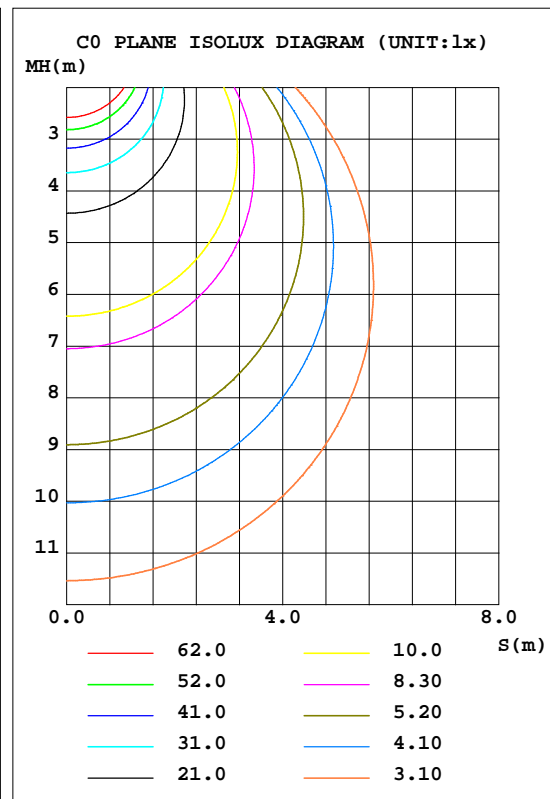
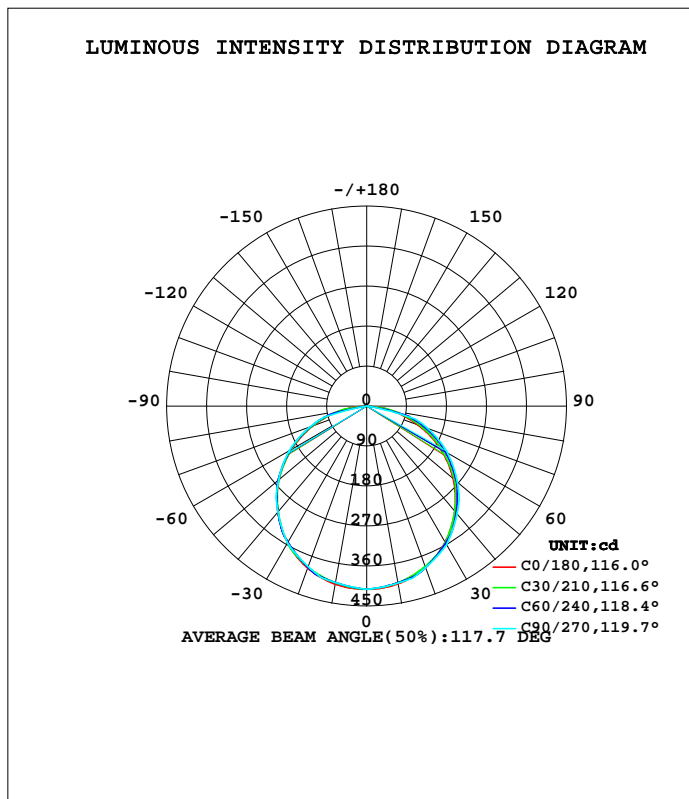


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.8V I:0.0705A P:14.89W PF:0.9153 Lamp Flux:1250x1 lm		
NAME: YYR15W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.: JNC	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 82.52 lm/W			
MODEL	YYR15W3K	I <sub>max</sub> (cd)	412.6	S/MH(C0/180)	1.27
NOMINAL POWER(W)	16	LOR(%)	98.3	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1228.6	η UP, DN(C0-180)	0.0, 49.5
NOMINAL FLUX(lm)	1250	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 48.8
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.7	η down(%)	98.3	CIBSE SHR MAX	1.35



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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	\$lum,lamp
5	410.9	408.8	408.6	409.1	411.2	408.7	408.1	408.5	0- 5	9.811	9.811	0.80,0.78
10	406.3	403.5	404.6	404.1	407.1	403.5	403.6	402.7	5- 10	29.08	38.89	3.17,3.11
15	398.2	396.4	400.6	397.6	399.4	396.7	399.1	395.2	10- 15	47.54	86.44	7.04,6.91
20	386.6	387.6	387.1	389.4	388.4	388.2	384.8	385.7	15- 20	64.59	151.0	12.3,12.1
25	371.5	371.6	373.6	373.5	373.6	372.0	370.6	369.3	20- 25	79.42	230.4	18.8,18.4
30	353.5	353.4	360.1	355.2	355.9	353.4	356.4	350.3	25- 30	91.83	322.3	26.2,25.8
35	332.4	334.3	338.3	335.8	335.2	333.8	333.8	330.6	30- 35	101.4	423.7	34.5,33.9
40	308.7	313.6	316.5	314.5	311.7	312.3	311.1	309.1	35- 40	107.6	531.3	43.2,42.5
45	282.6	286.4	294.7	288.1	285.8	285.4	288.5	281.2	40- 45	110.5	641.8	52.2,51.3
50	254.1	258.9	266.5	260.9	257.5	258.2	259.3	253.1	45- 50	110.1	751.9	61.2,60.2
55	223.4	231.2	238.4	233.6	227.3	230.8	230.2	224.7	50- 55	106.0	857.9	69.8,68.6
60	191.0	198.8	210.2	200.7	195.3	197.6	201.0	191.8	55- 60	98.68	956.6	77.9,76.5
65	157.1	167.3	177.8	168.2	161.4	164.7	168.0	159.0	60- 65	88.35	1045	85.1,83.6
70	121.0	134.0	145.4	134.5	126.7	131.4	134.9	125.4	65- 70	75.08	1120	91.2,89.6
75	86.33	98.54	113.1	99.52	91.40	97.39	101.8	91.67	70- 75	59.72	1180	96,94.4
80	53.08	55.34	0	56.03	57.05	55.08	0	50.80	75- 80	37.53	1217	99.1,97.4
85	17.01	0	0	0	19.14	0	0	0	80- 85	10.39	1228	99.9,98.2
90	0.4698	0	0	0	0.3705	0	0	0	85- 90	0.9494	1229	100,98.3
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		

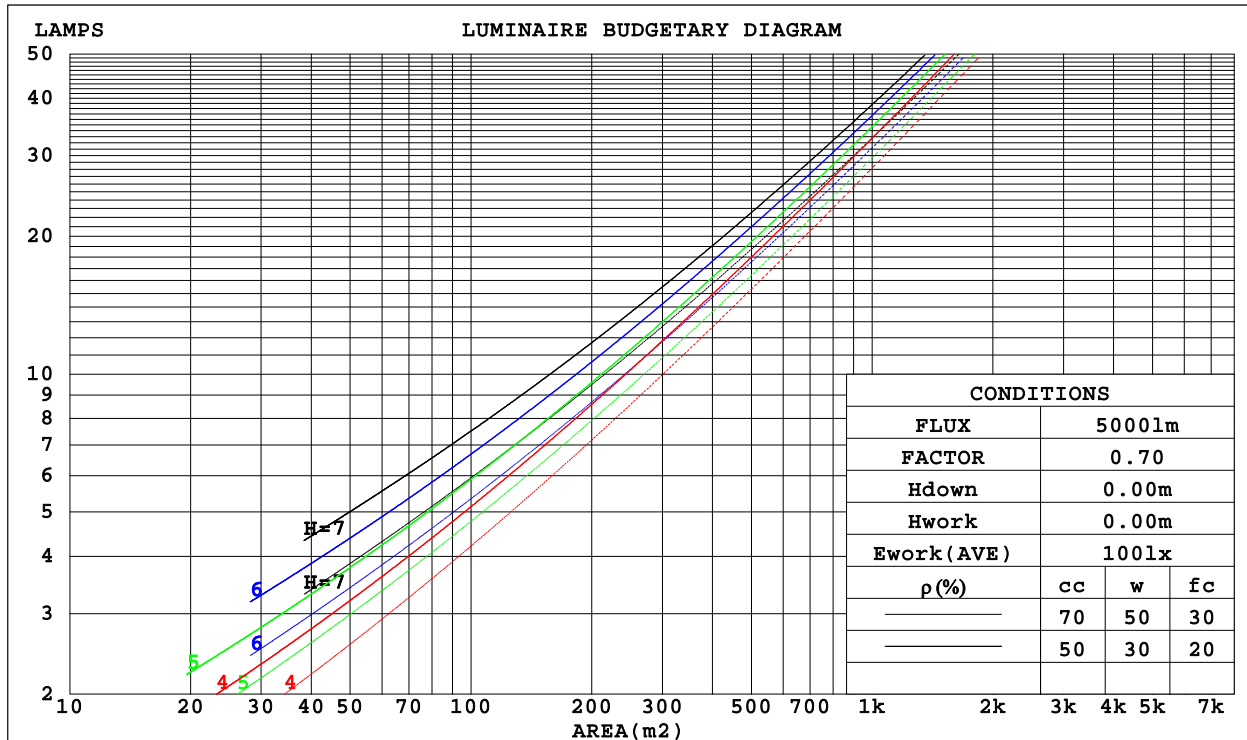
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZZX  
 Test Date:2016-07-04

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:0.0705A P:14.89W PF:0.9153 Lamp Flux:1250x1 lm		
NAME: YYR15W3K	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	1.17	1.17	1.17	1.14	1.14	1.14	1.09	1.09	1.09	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.02	.98	.94	.90	.96	.93	.96	.93	.90	.92	.89	.87	.88	.86	.84	.82
2.0	.89	.82	.76	.87	.81	.75	.83	.78	.73	.80	.76	.72	.77	.73	.70	.68
3.0	.78	.69	.63	.76	.68	.62	.73	.67	.61	.70	.65	.60	.68	.63	.59	.57
4.0	.69	.60	.53	.67	.59	.53	.65	.58	.52	.62	.56	.51	.60	.55	.50	.48
5.0	.61	.52	.45	.60	.51	.45	.58	.50	.45	.56	.49	.44	.54	.48	.44	.42
6.0	.55	.46	.40	.54	.45	.39	.52	.45	.39	.50	.44	.39	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.46	.39	.34	.45	.38	.34	.32
8.0	.45	.37	.31	.45	.36	.31	.43	.36	.31	.42	.35	.30	.41	.35	.30	.28
9.0	.41	.33	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.25
10.0	.38	.30	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.25	.23



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:0.0705A P:14.89W PF:0.9153 Lamp Flux:1250x1 lm		
NAME: YYR15W3K	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	.303	.172	.054	.296	.169	.054	.283	.162	.052	.271	.156	.050	.260	.150	.048	
2.0	.289	.158	.049	.283	.156	.048	.271	.151	.047	.260	.146	.046	.251	.142	.045	
3.0	.268	.143	.043	.263	.141	.042	.252	.137	.042	.243	.133	.041	.234	.130	.040	
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.036	.217	.118	.036	
5.0	.229	.117	.034	.225	.115	.034	.217	.113	.033	.209	.110	.033	.202	.108	.032	
6.0	.212	.106	.030	.208	.105	.030	.201	.103	.030	.194	.101	.030	.188	.099	.029	
7.0	.197	.098	.028	.194	.097	.028	.187	.095	.027	.181	.093	.027	.176	.091	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.088	.025	.170	.086	.025	.165	.085	.025	
9.0	.172	.083	.023	.170	.083	.023	.165	.081	.023	.160	.080	.023	.155	.079	.023	
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.146	.074	.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	.187	.187	.187	.160	.160	.160	.109	.109	.109	.063	.063	.063	.020	.020	.020	
1.0	.177	.153	.132	.152	.132	.114	.104	.091	.079	.060	.052	.046	.019	.017	.015	
2.0	.170	.130	.096	.145	.112	.083	.100	.077	.058	.057	.045	.034	.018	.015	.011	
3.0	.162	.112	.073	.139	.097	.063	.095	.067	.044	.055	.039	.026	.018	.013	.009	
4.0	.155	.099	.057	.133	.086	.049	.091	.060	.035	.053	.035	.021	.017	.011	.007	
5.0	.148	.089	.046	.127	.077	.040	.087	.054	.028	.051	.032	.017	.016	.010	.006	
6.0	.141	.081	.038	.121	.070	.033	.083	.049	.024	.048	.029	.014	.016	.009	.005	
7.0	.134	.074	.032	.115	.064	.028	.080	.045	.020	.046	.027	.012	.015	.009	.004	
8.0	.127	.068	.028	.110	.059	.024	.076	.042	.017	.044	.025	.010	.014	.008	.003	
9.0	.121	.064	.025	.105	.055	.021	.072	.039	.015	.042	.023	.009	.014	.008	.003	
10.0	.116	.059	.022	.100	.052	.019	.069	.036	.014	.040	.021	.008	.013	.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:0.0705A P:14.89W PF:0.9153 Lamp Flux:1250x1 lm										
NAME: YYR15W3K					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	17.6	19.2	17.9	19.4	19.6	18.1	19.6	18.3	19.8	20.0
3H	19.2	20.7	19.5	20.9	21.1	19.9	21.3	20.2	21.6	21.8
4H	19.9	21.2	20.2	21.5	21.8	20.7	22.1	21.1	22.3	22.6
6H	20.4	21.6	20.7	21.9	22.2	20.9	22.1	21.2	22.4	22.7
8H	20.5	21.7	20.8	22.0	22.3	20.8	22.0	21.1	22.3	22.6
12H	20.6	21.7	20.9	22.0	22.3	20.7	21.9	21.1	22.2	22.5
4H 2H	18.4	19.7	18.7	20.0	20.2	18.7	20.0	19.0	20.3	20.6
3H	20.2	21.3	20.5	21.6	21.9	20.7	21.9	21.1	22.2	22.5
4H	20.9	22.0	21.3	22.3	22.7	21.7	22.8	22.1	23.1	23.4
6H	21.5	22.5	21.9	22.9	23.2	21.9	22.8	22.3	23.2	23.6
8H	21.7	22.6	22.2	23.0	23.4	21.8	22.7	22.2	23.1	23.5
12H	21.8	22.7	22.3	23.1	23.5	21.8	22.6	22.2	23.0	23.4
8H 4H	21.3	22.2	21.7	22.6	23.0	22.0	22.9	22.4	23.3	23.6
6H	22.1	22.8	22.5	23.3	23.7	22.2	23.0	22.7	23.4	23.8
8H	22.4	23.1	22.9	23.5	23.9	22.2	22.8	22.6	23.3	23.7
12H	22.6	23.2	23.1	23.6	24.1	22.1	22.7	22.6	23.2	23.6
12H 4H	21.3	22.1	21.7	22.5	22.9	22.0	22.8	22.4	23.2	23.6
6H	22.1	22.8	22.6	23.2	23.6	22.3	22.9	22.7	23.3	23.8
8H	22.4	23.0	22.9	23.4	23.9	22.2	22.8	22.7	23.2	23.7
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 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.5				

CIE Pub.117 Corrected 1250 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.8)

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:0.0705A P:14.89W PF:0.9153 Lamp Flux:1250x1 lm		
NAME: YYR15W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.: JNC	SUR.:	PROTECTION ANGLE:

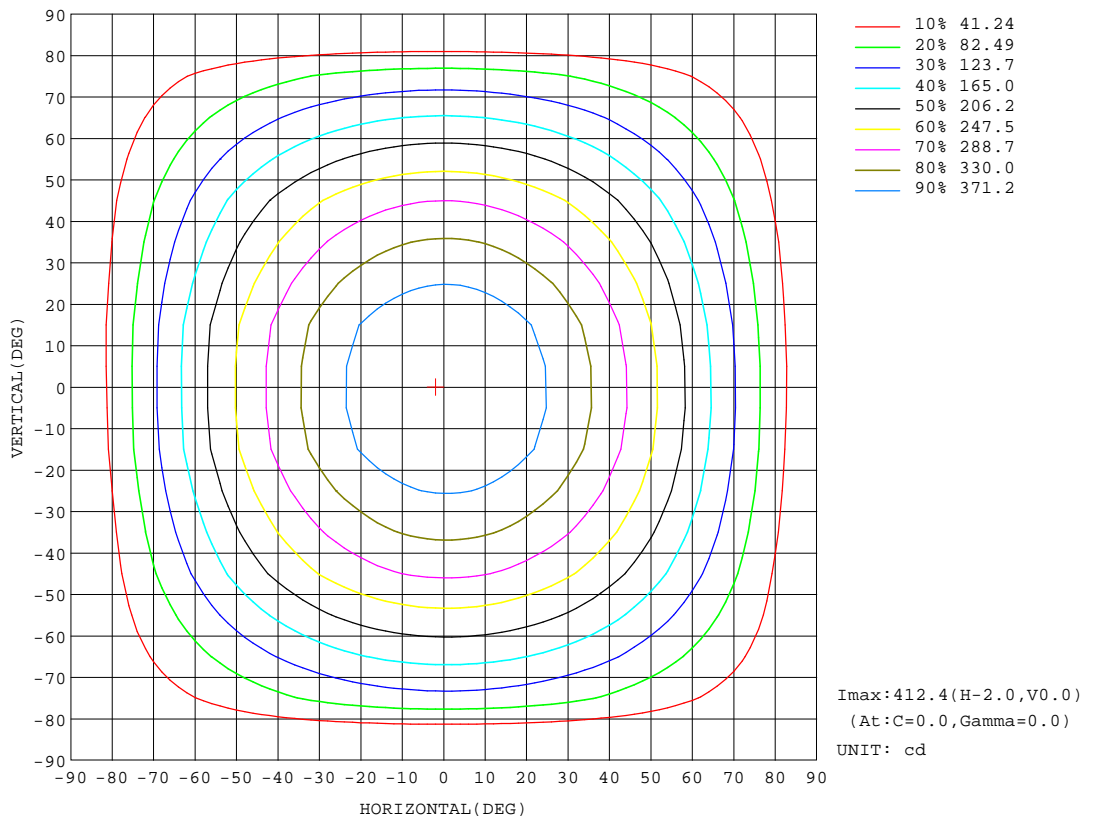
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	56	44	37	55	44	37	54	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	74	63	56	73	62	55	71	64	55	48
1.25	81	71	63	80	70	63	77	68	62	55
1.50	86	76	69	84	75	69	81	74	68	60
2.00	93	85	78	91	83	77	88	81	76	68
2.50	97	89	83	95	88	82	91	85	81	72
3.00	100	94	88	98	92	87	94	89	85	77
4.00	104	99	94	102	97	93	98	94	90	82
5.00	107	102	98	105	100	97	100	97	94	85
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:0.0705A P:14.89W PF:0.9153 Lamp Flux:1250x1 lm		
NAME: YR15W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.: JNC	SUR.:	PROTECTION ANGLE:



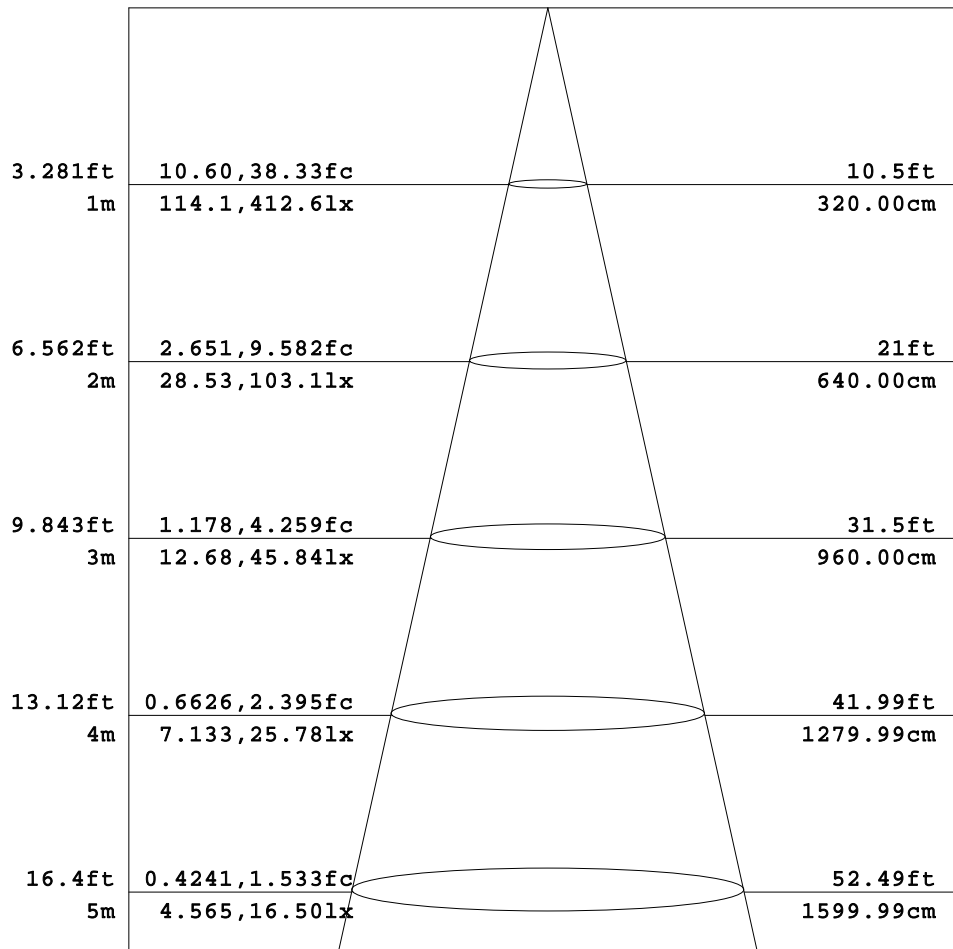
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZZX  
Test Date:2016-07-04

$\gamma$  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:0.0705A P:14.89W PF:0.9153 Lamp Flux:1250x1 lm		
NAME: YYR15W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.: JNC	SUR.:	PROTECTION ANGLE:

Flux out:918.2 lm



Height Eavg, Emax Angle: 115.99deg Diameter

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

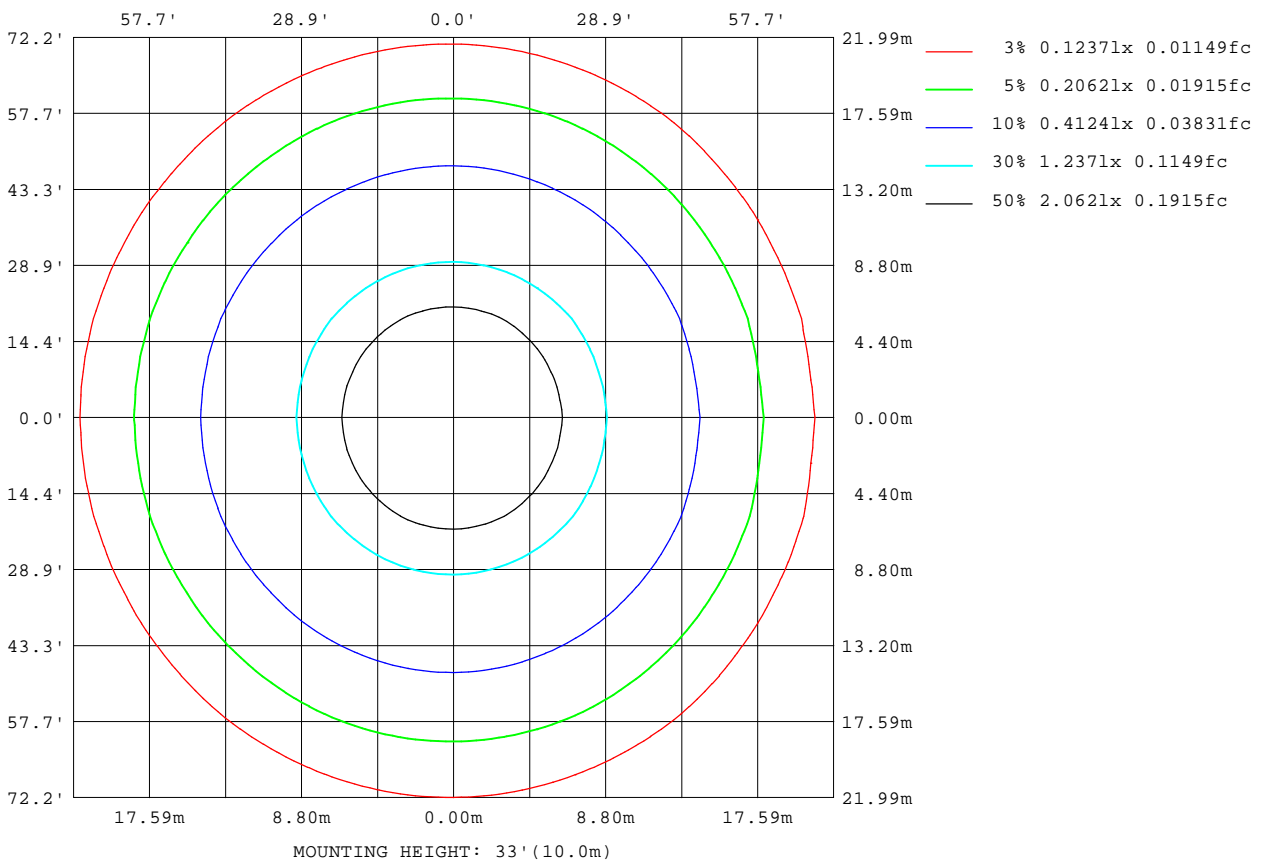
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: ZZXX  
 Test Date: 2016-07-04

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**

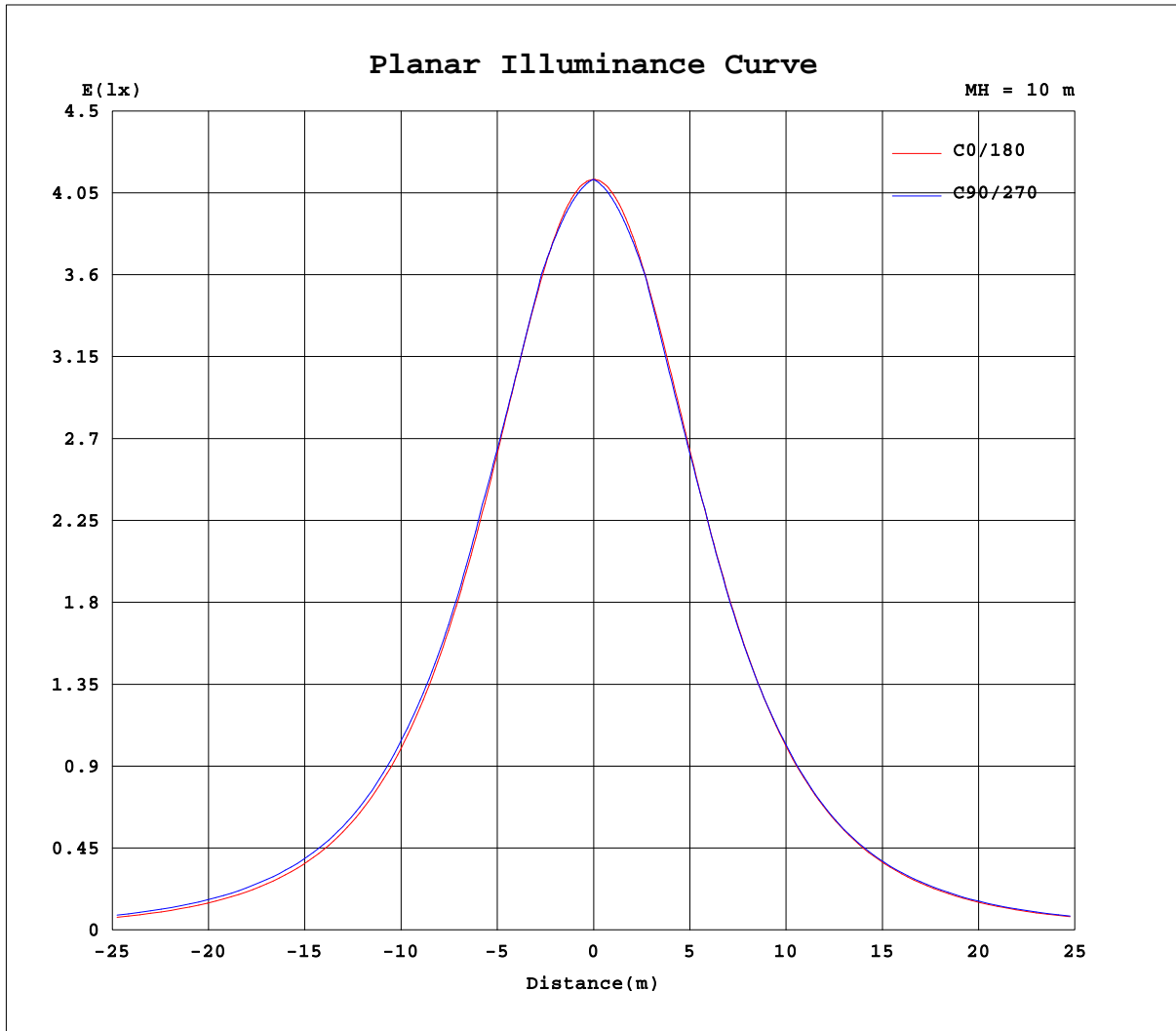
Test:U:230.8V I:0.0705A P:14.89W PF:0.9153 Lamp Flux:1250x1 lm		
NAME: YYR15W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.: JNC	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: 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:

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:0.0705A P:14.89W PF:0.9153 Lamp Flux:1250x1 lm		
NAME: YYR15W3K	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	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413
5	411	411	410	410	410	409	409	409	409	409	409	409	409	409	408	408	408	409	409
10	406	406	405	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404	405
15	398	397	396	396	395	395	395	396	396	396	397	398	398	399	399	400	400	400	401
20	387	385	384	384	384	384	384	385	386	388	388	387	387	387	387	387	387	387	387
25	372	370	369	369	369	370	371	373	372	372	371	372	372	372	373	373	373	373	374
30	354	352	351	351	352	353	354	353	353	353	354	355	356	357	358	359	359	360	360
35	332	330	330	330	332	332	332	332	333	334	336	338	338	338	338	338	338	338	338
40	309	307	306	307	309	308	308	310	312	314	313	313	313	314	315	315	316	316	317
45	283	280	280	282	282	282	284	287	286	286	287	288	289	290	292	293	294	294	295
50	254	252	252	254	254	256	258	257	258	259	261	263	264	264	265	265	266	266	267
55	223	221	223	223	224	227	226	227	229	231	232	233	234	235	236	237	238	238	238
60	191	189	191	191	194	193	195	197	198	199	200	202	204	205	207	208	209	210	210
65	157	156	156	159	159	160	162	163	164	167	170	172	173	174	175	176	177	177	178
70	121	121	122	123	125	126	127	129	132	134	135	137	139	140	142	143	144	145	145
75	86.3	86.1	87.8	89.0	90.0	91.7	93.4	94.8	96.5	98.5	101	103	105	107	109	110	112	113	113
80	53.1	53.1	54.2	55.6	56.9	57.9	59.1	60.6	62.4	55.3	45.7	36.3	27.6	19.7	12.9	7.38	3.33	0.84	0.00
85	17.0	15.2	22.0	25.8	23.8	11.8	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	0.47	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	γ Range: 0 - 90DEG
C Interval: 5.0DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Temperature:25.3DEG	Humidity:65.0%
Operators:ZZX	Test Distance:5.700m [K=1.0000]
Test Date:2016-07-04	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.8V I:0.0705A P:14.89W PF:0.9153 Lamp Flux:1250x1 lm		
NAME: YYR15W3K	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	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413
5	409	409	409	409	409	409	409	409	409	409	409	410	410	410	410	411	411	411	411
10	405	405	405	404	404	404	404	404	404	404	404	404	405	405	405	406	406	407	406
15	401	400	400	400	400	399	399	398	398	397	397	397	397	397	397	398	398	399	398
20	387	387	387	388	388	388	389	389	389	388	387	386	386	386	386	386	387	388	387
25	374	374	373	373	373	373	373	373	374	374	375	374	372	371	371	371	372	374	372
30	360	360	359	358	358	357	356	355	355	355	356	357	357	355	354	353	354	356	354
35	338	338	338	338	338	338	338	337	336	335	334	335	336	336	334	333	333	335	333
40	316	316	316	315	315	314	314	314	315	314	312	311	311	313	311	310	310	312	310
45	295	294	294	293	292	291	289	288	288	288	288	286	285	286	287	284	284	286	284
50	266	266	266	266	266	265	265	263	261	260	259	259	258	257	258	257	256	257	256
55	238	238	237	237	236	235	234	234	234	231	229	228	229	227	227	228	226	227	226
60	210	209	209	207	206	205	203	202	201	200	200	197	196	196	194	196	194	195	195
65	178	177	176	176	174	173	172	170	168	166	165	165	164	161	162	161	161	161	162
70	145	145	144	142	141	139	138	136	135	133	131	129	128	127	126	125	126	127	127
75	113	112	111	110	108	106	104	102	99.5	97.7	96.1	94.8	93.1	91.6	91.3	90.3	90.6	91.4	91.9
80	0.84	3.34	7.43	13.0	19.9	27.9	36.7	46.2	56.0	63.2	61.3	59.9	58.8	57.4	56.4	56.7	55.5	57.0	58.0
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	11.9	24.1	26.1	21.8	16.7	19.1	26.7
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	0.37	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:0.0705A P:14.89W PF:0.9153 Lamp Flux:1250x1 lm		
NAME: YYR15W3K	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	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413
5	410	410	410	410	409	409	409	409	409	408	408	408	408	408	408	408	408	408	408
10	406	405	405	404	404	404	404	404	404	404	404	404	404	404	404	404	404	403	403
15	397	397	396	396	396	396	396	397	397	397	398	398	399	399	399	399	399	399	399
20	386	385	385	385	386	386	387	388	388	387	387	386	386	385	385	385	385	385	385
25	371	371	371	372	373	374	373	372	371	371	371	371	371	371	371	371	371	371	370
30	353	353	354	356	356	355	354	353	353	354	354	355	355	356	356	356	356	356	356
35	333	333	335	335	334	333	333	334	335	336	335	335	334	334	334	334	334	333	333
40	310	311	312	311	310	310	312	312	312	311	311	311	311	311	311	311	311	311	310
45	284	287	285	284	285	287	286	285	285	286	286	287	288	288	288	289	288	288	287
50	257	258	257	257	258	257	258	258	259	261	261	260	260	260	260	260	259	259	259
55	228	227	227	228	227	228	229	231	230	230	230	230	230	230	230	230	230	230	229
60	196	195	196	196	196	199	198	198	198	198	199	199	200	201	201	201	201	200	200
65	162	162	162	163	164	164	164	165	166	167	167	167	168	168	168	168	168	167	167
70	127	127	128	129	129	130	131	131	132	133	133	134	134	135	135	135	135	134	134
75	92.3	93.3	93.4	94.2	95.2	95.9	96.6	97.4	98.2	99.0	99.7	100	101	101	102	102	102	101	100
80	59.5	59.3	60.1	61.3	62.0	62.7	63.5	55.1	44.6	34.9	26.1	18.4	11.9	6.76	3.03	0.76	0.00	0.75	2.99
85	28.2	29.4	27.1	13.1	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:0.0705A P:14.89W PF:0.9153 Lamp Flux:1250x1 lm		
NAME: YYR15W3K	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	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413				
5	408	408	408	408	408	408	408	409	409	409	409	410	410	410	411				
10	403	403	403	403	403	403	403	403	403	403	403	404	404	405	406				
15	398	398	397	397	396	396	395	395	395	394	394	395	395	396	397				
20	385	385	385	385	385	386	386	385	384	383	383	383	383	384	385				
25	370	370	369	369	369	369	369	370	371	369	368	368	368	368	370				
30	355	354	353	352	351	351	350	350	351	352	351	350	349	350	351				
35	333	333	333	333	334	332	331	330	329	329	330	330	329	329	330				
40	310	309	309	308	308	308	309	308	306	305	305	307	306	305	306				
45	286	285	284	283	282	281	281	282	283	280	279	279	281	279	280				
50	258	257	257	257	256	254	253	252	252	254	252	251	251	251	251				
55	228	228	227	226	225	225	225	223	222	222	223	221	220	221	220				
60	199	198	196	195	194	193	192	191	191	189	189	190	188	188	188				
65	166	165	164	163	163	161	159	157	157	156	155	155	156	154	154				
70	133	132	131	130	128	127	125	124	123	121	121	120	119	119	120				
75	99.4	98.3	97.2	95.9	94.6	93.3	91.7	90.4	89.2	88.1	86.8	85.7	85.2	84.8	84.5				
80	6.62	11.6	17.7	24.9	32.9	41.7	50.8	57.7	56.5	55.4	54.2	53.3	52.2	51.3	51.6				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.8	21.3	23.0	22.1	19.5				
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: