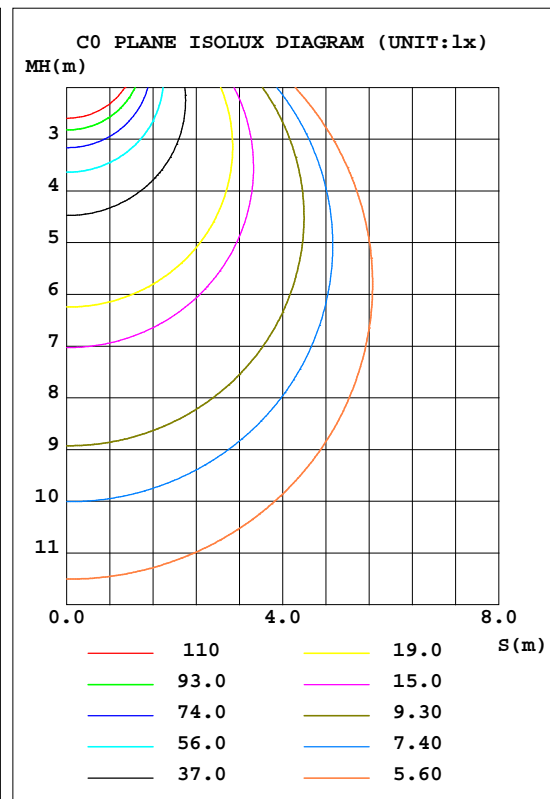
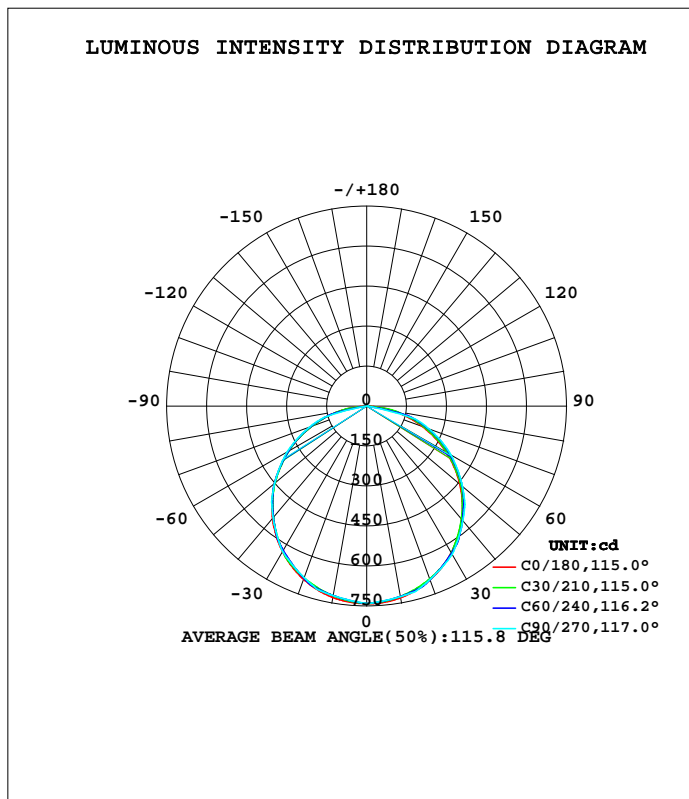


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.8V I:0.1132A P:23.46W PF:0.8980 Lamp Flux:2050x1 lm		
NAME: YZR24W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	YYR24W3K	I <sub>max</sub> (cd)	741.1	S/MH(C0/180)	1.27
NOMINAL POWER(W)	24	LOR(%)	105.7	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2167.6	η UP, DN(C0-180)	0.0, 53.6
NOMINAL FLUX(lm)	2050	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 52.2
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.8	η down(%)	105.7	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	738.8	734.6	733.4	734.1	737.9	732.8	731.5	733.2	0- 5	17.62	17.62	0.81,0.86
10	730.3	724.9	725.9	724.3	729.1	721.6	722.1	722.2	5- 10	52.17	69.78	3.22,3.4
15	715.4	711.8	718.4	711.4	713.6	707.5	712.7	707.7	10- 15	85.16	154.9	7.15,7.56
20	694.4	695.8	693.1	696.1	691.9	690.5	685.4	690.6	15- 20	115.5	270.5	12.5,13.2
25	667.4	666.7	667.7	666.1	664.4	659.6	658.1	659.9	20- 25	141.8	412.3	19,20.1
30	635.0	633.4	642.3	632.3	631.7	624.6	630.8	625.3	25- 30	163.7	576.0	26.6,28.1
35	596.6	598.6	601.9	596.4	593.0	587.6	588.7	589.2	30- 35	180.5	756.4	34.9,36.9
40	554.2	561.0	561.5	557.8	550.1	547.6	546.7	550.4	35- 40	191.0	947.5	43.7,46.2
45	507.4	511.8	521.0	509.1	502.5	498.2	504.6	500.0	40- 45	195.8	1143	52.7,55.8
50	456.2	462.0	469.0	459.9	451.2	448.0	451.2	449.0	45- 50	194.4	1338	61.7,65.3
55	401.4	411.8	417.0	410.5	396.9	397.8	397.8	397.8	50- 55	186.5	1524	70.3,74.4
60	343.5	353.5	365.0	351.2	339.5	337.7	344.4	338.3	55- 60	173.0	1697	78.3,82.8
65	282.9	296.6	306.3	292.7	279.3	278.3	284.8	280.1	60- 65	154.1	1851	85.4,90.3
70	220.7	237.6	247.5	233.0	217.4	218.3	225.2	220.3	65- 70	130.2	1981	91.4,96.7
75	158.0	176.3	188.8	172.2	155.4	157.7	165.7	158.8	70- 75	102.8	2084	96.2,102
80	96.94	99.90	0	97.00	96.14	85.50	0	85.64	75- 80	64.11	2148	99.1,105
85	34.51	0	0	0	31.82	0	0	0	80- 85	17.73	2166	99.9,106
90	0.7718	0	0	0	0.6298	0	0	0	85- 90	1.588	2168	100,106
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			

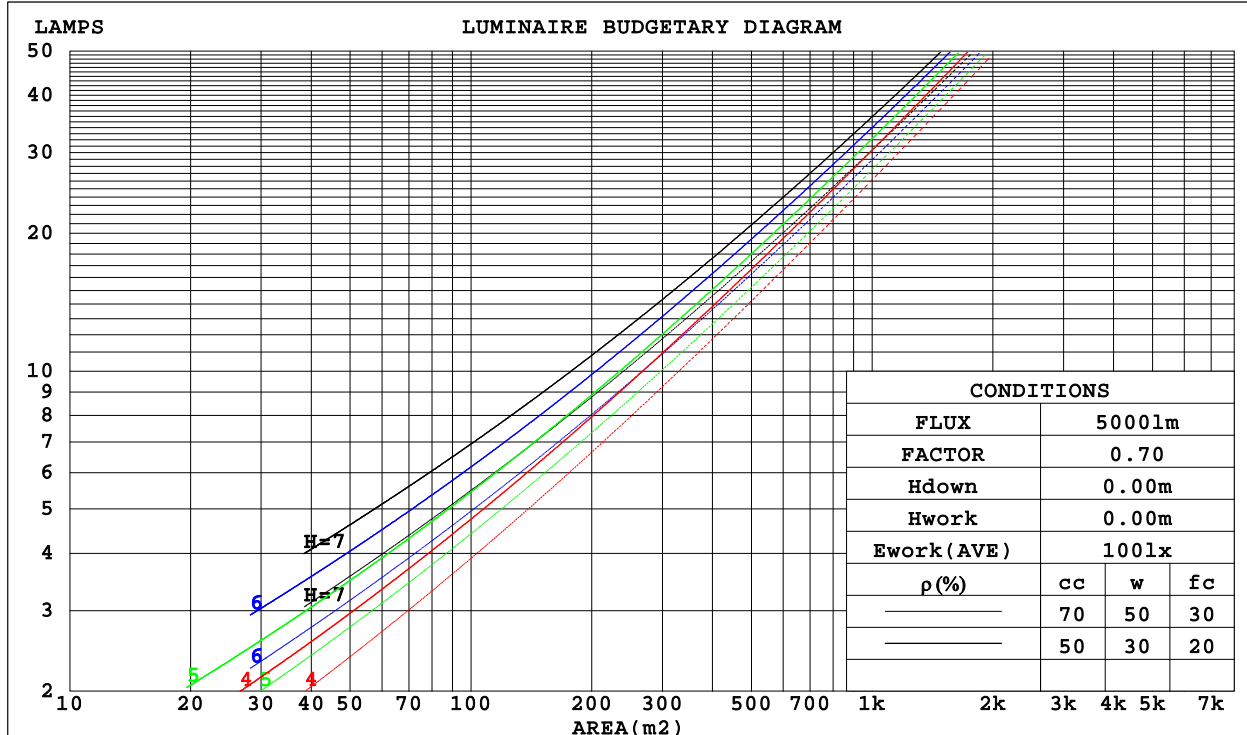
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZZX  
 Test Date:2016-07-04

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:0.1132A P:23.46W PF:0.8980 Lamp Flux:2050x1 lm		
NAME: YZR24W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.:	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	1.26	1.26	1.26	1.23	1.23	1.23	1.17	1.17	1.17	1.12	1.12	1.12	1.08	1.08	1.08	1.06
1.0	1.10	1.06	1.02	1.08	1.04	.00	1.03	.00	.97	.99	.96	.94	.95	.93	.91	.89
2.0	.96	.88	.82	.94	.87	.81	.90	.84	.79	.86	.82	.78	.83	.79	.76	.73
3.0	.84	.75	.68	.82	.74	.67	.79	.72	.66	.76	.70	.65	.73	.68	.64	.62
4.0	.74	.65	.57	.73	.64	.57	.70	.62	.56	.67	.61	.55	.65	.59	.55	.52
5.0	.66	.56	.49	.65	.56	.49	.62	.54	.48	.60	.53	.48	.58	.52	.47	.45
6.0	.59	.50	.43	.58	.49	.43	.56	.48	.42	.55	.47	.42	.53	.46	.41	.39
7.0	.54	.44	.38	.53	.44	.38	.51	.43	.37	.50	.42	.37	.48	.42	.37	.35
8.0	.49	.40	.34	.48	.40	.33	.47	.39	.33	.45	.38	.33	.44	.38	.33	.31
9.0	.45	.36	.30	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.28
10.0	.41	.33	.27	.41	.33	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.25



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:0.1132A P:23.46W PF:0.8980 Lamp Flux:2050x1 lm		
NAME: YZR24W3K	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	.323	.184	.058	.316	.180	.057	.302	.173	.055	.289	.167	.053	.277	.161	.052	
2.0	.309	.169	.052	.302	.166	.051	.290	.161	.050	.278	.156	.049	.268	.151	.048	
3.0	.287	.153	.046	.281	.151	.045	.270	.146	.044	.260	.142	.044	.251	.139	.043	
4.0	.265	.138	.041	.260	.136	.040	.250	.133	.040	.241	.130	.039	.233	.126	.039	
5.0	.245	.125	.036	.241	.123	.036	.232	.121	.036	.224	.118	.035	.216	.116	.035	
6.0	.227	.114	.033	.223	.113	.032	.216	.110	.032	.208	.108	.032	.202	.106	.032	
7.0	.211	.105	.030	.208	.104	.030	.201	.102	.029	.195	.100	.029	.189	.098	.029	
8.0	.197	.096	.027	.194	.096	.027	.188	.094	.027	.182	.092	.027	.177	.091	.026	
9.0	.185	.089	.025	.182	.089	.025	.177	.087	.025	.171	.086	.025	.166	.085	.024	
10.0	.174	.083	.023	.171	.083	.023	.166	.081	.023	.162	.080	.023	.157	.079	.023	

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	.201	.201	.201	.172	.172	.172	.117	.117	.117	.067	.067	.067	.022	.022	.022	
1.0	.190	.165	.142	.163	.142	.123	.111	.098	.085	.064	.056	.049	.021	.018	.016	
2.0	.182	.139	.104	.156	.120	.090	.107	.083	.062	.062	.048	.037	.020	.016	.012	
3.0	.174	.121	.078	.149	.104	.068	.103	.072	.048	.059	.042	.028	.019	.014	.009	
4.0	.166	.107	.061	.143	.092	.053	.098	.064	.038	.057	.038	.022	.018	.012	.007	
5.0	.158	.096	.050	.136	.083	.043	.094	.058	.030	.054	.034	.018	.017	.011	.006	
6.0	.151	.087	.041	.130	.075	.036	.089	.053	.025	.052	.031	.015	.017	.010	.005	
7.0	.144	.080	.035	.124	.069	.030	.085	.048	.022	.050	.029	.013	.016	.009	.004	
8.0	.137	.074	.030	.118	.064	.026	.081	.045	.019	.047	.026	.011	.015	.009	.004	
9.0	.130	.068	.027	.112	.059	.023	.078	.042	.016	.045	.025	.010	.015	.008	.003	
10.0	.124	.064	.024	.107	.055	.021	.074	.039	.015	.043	.023	.009	.014	.008	.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:0.1132A P:23.46W PF:0.8980 Lamp Flux:2050x1 lm										
NAME: YYR24W3K					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	19.7	21.3	20.0	21.5	21.7	20.0	21.5	20.3	21.7	22.0
3H	21.3	22.8	21.6	23.0	23.2	21.8	23.2	22.1	23.4	23.7
4H	22.0	23.4	22.3	23.6	23.9	22.6	23.9	22.9	24.2	24.4
6H	22.5	23.8	22.8	24.0	24.3	22.7	24.0	23.0	24.2	24.5
8H	22.6	23.8	23.0	24.1	24.4	22.6	23.9	23.0	24.1	24.4
12H	22.7	23.8	23.0	24.1	24.4	22.6	23.8	22.9	24.0	24.4
4H 2H	20.4	21.8	20.8	22.0	22.3	20.7	22.0	21.0	22.3	22.5
3H	22.3	23.4	22.6	23.7	24.0	22.6	23.8	23.0	24.1	24.4
4H	23.1	24.1	23.4	24.5	24.8	23.6	24.6	23.9	25.0	25.3
6H	23.7	24.6	24.1	25.0	25.3	23.7	24.7	24.1	25.0	25.4
8H	23.9	24.7	24.3	25.1	25.5	23.7	24.6	24.1	24.9	25.3
12H	23.9	24.8	24.4	25.1	25.5	23.6	24.4	24.1	24.8	25.2
8H 4H	23.4	24.3	23.8	24.7	25.1	23.9	24.8	24.3	25.1	25.5
6H	24.2	25.0	24.7	25.4	25.8	24.1	24.8	24.5	25.2	25.7
8H	24.5	25.2	25.0	25.6	26.1	24.1	24.7	24.5	25.1	25.6
12H	24.7	25.3	25.2	25.7	26.2	24.0	24.6	24.5	25.0	25.5
12H 4H	23.4	24.2	23.8	24.6	25.0	23.9	24.7	24.3	25.1	25.5
6H	24.2	24.9	24.7	25.3	25.8	24.1	24.8	24.6	25.2	25.7
8H	24.6	25.1	25.0	25.6	26.0	24.1	24.7	24.6	25.1	25.6
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 2050 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.5)

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:0.1132A P:23.46W PF:0.8980 Lamp Flux:2050x1 lm		
NAME: YYR24W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

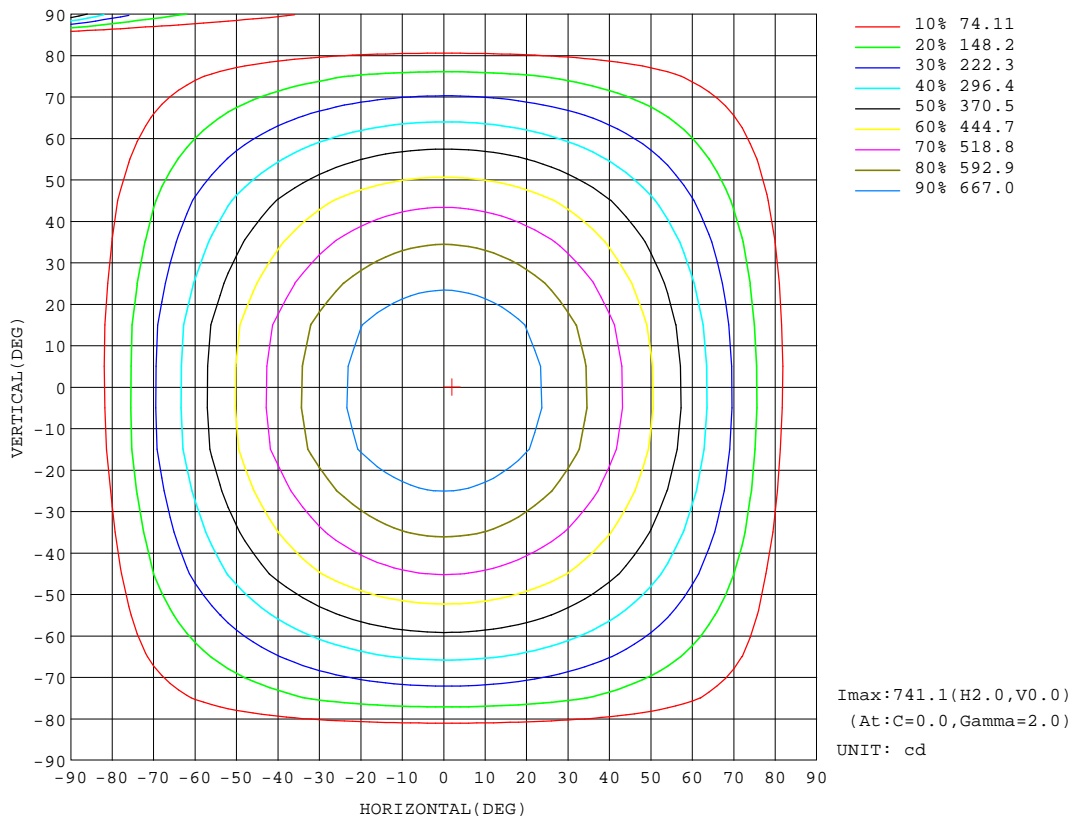
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	60	48	40	60	48	40	58	47	40	33
0.80	71	59	51	70	58	51	68	57	50	43
1.00	80	68	60	79	67	60	76	69	59	52
1.25	87	76	69	86	76	68	83	74	67	60
1.50	93	82	75	91	81	74	88	79	73	65
2.00	100	91	84	98	90	83	95	88	82	74
2.50	104	96	90	102	95	89	98	92	87	78
3.00	108	101	95	106	99	94	102	96	92	83
4.00	112	106	102	110	105	100	105	101	97	88
5.00	115	110	106	113	108	104	108	104	101	91
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:0.1132A P:23.46W PF:0.8980 Lamp Flux:2050x1 lm		
NAME: YZR24W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:



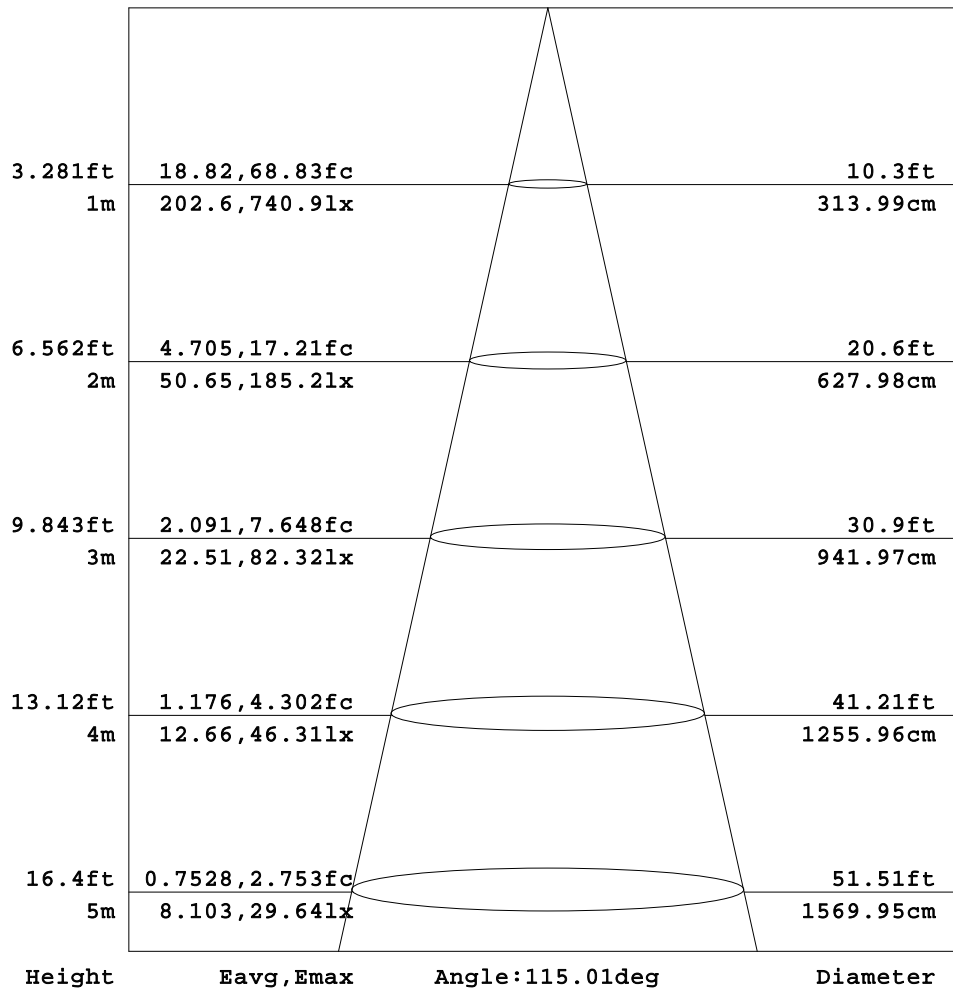
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZZX  
 Test Date:2016-07-04

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:

**AAI Figure**

Test:U:230.8V I:0.1132A P:23.46W PF:0.8980 Lamp Flux:2050x1 lm		
NAME: YZR24W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Flux out:1630 lm



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

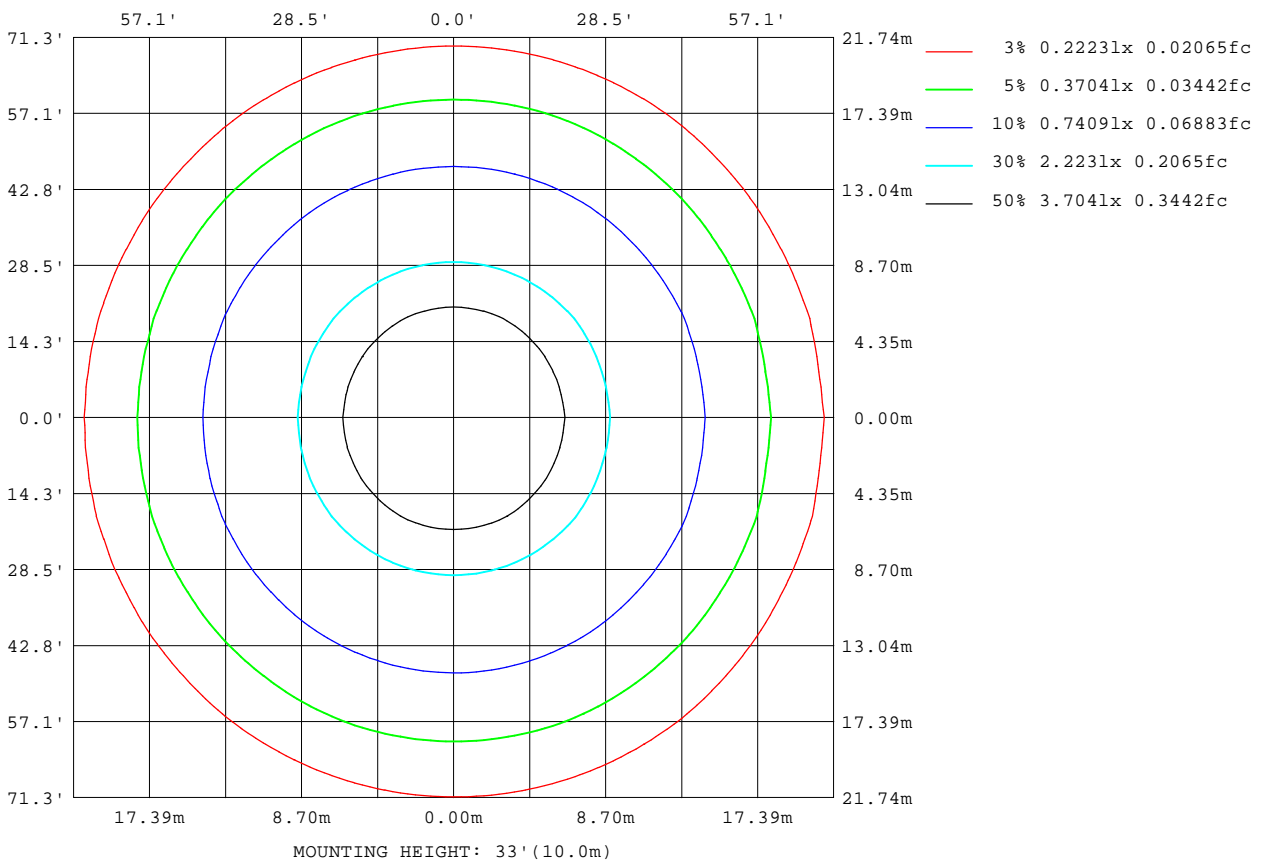
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: ZZK  
 Test Date: 2016-07-04

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**

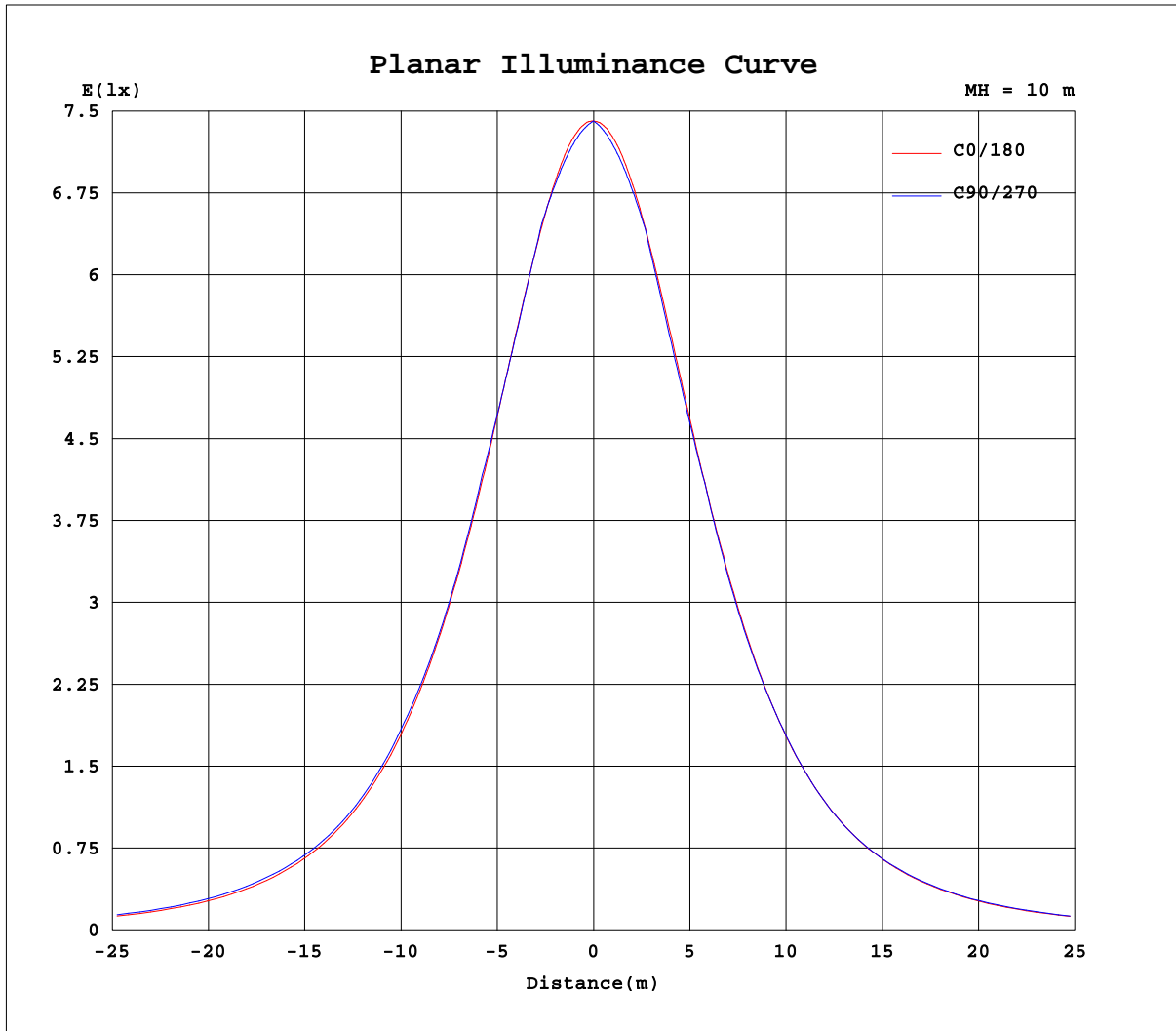
Test:U:230.8V I:0.1132A P:23.46W PF:0.8980 Lamp Flux:2050x1 lm		
NAME: YZR24W3K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:



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

$\gamma$  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:0.1132A P:23.46W PF:0.8980 Lamp Flux:2050x1 lm		
NAME: YZR24W3K	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	741	741	741	741	741	741	741	741	741	741	741	741	741	741	741	741	741	741	741
5	733	733	733	734	734	734	734	734	734	734	735	735	735	736	736	737	737	738	737
10	726	726	726	725	725	725	725	724	724	724	724	725	725	725	726	727	728	729	728
15	718	718	717	717	716	715	714	712	711	711	710	709	709	709	710	711	712	714	711
20	693	693	693	693	694	694	695	696	696	694	691	690	688	688	688	688	690	692	689
25	668	667	667	666	666	665	665	666	666	667	669	666	663	661	661	661	662	664	661
30	642	641	640	639	637	635	634	633	632	632	633	635	634	631	628	628	629	632	628
35	602	601	601	601	601	601	602	599	596	595	594	595	597	596	592	590	590	593	589
40	561	560	560	559	558	557	557	557	558	556	553	551	552	554	551	548	547	550	546
45	520	519	518	517	515	513	511	510	509	509	510	506	504	505	507	502	500	502	499
50	469	468	468	467	467	467	466	463	460	458	457	458	454	453	455	453	449	451	448
55	417	416	415	414	413	412	411	410	410	407	403	401	402	399	399	401	395	397	394
60	365	364	362	360	358	357	354	353	351	350	351	346	343	343	341	342	339	339	337
65	306	305	304	303	301	300	298	296	293	290	289	288	286	282	282	281	280	279	278
70	247	246	245	244	242	240	238	235	233	231	228	226	224	224	220	218	220	217	218
75	188	187	186	185	183	180	178	175	172	170	167	165	163	161	160	157	157	155	156
80	1.40	5.58	12.4	21.8	33.5	47.3	62.8	79.1	97.0	111	108	106	104	101	98.7	94.7	92.1	96.1	95.2
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	21.6	43.2	42.9	34.8	28.4	31.8	39.7
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	0.63	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:0.1132A P:23.46W PF:0.8980 Lamp Flux:2050x1 lm		
NAME: YYR24W3K	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	741	741	741	741	741	741	741	741	741	741	741	741	741	741	741	741	741	741	741	
5	736	736	735	734	734	734	733	733	732	732	732	732	732	732	731	731	731	731	732	732
10	726	725	724	723	723	722	722	722	722	722	722	722	722	722	722	722	722	722	722	722
15	710	708	707	707	706	707	707	708	708	709	710	711	711	712	712	712	713	712	712	712
20	687	686	685	685	686	687	689	691	690	689	688	687	686	686	685	685	685	685	685	685
25	659	658	658	659	661	664	662	660	658	658	657	657	657	657	658	658	658	658	658	658
30	626	626	627	630	630	627	625	625	624	625	626	627	628	629	630	630	631	631	631	630
35	588	588	591	591	588	587	587	588	589	591	590	589	589	589	589	589	589	589	589	589
40	545	547	549	546	544	544	547	548	546	545	545	545	545	546	546	546	547	547	547	547
45	499	503	500	497	498	501	499	498	498	499	500	501	502	503	504	504	505	504	504	504
50	450	451	447	447	449	447	447	448	450	452	452	451	451	451	451	451	451	451	451	451
55	398	394	393	395	393	393	395	398	397	396	396	396	396	397	397	398	398	398	398	398
60	339	336	337	336	337	340	338	338	338	338	339	340	341	342	343	344	344	344	344	344
65	277	277	276	278	279	278	277	278	280	281	282	282	283	284	284	284	285	285	285	285
70	215	215	217	216	216	216	218	218	219	220	221	222	223	224	224	225	225	225	225	225
75	153	155	155	154	155	156	157	158	159	159	160	163	163	164	165	165	166	165	165	165
80	95.8	95.1	95.8	96.4	97.0	97.6	98.1	85.5	69.6	54.8	41.2	29.5	19.2	10.9	4.90	1.23	0.00	1.23	4.91	0.00
85	39.4	41.1	39.1	19.4	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	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	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:0.1132A P:23.46W PF:0.8980 Lamp Flux:2050x1 lm		
NAME: YZR24W3K	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	741	741	741	741	741	741	741	741	741	741	741	741	741	741	741				
5	732	732	732	732	733	733	733	734	734	735	735	736	736	737	738				
10	722	722	722	722	722	722	722	722	723	723	724	725	726	727	729				
15	712	711	711	710	709	708	708	707	707	707	708	708	709	711	713				
20	686	686	687	688	689	690	691	689	687	686	686	686	687	689	691				
25	658	658	658	658	658	659	660	661	664	661	660	659	659	661	663				
30	630	629	628	627	626	626	625	626	627	629	629	627	627	628	630				
35	589	590	591	592	593	591	589	588	588	589	591	591	589	589	592				
40	546	546	546	546	547	548	550	549	547	546	546	549	548	547	549				
45	503	502	501	500	500	499	500	501	504	501	499	500	503	500	502				
50	451	451	452	452	452	450	449	449	450	453	451	449	450	450	451				
55	397	397	397	396	397	397	398	396	394	395	398	396	395	397	396				
60	344	343	342	341	340	339	338	339	340	337	338	341	337	338	338				
65	284	284	284	283	283	282	280	279	278	279	278	278	280	277	278				
70	224	224	223	222	221	221	220	220	218	217	216	216	216	216	216				
75	164	164	163	162	161	160	159	158	157	157	155	154	154	155	154				
80	10.9	19.2	29.5	41.5	55.1	70.0	85.6	98.0	97.3	96.6	95.4	95.1	94.4	94.3	94.8				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.6	37.0	38.9	38.4	36.3				
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: