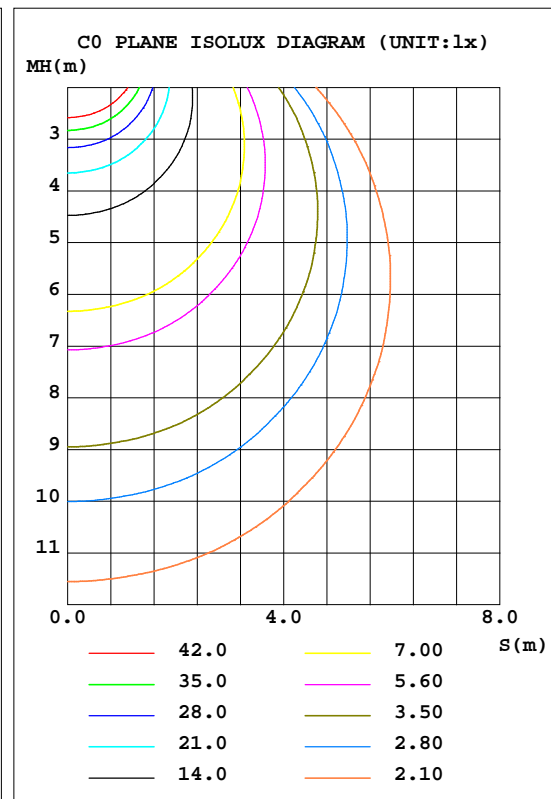
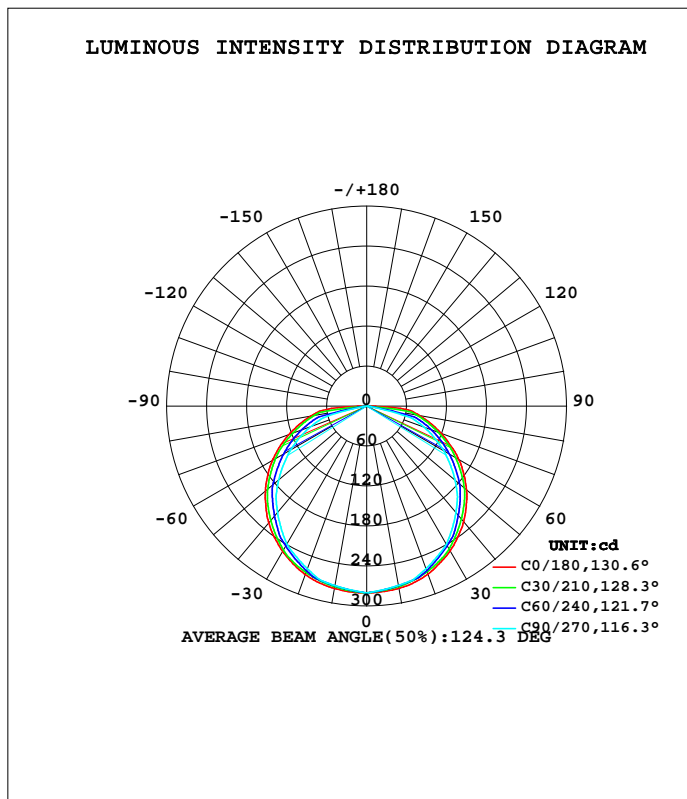


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.7V I:0.0575A P:12.15W PF:0.9161 Lamp Flux:1050x1 lm		
NAME: YBH12W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 74.82 lm/W			
MODEL	YBH12W3K	I _{max} (cd)	280.4	S/MH(C0/180)	1.33
NOMINAL POWER(W)	12	LOR(%)	86.6	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	908.84	η UP, DN(C0-180)	0.0, 43.3
NOMINAL FLUX(lm)	1050	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 43.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230.8	η down(%)	86.6	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZX
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:5.700m [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
5	279.4	277.4	276.8	277.6	279.8	277.6	276.9	277.4	0- 5	6.663	6.663	0.73,0.63
10	277.8	274.2	273.4	274.5	277.9	274.5	273.6	274.2	5- 10	19.76	26.42	2.91,2.52
15	274.3	270.3	270.0	270.9	274.5	270.8	270.3	270.1	10- 15	32.37	58.79	6.47,5.6
20	268.3	265.2	259.8	266.4	269.3	266.3	260.0	265.0	15- 20	44.12	102.9	11.3,9.8
25	260.0	255.1	249.7	256.4	261.2	256.5	249.8	254.7	20- 25	54.44	157.4	17.3,15
30	250.6	243.8	239.6	245.1	252.3	245.4	239.5	243.5	25- 30	63.24	220.6	24.3,21
35	239.2	232.0	224.0	233.1	241.1	233.3	223.9	232.1	30- 35	70.31	290.9	32,27.7
40	226.5	219.5	208.5	220.7	228.8	221.0	208.2	219.5	35- 40	75.22	366.1	40.3,34.9
45	211.6	203.0	192.9	204.5	214.1	205.0	192.6	202.7	40- 45	78.05	444.2	48.9,42.3
50	195.8	185.9	173.1	188.4	198.5	188.7	172.4	185.8	45- 50	78.73	522.9	57.5,49.8
55	178.0	169.1	153.2	171.9	181.5	172.2	152.2	168.8	50- 55	77.02	599.9	66,57.1
60	159.6	149.0	133.4	151.7	163.6	151.9	132.0	148.4	55- 60	73.20	673.1	74.1,64.1
65	138.7	129.1	112.2	131.4	143.9	131.7	110.3	128.4	60- 65	67.42	740.5	81.5,70.5
70	118.4	109.2	90.91	111.4	123.8	111.5	88.65	108.3	65- 70	59.89	800.4	88.1,76.2
75	98.62	89.25	69.67	91.45	103.7	91.49	66.96	88.27	70- 75	51.19	851.6	93.7,81.1
80	79.86	58.06	0	59.75	84.51	59.77	0	57.14	75- 80	37.47	889.1	97.8,84.7
85	58.96	0	0	0	61.42	0	0	0	80- 85	16.42	905.5	99.6,86.2
90	6.903	0	0	0	7.405	0	0	0	85- 90	3.333	908.8	100,86.6
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

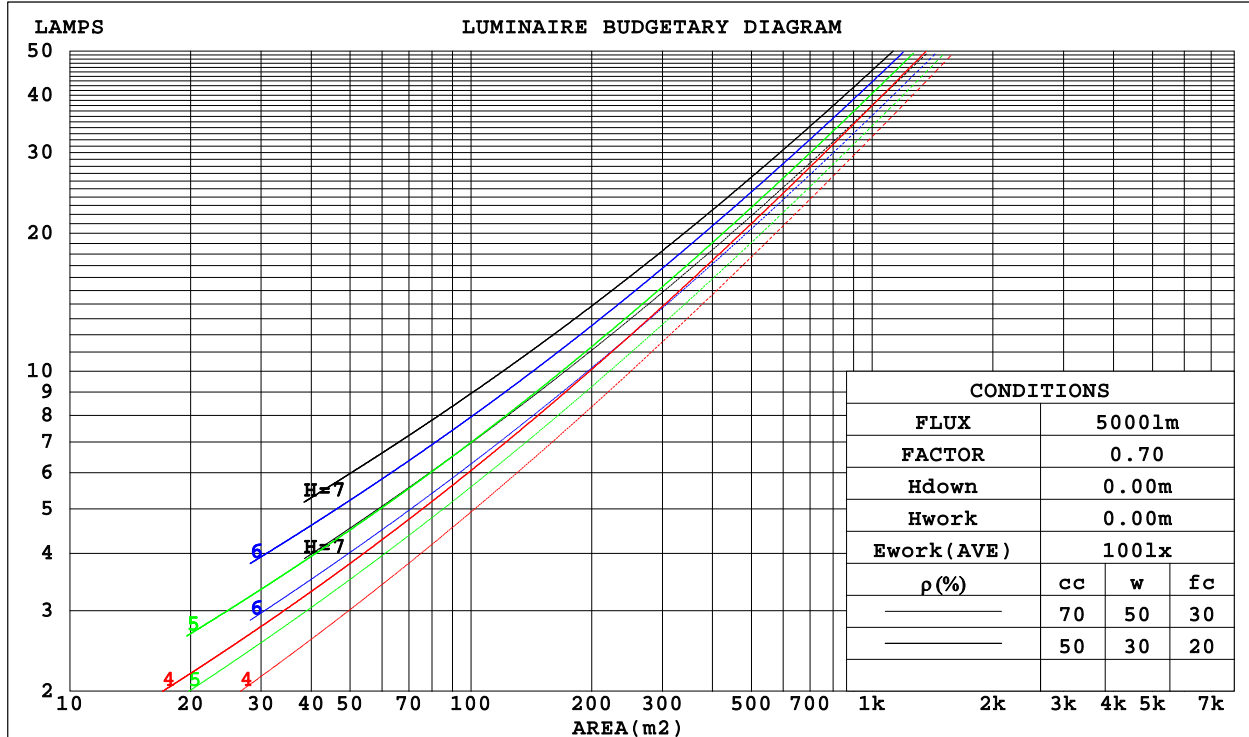
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZX
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:5.700m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.7V I:0.0575A P:12.15W PF:0.9161 Lamp Flux:1050x1 lm		
NAME: YBH12W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.03	1.03	1.03	1.01	1.01	1.01	.96	.96	.96	.92	.92	.92	.88	.88	.88	.87
1.0	.89	.85	.81	.87	.83	.80	.83	.80	.77	.80	.77	.75	.77	.75	.73	.71
2.0	.77	.70	.65	.75	.69	.64	.72	.67	.63	.69	.65	.61	.66	.63	.60	.58
3.0	.67	.59	.53	.65	.58	.53	.63	.57	.52	.60	.55	.51	.58	.54	.50	.48
4.0	.59	.51	.45	.58	.50	.44	.55	.49	.44	.53	.48	.43	.51	.46	.42	.40
5.0	.52	.44	.38	.51	.44	.38	.49	.43	.37	.48	.42	.37	.46	.41	.37	.35
6.0	.47	.39	.33	.46	.38	.33	.44	.38	.32	.43	.37	.32	.41	.36	.32	.30
7.0	.42	.34	.29	.42	.34	.29	.40	.33	.29	.39	.33	.28	.38	.32	.28	.26
8.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23
9.0	.35	.28	.23	.35	.28	.23	.34	.27	.23	.33	.27	.23	.32	.27	.23	.21
10.0	.33	.25	.21	.32	.25	.21	.31	.25	.21	.30	.25	.21	.30	.24	.20	.19



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZX
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:5.700m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.7V I:0.0575A P:12.15W PF:0.9161 Lamp Flux:1050x1 lm		
NAME: YBH12W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.:	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	.288	.164	.052	.282	.161	.051	.270	.155	.049	.259	.150	.048	.250	.145	.047	
2.0	.269	.147	.045	.263	.145	.045	.253	.141	.044	.243	.137	.043	.235	.133	.042	
3.0	.247	.131	.039	.242	.129	.039	.233	.126	.038	.224	.123	.038	.216	.120	.037	
4.0	.226	.117	.035	.222	.116	.034	.213	.113	.034	.206	.111	.033	.199	.108	.033	
5.0	.208	.106	.031	.204	.105	.030	.197	.102	.030	.190	.100	.030	.184	.098	.029	
6.0	.192	.096	.027	.188	.095	.027	.182	.093	.027	.176	.091	.027	.170	.090	.027	
7.0	.178	.088	.025	.175	.087	.025	.169	.085	.025	.163	.084	.024	.158	.082	.024	
8.0	.165	.081	.023	.163	.080	.023	.158	.079	.022	.153	.077	.022	.148	.076	.022	
9.0	.154	.075	.021	.152	.074	.021	.147	.073	.021	.143	.072	.021	.139	.071	.020	
10.0	.145	.069	.019	.143	.069	.019	.139	.068	.019	.135	.067	.019	.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	.165	.165	.165	.141	.141	.141	.096	.096	.096	.055	.055	.055	.018	.018	.018	
1.0	.157	.135	.115	.135	.116	.099	.092	.080	.068	.053	.046	.040	.017	.015	.013	
2.0	.151	.114	.083	.130	.098	.072	.089	.068	.050	.051	.040	.029	.016	.013	.010	
3.0	.145	.099	.062	.124	.085	.054	.085	.059	.038	.049	.035	.022	.016	.011	.007	
4.0	.138	.088	.049	.119	.076	.043	.082	.053	.030	.047	.031	.018	.015	.010	.006	
5.0	.132	.079	.040	.113	.068	.034	.078	.048	.024	.045	.028	.014	.015	.009	.005	
6.0	.125	.072	.033	.108	.062	.029	.074	.043	.020	.043	.026	.012	.014	.008	.004	
7.0	.119	.066	.028	.103	.057	.024	.071	.040	.017	.041	.023	.010	.013	.008	.003	
8.0	.113	.061	.024	.098	.053	.021	.068	.037	.015	.039	.022	.009	.013	.007	.003	
9.0	.108	.056	.021	.093	.049	.019	.064	.034	.013	.038	.020	.008	.012	.007	.003	
10.0	.103	.053	.019	.089	.046	.017	.062	.032	.012	.036	.019	.007	.012	.006	.002	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZX
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:5.700m [K=1.0000]
 Remarks:

Uncorrected UGR Table

Test:U:230.7V I:0.0575A P:12.15W PF:0.9161 Lamp Flux:1050x1 lm										
NAME: YBH12W3K					TYPE:			WEIGHT:		
DIM.:					SPEC.:			SERIAL No.:1		
MFR.:					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	17.0	18.6	17.3	18.8	19.0	16.3	17.9	16.6	18.1	18.3
3H	19.1	20.6	19.4	20.8	21.1	18.1	19.6	18.4	19.8	20.0
4H	20.2	21.6	20.5	21.8	22.1	18.9	20.3	19.2	20.5	20.8
6H	21.3	22.6	21.6	22.9	23.1	19.0	20.3	19.3	20.6	20.9
8H	21.8	23.1	22.1	23.4	23.7	18.9	20.2	19.3	20.5	20.8
12H	22.3	23.5	22.7	23.8	24.1	18.9	20.1	19.2	20.4	20.7
4H 2H	17.7	19.1	18.0	19.4	19.6	17.2	18.6	17.5	18.8	19.1
3H	20.0	21.3	20.4	21.6	21.9	19.2	20.4	19.5	20.7	21.0
4H	21.3	22.4	21.6	22.7	23.0	20.1	21.3	20.5	21.6	21.9
6H	22.5	23.5	22.9	23.9	24.3	20.3	21.3	20.7	21.6	22.0
8H	23.2	24.1	23.6	24.5	24.9	20.2	21.2	20.7	21.5	21.9
12H	23.8	24.7	24.2	25.1	25.5	20.2	21.1	20.6	21.4	21.9
8H 4H	21.7	22.6	22.1	23.0	23.4	20.7	21.7	21.1	22.0	22.4
6H	23.2	24.0	23.6	24.4	24.8	20.9	21.7	21.4	22.1	22.6
8H	24.0	24.7	24.5	25.2	25.6	20.9	21.6	21.4	22.0	22.5
12H	24.9	25.5	25.4	26.0	26.4	20.9	21.5	21.3	21.9	22.4
12H 4H	21.6	22.5	22.1	22.9	23.3	20.8	21.7	21.3	22.1	22.5
6H	23.2	23.9	23.7	24.3	24.8	21.1	21.8	21.6	22.2	22.7
8H	24.1	24.7	24.6	25.1	25.6	21.1	21.7	21.5	22.1	22.6
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 / - 0.3					+ 0.3 / - 0.6				

CIE Pub.117 Corrected 1050 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.2)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZX
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:5.700m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.7V I:0.0575A P:12.15W PF:0.9161 Lamp Flux:1050x1 lm		
NAME: YBH12W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

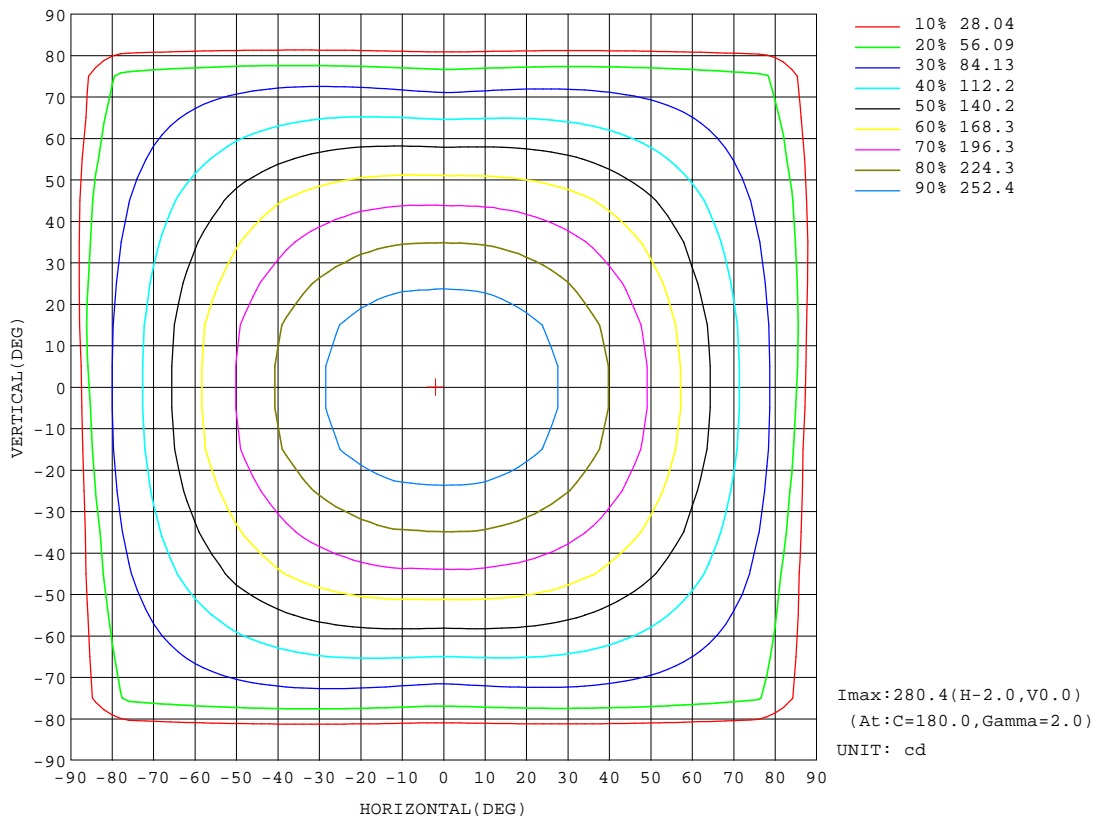
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	48	37	31	47	37	31	46	37	31	25
0.80	56	46	39	55	45	39	54	45	39	32
1.00	64	53	47	63	53	47	60	54	46	40
1.25	70	60	54	68	60	53	66	58	53	46
1.50	74	65	59	73	64	58	70	63	57	50
2.00	81	73	67	79	71	66	76	70	65	57
2.50	84	77	71	82	76	71	79	73	69	61
3.00	87	81	76	85	79	75	82	77	73	65
4.00	91	86	81	89	84	80	85	81	78	70
5.00	93	89	85	91	87	84	87	84	81	73
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZX
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:5.700m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.7V I:0.0575A P:12.15W PF:0.9161 Lamp Flux:1050x1 lm		
NAME: YBH12W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:



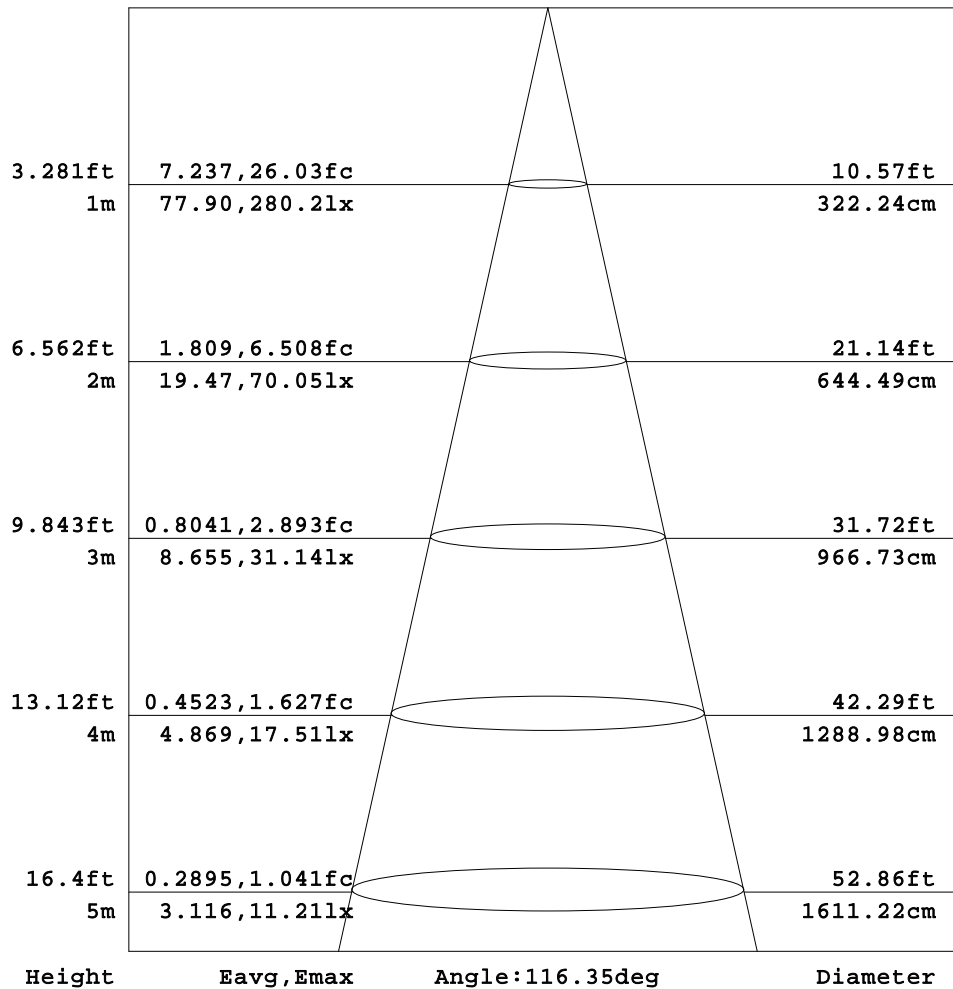
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZX
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:5.700m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.7V I:0.0575A P:12.15W PF:0.9161 Lamp Flux:1050x1 lm		
NAME: YBH12W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Flux out:651.7 lm



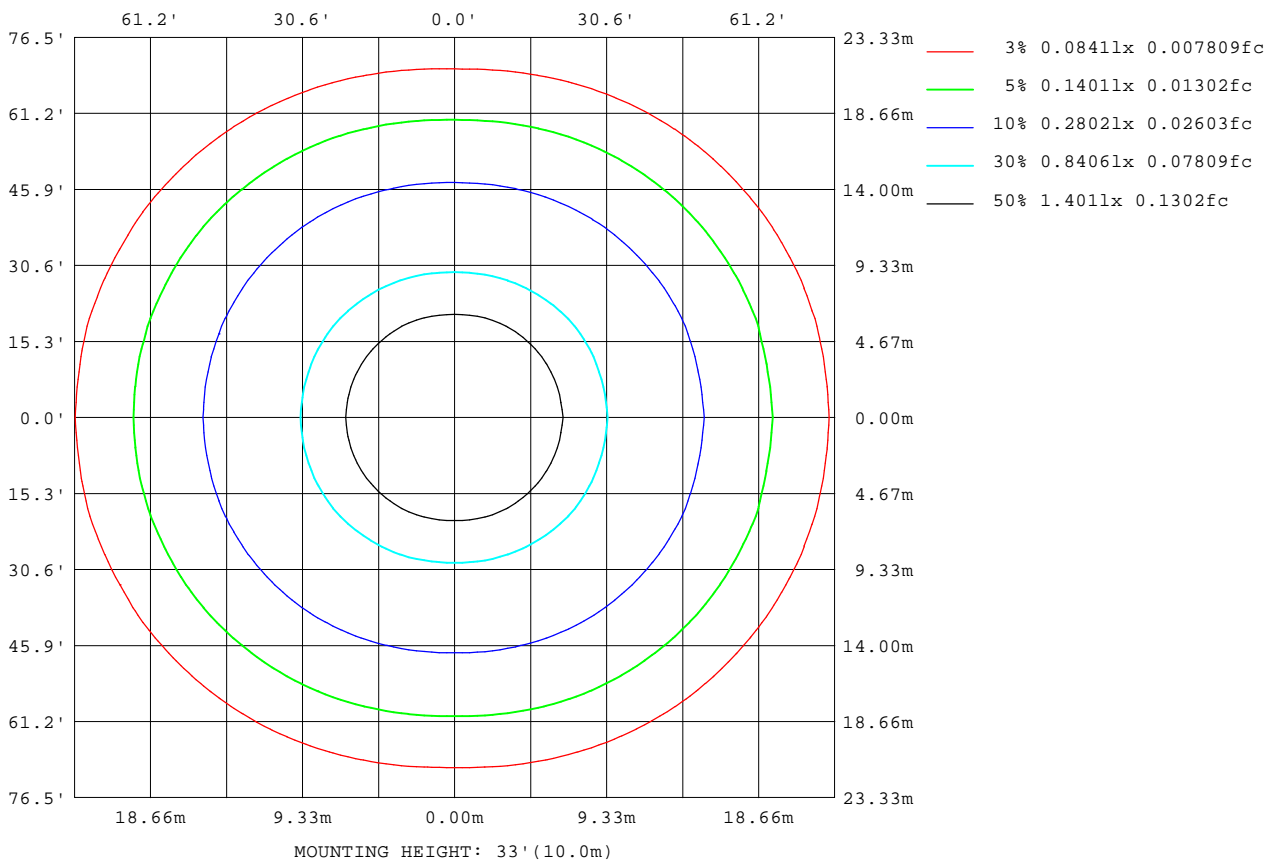
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: ZZK
 Test Date: 2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 5.700m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

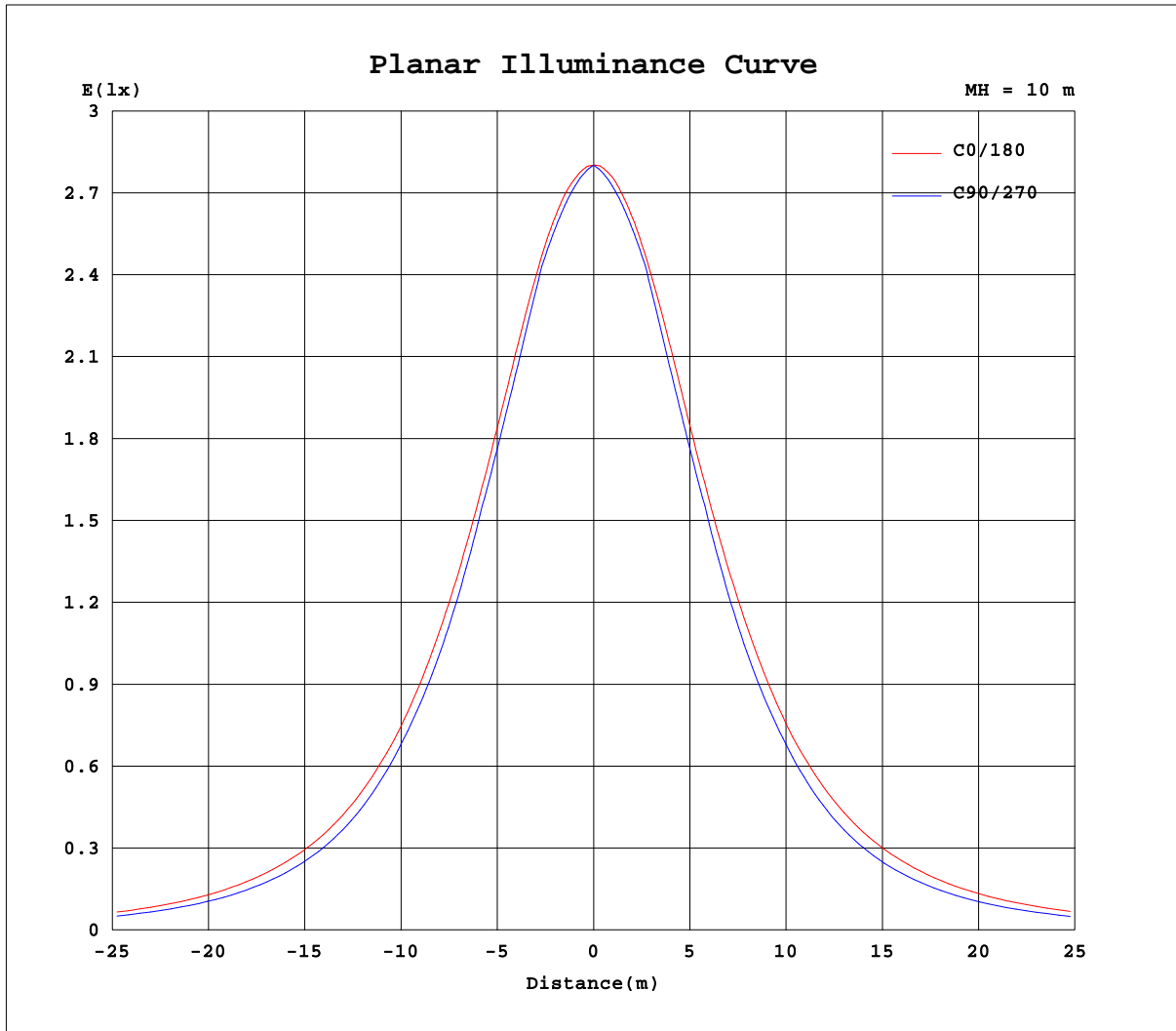
Test:U:230.7V I:0.0575A P:12.15W PF:0.9161 Lamp Flux:1050x1 lm		
NAME: YBH12W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZX
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:5.700m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: ZZK
 Test Date: 2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 5.700m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.7V I:0.0575A P:12.15W PF:0.9161 Lamp Flux:1050x1 lm		
NAME: YBH12W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280
5	279	279	279	279	278	278	278	278	278	277	277	277	277	277	277	277	277	277	277
10	278	277	277	276	276	275	275	275	274	274	274	274	274	274	273	273	273	273	273
15	274	273	273	272	272	271	271	270	270	270	270	270	270	270	270	270	270	270	270
20	268	267	266	266	265	265	265	265	265	265	265	264	263	262	261	261	260	260	260
25	260	259	258	257	257	257	257	258	256	255	254	253	252	252	251	251	250	250	250
30	251	249	248	248	248	248	248	246	245	244	243	242	242	241	241	241	240	240	240
35	239	238	237	237	237	236	235	234	233	232	232	231	230	228	227	226	225	224	224
40	226	225	224	224	224	222	221	220	220	219	217	216	214	213	211	210	210	209	208
45	212	210	209	210	208	207	207	207	205	203	201	200	199	197	196	195	194	193	193
50	196	194	194	193	192	192	191	189	188	186	185	184	182	180	178	176	175	174	173
55	178	176	177	175	175	175	173	171	170	169	167	165	162	160	158	157	155	154	153
60	160	158	158	157	157	155	154	153	151	149	147	145	143	141	139	137	135	134	133
65	139	138	137	137	137	136	134	133	131	129	127	125	123	121	119	117	115	113	112
70	118	118	117	117	117	115	114	112	111	109	107	105	103	101	98.1	95.9	93.8	92.0	90.9
75	98.6	98.0	97.8	97.5	96.5	95.4	94.2	92.9	91.2	89.3	87.2	85.0	82.6	80.1	77.6	75.2	72.9	70.9	69.7
80	79.9	79.5	79.5	78.7	77.9	76.9	75.5	73.9	71.9	58.1	43.6	32.0	22.6	15.1	9.30	5.06	2.18	0.53	0.00
85	59.0	45.8	57.5	62.5	54.0	21.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZX
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:5.700m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.7V I:0.0575A P:12.15W PF:0.9161 Lamp Flux:1050x1 lm		
NAME: YBH12W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280
5	277	277	277	277	277	277	277	277	278	278	278	278	278	279	279	279	279	280	279
10	273	274	274	274	274	274	274	274	274	275	275	275	276	276	276	277	277	278	277
15	270	270	270	270	270	270	270	271	271	271	271	271	272	272	272	273	274	275	274
20	260	260	261	261	262	264	265	266	266	266	266	266	266	266	267	267	268	269	268
25	250	250	251	251	252	253	254	255	256	258	259	259	259	259	259	259	260	261	260
30	240	240	240	241	242	243	243	244	245	246	248	249	250	250	250	250	251	252	251
35	224	225	226	228	229	231	232	232	233	234	236	237	239	240	239	239	240	241	240
40	209	209	211	212	214	215	217	218	221	222	223	224	225	227	227	227	227	229	227
45	193	194	195	197	198	200	201	203	205	207	209	209	210	212	214	213	213	214	213
50	174	175	177	179	181	183	185	187	188	190	192	194	194	196	198	198	197	198	197
55	154	155	157	159	161	164	166	169	172	173	174	176	178	179	180	181	180	182	181
60	134	136	137	140	142	144	147	149	152	154	157	158	159	161	161	163	163	164	163
65	113	115	117	119	122	125	127	129	131	134	136	138	139	140	142	143	143	144	143
70	91.8	93.8	96.1	98.7	101	104	107	109	111	113	115	117	119	120	121	122	123	124	123
75	70.7	72.8	75.4	78.2	81.0	83.8	86.5	89.1	91.5	93.6	95.5	97.1	98.6	100.0	101	102	103	104	103
80	0.53	2.17	5.07	9.38	15.3	22.9	32.7	44.8	59.7	74.2	76.3	78.2	79.8	80.9	81.9	83.1	83.8	84.5	84.4
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.7	56.2	65.0	60.2	50.4	61.4	66.4
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.40	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZX
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:5.700m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.7V I:0.0575A P:12.15W PF:0.9161 Lamp Flux:1050x1 lm		
NAME: YBH12W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280
5	279	279	279	278	278	278	278	278	277	277	277	277	277	277	277	277	277	277	277
10	277	276	276	276	275	275	275	274	274	274	274	274	274	274	274	274	274	273	273
15	273	272	272	272	271	271	271	271	271	271	270	270	270	270	270	270	270	270	270
20	267	267	266	266	266	266	266	266	266	265	263	262	261	261	260	260	260	260	260
25	259	259	259	259	259	260	258	256	255	254	253	252	251	251	250	250	250	250	250
30	250	250	250	250	248	246	245	244	243	243	242	241	240	240	239	240	239	240	240
35	239	239	240	239	238	236	235	233	233	232	231	229	227	226	225	224	224	224	225
40	227	227	228	225	224	223	222	221	219	217	215	214	212	211	209	209	208	208	209
45	213	214	212	210	210	209	207	205	203	201	200	198	197	195	194	193	193	193	193
50	198	198	196	195	194	192	190	189	187	186	184	181	178	176	175	173	172	173	174
55	182	180	179	178	176	175	174	172	169	166	164	161	159	156	155	153	152	153	154
60	163	162	161	159	158	157	155	152	149	147	144	142	139	137	135	133	132	133	134
65	143	143	141	140	139	137	134	132	129	127	124	121	119	116	113	112	110	111	113
70	123	122	121	120	118	116	114	111	109	106	103	101	97.7	94.8	92.2	90.0	88.7	89.5	91.3
75	103	102	101	99.4	97.9	96.1	93.9	91.5	88.9	86.0	83.0	79.9	76.8	73.7	70.9	68.5	67.0	68.0	70.0
80	84.2	83.0	82.0	80.8	79.2	77.0	74.6	59.8	44.6	32.4	22.7	15.0	9.19	4.96	2.12	0.51	0.00	0.51	2.09
85	66.5	66.8	57.6	23.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZX
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:5.700m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.7V I:0.0575A P:12.15W PF:0.9161 Lamp Flux:1050x1 lm		
NAME: YBH12W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280				
5	277	277	277	277	277	277	277	278	278	278	278	278	279	279	279				
10	273	273	274	274	274	274	274	274	275	275	275	276	276	277	277				
15	270	270	270	270	270	270	270	270	270	271	271	272	272	273	273				
20	261	261	262	263	264	265	265	265	264	264	265	265	265	266	267				
25	250	251	252	252	253	254	255	256	257	257	257	257	257	258	259				
30	240	241	241	242	242	243	244	245	246	247	248	248	248	248	249				
35	226	227	228	230	231	232	232	233	234	235	236	237	236	237	238				
40	210	211	212	214	215	217	219	220	220	221	222	224	224	224	225				
45	194	195	197	198	199	201	203	205	207	207	207	208	210	209	210				
50	175	177	179	181	183	185	186	187	189	192	192	192	193	194	194				
55	156	157	159	162	164	166	169	170	171	173	175	175	175	176	176				
60	136	138	140	142	144	146	148	151	153	154	155	157	157	158	158				
65	115	117	119	122	124	126	128	130	132	134	136	137	137	137	138				
70	93.6	96.1	98.7	101	104	106	108	110	112	114	115	117	117	118	118				
75	72.5	75.2	77.9	80.6	83.3	85.9	88.3	90.5	92.5	94.1	95.5	96.7	97.8	98.0	98.2				
80	4.87	8.99	14.6	21.9	31.2	42.8	57.1	71.1	73.4	75.4	77.1	78.4	79.2	80.0	79.8				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.0	54.6	63.5	63.3	62.0				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZX
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:5.700m [K=1.0000]
 Remarks: