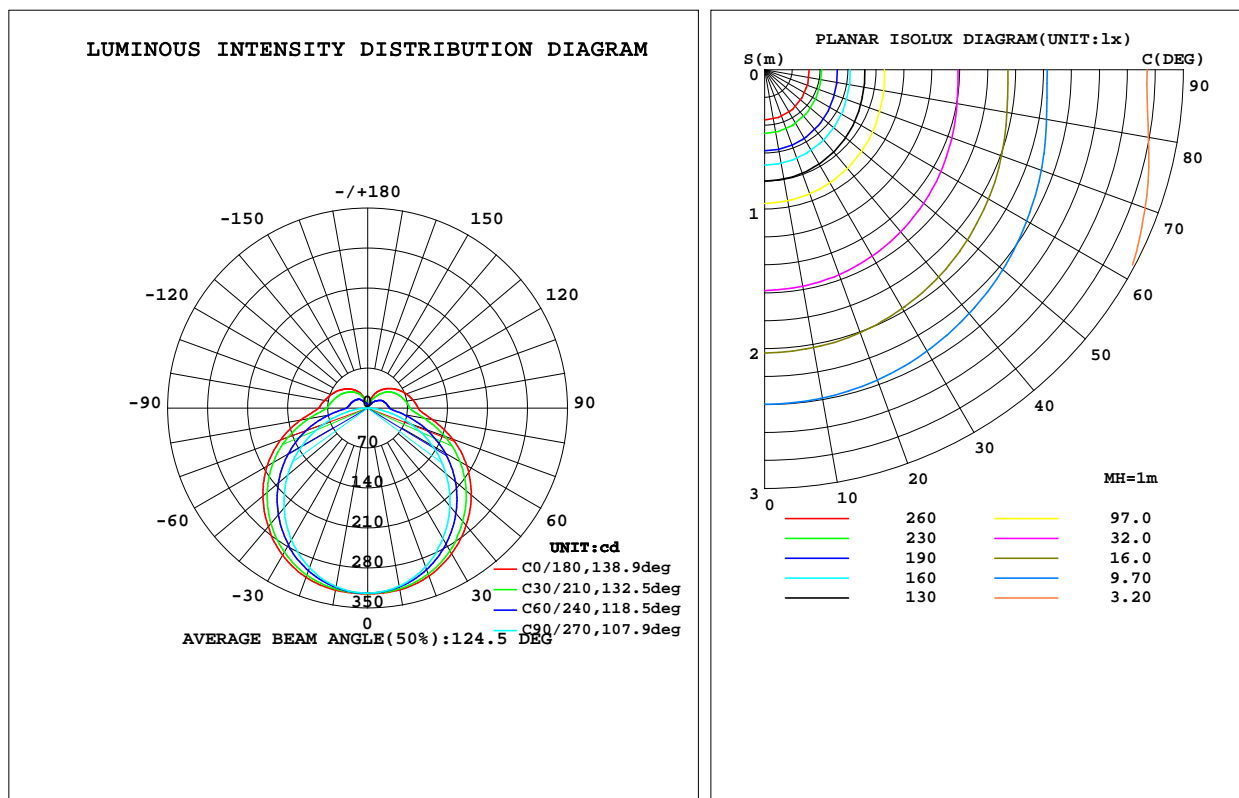


## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.0974A P:11.50W PF:0.9820 Lamp Flux:7.28512x180 lm		
NAME: TB2-DM-35F	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.99 lm/W			
MODEL	TB2-DM-35F	I <sub>max</sub> (cd)	325.3	S/MH(C0/180)	1.36
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	100-277	TOTAL FLUX(lm)	1311.3	η UP,DN(C0-180)	8.2,41.6
NOMINAL FLUX(lm)	7.28512	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	8.1,42.1
LAMPS INSIDE	180	η up(%)	16.3	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	83.7	CIBSE SHR MAX	1.50



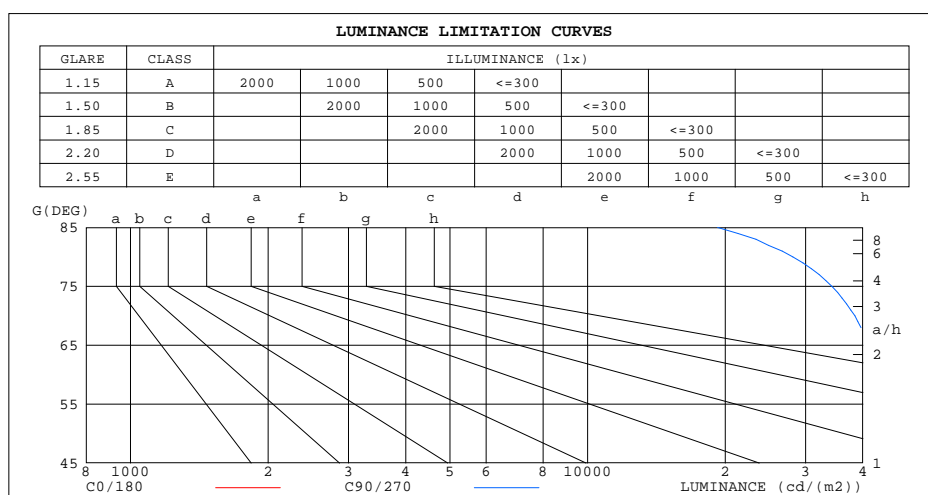
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-12-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.317m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	323.0	319.6	316.4	319.0	323.6	320.2	317.3	319.8	0- 10	30.73	30.73	2.34,2.34
20	313.0	305.4	295.9	305.3	315.3	307.5	297.6	306.2	10- 20	88.65	119.4	9.1,9.1
30	294.2	281.8	263.4	282.1	297.7	285.3	267.1	283.4	20- 30	136.0	255.3	19.5,19.5
40	268.3	250.4	224.0	250.9	270.9	254.3	227.8	252.0	30- 40	166.9	422.2	32.2,32.2
50	236.8	213.7	179.0	214.2	239.6	217.9	182.8	215.5	40- 50	179.1	601.3	45.9,45.9
60	200.1	172.5	130.1	173.0	203.3	177.0	133.4	174.4	50- 60	172.1	773.5	59,59
70	158.4	127.4	78.87	128.3	162.1	132.1	81.99	129.3	60- 70	147.2	920.7	70.2,70.2
80	114.5	83.03	29.31	83.67	118.4	87.38	32.18	84.69	70- 80	108.4	1029	78.5,78.5
90	88.80	58.05	2.231	54.60	85.86	56.11	1.689	57.12	80- 90	68.85	1098	83.7,83.7
100	81.08	53.11	0.6449	50.10	77.30	49.81	0.6028	51.67	90-100	53.74	1152	87.8,87.8
110	72.52	47.85	0.9232	45.07	68.80	45.16	0.8856	45.40	100-110	46.88	1199	91.4,91.4
120	63.41	41.89	1.253	39.99	60.81	40.20	1.201	39.98	110-120	39.23	1238	94.4,94.4
130	53.69	32.84	1.591	34.67	52.30	35.08	1.558	31.12	120-130	30.32	1268	96.7,96.7
140	43.38	22.42	1.893	28.76	43.32	29.53	1.850	21.60	130-140	21.32	1289	98.3,98.3
150	32.36	13.28	2.143	20.76	33.44	21.67	2.106	12.97	140-150	13.02	1302	99.3,99.3
160	18.54	7.462	2.384	13.29	19.48	13.76	2.319	7.536	150-160	6.343	1309	99.8,99.8
170	5.176	4.385	2.519	7.290	6.576	7.521	2.472	4.630	160-170	2.185	1311	100,100
180	2.514	2.523	2.542	2.544	2.514	2.528	2.542	2.539	170-180	0.3756	1311	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m <sup>2</sup> )		
G(°)	C0/180	C90/270
85	185575	19264
80	109932	28131
75	87354	34223
70	77177	38432
65	70932	41264
60	66688	43361
55	63679	45014
50	61398	46405
45	59683	47619

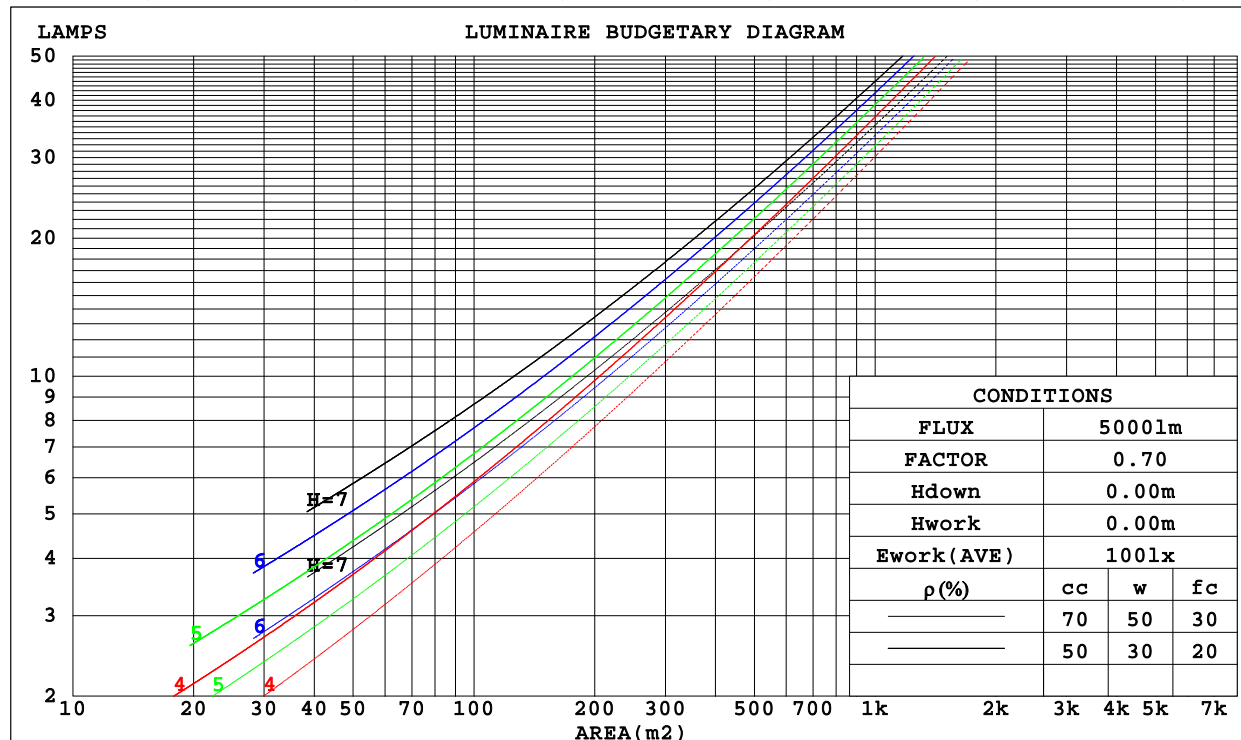
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2018-12-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 8.317m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.3V I:0.0974A P:11.50W PF:0.9820 Lamp Flux:7.28512x180 lm		
NAME: TB2-DM-35F	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

$\rho_{cc}$	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			Coefficients of Utilization(CU)												
0.0	1.15	1.15	1.15	1.11	1.11	1.11	1.02	1.02	1.02	.94	.94	.94	.87	.87	.87	.84
1.0	.98	.93	.88	.94	.89	.85	.86	.83	.80	.80	.77	.74	.74	.71	.69	.66
2.0	.84	.77	.70	.81	.74	.68	.74	.69	.64	.69	.64	.60	.63	.60	.57	.53
3.0	.73	.65	.58	.70	.62	.56	.65	.58	.53	.60	.55	.50	.55	.51	.47	.44
4.0	.64	.55	.48	.62	.54	.47	.57	.50	.45	.53	.47	.42	.49	.44	.40	.37
5.0	.57	.48	.41	.55	.47	.40	.51	.44	.38	.47	.41	.36	.44	.39	.35	.32
6.0	.51	.42	.36	.50	.41	.35	.46	.39	.33	.43	.36	.32	.40	.34	.30	.28
7.0	.46	.37	.31	.45	.36	.31	.42	.34	.29	.39	.33	.28	.36	.31	.27	.24
8.0	.42	.34	.28	.41	.33	.27	.38	.31	.26	.36	.29	.25	.33	.28	.24	.22
9.0	.39	.30	.25	.37	.30	.24	.35	.28	.23	.33	.27	.22	.31	.25	.21	.19
10.0	.35	.28	.22	.34	.27	.22	.32	.26	.21	.30	.24	.20	.28	.23	.19	.17



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2018-12-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 8.317m [K=1.0000]  
 Remarks:

## WEC AND CCEC

Test:U:120.3V I:0.0974A P:11.50W PF:0.9820 Lamp Flux:7.28512x180 lm		
NAME: TB2-DM-35F	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

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	.355	.202	.064	.343	.195	.062	.320	.183	.059	.299	.172	.055	.280	.162	.052															
2.0	.315	.173	.053	.305	.168	.052	.284	.158	.049	.265	.149	.047	.248	.140	.044															
3.0	.284	.151	.045	.274	.147	.044	.256	.139	.042	.239	.131	.040	.223	.123	.038															
4.0	.258	.134	.039	.249	.130	.039	.233	.123	.037	.217	.117	.035	.203	.110	.034															
5.0	.236	.120	.035	.228	.117	.034	.213	.111	.033	.199	.105	.031	.185	.099	.030															
6.0	.217	.109	.031	.210	.106	.031	.196	.101	.029	.183	.095	.028	.171	.090	.027															
7.0	.201	.099	.028	.194	.097	.028	.182	.092	.026	.170	.087	.025	.159	.082	.024															
8.0	.187	.091	.026	.181	.089	.025	.169	.085	.024	.158	.080	.023	.148	.076	.022															
9.0	.175	.084	.024	.169	.082	.023	.158	.078	.022	.148	.074	.021	.139	.070	.020															
10.0	.164	.078	.022	.158	.077	.021	.149	.073	.021	.139	.069	.020	.131	.066	.019															

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	.314	.314	.314	.269	.269	.269	.183	.183	.183	.105	.105	.105	.034	.034	.034	
1.0	.308	.281	.256	.264	.241	.220	.181	.166	.152	.104	.096	.089	.033	.031	.029	
2.0	.301	.258	.221	.258	.222	.191	.177	.153	.133	.102	.089	.078	.033	.029	.025	
3.0	.294	.241	.199	.252	.208	.172	.173	.144	.121	.100	.084	.071	.032	.027	.023	
4.0	.286	.228	.184	.246	.197	.160	.169	.137	.113	.098	.081	.067	.031	.026	.022	
5.0	.279	.218	.174	.239	.189	.151	.165	.132	.107	.095	.077	.063	.031	.025	.021	
6.0	.271	.210	.167	.233	.182	.145	.161	.128	.103	.093	.075	.061	.030	.025	.020	
7.0	.264	.204	.161	.228	.177	.140	.157	.124	.100	.091	.073	.059	.030	.024	.020	
8.0	.258	.198	.157	.222	.172	.137	.154	.121	.097	.089	.071	.058	.029	.023	.019	
9.0	.252	.193	.154	.217	.168	.134	.150	.118	.095	.088	.070	.057	.028	.023	.019	
10.0	.246	.189	.151	.212	.164	.132	.147	.116	.094	.086	.068	.056	.028	.022	.019	

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2018-12-20

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.317m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.3V I:0.0974A P:11.50W PF:0.9820 Lamp Flux:7.28512x180 lm											
NAME: TB2-DM-35F					TYPE:LED			WEIGHT:			
SPEC.:					DIM.: 2FT			SERIAL No.:1			
MFR.: EVERFINE					SUR.:			PROTECTION 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	26.6	28.0	27.1	28.5	29.0	24.9	26.3	25.4	26.8	27.3	
	3H	28.9	30.2	29.4	30.7	31.3	26.3	27.6	26.8	28.1	28.6
	4H	30.1	31.3	30.6	31.8	32.4	26.8	28.0	27.4	28.5	29.1
	6H	31.3	32.4	31.9	33.0	33.6	27.2	28.3	27.7	28.8	29.4
	8H	32.0	33.1	32.6	33.6	34.3	27.2	28.3	27.8	28.9	29.5
	12H	32.8	33.8	33.3	34.4	35.0	27.2	28.3	27.8	28.8	29.5
4H	2H	27.2	28.4	27.7	28.9	29.5	25.9	27.1	26.4	27.6	28.2
	3H	29.7	30.7	30.2	31.3	31.9	27.5	28.6	28.1	29.1	29.8
	4H	31.0	32.0	31.6	32.6	33.2	28.2	29.2	28.8	29.8	30.4
	6H	32.5	33.3	33.1	33.9	34.6	28.7	29.6	29.3	30.2	30.9
	8H	33.3	34.0	33.9	34.7	35.4	28.8	29.6	29.5	30.3	31.0
	12H	34.2	34.9	34.8	35.5	36.3	28.9	29.6	29.5	30.3	31.0
8H	4H	31.3	32.1	31.9	32.7	33.4	29.0	29.8	29.6	30.4	31.1
	6H	33.0	33.7	33.7	34.3	35.1	29.8	30.4	30.4	31.1	31.9
	8H	34.0	34.6	34.7	35.3	36.0	30.1	30.7	30.8	31.3	32.1
	12H	35.1	35.7	35.9	36.4	37.2	30.3	30.8	31.0	31.5	32.3
12H	4H	31.3	32.0	32.0	32.7	33.4	29.2	29.9	29.8	30.6	31.3
	6H	33.1	33.7	33.8	34.4	35.1	30.1	30.7	30.8	31.4	32.2
	8H	34.2	34.7	34.9	35.4	36.2	30.6	31.1	31.3	31.8	32.6
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4					

CIE Pub.117 Corrected 1311 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.9)

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2018-12-20

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.317m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.3V I:0.0974A P:11.50W PF:0.9820 Lamp Flux:7.28512x180 lm		
NAME: TB2-DM-35F	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

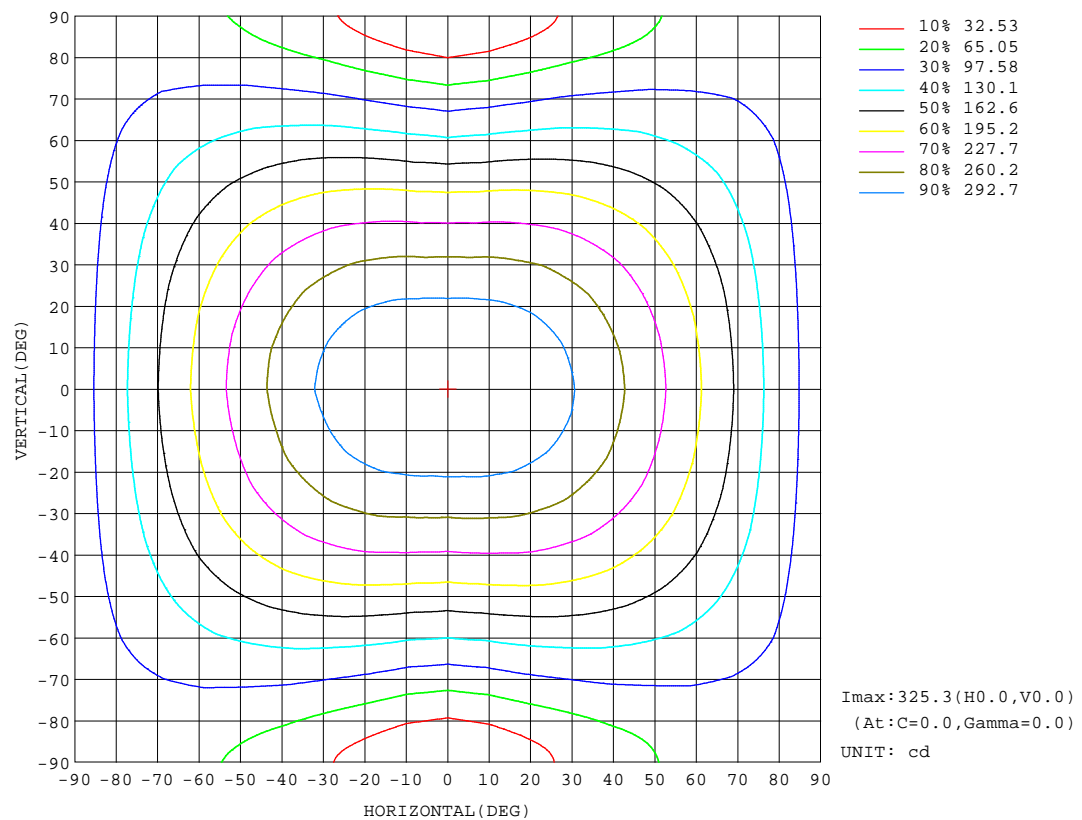
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	38	31	49	37	30	47	36	30	23
0.80	59	47	39	58	46	38	55	44	38	30
1.00	67	55	47	65	54	46	62	54	45	36
1.25	74	62	54	72	61	53	68	58	52	42
1.50	79	68	60	77	66	59	72	63	57	46
2.00	86	76	68	83	74	67	78	70	64	53
2.50	91	81	74	88	79	72	81	74	69	57
3.00	94	86	79	91	83	77	85	78	73	60
4.00	99	92	86	95	89	83	88	83	79	65
5.00	102	95	90	98	92	87	91	86	82	68
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2018-12-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.317m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:120.3V I:0.0974A P:11.50W PF:0.9820 Lamp Flux:7.28512x180 lm		
NAME: TB2-DM-35F	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



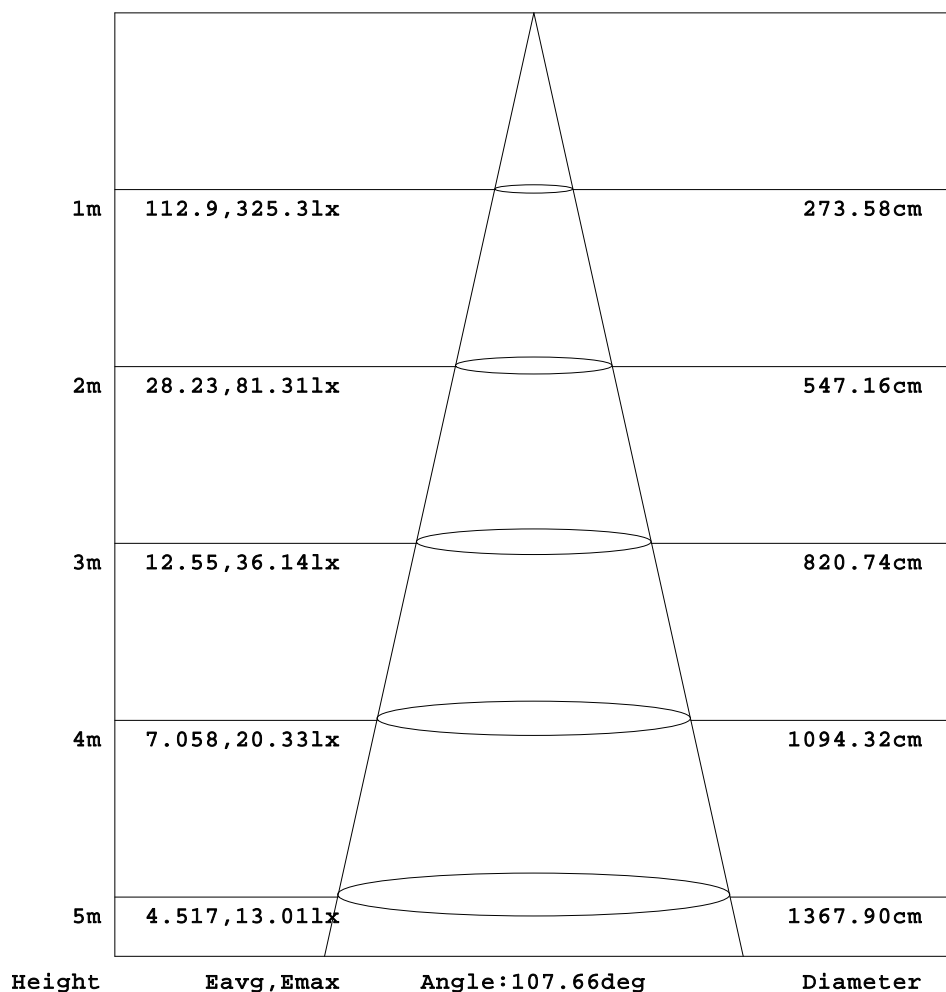
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2018-12-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity: 65.0%  
Test Distance: 8.317m [K=1.0000]  
Remarks:

## AAI Figure

Test:U:120.3V I:0.0974A P:11.50W PF:0.9820 Lamp Flux:7.28512x180 lm		
NAME: TB2-DM-35F	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Flux out:672.1 lm



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

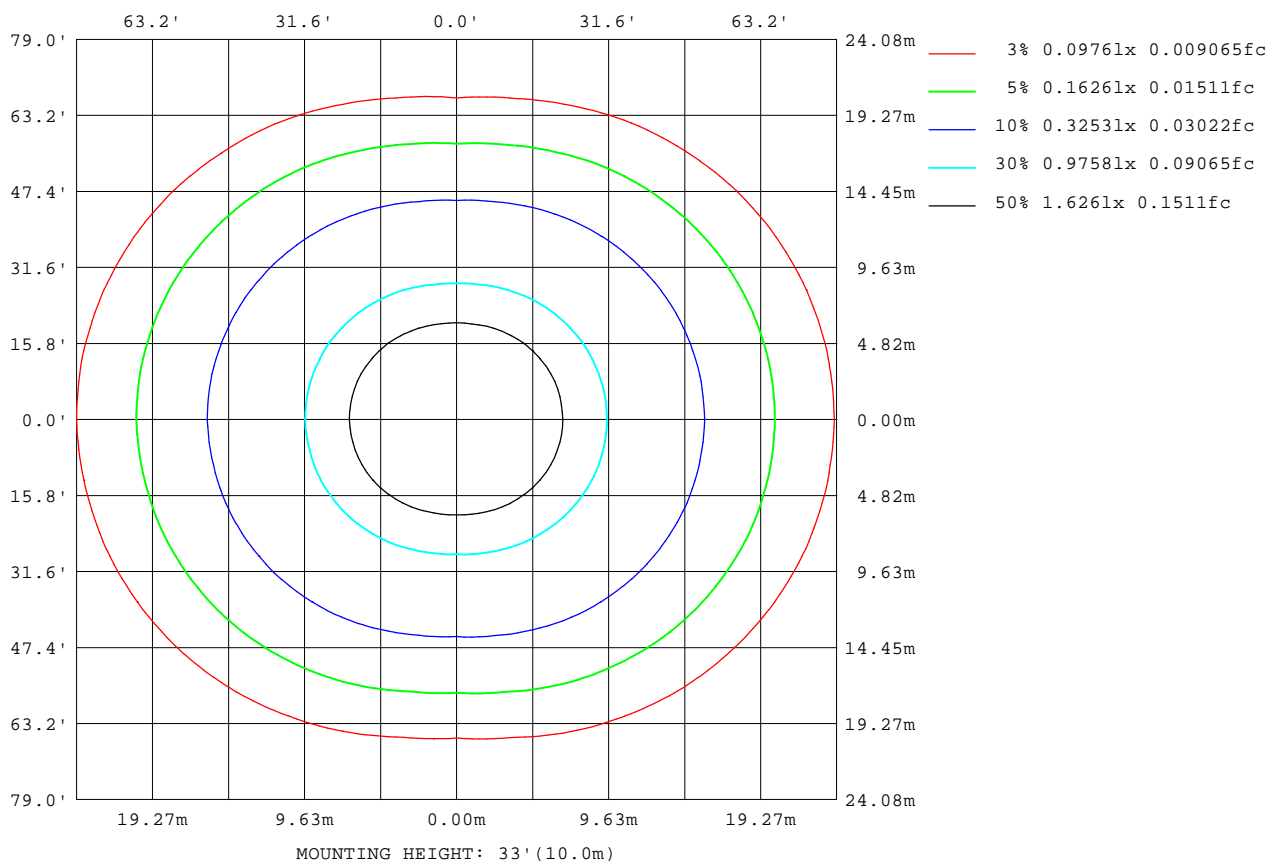
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2018-12-20

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 8.317m [K=1.0000]  
 Remarks:



## ISOLUX DIAGRAM

Test:U:120.3V I:0.0974A P:11.50W PF:0.9820 Lamp Flux:7.28512x180 lm		
NAME: TB2-DM-35F	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2018-12-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 8.317m [K=1.0000]  
 Remarks:

## LED Avg.L Report

Test:U:120.3V I:0.0974A P:11.50W PF:0.9820 Lamp Flux:7.28512x180 lm		
NAME: TB2-DM-35F	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

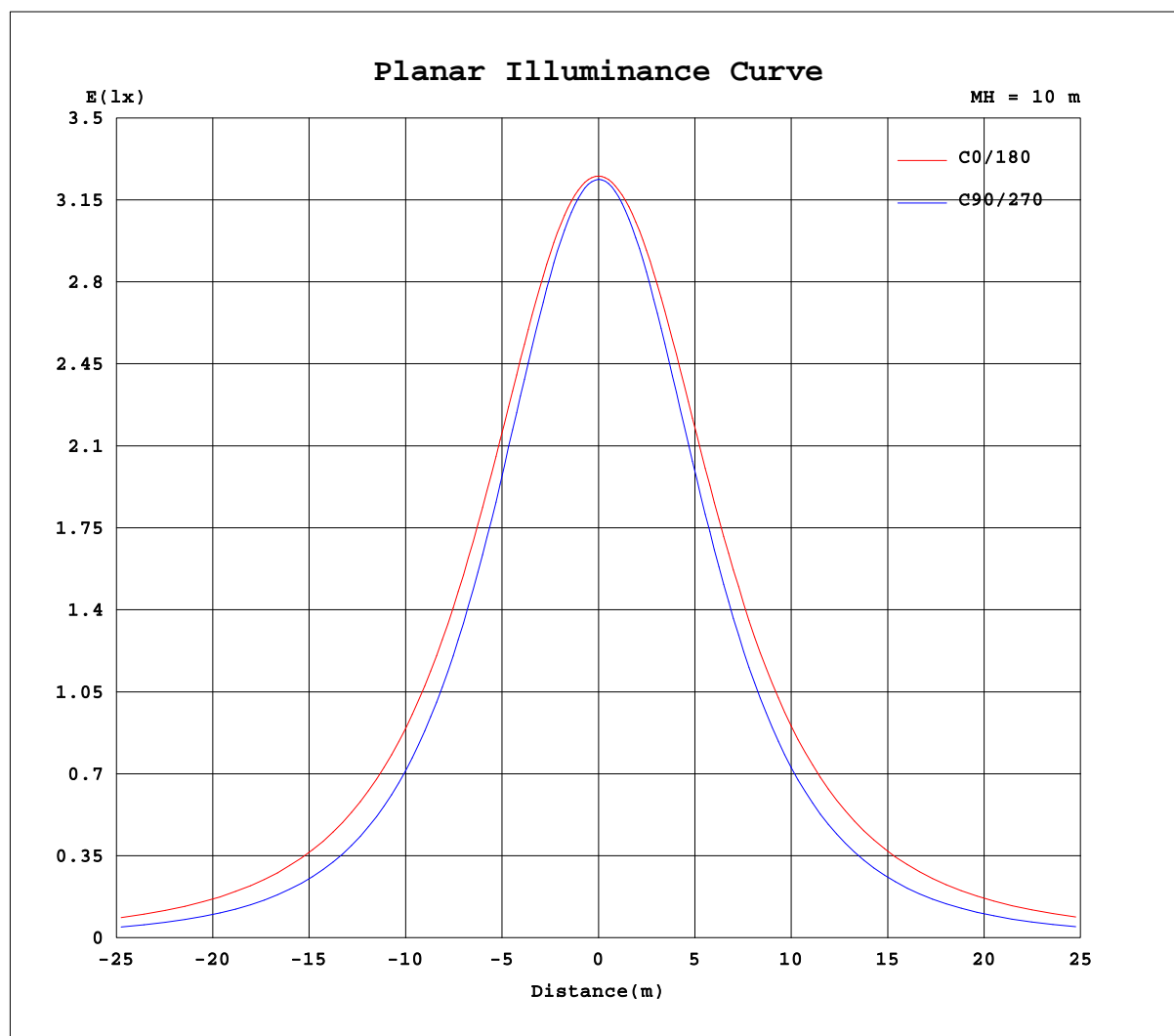
AvgL	cd/m2
L_0~180(65)av	71591
L_0~180(75)av	88796
L_0~180(85)av	187332
L_90~270(65)av	41893
L_90~270(75)av	35283
L_90~270(85)av	21049
L_45(65)av	60038
L_45(75)av	68690
L_45(85)av	127105

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-12-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.317m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2018-12-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity: 65.0%  
Test Distance: 8.317m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.0974A P:11.50W PF:0.9820 Lamp Flux:7.28512x180 lm		
NAME: TB2-DM-35F	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	325	325	325	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324	325
5	325	324	324	324	323	323	322	322	322	322	322	322	322	322	322	323	323	323	325
10	323	323	322	321	320	319	318	317	316	316	316	317	317	319	319	320	321	322	324
15	319	319	318	316	314	313	311	309	308	308	308	309	310	312	314	316	317	318	321
20	313	313	311	309	307	304	301	299	296	296	296	298	301	304	307	310	311	313	315
25	305	304	302	300	296	293	289	286	282	282	282	285	288	293	297	301	303	305	308
30	294	294	291	288	284	279	275	269	266	263	265	268	274	279	285	289	292	295	298
35	282	282	278	274	270	264	258	252	247	245	247	251	258	264	270	275	280	283	286
40	268	266	264	259	254	247	240	233	227	224	227	232	240	247	255	260	265	268	271
45	253	251	248	243	237	229	221	213	206	202	205	212	221	229	237	244	249	252	256
50	237	235	231	225	218	209	201	191	183	179	182	191	200	210	219	226	233	236	240
55	219	217	213	206	198	189	179	169	160	155	159	168	179	189	199	207	214	218	222
60	200	198	194	186	178	167	157	145	135	130	134	145	156	168	178	187	195	199	203
65	180	178	173	165	156	145	133	121	110	105	109	121	133	145	157	166	174	179	183
70	158	156	151	143	133	122	109	97.2	84.7	78.9	84.0	96.8	109	123	134	145	153	158	162
75	136	134	129	121	110	98.9	85.7	72.9	59.8	53.1	59.2	72.6	85.9	99.7	111	122	130	136	140
80	115	113	107	99.7	88.8	77.2	63.6	50.3	36.6	29.3	35.9	49.9	63.7	77.7	89.6	101	109	115	118
85	97.0	95.6	90.1	82.3	71.6	59.7	46.0	32.2	18.1	10.1	17.3	31.3	45.2	59.1	71.0	81.9	89.8	95.5	98.9
90	88.8	87.2	82.2	74.4	64.1	52.1	38.6	24.4	10.6	2.23	9.22	22.3	35.8	48.8	60.4	70.5	78.1	83.2	85.9
95	85.1	83.6	78.8	71.4	61.4	49.8	36.8	23.0	9.78	1.98	8.28	21.2	34.4	46.8	57.8	67.5	74.6	79.3	81.6
100	81.1	79.7	75.1	68.1	58.7	47.6	35.0	21.8	9.31	0.64	8.12	19.7	33.0	45.0	55.3	64.2	70.8	75.2	77.3
105	76.9	75.6	71.3	64.8	55.8	45.3	33.3	20.7	8.95	0.77	8.01	18.9	30.8	42.9	52.9	61.0	67.2	71.0	72.9
110	72.5	71.4	67.4	61.2	52.8	42.9	31.6	19.7	8.53	0.92	7.69	18.3	29.4	40.1	50.0	58.0	63.6	67.2	68.8
115	68.0	67.0	63.3	57.6	49.7	40.4	29.7	18.5	7.02	1.08	6.80	17.5	28.0	38.0	46.9	54.3	59.7	63.3	64.8
120	63.4	62.4	59.0	53.8	46.0	37.8	27.7	17.1	5.57	1.25	5.64	16.6	26.5	35.9	44.1	51.0	55.7	59.0	60.8
125	58.6	57.7	54.6	49.8	41.8	34.0	23.8	14.4	4.62	1.42	5.08	15.6	24.9	33.6	41.2	47.6	52.0	55.0	56.6
130	53.7	52.9	50.0	44.5	37.3	28.4	20.0	11.3	4.11	1.59	4.68	13.7	23.2	31.2	38.1	44.1	48.1	50.9	52.3
135	48.6	47.9	45.3	38.8	30.7	23.7	16.9	8.51	3.79	1.74	4.48	12.1	21.3	28.7	34.9	40.3	44.1	46.5	47.9
140	43.4	42.7	40.0	31.6	25.2	19.7	13.0	7.23	3.54	1.89	4.29	9.90	18.2	26.0	31.6	36.3	39.8	42.0	43.3
145	38.0	37.4	31.0	25.1	20.3	15.8	9.77	6.18	3.37	2.03	4.11	8.88	15.6	22.5	28.0	32.3	35.2	37.3	38.5
150	32.4	31.7	23.4	19.5	15.5	11.1	8.05	5.32	3.20	2.14	3.98	7.96	12.7	18.3	23.2	28.0	30.6	32.4	33.4
155	26.5	21.5	16.2	13.0	10.6	8.74	6.58	4.58	2.72	2.27	3.83	6.99	10.8	15.1	18.5	21.6	24.4	27.1	28.0
160	18.5	11.6	10.1	9.35	8.13	6.80	5.35	3.94	2.35	2.38	3.37	6.08	8.99	11.9	14.7	17.0	18.6	19.8	19.5
165	7.58	7.62	7.27	6.80	6.05	5.19	4.50	3.65	2.47	2.46	2.58	4.90	7.21	9.25	11.0	12.6	13.7	14.6	9.12
170	5.18	5.19	4.99	4.74	4.46	4.31	3.70	2.74	2.47	2.52	2.49	3.60	5.02	6.79	7.79	8.59	8.88	8.54	6.58
175	3.02	3.09	2.73	2.68	2.81	2.74	2.54	2.54	2.51	2.54	2.50	2.56	2.70	3.47	3.97	4.16	4.24	3.98	4.43
180	2.51	2.51	2.50	2.51	2.52	2.53	2.52	2.53	2.54	2.54	2.53	2.55	2.56	2.55	2.54	2.53	2.52	2.50	2.51

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-12-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.317m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.0974A P:11.50W PF:0.9820 Lamp Flux:7.28512x180 lm																	
NAME: TB2-DM-35F									TYPE:LED						WEIGHT:		
SPEC.:									DIM.: 2FT						SERIAL No.:1		
MFR.: EVERFINE									SUR.:						PROTECTION ANGLE:		

Table--2

UNIT: cd

C(DEC) γ (DEC)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	325	325	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324		
5	324	324	324	323	323	323	323	323	322	323	322	323	323	323	323	323	323		
10	323	322	322	321	320	319	318	318	317	318	318	319	319	320	321	321	322		
15	320	319	318	316	314	312	310	310	309	310	310	312	313	315	316	317	318		
20	314	314	311	309	306	303	300	299	298	298	300	303	305	307	309	311	312		
25	307	305	303	300	296	292	287	285	284	285	287	291	294	298	300	302	303		
30	296	295	291	288	283	277	272	268	267	268	272	276	281	286	289	292	293		
35	284	283	278	273	268	261	255	250	248	250	255	260	266	270	276	279	281		
40	271	267	264	257	251	243	236	230	228	230	236	242	249	255	261	264	267		
45	255	252	247	240	233	224	216	209	206	208	216	223	231	238	244	248	252		
50	239	235	230	222	214	204	195	186	183	186	194	203	212	219	227	232	235		
55	221	217	211	202	193	183	173	163	159	163	172	181	191	200	208	214	218		
60	202	198	191	182	172	161	149	139	133	138	148	159	170	179	188	194	199		
65	182	177	170	160	149	138	125	114	108	114	123	136	146	158	167	174	178		
70	161	156	148	138	126	114	101	89.3	82.0	88.2	99.0	112	123	135	144	152	157		
75	138	134	125	116	103	90.8	76.7	64.3	56.4	63.1	74.9	88.5	101	113	122	130	134		
80	116	112	104	93.7	81.1	68.3	53.8	40.7	32.2	39.4	51.9	66.0	78.5	90.8	101	109	113		
85	96.9	92.5	84.2	74.3	61.8	48.9	34.3	20.9	11.9	19.6	32.8	47.2	60.2	72.6	82.6	90.9	95.6		
90	84.1	79.6	71.8	62.0	50.2	37.3	23.4	10.1	1.69	9.29	23.1	37.4	51.0	63.3	73.7	81.8	86.8		
95	79.9	75.6	68.2	58.7	47.2	34.5	20.9	8.52	1.05	8.30	21.6	35.6	48.7	60.6	70.6	78.4	83.2		
100	75.7	71.5	64.3	55.3	44.4	32.5	20.1	8.24	0.60	7.68	19.4	32.3	46.5	56.9	67.5	74.9	79.3		
105	71.3	67.5	60.9	52.5	42.4	31.2	19.4	8.27	0.73	7.58	18.8	31.1	44.3	53.3	64.1	71.1	75.3		
110	67.3	63.8	57.7	49.9	40.4	29.9	18.6	8.45	0.89	7.42	18.2	29.8	40.5	50.3	60.6	63.7	71.0		
115	63.4	60.1	54.5	47.3	38.3	28.4	18.0	7.35	1.03	6.29	17.4	28.3	38.3	47.8	56.8	61.9	66.6		
120	59.5	56.3	51.1	44.4	36.0	26.9	17.4	6.53	1.20	5.15	16.0	26.6	35.7	44.2	49.3	57.0	62.1		
125	55.4	52.5	47.5	41.3	33.8	25.5	16.8	5.40	1.40	4.68	13.7	22.7	31.9	39.7	46.7	50.8	57.5		
130	51.1	48.5	44.1	38.5	31.7	24.0	14.6	4.96	1.56	4.22	10.7	19.3	27.0	35.2	41.7	48.5	48.7		
135	46.8	44.5	40.5	35.6	29.3	22.4	13.0	4.58	1.71	3.87	8.61	16.4	22.7	29.5	35.6	41.5	46.5		
140	42.4	40.4	36.8	32.3	26.7	19.3	11.1	4.31	1.85	3.57	7.40	12.5	18.9	24.3	29.9	36.7	37.0		
145	37.7	35.9	32.7	28.8	23.7	16.4	9.77	4.10	2.01	3.36	6.45	10.0	15.2	19.7	23.9	29.8	29.5		
150	32.7	31.1	28.4	24.6	18.7	13.8	8.51	3.89	2.11	3.20	5.55	8.18	10.9	15.1	18.7	22.6	28.0		
155	27.4	25.5	22.0	19.1	15.6	11.3	7.36	3.24	2.22	3.00	4.74	6.68	8.63	10.6	12.4	15.9	20.2		
160	20.0	19.1	17.3	15.3	12.2	9.37	6.39	2.66	2.32	2.73	4.14	5.50	6.87	8.20	9.22	10.0	11.0		
165	14.6	14.2	12.8	11.4	9.49	7.50	5.24	2.68	2.43	2.42	3.75	4.70	5.47	6.22	6.87	7.39	7.53		
170	8.46	9.14	8.70	8.06	6.98	5.50	3.47	2.53	2.47	2.47	2.95	3.83	4.46	4.80	4.93	5.22	5.32		
175	4.43	4.73	4.29	3.98	3.52	2.74	2.57	2.54	2.52	2.51	2.54	2.55	2.86	3.26	3.41	3.47	3.53		
180	2.52	2.51	2.52	2.52	2.53	2.53	2.55	2.55	2.54	2.54	2.54	2.54	2.54	2.54	2.53	2.52	2.50		

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-12-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.317m [K=1.0000]  
Remarks: