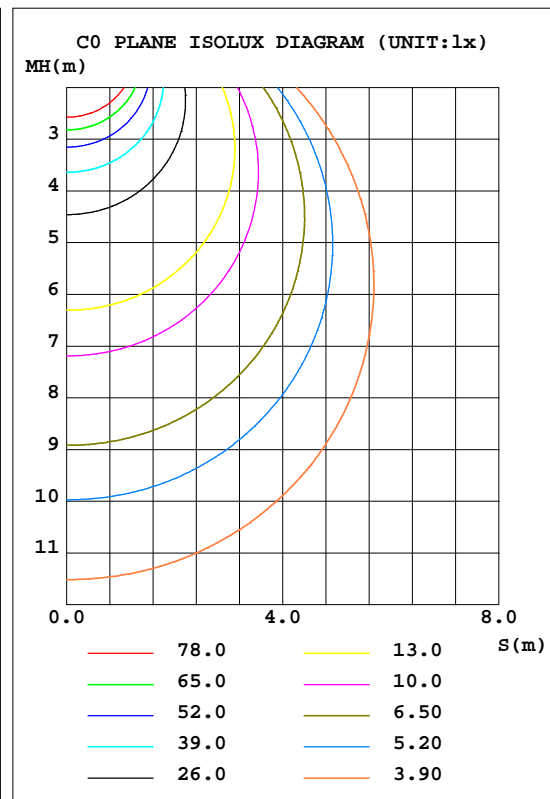
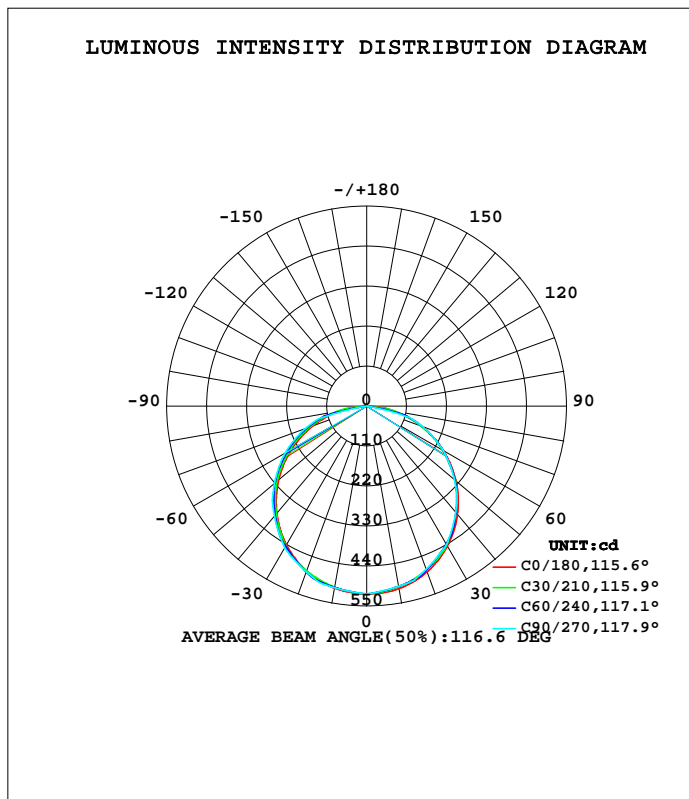


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.8V I:0.0860A P:18.09W PF:0.9115 Lamp Flux:1500x1 lm		
NAME: YR18W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.: JNC	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	YR18W3K	I <sub>max</sub> (cd)	517.0	S/MH(C0/180)	1.28
NOMINAL POWER(W)	18	LOR(%)	101.8	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1527.3	η UP, DN(C0-180)	0.0, 50.1
NOMINAL FLUX(lm)	1500	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 51.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.8	η down(%)	101.8	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: ZZK  
 Test Date: 2016-07-04

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	515.4	511.4	510.3	511.0	514.8	512.4	512.2	512.8	0- 5	12.29	12.29	0.80,0.82
10	510.1	504.0	503.6	503.2	508.6	506.0	507.5	506.6	5- 10	36.41	48.70	3.19,3.25
15	499.9	494.2	496.9	493.1	497.8	497.4	502.7	497.9	10- 15	59.47	108.2	7.08,7.21
20	485.5	482.3	477.9	480.9	483.3	486.8	485.5	487.2	15- 20	80.71	188.9	12.4,12.6
25	467.1	461.1	458.9	459.3	464.1	466.5	468.3	467.3	20- 25	99.13	288.0	18.9,19.2
30	444.7	437.3	439.9	434.8	441.3	443.4	451.1	444.3	25- 30	114.5	402.5	26.4,26.8
35	418.4	412.5	410.7	409.0	414.6	418.6	423.1	420.2	30- 35	126.3	528.8	34.6,35.3
40	388.8	385.5	381.4	381.0	384.7	392.0	395.2	393.9	35- 40	133.8	662.6	43.4,44.2
45	356.5	350.8	352.2	346.5	351.7	358.4	367.2	359.5	40- 45	137.2	799.8	52.4,53.3
50	320.8	315.7	315.5	311.6	316.2	324.5	331.4	324.9	45- 50	136.4	936.2	61.3,62.4
55	282.9	280.6	278.9	276.6	278.3	290.5	295.6	290.1	50- 55	131.1	1067	69.9,71.2
60	242.9	240.2	242.2	235.4	238.5	249.6	259.7	249.6	55- 60	121.9	1189	77.9,79.3
65	201.3	200.6	201.9	194.8	197.2	209.6	219.2	210.0	60- 65	109.1	1298	85,86.5
70	158.8	160.1	161.5	154.0	155.2	168.8	178.7	169.2	65- 70	92.89	1391	91.1,92.7
75	115.0	118.2	121.2	112.6	113.0	127.4	138.1	126.6	70- 75	74.22	1465	95.9,97.7
80	73.68	66.33	0	62.24	72.15	74.10	0	72.64	75- 80	47.20	1513	99,101
85	26.41	0	0	0	23.48	0	0	0	80- 85	13.55	1526	99.9,102
90	0.5944	0	0	0	0.4637	0	0	0	85- 90	1.290	1527	100,102
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			

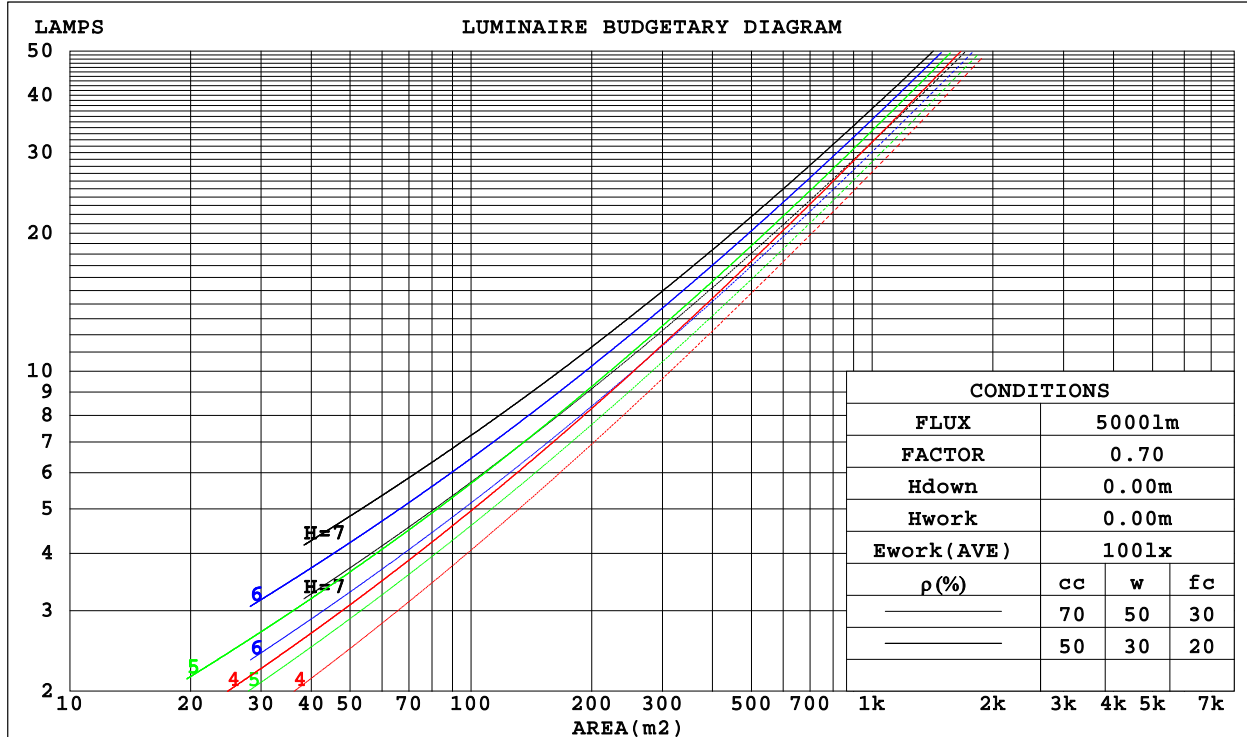
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZZX  
 Test Date:2016-07-04

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:230.8V I:0.0860A P:18.09W PF:0.9115 Lamp Flux:1500x1 lm		
NAME: YYR18W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.: JNC	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	1.21	1.21	1.21	1.18	1.18	1.18	1.13	1.13	1.13	1.08	1.08	1.08	1.04	1.04	1.04	1.02
1.0	1.06	1.01	.98	1.04	.90	.96	.99	.96	.93	.95	.93	.90	.92	.89	.87	.85
2.0	.92	.85	.79	.90	.83	.78	.86	.81	.76	.83	.78	.74	.80	.76	.73	.70
3.0	.80	.72	.65	.79	.71	.65	.76	.69	.63	.73	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.70	.61	.55	.67	.60	.54	.65	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.40	.52	.45	.40	.51	.45	.40	.38
7.0	.51	.42	.36	.51	.42	.36	.49	.41	.36	.48	.41	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.44	.37	.32	.42	.36	.31	.29
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZZX  
 Test Date:2016-07-04

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:230.8V I:0.0860A P:18.09W PF:0.9115 Lamp Flux:1500x1 lm		
NAME: YYR18W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.: JNC	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	.314	.178	.057	.306	.175	.056	.293	.168	.054	.281	.162	.052	.269	.156	.050	
2.0	.299	.164	.050	.293	.161	.050	.281	.156	.048	.270	.151	.047	.260	.147	.046	
3.0	.278	.148	.044	.272	.146	.044	.261	.142	.043	.252	.138	.042	.243	.134	.042	
4.0	.256	.133	.039	.251	.132	.039	.242	.128	.038	.233	.125	.038	.225	.122	.037	
5.0	.237	.121	.035	.232	.119	.035	.224	.117	.034	.216	.114	.034	.209	.112	.034	
6.0	.220	.110	.031	.216	.109	.031	.208	.107	.031	.201	.105	.031	.195	.103	.030	
7.0	.204	.101	.029	.201	.100	.028	.194	.098	.028	.188	.096	.028	.182	.095	.028	
8.0	.191	.093	.026	.187	.092	.026	.182	.091	.026	.176	.089	.026	.171	.088	.026	
9.0	.178	.086	.024	.176	.086	.024	.170	.084	.024	.165	.083	.024	.161	.082	.024	
10.0	.168	.080	.022	.165	.080	.022	.160	.079	.022	.156	.077	.022	.152	.076	.022	

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	.194	.194	.194	.166	.166	.166	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.183	.159	.137	.157	.136	.118	.107	.094	.082	.062	.054	.047	.020	.017	.015	
2.0	.176	.134	.100	.150	.116	.086	.103	.080	.060	.059	.047	.035	.019	.015	.011	
3.0	.168	.116	.075	.144	.100	.065	.099	.070	.046	.057	.041	.027	.018	.013	.009	
4.0	.160	.103	.059	.138	.089	.051	.095	.062	.036	.055	.036	.021	.018	.012	.007	
5.0	.153	.092	.048	.131	.080	.041	.090	.056	.029	.052	.033	.017	.017	.011	.006	
6.0	.146	.084	.040	.125	.073	.034	.086	.051	.024	.050	.030	.014	.016	.010	.005	
7.0	.139	.077	.034	.119	.067	.029	.082	.047	.021	.048	.028	.012	.015	.009	.004	
8.0	.132	.071	.029	.114	.062	.025	.079	.043	.018	.046	.025	.011	.015	.008	.004	
9.0	.126	.066	.026	.108	.057	.022	.075	.040	.016	.044	.024	.009	.014	.008	.003	
10.0	.120	.062	.023	.103	.053	.020	.072	.038	.014	.042	.022	.008	.014	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZZX  
 Test Date:2016-07-04

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:230.8V I:0.0860A P:18.09W PF:0.9115 Lamp Flux:1500x1 lm										
NAME: YYR18W3K					TYPE:			WEIGHT:		
DIM.:					SPEC.:			SERIAL No.:1		
MFR.: JNC					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	18.4	20.0	18.7	20.2	20.4	18.5	20.0	18.7	20.2	20.4
3H	20.1	21.5	20.4	21.7	22.0	20.2	21.6	20.5	21.8	22.1
4H	20.8	22.1	21.1	22.4	22.7	20.9	22.3	21.2	22.5	22.8
6H	21.3	22.6	21.7	22.9	23.2	21.0	22.3	21.3	22.6	22.8
8H	21.5	22.7	21.8	23.0	23.3	21.0	22.2	21.3	22.5	22.8
12H	21.6	22.7	21.9	23.0	23.4	20.9	22.1	21.3	22.4	22.7
4H 2H	19.1	20.4	19.4	20.7	21.0	19.1	20.5	19.4	20.7	21.0
3H	20.9	22.1	21.3	22.4	22.7	21.0	22.2	21.4	22.5	22.8
4H	21.8	22.9	22.2	23.2	23.5	21.9	23.0	22.3	23.3	23.7
6H	22.5	23.4	22.9	23.8	24.1	22.1	23.0	22.5	23.4	23.7
8H	22.7	23.6	23.1	24.0	24.3	22.0	22.9	22.4	23.3	23.7
12H	22.8	23.6	23.2	24.0	24.4	22.0	22.8	22.4	23.2	23.6
8H 4H	22.1	23.0	22.5	23.4	23.8	22.2	23.1	22.6	23.5	23.9
6H	23.0	23.7	23.4	24.1	24.6	22.4	23.2	22.9	23.6	24.0
8H	23.3	24.0	23.8	24.4	24.8	22.4	23.1	22.9	23.5	23.9
12H	23.5	24.1	24.0	24.6	25.0	22.4	22.9	22.8	23.4	23.9
12H 4H	22.1	22.9	22.5	23.3	23.7	22.3	23.1	22.7	23.5	23.9
6H	23.0	23.6	23.4	24.1	24.5	22.5	23.1	22.9	23.6	24.0
8H	23.3	23.9	23.8	24.3	24.8	22.4	23.0	22.9	23.5	23.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.2				
2.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.5				

CIE Pub.117 Corrected 1500 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.4)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZZX  
 Test Date:2016-07-04

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:230.8V I:0.0860A P:18.09W PF:0.9115 Lamp Flux:1500x1 lm		
NAME: YYR18W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.: JNC	SUR.:	PROTECTION ANGLE:

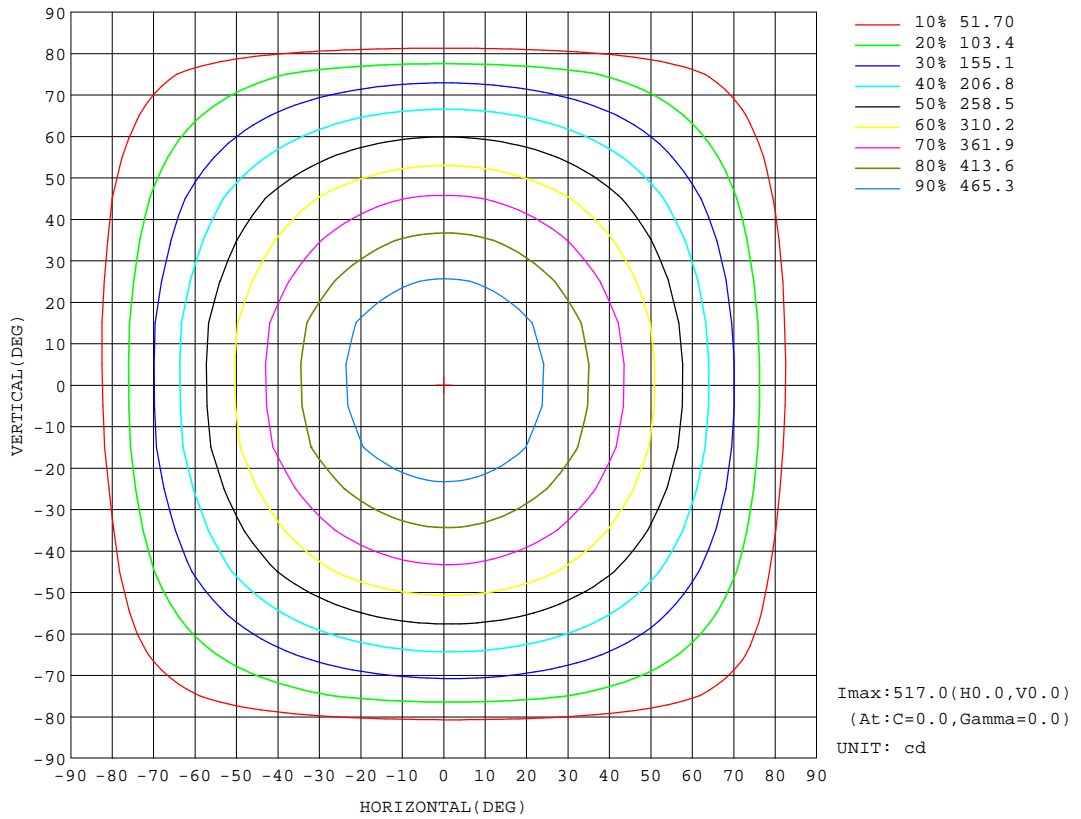
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	48	65	55	48	41
1.00	77	65	58	75	65	57	73	66	57	50
1.25	84	73	66	83	72	65	80	71	65	57
1.50	89	79	72	87	78	71	84	76	70	62
2.00	96	88	81	94	86	80	91	84	79	71
2.50	100	92	86	98	91	85	94	88	83	75
3.00	104	97	91	102	95	90	98	92	88	79
4.00	108	102	98	106	101	96	101	97	94	84
5.00	111	106	102	108	104	100	104	100	97	88
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:2016-07-04

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:230.8V I:0.0860A P:18.09W PF:0.9115 Lamp Flux:1500x1 lm		
NAME: YR18W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.: JNC	SUR.:	PROTECTION ANGLE:



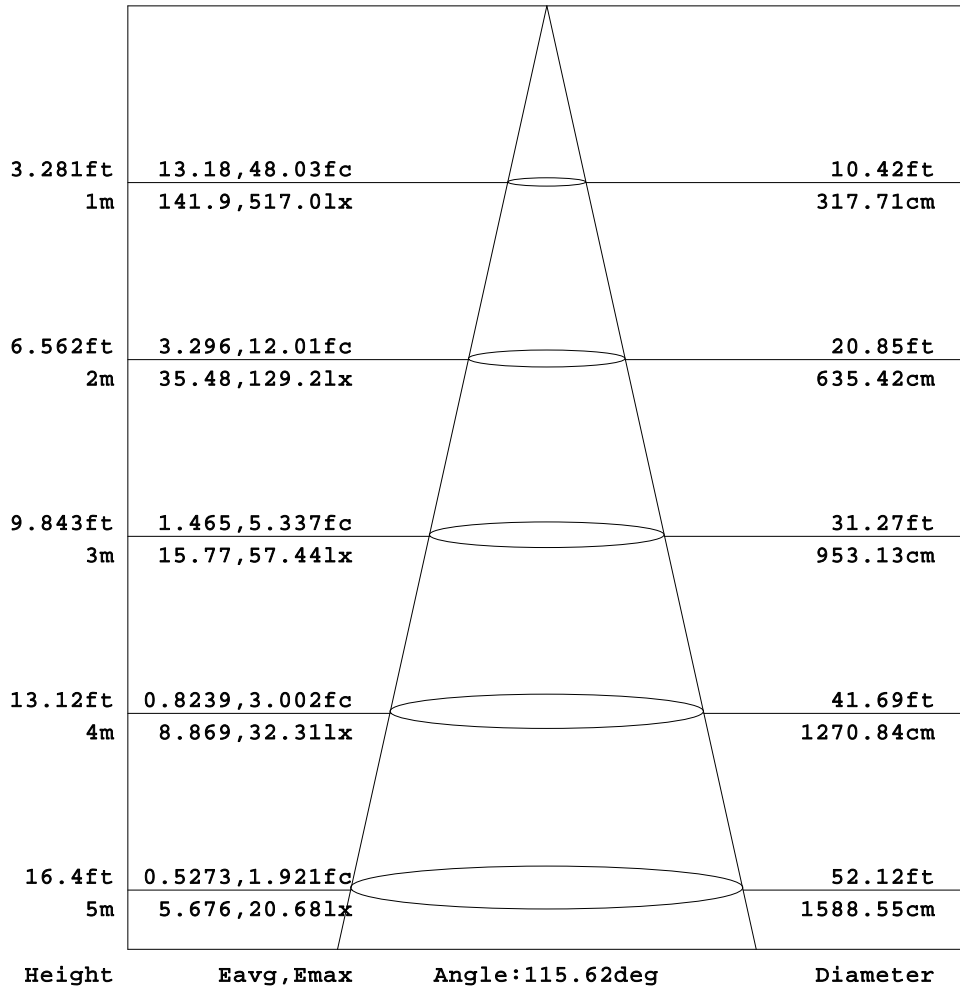
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZZX  
 Test Date:2016-07-04

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:230.8V I:0.0860A P:18.09W PF:0.9115 Lamp Flux:1500x1 lm		
NAME: YR18W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.: JNC	SUR.:	PROTECTION ANGLE:

Flux out:1142 lm



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

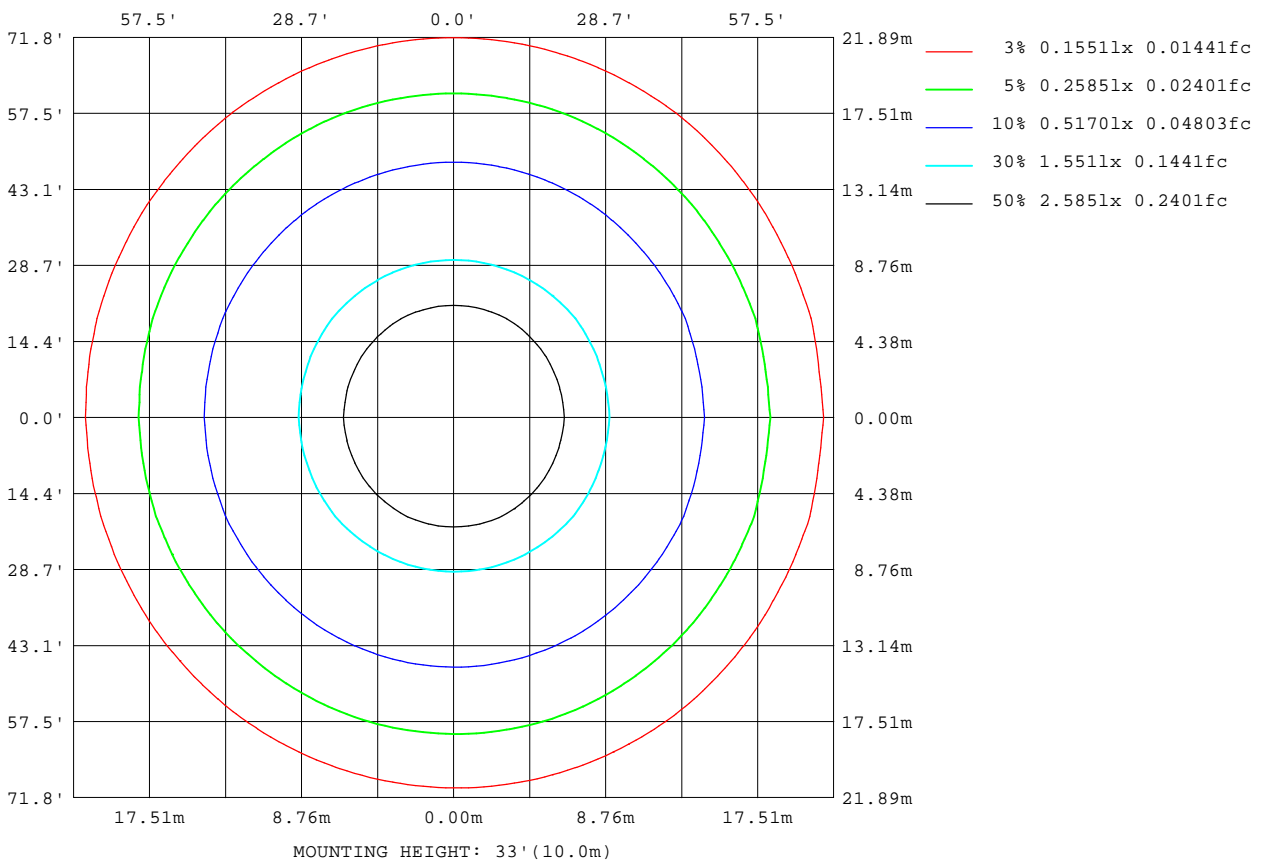
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: ZZXX  
 Test Date: 2016-07-04

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

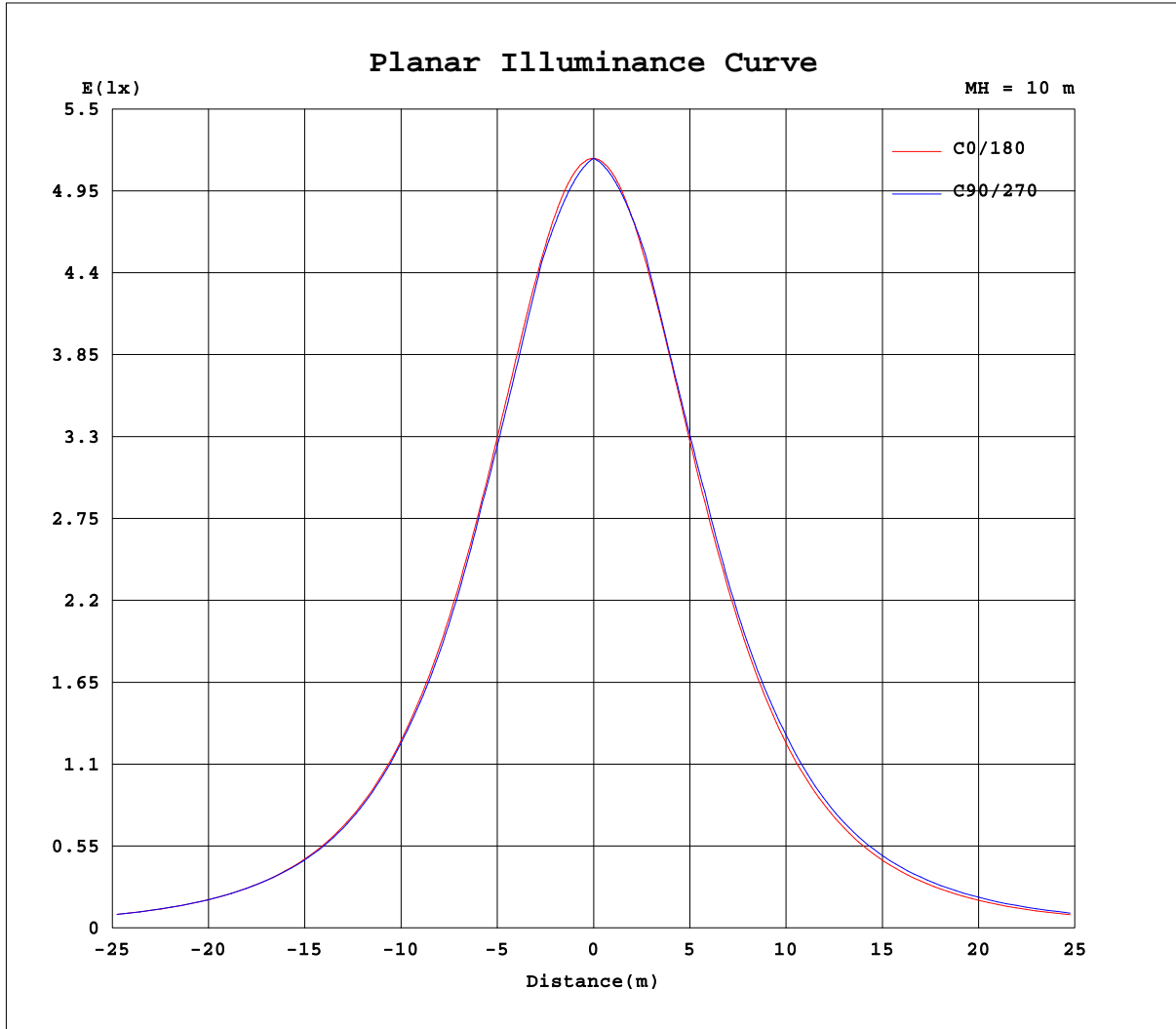
Test:U:230.8V I:0.0860A P:18.09W PF:0.9115 Lamp Flux:1500x1 lm		
NAME: YR18W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.: JNC	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZZX  
 Test Date:2016-07-04

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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: 2016-07-04

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:230.8V I:0.0860A P:18.09W PF:0.9115 Lamp Flux:1500x1 lm		
NAME: YYR18W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.: JNC	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	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517
5	515	515	514	514	513	513	512	512	512	511	511	511	511	511	511	510	510	510	510
10	510	509	508	507	506	505	505	505	504	504	504	504	504	504	504	504	504	504	504
15	500	498	497	496	495	494	494	494	494	494	495	495	495	496	496	496	497	497	497
20	486	483	482	480	480	480	480	480	481	482	482	481	480	479	479	479	478	478	478
25	467	464	462	461	461	461	462	464	462	461	460	460	460	459	459	459	459	459	459
30	445	442	440	439	439	441	440	439	438	437	437	438	438	439	439	440	440	440	440
35	418	415	413	413	414	414	412	412	412	412	414	415	414	413	412	412	411	411	411
40	389	385	384	384	385	383	383	383	385	385	384	383	382	382	382	382	382	382	381
45	357	353	352	353	351	351	352	354	352	351	350	350	351	351	352	352	352	352	352
50	321	317	317	317	316	317	318	316	316	316	317	317	318	317	317	316	316	316	316
55	283	279	280	279	279	281	279	279	279	281	280	280	279	279	279	279	279	279	279
60	243	239	240	239	242	240	240	241	240	240	241	241	241	242	242	243	243	243	242
65	201	198	198	200	199	199	199	199	200	201	202	202	202	203	203	203	202	202	202
70	159	156	157	157	157	157	157	159	160	160	160	161	161	161	162	162	162	162	162
75	115	114	115	115	115	116	116	117	118	118	119	119	120	121	121	121	122	121	121
80	73.7	71.7	72.8	74.1	74.7	74.8	75.2	75.8	76.5	66.3	53.6	41.9	31.3	22.0	14.3	8.09	3.62	0.91	0.00
85	26.4	22.6	29.8	34.5	32.3	15.7	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	0.59	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:2016-07-04

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:230.8V I:0.0860A P:18.09W PF:0.9115 Lamp Flux:1500x1 lm		
NAME: YYR18W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.: JNC	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	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517
5	510	510	510	510	510	510	511	511	511	511	512	512	512	513	513	514	514	515	514
10	503	503	503	503	503	503	503	503	503	503	504	504	504	505	506	506	507	509	508
15	497	497	496	496	495	495	494	494	493	493	493	493	493	493	494	495	496	498	497
20	478	478	478	478	479	479	480	481	481	480	479	478	478	478	478	480	481	483	482
25	459	459	458	458	458	458	458	458	459	461	463	461	460	459	459	460	462	464	462
30	440	439	438	437	437	436	435	435	435	435	437	439	439	437	436	437	438	441	439
35	410	410	410	410	410	411	411	410	409	409	409	410	412	412	410	410	411	415	413
40	381	381	380	380	380	379	379	380	381	380	379	379	380	383	382	380	381	385	383
45	352	351	350	350	349	348	347	346	347	347	348	347	346	348	351	348	349	352	350
50	315	315	315	314	314	315	314	313	312	311	311	312	311	311	314	314	313	316	315
55	278	278	277	277	276	276	276	276	277	275	274	273	275	274	275	277	276	278	278
60	242	241	240	239	238	237	236	236	235	236	237	235	234	235	235	237	236	239	239
65	201	201	200	199	198	198	197	196	195	194	194	195	194	193	194	195	196	197	198
70	161	160	159	158	157	156	155	155	154	153	152	152	152	153	151	152	155	155	157
75	121	120	119	118	117	116	115	114	113	112	111	111	110	109	110	110	111	113	114
80	0.90	3.56	7.93	13.9	21.3	30.1	39.9	50.7	62.2	71.2	70.4	69.8	69.4	69.2	68.6	68.8	67.8	72.1	73.1
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	14.0	28.3	29.9	25.2	20.7	23.5	33.2
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	0.46	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZZX  
 Test Date:2016-07-04

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:230.8V I:0.0860A P:18.09W PF:0.9115 Lamp Flux:1500x1 lm		
NAME: YYR18W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.: JNC	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	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517
5	514	514	513	513	513	513	513	512	512	512	512	512	512	512	512	512	512	512	512
10	507	507	506	506	506	506	506	506	506	506	507	507	507	507	507	507	507	507	507
15	496	495	495	495	496	496	497	497	498	499	500	501	501	502	502	503	503	503	502
20	481	481	481	481	482	484	485	487	487	486	486	486	485	485	485	485	486	485	485
25	462	462	463	464	466	469	467	466	466	466	466	467	467	467	468	468	468	468	468
30	439	439	441	444	445	443	443	443	444	445	446	447	448	449	450	451	451	451	451
35	413	414	417	418	417	417	417	419	421	423	423	422	422	423	423	423	423	423	423
40	383	386	388	387	387	388	390	392	392	392	392	393	394	394	395	395	395	395	395
45	351	355	354	354	356	359	358	358	359	360	362	363	365	366	367	367	367	367	367
50	317	319	318	320	322	322	323	324	327	329	330	330	330	331	331	331	331	331	331
55	281	280	281	284	284	285	288	291	290	291	292	293	293	294	295	295	296	295	295
60	242	241	243	243	245	249	249	250	251	252	254	255	256	258	259	259	260	259	259
65	199	201	201	204	206	207	208	210	212	213	215	216	217	218	218	219	219	219	219
70	157	158	161	162	163	165	167	169	170	172	173	175	176	177	178	178	179	178	178
75	115	117	119	120	122	124	126	127	129	131	133	134	135	136	137	138	138	138	137
80	75.3	76.0	78.0	79.6	81.3	83.2	85.2	74.1	60.0	46.9	35.1	24.8	16.1	9.14	4.09	1.03	0.00	1.03	4.09
85	34.8	37.3	35.6	17.4	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:2016-07-04

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:230.8V I:0.0860A P:18.09W PF:0.9115 Lamp Flux:1500x1 lm		
NAME: YYR18W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.: JNC	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	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517				
5	512	512	512	512	513	513	513	513	513	513	514	514	514	515	515				
10	507	507	507	507	507	507	507	507	507	507	507	507	508	508	509				
15	502	501	501	500	499	499	498	497	497	497	497	497	497	498	499				
20	486	486	486	486	487	487	487	486	484	483	483	482	482	483	484				
25	468	468	467	467	467	467	467	468	469	467	465	464	464	464	465				
30	450	449	448	447	446	445	444	444	444	445	445	443	441	441	442				
35	423	423	423	424	424	422	420	419	418	418	419	418	416	415	416				
40	395	394	393	393	393	393	394	392	390	388	388	389	387	386	386				
45	366	365	363	362	361	360	360	360	361	358	356	355	356	354	354				
50	331	330	330	330	329	327	325	324	324	324	322	320	320	319	318				
55	294	294	293	292	291	290	290	288	286	285	286	283	281	282	280				
60	258	257	256	254	252	251	250	249	248	246	244	245	242	242	240				
65	218	217	216	215	214	212	210	208	206	205	203	202	203	200	199				
70	177	176	175	173	172	171	169	168	165	163	161	160	159	158	157				
75	136	135	134	132	130	128	127	125	123	121	119	117	116	115	114				
80	9.11	16.0	24.6	34.9	46.4	59.1	72.6	83.1	81.1	79.1	77.4	76.1	74.4	73.4	72.7				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.4	33.1	34.9	33.1	30.0				
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:2016-07-04

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: