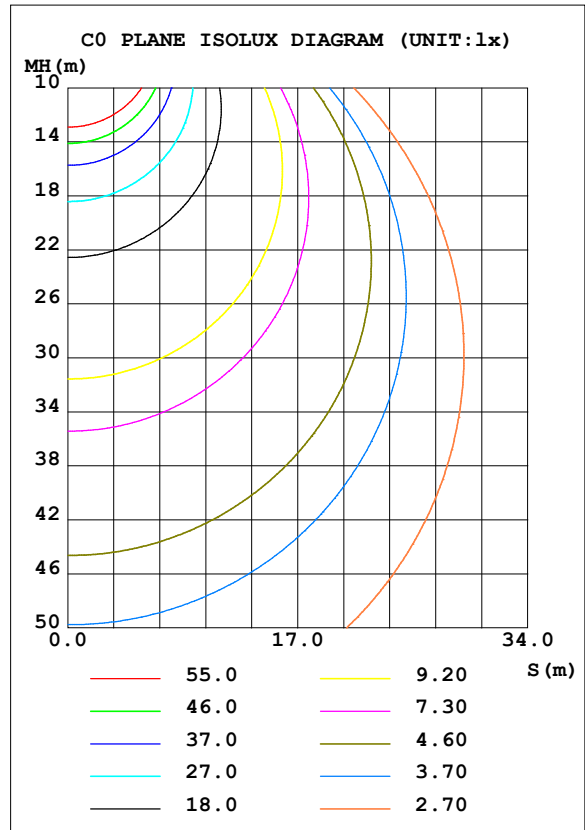
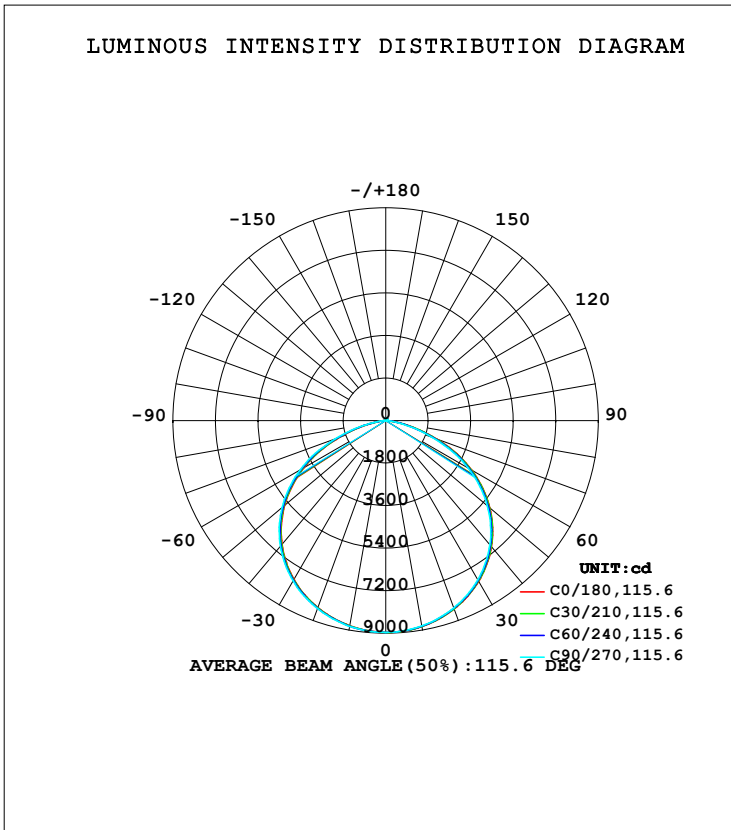


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: HB03-150W-5000K-170光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 168.63 lm/W			
MODE	HB03-150W-5000K-170光效	I _{max} (cd)	8962	S/MH (C0/180)	1.29
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.30
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	25915	η UP, DN (C0-180)	0.5, 49.2
NOMINAL FLUX (lm)	25914.8	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 49.7
LAMPS INSIDE	1	η up (%)	1.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	240	η down (%)	98.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: C
 Test Date: 12 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	8847	8840	8818	8810	8812	8815	8837	8845	0- 10	849.1	849.1	3.28,3.28
20	8481	8469	8431	8414	8416	8426	8464	8476	10- 20	2448	3297	12.7,12.7
30	7863	7850	7787	7766	7766	7785	7843	7866	20- 30	3765	7062	27.3,27.3
40	6966	6944	6857	6826	6833	6859	6942	6969	30- 40	4625	11687	45.1,45.1
50	5757	5731	5614	5579	5587	5614	5728	5765	40- 50	4874	16561	63.9,63.9
60	4212	4176	4040	3989	4007	4038	4184	4212	50- 60	4397	20959	80.9,80.9
70	2304	2250	2111	2050	2077	2117	2283	2328	60- 70	3142	24101	93,93
80	585.8	555.6	448.4	423.7	455.0	476.2	571.1	604.8	70- 80	1369	25470	98.3,98.3
90	7.341	7.388	7.832	8.033	9.997	9.755	9.254	9.400	80- 90	163.9	25634	98.9,98.9
100	16.03	16.29	17.07	17.39	19.84	19.44	18.52	18.15	90-100	13.98	25648	99,99
110	28.25	28.56	29.53	29.91	32.73	32.31	31.23	30.79	100-110	25.27	25673	99.1,99.1
120	41.30	41.66	42.56	42.96	45.93	45.54	44.54	44.08	110-120	36.67	25710	99.2,99.2
130	53.35	53.65	54.41	54.74	57.85	57.47	56.60	56.17	120-130	44.45	25754	99.4,99.4
140	63.91	64.18	64.69	64.91	68.04	67.69	67.02	66.64	130-140	47.00	25801	99.6,99.6
150	72.99	73.30	73.69	73.83	76.49	76.16	75.74	75.38	140-150	44.07	25845	99.7,99.7
160	81.53	81.84	82.11	82.21	84.13	83.87	83.60	83.37	150-160	36.37	25882	99.9,99.9
170	89.17	89.46	89.50	89.63	90.38	90.09	90.08	89.85	160-170	24.39	25906	100,100
180	93.62	94.11	94.00	94.30	94.11	93.80	94.22	94.15	170-180	8.742	25915	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 14136 lm

%lum = 54.5%

%lamp = 54.5%

Conical surface Flux(130deg): 22738 lm

%lum = 87.7%

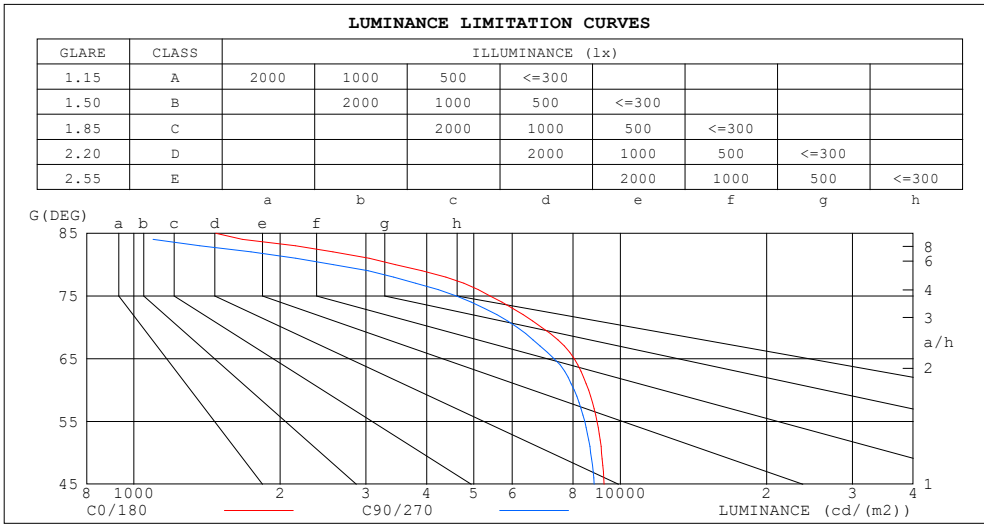
%lamp = 87.7%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:12 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: HB03-150W-5000K-170光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1473	720
80	3449	2572
75	5398	4607
70	6889	6147
65	8043	7316
60	8614	8048
55	8964	8453
50	9157	8698
45	9259	8841

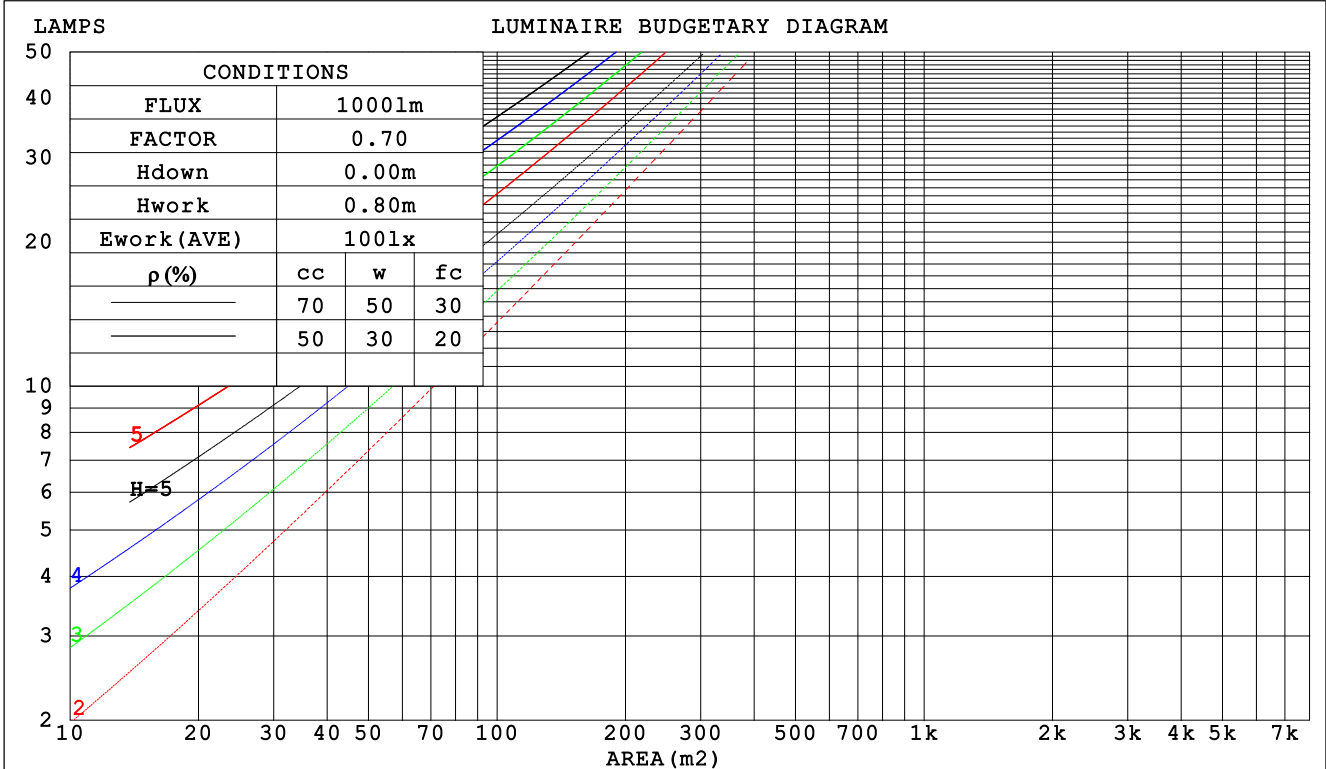
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:12 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: HB03-150W-5000K-170光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

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	1.01	1.01	1.01	.99
1.0	1.05	1.01	.97	1.02	.99	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.92	.85	.79	.90	.83	.78	.86	.81	.76	.82	.78	.74	.79	.76	.73	.70
3.0	.80	.72	.66	.79	.71	.65	.76	.69	.64	.73	.67	.63	.70	.66	.62	.59
4.0	.71	.63	.56	.70	.62	.55	.67	.60	.55	.65	.59	.54	.62	.57	.53	.51
5.0	.64	.55	.48	.62	.54	.48	.60	.53	.47	.58	.52	.47	.56	.50	.46	.44
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.52	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.32	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.43	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:12 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: HB03-150W-5000K-170光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

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						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.289	.165	.052	.282	.161	.051	.268	.154	.049	.256	.147	.047	.244	.141	.046	
2.0	.279	.153	.047	.273	.150	.046	.260	.145	.045	.249	.140	.044	.239	.135	.043	
3.0	.262	.139	.042	.256	.137	.041	.245	.133	.040	.235	.129	.040	.226	.125	.039	
4.0	.243	.127	.037	.238	.125	.037	.229	.121	.036	.220	.118	.036	.212	.115	.035	
5.0	.226	.115	.033	.222	.114	.033	.213	.111	.033	.205	.108	.032	.198	.106	.032	
6.0	.211	.106	.030	.207	.104	.030	.199	.102	.030	.192	.100	.029	.185	.097	.029	
7.0	.197	.097	.028	.193	.096	.027	.186	.094	.027	.180	.092	.027	.174	.090	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.087	.025	.169	.086	.025	.163	.084	.024	
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.075	.021	.146	.073	.021	

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	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.187	.165	.144	.160	.141	.124	.110	.097	.086	.063	.056	.050	.020	.018	.016	
2.0	.179	.140	.108	.153	.121	.093	.105	.084	.065	.061	.049	.038	.019	.016	.012	
3.0	.171	.123	.084	.147	.106	.073	.101	.074	.051	.058	.043	.030	.019	.014	.010	
4.0	.164	.109	.068	.141	.094	.059	.097	.066	.041	.056	.039	.024	.018	.013	.008	
5.0	.157	.099	.056	.135	.086	.049	.093	.060	.035	.054	.035	.021	.017	.011	.007	
6.0	.150	.091	.048	.129	.078	.042	.089	.055	.030	.052	.032	.018	.017	.011	.006	
7.0	.143	.084	.042	.123	.073	.037	.085	.051	.026	.049	.030	.015	.016	.010	.005	
8.0	.137	.078	.037	.118	.068	.033	.081	.047	.023	.047	.028	.014	.015	.009	.005	
9.0	.131	.073	.034	.113	.063	.030	.078	.045	.021	.045	.026	.013	.015	.009	.004	
10.0	.125	.069	.031	.108	.060	.027	.075	.042	.019	.044	.025	.012	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:12 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz										
Lamp Flux:25914.8x1 lm										
NAME: HB03-150W-5000K-170光效					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:			Shielding Angle:		
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	20.0	21.6	20.4	22.0	22.3	19.6	21.2	20.0	21.5	21.8
3H	21.6	23.0	22.0	23.4	23.8	21.0	22.4	21.4	22.8	23.2
4H	22.0	23.4	22.4	23.7	24.1	21.3	22.7	21.8	23.1	23.5
6H	22.2	23.5	22.7	23.9	24.3	21.5	22.7	21.9	23.1	23.5
8H	22.2	23.4	22.7	23.8	24.3	21.5	22.7	21.9	23.1	23.5
12H	22.2	23.4	22.7	23.8	24.2	21.5	22.6	21.9	23.0	23.4
4H 2H	20.6	21.9	21.0	22.3	22.7	20.1	21.5	20.5	21.8	22.2
3H	22.3	23.4	22.7	23.8	24.3	21.7	22.8	22.1	23.2	23.6
4H	22.8	23.8	23.3	24.3	24.7	22.1	23.1	22.5	23.5	24.0
6H	23.1	24.0	23.6	24.4	24.9	22.3	23.2	22.8	23.6	24.1
8H	23.1	23.9	23.6	24.4	24.9	22.3	23.1	22.8	23.6	24.1
12H	23.1	23.8	23.6	24.3	24.8	22.3	23.0	22.8	23.5	24.0
8H 4H	23.0	23.8	23.4	24.3	24.7	22.2	23.0	22.7	23.5	24.0
6H	23.3	23.9	23.8	24.5	25.0	22.4	23.1	22.9	23.6	24.1
8H	23.3	23.9	23.8	24.4	25.0	22.4	23.0	23.0	23.6	24.1
12H	23.3	23.9	23.8	24.4	25.0	22.4	22.9	22.9	23.5	24.0
12H 4H	23.0	23.7	23.5	24.2	24.7	22.2	22.9	22.7	23.4	23.9
6H	23.3	23.9	23.8	24.4	24.9	22.4	23.0	22.9	23.5	24.1
8H	23.3	23.9	23.8	24.4	25.0	22.4	23.0	23.0	23.5	24.1
CIE190: 2010										

CIE190: 2010
Area: 1 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:12 January 2022

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: HB03-150W-5000K-170光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

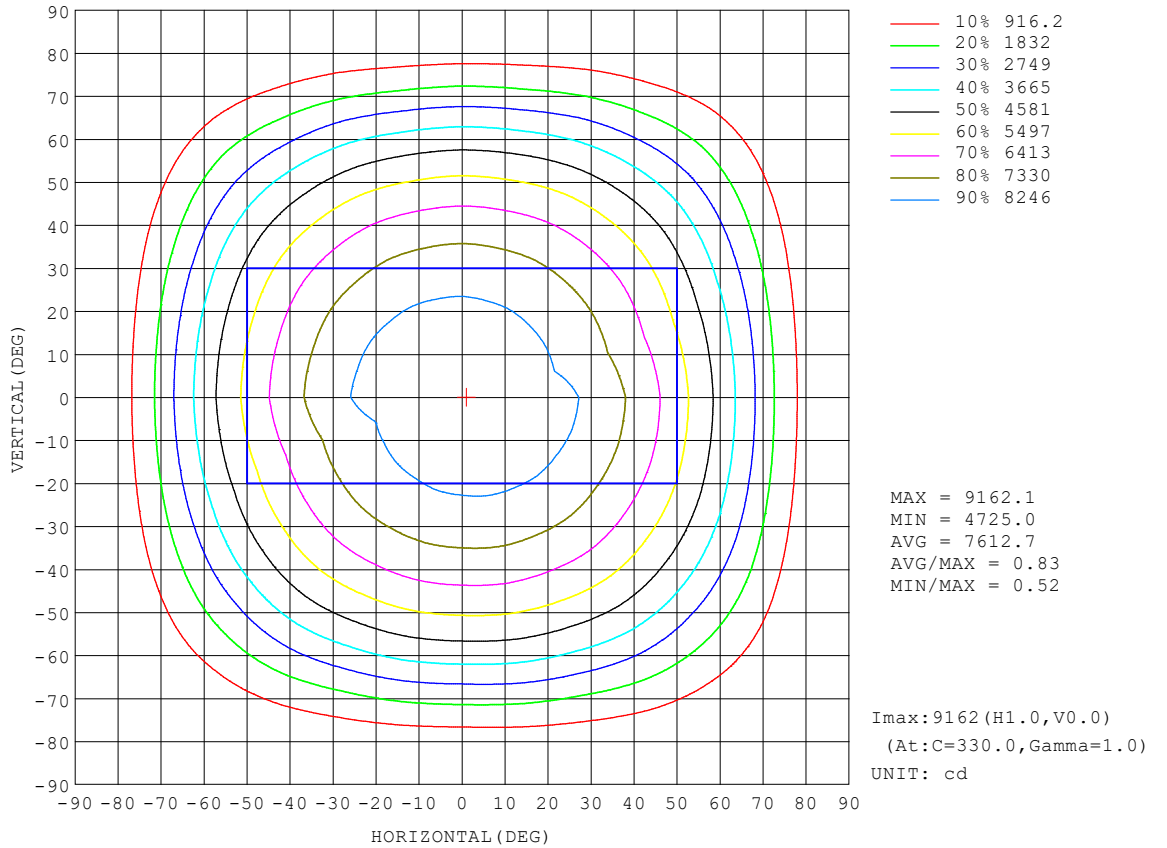
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	55	45	39	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	77	66	58	75	65	58	73	66	58	50
1.25	84	73	67	82	73	66	79	71	65	58
1.50	89	79	72	87	78	72	84	76	71	63
2.00	96	87	81	94	86	80	90	84	79	71
2.50	100	92	86	97	91	85	94	88	83	75
3.00	103	96	91	101	95	90	97	92	88	79
4.00	107	101	97	104	100	96	100	96	93	84
5.00	109	105	101	107	103	99	102	99	96	87
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:25.3DEG
 Operators:C
 Test Date:12 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: HB03-150W-5000K-170光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

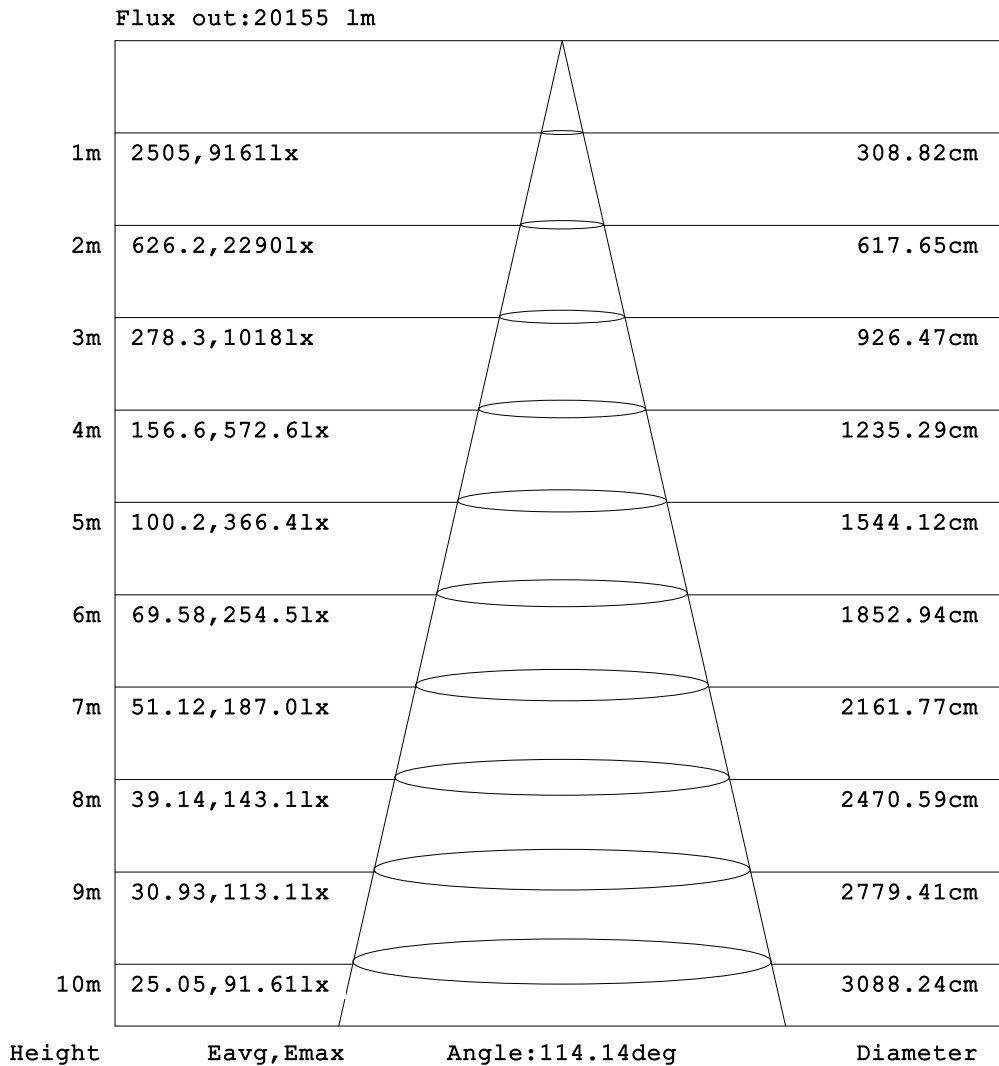


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:12 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

AAI Figure

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: HB03-150W-5000K-170光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



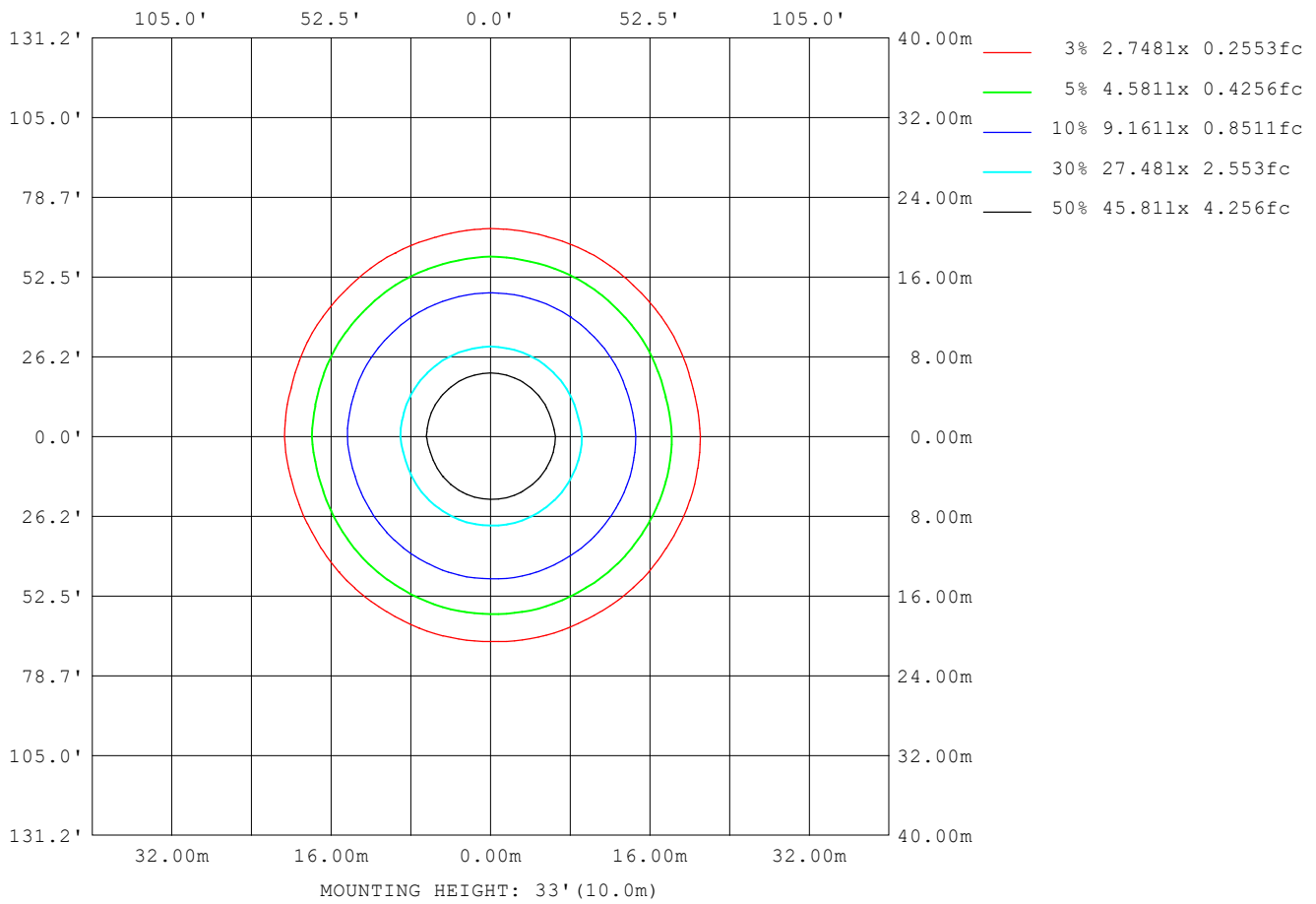
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:12 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: HB03-150W-5000K-170光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:12 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: HB03-150W-5000K-170光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

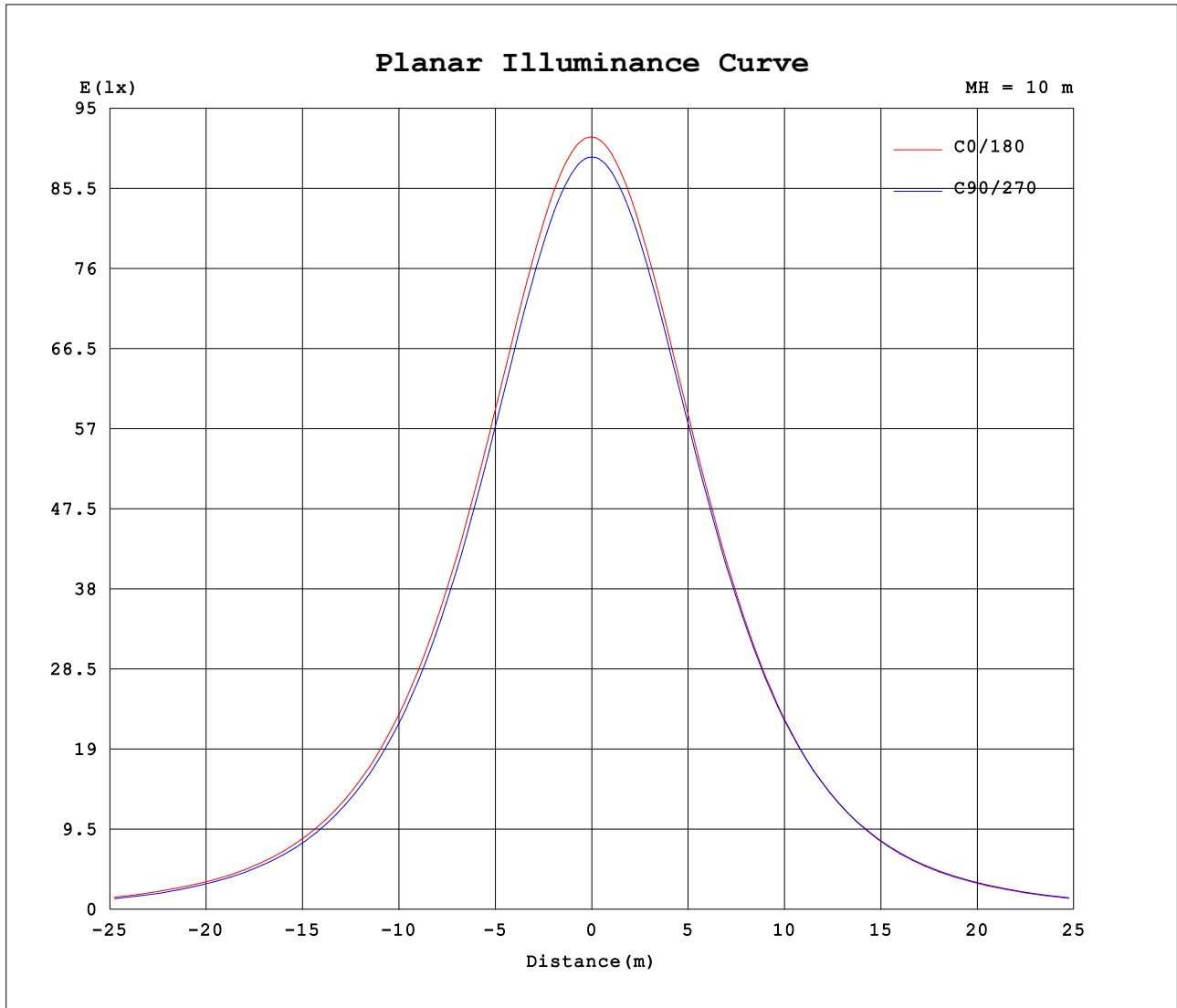
AvgL	cd/m2
L_0~180 (65) av	7610
L_0~180 (75) av	4932
L_0~180 (85) av	1076
L_90~270 (65) av	7568
L_90~270 (75) av	4932
L_90~270 (85) av	964
L_45 (65) av	7572
L_45 (75) av	4943
L_45 (85) av	1058

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:12 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: C
 Test Date: 12 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: HB03-150W-5000K-170光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

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	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960
5	8938	8939	8935	8934	8929	8929	8923	8922	8918	8919	8915	8917	8919	8917	8922	8922	8927	8928	8933
10	8847	8849	8841	8840	8831	8828	8818	8816	8809	8810	8805	8808	8812	8807	8818	8815	8827	8827	8837
15	8694	8696	8685	8683	8671	8668	8655	8652	8642	8641	8635	8639	8644	8638	8651	8651	8666	8665	8681
20	8481	8486	8470	8469	8451	8449	8431	8428	8413	8414	8404	8411	8416	8406	8426	8426	8444	8444	8464
25	8205	8212	8191	8194	8169	8169	8142	8143	8120	8125	8110	8122	8124	8118	8139	8139	8162	8163	8185
30	7863	7874	7847	7850	7817	7820	7787	7787	7759	7766	7747	7762	7766	7759	7784	7785	7812	7817	7843
35	7451	7462	7431	7433	7396	7394	7358	7358	7325	7333	7312	7327	7336	7327	7357	7358	7391	7393	7426
40	6966	6977	6943	6944	6902	6899	6857	6854	6818	6826	6802	6819	6833	6819	6859	6859	6899	6899	6942
45	6403	6416	6377	6378	6328	6326	6277	6275	6234	6242	6214	6235	6250	6236	6279	6279	6326	6328	6374
50	5757	5775	5726	5731	5673	5672	5614	5614	5566	5579	5545	5568	5587	5573	5620	5614	5671	5673	5728
55	5029	5047	4996	4999	4935	4931	4868	4865	4813	4826	4788	4815	4839	4817	4877	4866	4935	4929	4999
60	4212	4228	4174	4176	4108	4103	4040	4033	3976	3989	3951	3979	4007	3978	4049	4038	4111	4102	4184
65	3325	3339	3277	3281	3206	3189	3104	3114	3047	3050	2993	3048	3108	3070	3146	3141	3219	3206	3293
70	2304	2333	2261	2250	2168	2175	2111	2091	2022	2050	2019	2041	2077	2066	2146	2117	2197	2202	2283
75	1366	1399	1336	1339	1261	1266	1197	1203	1144	1157	1112	1154	1186	1172	1226	1228	1282	1286	1355
80	586	597	558	556	510	499	448	452	412	424	398	423	455	440	475	476	518	520	571
85	126	111	104	92.9	85.0	75.5	63.0	60.4	49.5	52.4	47.7	51.6	62.0	60.1	71.0	87.1	84.4	94.1	105
90	7.34	7.36	7.43	7.39	7.59	7.62	7.83	7.86	8.06	8.03	8.17	8.06	10.00	10.0	9.77	9.75	9.48	9.45	9.25
95	11.1	11.0	11.3	11.3	11.6	11.6	11.9	11.9	12.2	12.2	12.4	12.2	14.4	14.4	14.1	14.1	13.7	13.7	13.3
100	16.0	16.0	16.3	16.3	16.7	16.7	17.1	17.1	17.4	17.4	17.6	17.4	19.8	19.8	19.5	19.4	19.1	18.9	18.5
105	21.8	21.8	22.1	22.1	22.5	22.6	23.0	23.1	23.4	23.4	23.7	23.5	26.0	26.1	25.7	25.6	25.2	25.1	24.6
110	28.2	28.2	28.5	28.6	29.0	29.1	29.5	29.6	30.0	29.9	30.2	30.0	32.7	32.7	32.4	32.3	31.8	31.7	31.2
115	34.8	34.8	35.1	35.2	35.6	35.7	36.1	36.2	36.6	36.5	36.8	36.6	39.4	39.4	39.0	39.0	38.5	38.5	37.9
120	41.3	41.3	41.6	41.7	42.0	42.1	42.6	42.7	43.0	43.0	43.2	43.1	45.9	45.9	45.6	45.5	45.1	45.0	44.5
125	47.5	47.5	47.7	47.8	48.1	48.3	48.6	48.8	49.0	49.1	49.3	49.2	52.1	52.0	51.8	51.7	51.3	51.2	50.8
130	53.4	53.4	53.6	53.6	53.9	54.1	54.4	54.5	54.8	54.7	55.0	54.8	57.9	57.8	57.6	57.5	57.1	57.0	56.6
135	58.9	58.9	59.0	59.1	59.3	59.5	59.7	59.8	60.0	60.1	60.3	60.1	63.2	63.1	63.0	62.8	62.5	62.4	62.0
140	63.9	64.0	64.1	64.2	64.3	64.5	64.7	64.8	64.9	64.9	65.1	65.0	68.0	67.9	67.8	67.7	67.5	67.3	67.0
145	68.5	68.6	68.6	68.8	68.9	69.0	69.2	69.3	69.3	69.3	69.4	69.4	72.4	72.3	72.3	72.1	71.9	71.7	71.5
150	73.0	73.1	73.1	73.3	73.4	73.5	73.7	73.8	73.8	73.8	73.9	73.9	76.5	76.3	76.4	76.2	76.1	75.9	75.7
155	77.4	77.6	77.6	77.8	77.8	78.0	78.0	78.2	78.2	78.2	78.3	78.3	80.4	80.2	80.2	80.1	80.0	79.8	79.7
160	81.5	81.7	81.7	81.8	81.9	82.0	82.1	82.2	82.2	82.2	82.3	82.3	84.1	84.0	84.0	83.9	83.8	83.7	83.6
165	85.5	85.7	85.6	85.7	85.7	85.9	85.9	86.0	86.0	86.0	86.1	86.1	87.5	87.2	87.4	87.2	87.2	87.1	87.0
170	89.2	89.4	89.3	89.5	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.7	90.4	90.1	90.3	90.1	90.2	90.0	90.1
175	92.2	92.5	92.2	92.5	92.3	92.6	92.4	92.6	92.5	92.6	92.6	92.6	92.8	92.4	92.7	92.4	92.7	92.5	92.6
180	93.6	94.1	93.7	94.1	93.8	94.2	94.0	94.3	94.1	94.3	94.1	94.1	94.1	93.7	94.1	93.8	94.1	93.9	94.2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:12 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: HB03-150W-5000K-170光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	8960	8960	8960	8960	8960														
5	8933	8937	8937	8940	8938														
10	8836	8846	8845	8852	8848														
15	8679	8694	8691	8701	8694														
20	8463	8481	8476	8490	8482														
25	8187	8207	8203	8218	8210														
30	7845	7868	7866	7882	7872														
35	7428	7457	7454	7473	7461														
40	6940	6977	6969	6995	6978														
45	6376	6416	6406	6436	6418														
50	5727	5774	5765	5798	5772														
55	4991	5048	5032	5076	5038														
60	4168	4236	4212	4266	4218														
65	3288	3356	3329	3388	3347														
70	2257	2335	2328	2387	2332														
75	1352	1403	1393	1445	1406														
80	572	618	605	637	608														
85	113	122	136	131	136														
90	9.29	9.40	9.40	9.83	9.41														
95	13.2	12.9	13.0	12.8	13.0														
100	18.5	18.1	18.2	17.9	18.1														
105	24.5	24.1	24.2	23.9	24.1														
110	31.2	30.7	30.8	30.5	30.7														
115	37.9	37.4	37.5	37.2	37.5														
120	44.5	44.1	44.1	43.8	44.0														
125	50.7	50.3	50.3	50.1	50.2														
130	56.5	56.2	56.2	55.9	56.1														
135	62.0	61.6	61.7	61.4	61.6														
140	66.9	66.7	66.6	66.5	66.5														
145	71.4	71.2	71.2	71.0	71.1														
150	75.6	75.5	75.4	75.3	75.3														
155	79.6	79.5	79.4	79.3	79.3														
160	83.5	83.4	83.4	83.2	83.3														
165	86.9	86.9	86.8	86.8	86.7														
170	89.9	90.0	89.8	89.9	89.8														
175	92.5	92.6	92.4	92.5	92.4														
180	94.1	94.3	94.1	94.3	94.0														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:12 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

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	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960
3.0	8955	8955	8953	8953	8950	8950	8946	8945	8943	8943
6.0	8925	8927	8922	8922	8916	8916	8908	8907	8901	8903
9.0	8871	8872	8865	8865	8855	8854	8845	8843	8835	8836
12.0	8793	8797	8786	8787	8773	8772	8759	8761	8750	8753
15.0	8694	8696	8685	8683	8671	8668	8655	8652	8642	8641
18.0	8572	8578	8562	8564	8546	8545	8527	8526	8511	8514
21.0	8431	8437	8418	8420	8400	8398	8378	8377	8358	8363
24.0	8265	8272	8252	8253	8231	8229	8206	8204	8184	8187
27.0	8076	8084	8061	8063	8037	8035	8008	8008	7984	7988
30.0	7863	7874	7847	7850	7817	7820	7787	7787	7759	7766
33.0	7626	7633	7606	7606	7575	7570	7539	7535	7509	7511
36.0	7360	7372	7339	7342	7304	7303	7264	7264	7230	7238
39.0	7067	7078	7046	7046	7005	7002	6962	6960	6926	6933
42.0	6752	6763	6727	6727	6682	6678	6635	6631	6595	6602
45.0	6403	6416	6377	6378	6328	6326	6277	6275	6234	6242
48.0	6026	6040	5996	5998	5947	5942	5890	5886	5843	5853
51.0	5620	5633	5588	5588	5535	5529	5474	5469	5423	5433
54.0	5181	5201	5148	5153	5090	5088	5025	5023	4969	4986
57.0	4711	4727	4675	4677	4612	4608	4543	4539	4485	4501
60.0	4212	4228	4174	4176	4108	4103	4040	4033	3976	3989
63.0	3686	3706	3647	3649	3577	3576	3505	3504	3438	3449
66.0	3134	3140	3070	3083	3002	2985	2892	2902	2831	2847
69.0	2516	2532	2451	2452	2369	2376	2300	2283	2215	2247
72.0	1908	1943	1884	1872	1789	1795	1731	1726	1650	1680
75.0	1366	1399	1336	1339	1261	1266	1197	1203	1144	1157
78.0	890.6	887.1	830.5	836.1	781.0	770.3	714.1	708.7	667.6	677.2
81.0	466.2	472.0	430.7	433.3	388.0	383.2	338.1	357.2	310.9	332.7
84.0	170.9	176.7	152.8	152.0	126.6	125.3	114.9	103.7	97.05	92.26
87.0	34.99	37.73	31.39	30.71	24.79	24.54	20.01	19.90	17.94	18.07
90.0	7.341	7.362	7.433	7.388	7.588	7.619	7.832	7.861	8.063	8.033
93.0	9.409	9.359	9.569	9.577	9.847	9.867	10.17	10.18	10.42	10.38
96.0	11.99	11.93	12.18	12.18	12.52	12.53	12.89	12.88	13.20	13.12
99.0	14.96	14.90	15.20	15.21	15.57	15.60	15.98	16.00	16.34	16.28
102.0	18.24	18.22	18.50	18.54	18.90	18.98	19.35	19.42	19.76	19.70
105.0	21.81	21.78	22.09	22.14	22.53	22.60	23.02	23.07	23.43	23.40
108.0	25.64	25.60	25.92	25.97	26.39	26.46	26.90	26.94	27.34	27.29
111.0	29.57	29.53	29.87	29.91	30.33	30.41	30.87	30.90	31.31	31.25
114.0	33.53	33.48	33.82	33.86	34.29	34.37	34.81	34.87	35.25	35.19
117.0	37.46	37.43	37.75	37.81	38.20	38.30	38.73	38.80	39.18	39.15
120.0	41.30	41.30	41.57	41.66	42.03	42.15	42.56	42.65	42.99	42.96
123.0	45.02	45.04	45.30	45.37	45.74	45.86	46.24	46.33	46.64	46.63
126.0	48.68	48.71	48.91	49.01	49.34	49.48	49.84	49.95	50.23	50.23
129.0	52.22	52.26	52.42	52.52	52.80	52.94	53.28	53.39	53.65	53.64
132.0	55.57	55.60	55.79	55.85	56.15	56.23	56.58	56.63	56.94	56.90
135.0	58.86	58.87	59.02	59.11	59.35	59.45	59.74	59.81	60.04	60.05
138.0	61.94	62.00	62.12	62.19	62.39	62.51	62.77	62.83	63.01	63.02
141.0	64.85	64.93	65.00	65.14	65.26	65.39	65.61	65.71	65.80	65.82
144.0	67.57	67.68	67.72	67.87	67.99	68.13	68.32	68.40	68.46	68.48
147.0	70.27	70.39	70.41	70.56	70.67	70.82	71.00	71.10	71.13	71.13
150.0	72.99	73.13	73.13	73.30	73.38	73.54	73.69	73.81	73.82	73.83
153.0	75.71	75.88	75.84	76.02	76.08	76.26	76.37	76.50	76.51	76.55
156.0	78.24	78.44	78.38	78.57	78.59	78.75	78.86	78.97	78.99	79.01
159.0	80.70	80.88	80.85	81.02	81.06	81.22	81.31	81.40	81.41	81.41
162.0	83.13	83.31	83.24	83.42	83.45	83.60	83.67	83.76	83.74	83.76
165.0	85.45	85.65	85.55	85.75	85.75	85.90	85.94	86.04	86.02	86.03
168.0	87.72	87.96	87.81	88.01	87.94	88.13	88.11	88.23	88.19	88.24
171.0	89.86	90.13	89.92	90.15	90.03	90.20	90.16	90.30	90.25	90.32
174.0	91.74	91.99	91.73	92.01	91.84	92.07	91.95	92.14	92.05	92.17
177.0	92.93	93.27	93.35	93.35	93.11	93.39	93.21	93.44	93.31	93.46
180.0	93.62	94.07	93.71	94.11	93.84	94.20	94.00	94.29	94.12	94.30
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960
3.0	8942	8943	8944	8942	8945	8946	8948	8949	8952	8952
6.0	8898	8901	8903	8901	8906	8906	8913	8914	8919	8920
9.0	8833	8835	8838	8834	8843	8843	8852	8852	8862	8861
12.0	8744	8750	8750	8748	8757	8757	8768	8771	8780	8782
15.0	8635	8639	8644	8638	8651	8651	8666	8665	8681	8679
18.0	8504	8511	8516	8509	8525	8525	8540	8541	8558	8559
21.0	8351	8359	8363	8354	8375	8374	8393	8393	8414	8413
24.0	8175	8184	8188	8181	8201	8201	8224	8225	8248	8248
27.0	7972	7984	7991	7984	8006	8003	8031	8032	8057	8057
30.0	7747	7762	7766	7759	7784	7785	7812	7817	7843	7845

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:C

Test Date:12 January 2022

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446

Humidity:65.0%

Test Distance:8.000m [K=1.0000]

Remarks:

Photometric Data Table [cd]

33.0	7493	7506	7519	7508	7538	7535	7571	7569	7603	7601
36.0	7216	7234	7241	7230	7264	7259	7299	7298	7335	7334
39.0	6909	6926	6938	6931	6962	6960	7001	7004	7041	7046
42.0	6576	6595	6608	6590	6635	6631	6677	6672	6722	6716
45.0	6214	6235	6250	6236	6279	6279	6326	6328	6374	6376
48.0	5822	5845	5860	5843	5892	5893	5941	5942	5994	5994
51.0	5402	5424	5445	5428	5479	5472	5532	5531	5590	5587
54.0	4947	4975	4996	4977	5034	5026	5089	5087	5152	5148
57.0	4460	4488	4514	4500	4553	4548	4614	4619	4681	4682
60.0	3951	3979	4007	3978	4049	4038	4111	4102	4184	4168
63.0	3404	3448	3478	3453	3520	3510	3584	3586	3661	3655
66.0	2787	2840	2900	2874	2943	2944	3017	3008	3087	3095
69.0	2207	2232	2275	2267	2333	2314	2399	2403	2469	2461
72.0	1640	1676	1702	1687	1766	1740	1814	1814	1905	1881
75.0	1112	1154	1186	1172	1226	1228	1282	1286	1355	1352
78.0	653.6	675.0	712.1	697.9	738.6	730.9	797.5	789.9	846.6	856.2
81.0	296.9	331.8	359.6	332.0	359.7	360.9	400.3	400.8	445.3	452.2
84.0	92.01	90.73	105.9	110.6	117.3	134.1	136.5	138.2	165.2	164.8
87.0	16.85	17.88	21.38	20.82	23.92	23.84	29.28	29.71	37.10	36.15
90.0	8.172	8.060	9.997	10.02	9.775	9.755	9.477	9.445	9.254	9.292
93.0	10.58	10.41	12.48	12.54	12.24	12.22	11.87	11.83	11.47	11.44
96.0	13.36	13.17	15.41	15.46	15.09	15.10	14.69	14.66	14.24	14.23
99.0	16.53	16.33	18.68	18.69	18.38	18.32	17.91	17.83	17.41	17.37
102.0	19.94	19.77	22.25	22.27	21.92	21.84	21.42	21.30	20.86	20.80
105.0	23.66	23.46	26.05	26.07	25.70	25.63	25.17	25.07	24.58	24.51
108.0	27.56	27.37	30.02	30.05	29.65	29.60	29.12	29.03	28.52	28.45
111.0	31.54	31.33	34.06	34.07	33.70	33.63	33.17	33.08	32.58	32.51
114.0	35.48	35.29	38.08	38.08	37.71	37.64	37.20	37.09	36.60	36.55
117.0	39.42	39.23	42.05	42.03	41.69	41.62	41.23	41.11	40.63	40.54
120.0	43.22	43.06	45.93	45.90	45.60	45.54	45.13	45.01	44.54	44.45
123.0	46.87	46.73	49.64	49.61	49.36	49.28	48.89	48.75	48.32	48.23
126.0	50.46	50.33	53.26	53.23	53.00	52.87	52.52	52.37	51.97	51.86
129.0	53.88	53.74	56.76	56.69	56.51	56.35	56.03	55.85	55.50	55.36
132.0	57.15	56.98	60.02	60.03	59.80	59.70	59.34	59.23	58.83	58.77
135.0	60.27	60.13	63.18	63.14	62.97	62.85	62.52	62.39	62.03	61.95
138.0	63.21	63.11	66.18	66.11	65.97	65.82	65.56	65.40	65.09	64.98
141.0	65.96	65.91	68.96	68.85	68.77	68.60	68.39	68.21	67.97	67.83
144.0	68.60	68.57	71.57	71.44	71.40	71.22	71.06	70.86	70.68	70.53
147.0	71.24	71.23	74.07	73.92	73.92	73.72	73.60	73.40	73.24	73.09
150.0	73.91	73.92	76.49	76.33	76.35	76.16	76.08	75.88	75.74	75.57
153.0	76.63	76.60	78.85	78.66	78.72	78.50	78.47	78.25	78.17	77.99
156.0	79.11	79.04	81.12	80.98	81.00	80.86	80.79	80.63	80.50	80.39
159.0	81.51	81.46	83.40	83.25	83.28	83.15	83.11	82.97	82.85	82.75
162.0	83.83	83.79	85.51	85.32	85.42	85.25	85.25	85.09	85.04	84.92
165.0	86.10	86.05	87.47	87.23	87.39	87.20	87.24	87.05	87.04	86.91
168.0	88.26	88.27	89.26	88.99	89.18	88.99	89.08	88.88	88.91	88.77
171.0	90.32	90.33	90.91	90.57	90.80	90.60	90.75	90.55	90.63	90.47
174.0	92.11	92.16	92.34	91.96	92.25	92.01	92.22	92.02	92.16	92.00
177.0	93.34	93.42	93.52	93.14	93.48	93.23	93.49	93.26	93.45	93.30
180.0	94.14	94.15	94.11	93.67	94.09	93.80	94.14	93.95	94.22	94.09
G/C	300.0	315.0	330.0	345.0						
0.0	8960	8960	8960	8960						
3.0	8954	8954	8956	8955						
6.0	8924	8924	8928	8925						
9.0	8870	8869	8875	8870						
12.0	8792	8793	8799	8795						
15.0	8694	8691	8701	8694						
18.0	8574	8571	8583	8577						
21.0	8432	8426	8441	8434						
24.0	8268	8264	8279	8269						
27.0	8080	8077	8092	8081						
30.0	7868	7866	7882	7872						
33.0	7632	7625	7647	7631						
36.0	7367	7360	7383	7366						
39.0	7076	7074	7094	7080						
42.0	6760	6749	6780	6756						
45.0	6416	6406	6436	6418						
48.0	6038	6028	6061	6039						
51.0	5637	5625	5661	5632						
54.0	5200	5188	5227	5195						
57.0	4731	4722	4759	4732						
60.0	4236	4212	4266	4218						
63.0	3712	3695	3744	3711						
66.0	3160	3141	3195	3164						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:C

Test Date:12 January 2022

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446

Humidity:65.0%

Test Distance:8.000m [K=1.0000]

Remarks:

Photometric Data Table [cd]

69.0	2538	2529	2581	2543
72.0	1944	1934	2006	1944
75.0	1403	1393	1445	1406
78.0	918.2	894.6	929.5	903.7
81.0	494.0	480.9	511.2	486.7
84.0	187.6	184.0	199.5	184.1
87.0	42.37	41.93	46.98	40.75
90.0	9.403	9.400	9.826	9.406
93.0	11.15	11.21	11.01	11.17
96.0	13.87	13.96	13.70	13.90
99.0	17.00	17.08	16.81	17.01
102.0	20.41	20.47	20.21	20.40
105.0	24.11	24.17	23.92	24.10
108.0	28.04	28.10	27.80	28.03
111.0	32.08	32.14	31.83	32.07
114.0	36.11	36.17	35.88	36.10
117.0	40.13	40.17	39.89	40.10
120.0	44.07	44.08	43.81	44.00
123.0	47.86	47.86	47.61	47.80
126.0	51.53	51.49	51.28	51.44
129.0	55.07	55.03	54.81	54.96
132.0	58.41	58.45	58.16	58.36
135.0	61.64	61.66	61.40	61.57
138.0	64.73	64.72	64.52	64.62
141.0	67.63	67.57	67.40	67.48
144.0	70.36	70.29	70.13	70.20
147.0	72.96	72.87	72.74	72.77
150.0	75.46	75.38	75.26	75.28
153.0	77.91	77.81	77.73	77.72
156.0	80.26	80.21	80.10	80.13
159.0	82.64	82.61	82.50	82.52
162.0	84.84	84.79	84.70	84.70
165.0	86.89	86.82	86.76	86.74
168.0	88.78	88.68	88.67	88.61
171.0	90.52	90.39	90.43	90.32
174.0	92.08	91.96	92.02	91.90
177.0	93.47	93.33	93.43	93.25
180.0	94.31	94.15	94.29	94.02

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:12 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: