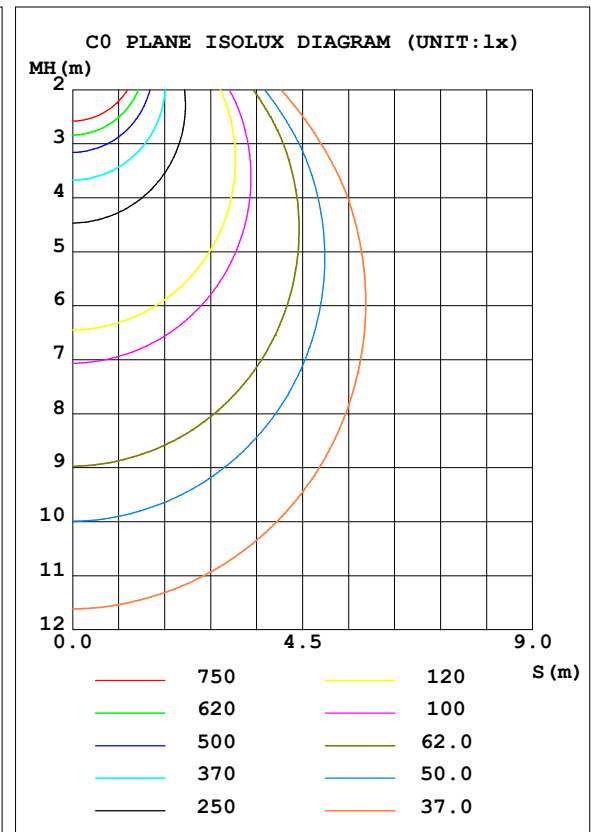
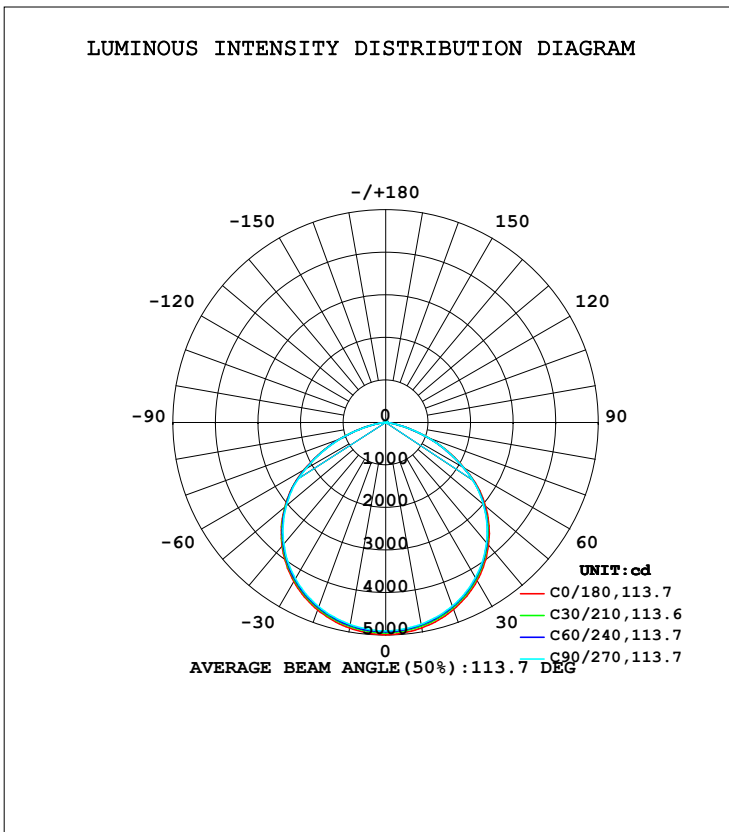


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:272.02V I:0.3710A P:100.90W PF:0.9632 Freq:50.04Hz Lamp Flux:13765.3x1 lm		
NAME: HB03-100W-4000K-120°	TYPE:0	
MFR.: EVERFINE		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.43 lm/W			
MODEL	HB03-100W-4000K-120°	I _{max} (cd)	4990	S/MH (C0/180)	1.29
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	13765	η UP, DN (C0-180)	0.5, 49.2
NOMINAL FLUX (lm)	13765.3	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.5, 49.8
LAMPS INSIDE	1	η up (%)	1.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	277	η down (%)	99.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: C
 Test Date: 07 November 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

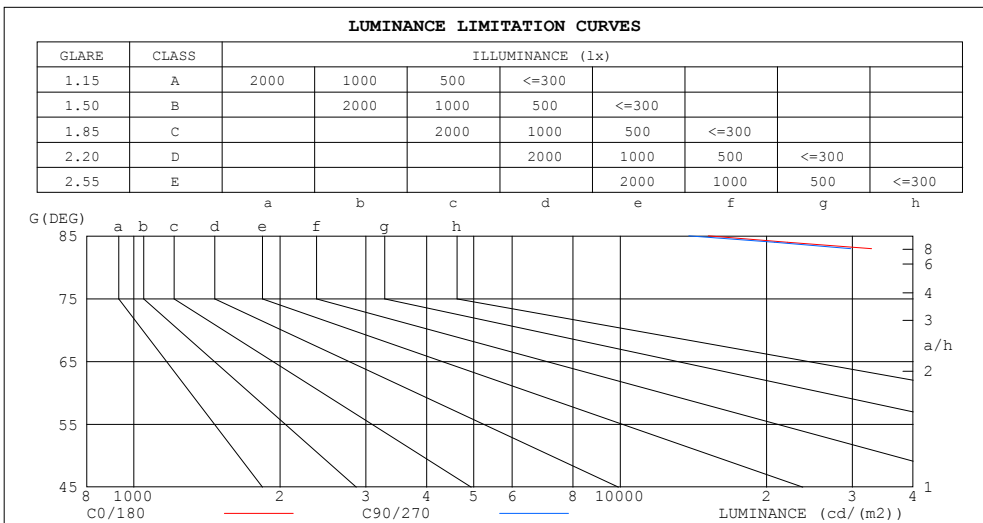
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4902	4848	4812	4793	4909	4854	4821	4793	0- 10	464.8	464.8	3.38,3.38
20	4676	4624	4590	4578	4688	4638	4608	4578	10- 20	1338	1803	13.1,13.1
30	4297	4250	4219	4210	4318	4271	4244	4214	20- 30	2050	3853	28,28
40	3763	3719	3690	3691	3791	3748	3728	3692	30- 40	2502	6355	46.2,46.2
50	3065	3030	2999	3010	3100	3062	3053	3013	40- 50	2619	8974	65.2,65.2
60	2127	2113	2097	2130	2208	2156	2157	2095	50- 60	2334	11308	82.1,82.1
70	1088	1086	1081	1108	1164	1139	1139	1096	60- 70	1603	12910	93.8,93.8
80	199.8	200.7	197.5	209.8	244.0	231.6	240.7	213.2	70- 80	655.2	13566	98.5,98.5
90	3.284	3.211	3.192	3.062	3.556	3.532	3.464	3.563	80- 90	61.68	13627	99,99
100	7.779	7.676	7.630	7.388	8.253	8.138	8.079	8.190	90-100	5.898	13633	99,99
110	14.14	13.97	13.87	13.58	14.82	14.62	14.53	14.64	100-110	11.54	13645	99.1,99.1
120	21.06	20.87	20.70	20.41	21.91	21.63	21.49	21.57	110-120	17.53	13662	99.3,99.3
130	27.50	27.27	27.04	26.77	28.45	28.08	27.92	27.96	120-130	21.84	13684	99.4,99.4
140	33.10	32.79	32.66	32.33	34.13	33.69	33.46	33.48	130-140	23.49	13708	99.6,99.6
150	37.96	37.70	37.44	37.16	39.02	38.43	38.20	38.13	140-150	22.27	13730	99.7,99.7
160	42.46	42.17	41.84	41.59	43.28	42.59	42.31	42.18	150-160	18.50	13748	99.9,99.9
170	46.61	46.24	45.84	45.63	46.93	46.25	45.90	45.68	160-170	12.46	13761	100,100
180	49.13	48.75	48.14	48.00	49.35	48.63	48.22	47.95	170-180	4.488	13765	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:07 November 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:272.02V I:0.3710A P:100.90W PF:0.9632 Freq:50.04Hz Lamp Flux:13765.3x1 lm		
NAME: HB03-100W-4000K-120°	TYPE:0	
MFR.: EVERFINE		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	15172	13839
80	65380	64626
75	128093	127758
70	180815	179581
65	217426	212661
60	241671	238294
55	261381	256991
50	270913	265093
45	276184	270628

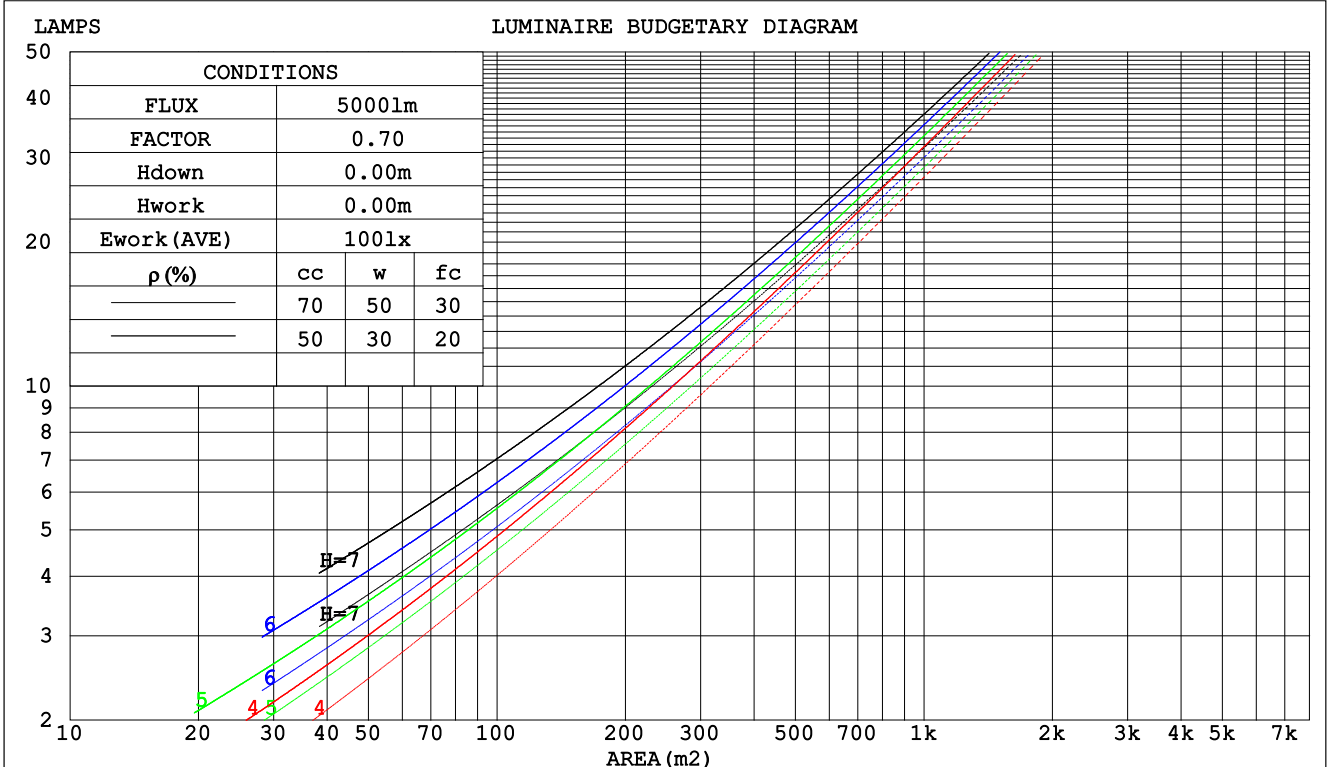
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:07 November 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:272.02V I:0.3710A P:100.90W PF:0.9632 Freq:50.04Hz Lamp Flux:13765.3x1 lm		
NAME: HB03-100W-4000K-120°	TYPE:0	
MFR.: EVERFINE		

ρcc	80%			70%			50%			30%			10%			0
	ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
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	.98	1.03	.99	.96	.98	.95	.93	.94	.92	.90	.91	.89	.87	.85
2.0	.92	.86	.80	.90	.84	.79	.86	.81	.77	.83	.79	.75	.80	.76	.73	.71
3.0	.81	.73	.67	.79	.72	.66	.76	.70	.65	.73	.68	.64	.71	.66	.62	.60
4.0	.72	.63	.57	.70	.62	.56	.68	.61	.55	.65	.59	.55	.63	.58	.54	.52
5.0	.64	.55	.49	.63	.55	.49	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.58	.49	.43	.57	.48	.42	.55	.47	.42	.53	.46	.41	.51	.46	.41	.39
7.0	.52	.44	.38	.51	.43	.37	.50	.42	.37	.48	.42	.37	.47	.41	.36	.34
8.0	.48	.39	.33	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.29	.28
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:07 November 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:272.02V I:0.3710A P:100.90W PF:0.9632 Freq:50.04Hz Lamp Flux:13765.3x1 lm		
NAME: HB03-100W-4000K-120°	TYPE:0	
MFR.: EVERFINE		

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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.283	.161	.051	.276	.157	.050	.262	.150	.048	.250	.144	.046	.238	.138	.044	
2.0	.274	.150	.046	.268	.148	.045	.256	.142	.044	.245	.137	.043	.234	.133	.042	
3.0	.258	.137	.041	.252	.135	.041	.242	.131	.040	.232	.127	.039	.223	.123	.038	
4.0	.241	.125	.037	.236	.123	.036	.226	.120	.036	.217	.117	.035	.209	.114	.035	
5.0	.224	.114	.033	.220	.113	.033	.211	.110	.032	.203	.107	.032	.196	.105	.031	
6.0	.209	.105	.030	.205	.103	.030	.197	.101	.029	.190	.099	.029	.184	.097	.029	
7.0	.195	.096	.027	.192	.095	.027	.185	.093	.027	.178	.091	.027	.172	.090	.026	
8.0	.183	.089	.025	.180	.088	.025	.173	.087	.025	.168	.085	.025	.162	.083	.024	
9.0	.172	.083	.023	.169	.082	.023	.163	.081	.023	.158	.079	.023	.153	.078	.022	
10.0	.162	.078	.022	.159	.077	.021	.154	.075	.021	.149	.074	.021	.145	.073	.021	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.198	.198	.198	.169	.169	.169	.116	.116	.116	.066	.066	.066	.021	.021	.021	
1.0	.186	.164	.144	.159	.141	.124	.109	.097	.086	.063	.056	.050	.020	.018	.016	
2.0	.178	.140	.108	.152	.120	.093	.104	.083	.065	.060	.048	.038	.019	.016	.012	
3.0	.170	.122	.084	.146	.105	.073	.100	.073	.051	.058	.043	.030	.019	.014	.010	
4.0	.163	.109	.067	.139	.094	.059	.096	.065	.041	.055	.038	.024	.018	.012	.008	
5.0	.155	.098	.056	.133	.085	.049	.092	.059	.034	.053	.035	.020	.017	.011	.007	
6.0	.149	.090	.048	.128	.078	.042	.088	.054	.029	.051	.032	.017	.016	.010	.006	
7.0	.142	.083	.042	.122	.072	.036	.084	.050	.026	.049	.030	.015	.016	.010	.005	
8.0	.136	.077	.037	.117	.067	.032	.081	.047	.023	.047	.028	.014	.015	.009	.005	
9.0	.130	.072	.033	.112	.063	.029	.077	.044	.021	.045	.026	.012	.015	.009	.004	
10.0	.124	.068	.031	.107	.059	.027	.074	.042	.019	.043	.025	.011	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:07 November 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:272.02V I:0.3710A P:100.90W PF:0.9632 Freq:50.04Hz Lamp Flux:13765.3x1 lm		
NAME: HB03-100W-4000K-120°	TYPE:0	
MFR.: EVERFINE		

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	23.1	24.6	23.4	24.8	25.0	23.0	24.5	23.3	24.7	24.9
3H	24.2	25.6	24.5	25.8	26.1	24.1	25.5	24.4	25.7	26.0
4H	24.5	25.7	24.8	26.0	26.3	24.4	25.7	24.7	25.9	26.2
6H	24.5	25.7	24.8	26.0	26.3	24.4	25.6	24.8	25.9	26.2
8H	24.5	25.6	24.8	25.9	26.2	24.4	25.6	24.7	25.9	26.2
12H	24.4	25.5	24.8	25.8	26.2	24.3	25.5	24.7	25.8	26.1
4H 2H	23.6	24.9	23.9	25.1	25.4	23.5	24.8	23.9	25.1	25.4
3H	24.8	25.9	25.2	26.2	26.6	24.8	25.9	25.1	26.2	26.5
4H	25.1	26.2	25.5	26.5	26.8	25.1	26.1	25.5	26.4	26.8
6H	25.2	26.1	25.6	26.5	26.9	25.2	26.1	25.6	26.4	26.8
8H	25.2	26.0	25.6	26.4	26.8	25.1	26.0	25.6	26.4	26.8
12H	25.2	25.9	25.6	26.3	26.8	25.1	25.9	25.6	26.3	26.7
8H 4H	25.2	26.0	25.6	26.4	26.8	25.2	26.0	25.6	26.4	26.8
6H	25.3	26.0	25.8	26.4	26.9	25.3	26.0	25.7	26.4	26.8
8H	25.3	25.9	25.8	26.4	26.8	25.3	25.9	25.7	26.3	26.8
12H	25.3	25.8	25.8	26.3	26.8	25.2	25.8	25.7	26.2	26.7
12H 4H	25.2	25.9	25.6	26.3	26.8	25.1	25.9	25.6	26.3	26.7
6H	25.3	25.9	25.8	26.4	26.8	25.3	25.9	25.7	26.3	26.8
8H	25.3	25.8	25.8	26.3	26.8	25.3	25.8	25.7	26.2	26.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.3 / - 0.5					+ 0.3 / - 0.5				
2.0H	+ 0.5 / - 0.4					+ 0.4 / - 0.4				

CIE Pub.117, 13765 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 9.1)
 Area: 0.0176 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:07 November 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:272.02V I:0.3710A P:100.90W PF:0.9632 Freq:50.04Hz Lamp Flux:13765.3x1 lm		
NAME: HB03-100W-4000K-120°	TYPE:0	
MFR.: EVERFINE		

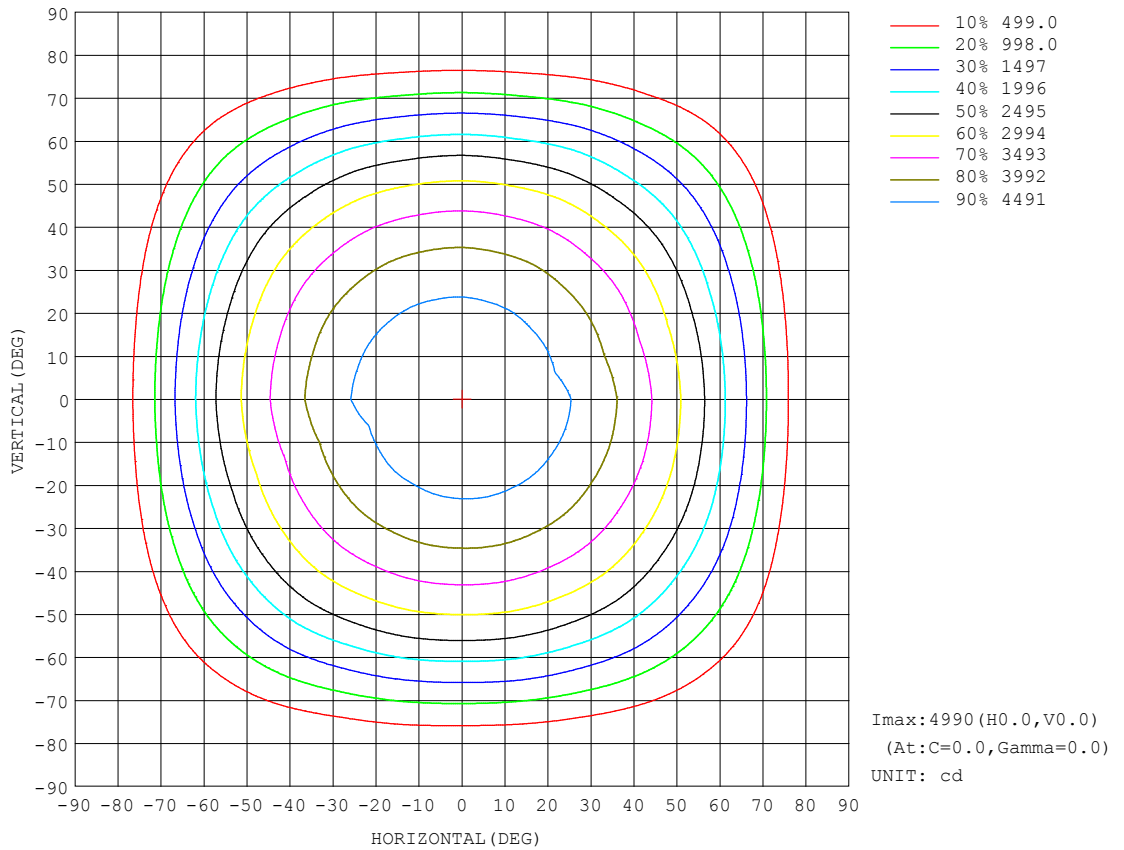
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	57	46	40	56	46	39	33
0.80	68	57	50	67	57	50	66	56	49	42
1.00	77	66	59	76	66	59	74	67	58	51
1.25	84	74	67	83	74	67	80	72	66	59
1.50	89	80	73	88	79	73	85	77	72	64
2.00	96	88	82	94	87	81	91	85	80	72
2.50	100	93	87	98	91	86	94	88	84	76
3.00	103	97	92	101	95	91	97	92	88	80
4.00	107	102	98	105	100	96	100	96	93	84
5.00	109	105	101	107	103	100	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:07 November 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:272.02V I:0.3710A P:100.90W PF:0.9632 Freq:50.04Hz Lamp Flux:13765.3x1 lm		
NAME: HB03-100W-4000K-120°	TYPE:0	
MFR.: EVERFINE		

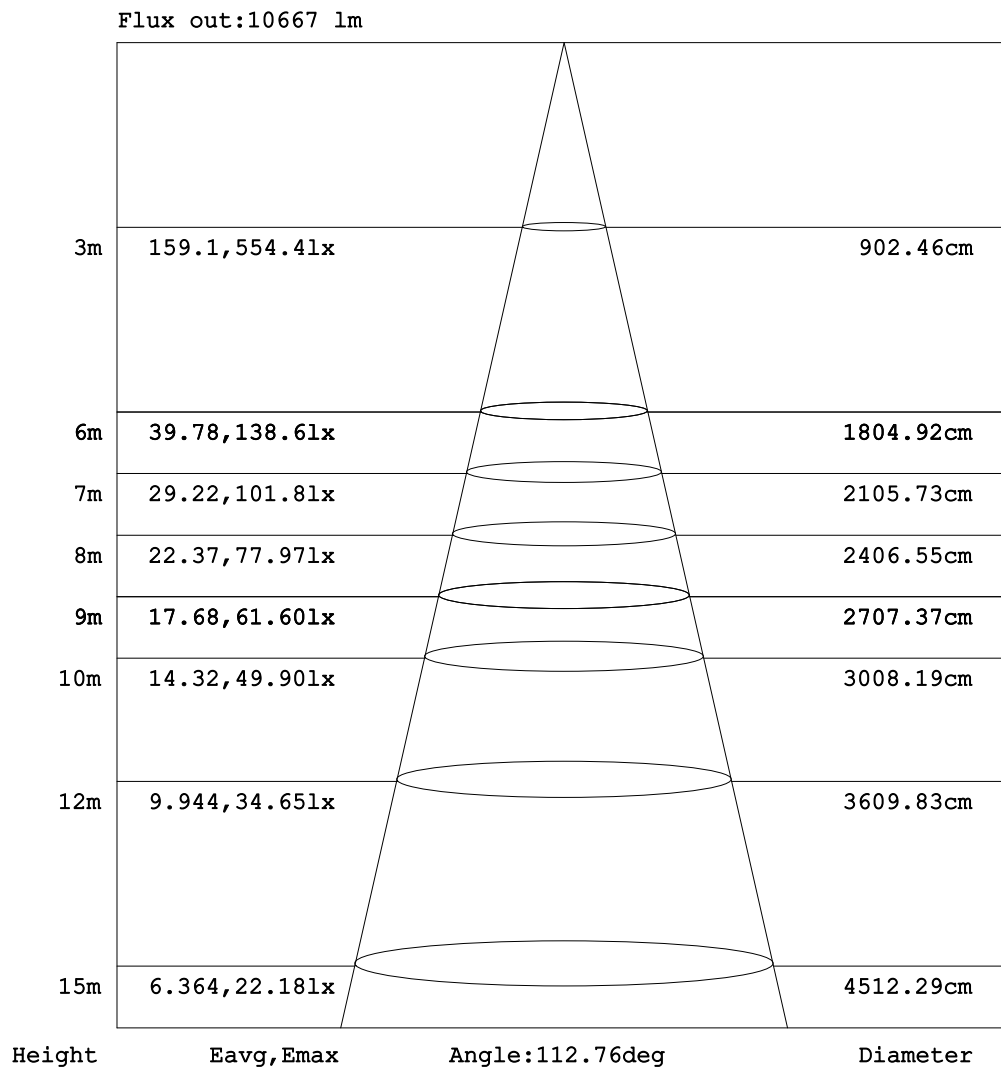


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:07 November 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

AAI Figure

Test:U:272.02V I:0.3710A P:100.90W PF:0.9632 Freq:50.04Hz Lamp Flux:13765.3x1 lm		
NAME: HB03-100W-4000K-120°	TYPE:0	
MFR.: EVERFINE		



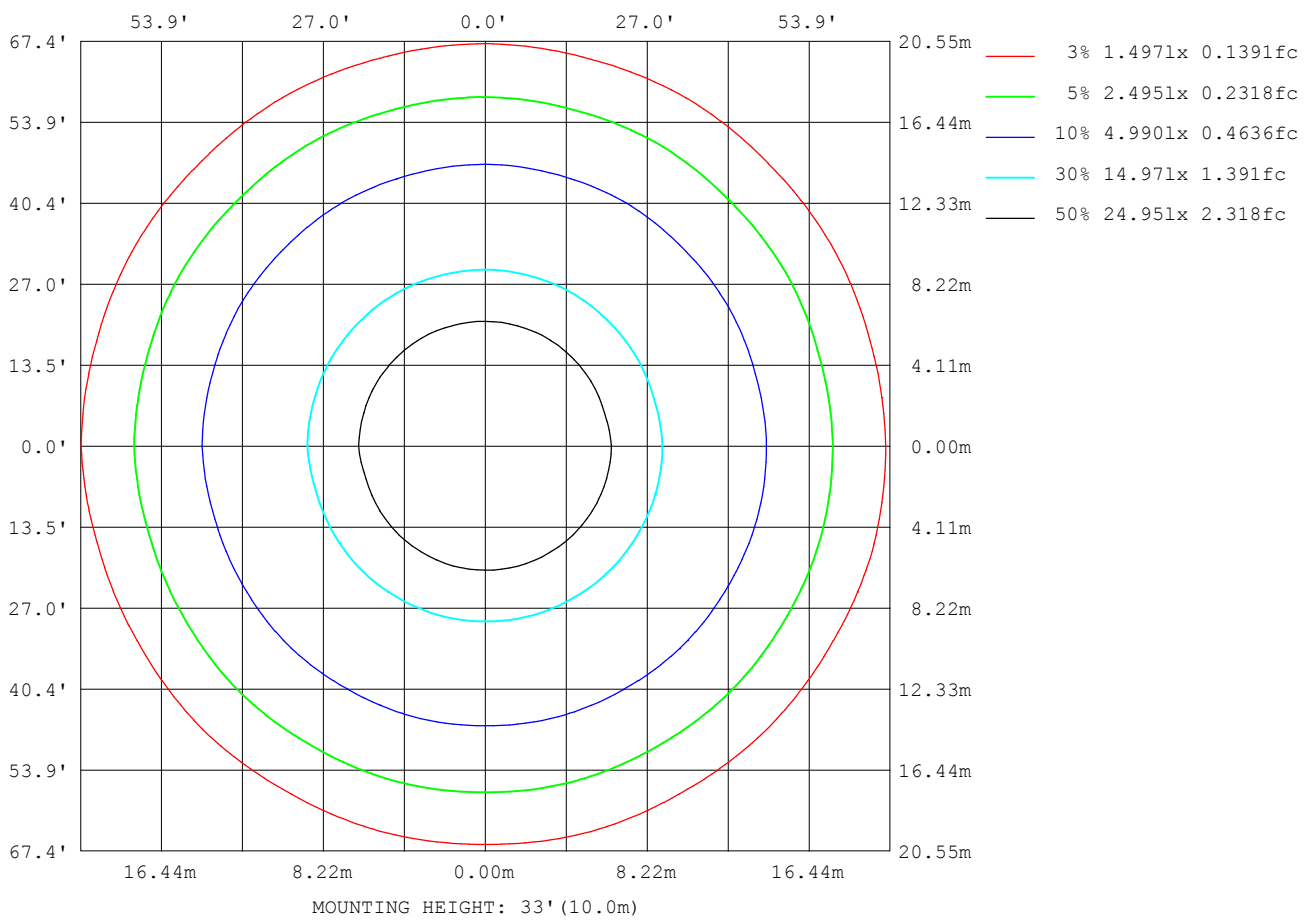
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:07 November 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:272.02V I:0.3710A P:100.90W PF:0.9632 Freq:50.04Hz Lamp Flux:13765.3x1 lm		
NAME: HB03-100W-4000K-120°	TYPE:0	
MFR.: EVERFINE		



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:07 November 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:272.02V I:0.3710A P:100.90W PF:0.9632 Freq:50.04Hz Lamp Flux:13765.3x1 lm		
NAME: HB03-100W-4000K-120°	TYPE:0	
MFR.: EVERFINE		

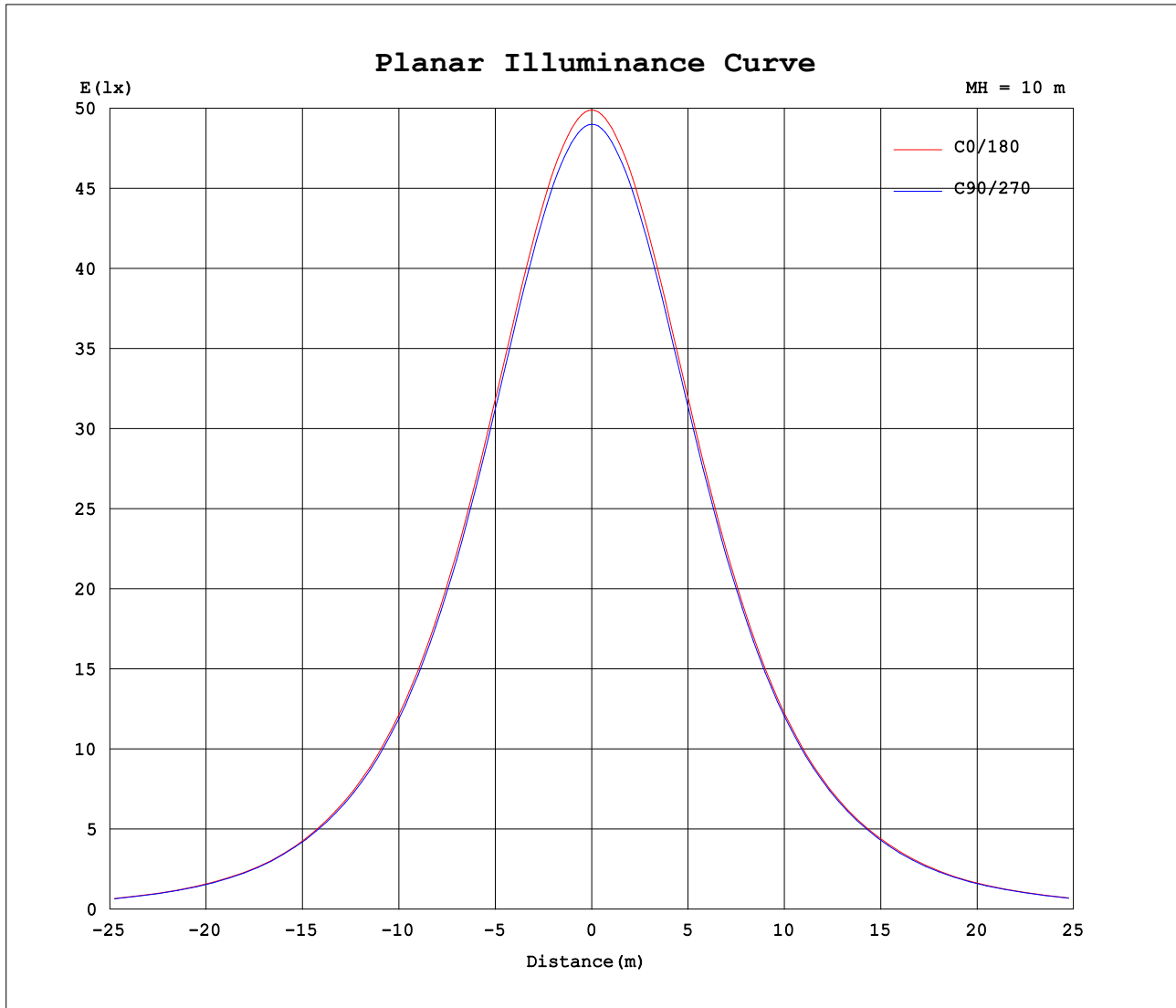
AvgL	cd/m2
L_0~180 (65) av	221575
L_0~180 (75) av	133998
L_0~180 (85) av	18221
L_90~270 (65) av	217209
L_90~270 (75) av	132883
L_90~270 (85) av	17158
L_45 (65) av	217618
L_45 (75) av	133017
L_45 (85) av	17535

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:07 November 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 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:07 November 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:272.02V I:0.3710A P:100.90W PF:0.9632 Freq:50.04Hz Lamp Flux:13765.3x1 lm		
NAME: HB03-100W-4000K-120°	TYPE:0	
MFR.: EVERFINE		

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	4990	4968	4951	4935	4922	4911	4901	4894	4886	4877	4872	4869	4990	4968	4951	4935	4922	4911	4901
5	4962	4941	4920	4908	4893	4883	4872	4865	4858	4853	4846	4842	4967	4944	4927	4911	4902	4888	4879
10	4902	4879	4861	4848	4832	4822	4812	4806	4796	4793	4788	4786	4909	4884	4871	4854	4843	4829	4821
15	4808	4787	4766	4753	4738	4729	4719	4714	4704	4703	4697	4695	4816	4794	4779	4765	4753	4740	4731
20	4676	4657	4635	4624	4608	4600	4590	4585	4575	4578	4569	4567	4688	4667	4655	4638	4630	4614	4608
25	4506	4489	4467	4455	4440	4433	4424	4419	4410	4412	4405	4404	4522	4501	4490	4475	4467	4451	4447
30	4297	4283	4258	4250	4233	4229	4219	4216	4206	4210	4204	4205	4318	4296	4289	4271	4266	4248	4244
35	4049	4035	4010	4004	3987	3985	3972	3973	3963	3971	3962	3964	4074	4051	4048	4030	4026	4009	4005
40	3763	3751	3724	3719	3703	3706	3690	3692	3679	3691	3681	3685	3791	3769	3769	3748	3749	3732	3728
45	3437	3424	3398	3395	3379	3379	3368	3370	3359	3372	3360	3365	3467	3445	3447	3426	3429	3409	3411
50	3065	3058	3028	3030	3010	3017	2999	3007	2995	3010	2996	3005	3100	3078	3086	3062	3071	3048	3053
55	2639	2644	2613	2626	2602	2614	2594	2607	2589	2613	2595	2607	2697	2671	2684	2659	2673	2646	2654
60	2127	2128	2100	2113	2093	2111	2097	2116	2099	2130	2112	2130	2208	2176	2189	2156	2174	2149	2157
65	1617	1626	1590	1602	1584	1603	1582	1596	1587	1616	1594	1605	1679	1656	1668	1644	1666	1639	1649
70	1088	1094	1077	1086	1070	1088	1081	1097	1081	1108	1102	1107	1164	1140	1165	1139	1158	1126	1139
75	583	590	575	586	576	586	582	594	578	599	584	594	637	629	648	637	642	627	629
80	200	204	193	201	192	200	198	206	199	210	201	211	244	228	249	232	249	226	241
85	23.3	24.1	21.6	23.2	21.5	23.2	21.2	22.7	21.3	25.8	24.4	26.5	32.6	30.4	33.2	31.5	34.2	31.2	31.4
90	3.28	3.23	3.27	3.21	3.25	3.17	3.19	3.13	3.17	3.06	3.11	3.03	3.56	3.58	3.48	3.53	3.45	3.53	3.46
95	5.26	5.16	5.24	5.13	5.20	5.07	5.13	5.01	5.08	4.91	4.99	4.89	5.58	5.63	5.49	5.56	5.45	5.56	5.47
100	7.78	7.71	7.76	7.68	7.72	7.61	7.63	7.52	7.57	7.39	7.44	7.36	8.25	8.22	8.12	8.14	8.07	8.12	8.08
105	10.8	10.7	10.7	10.6	10.7	10.6	10.5	10.5	10.5	10.3	10.3	10.3	11.4	11.3	11.2	11.2	11.1	11.2	11.1
110	14.1	14.0	14.1	14.0	14.0	13.9	13.9	13.7	13.8	13.6	13.6	13.5	14.8	14.8	14.6	14.6	14.5	14.6	14.5
115	17.6	17.5	17.5	17.4	17.4	17.3	17.3	17.2	17.2	17.0	17.0	17.0	18.4	18.3	18.2	18.2	18.0	18.1	18.0
120	21.1	21.0	21.0	20.9	20.9	20.7	20.7	20.6	20.6	20.4	20.4	20.3	21.9	21.8	21.7	21.6	21.5	21.5	21.5
125	24.4	24.3	24.2	24.1	24.1	24.0	23.9	23.9	23.8	23.7	23.7	23.6	25.3	25.1	25.0	24.9	24.8	24.8	24.8
130	27.5	27.4	27.3	27.3	27.2	27.1	27.0	27.0	26.9	26.8	26.7	26.7	28.4	28.3	28.2	28.1	28.0	28.0	27.9
135	30.4	30.3	30.3	30.1	30.1	30.0	30.0	29.8	29.8	29.6	29.7	29.5	31.4	31.3	31.1	31.0	30.9	30.9	30.8
140	33.1	33.0	32.9	32.8	32.8	32.7	32.7	32.5	32.5	32.3	32.3	32.2	34.1	33.9	33.8	33.7	33.6	33.5	33.5
145	35.6	35.4	35.3	35.3	35.2	35.1	35.1	35.0	34.9	34.8	34.8	34.7	36.6	36.4	36.3	36.1	36.0	36.0	35.9
150	38.0	37.8	37.8	37.7	37.6	37.5	37.4	37.3	37.3	37.2	37.1	37.1	39.0	38.8	38.6	38.4	38.3	38.3	38.2
155	40.3	40.2	40.1	40.0	39.9	39.8	39.7	39.6	39.6	39.5	39.4	39.4	41.2	40.9	40.7	40.6	40.5	40.4	40.3
160	42.5	42.4	42.2	42.2	42.0	41.9	41.8	41.8	41.7	41.6	41.5	41.5	43.3	43.0	42.8	42.6	42.5	42.4	42.3
165	44.6	44.6	44.4	44.3	44.1	44.1	43.9	43.9	43.8	43.7	43.6	43.6	45.2	44.9	44.8	44.5	44.4	44.2	44.2
170	46.6	46.6	46.3	46.2	46.0	46.0	45.8	45.8	45.7	45.6	45.6	45.5	46.9	46.6	46.5	46.2	46.1	45.9	45.9
175	48.2	48.2	47.9	47.9	47.6	47.6	47.4	47.4	47.3	47.3	47.2	47.1	48.4	48.0	48.0	47.7	47.6	47.3	47.3
180	49.1	49.1	48.8	48.7	48.5	48.4	48.1	48.1	48.0	48.0	47.9	47.9	49.3	48.9	48.9	48.6	48.6	48.3	48.2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:07 November 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:272.02V I:0.3710A P:100.90W PF:0.9632 Freq:50.04Hz Lamp Flux:13765.3x1 lm		
NAME: HB03-100W-4000K-120°	TYPE:0	
MFR.: EVERFINE		

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	4894	4886	4877	4872	4869														
5	4868	4862	4851	4849	4843														
10	4811	4804	4793	4791	4785														
15	4721	4717	4703	4700	4694														
20	4597	4593	4578	4577	4568														
25	4434	4430	4414	4414	4403														
30	4233	4230	4214	4212	4204														
35	3991	3992	3971	3974	3963														
40	3713	3715	3692	3699	3685														
45	3395	3398	3373	3380	3367														
50	3034	3040	3013	3021	3004														
55	2625	2633	2595	2612	2594														
60	2126	2135	2095	2111	2090														
65	1626	1646	1613	1619	1593														
70	1114	1129	1096	1110	1090														
75	618	625	601	612	602														
80	224	239	213	232	214														
85	28.4	31.5	27.2	29.5	26.9														
90	3.54	3.46	3.56	3.48	3.55														
95	5.57	5.47	5.62	5.51	5.61														
100	8.14	8.07	8.19	8.13	8.19														
105	11.2	11.1	11.3	11.2	11.2														
110	14.6	14.5	14.6	14.6	14.6														
115	18.1	18.0	18.1	18.1	18.1														
120	21.5	21.5	21.6	21.5	21.5														
125	24.8	24.7	24.9	24.8	24.8														
130	27.9	27.9	28.0	27.9	27.9														
135	30.9	30.7	30.9	30.7	30.8														
140	33.5	33.4	33.5	33.4	33.4														
145	35.9	35.8	35.9	35.8	35.8														
150	38.2	38.1	38.1	38.1	38.1														
155	40.2	40.2	40.2	40.1	40.1														
160	42.2	42.2	42.2	42.1	42.1														
165	44.1	44.1	44.0	44.0	44.0														
170	45.8	45.8	45.7	45.7	45.6														
175	47.2	47.1	47.0	47.0	46.9														
180	48.1	48.1	47.9	47.9	47.8														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:07 November 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: