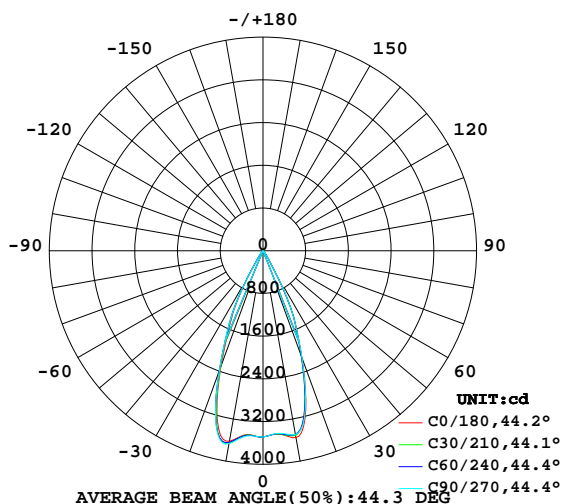


## LUMINAIRE PHOTOMETRIC TEST REPORT

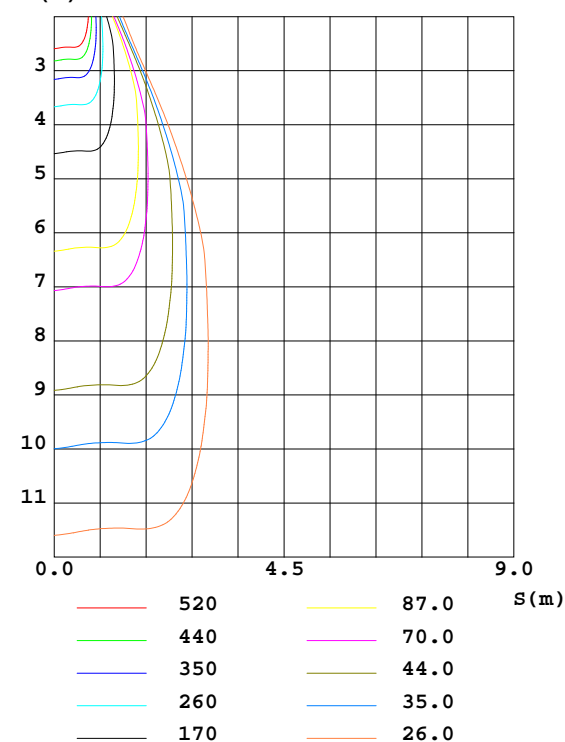
Test:U:226.6V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2044.5x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 74.62 lm/W			
MODEL	TL18-30W-930-W-45	Imax(cd)	3696	S/MH(C0/180)	0.69
NOMINAL POWER(W)	28	LOR(%)	100.0	S/MH(C90/270)	0.69
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	2044.5	$\eta$ UP,DN(C0-180)	1.3,47.4
NOMINAL FLUX(lm)	2044.5	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	1.4,50.0
LAMPS INSIDE	1	$\eta$ up(%)	2.6	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	226.6	$\eta$ down(%)	97.4	CIBSE SHR MAX	0.70

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZhangXiao  
 Test Date:2016-08-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity:65.0%  
 Test Distance:6.590m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	3552	3499	3492	3544	3623	3653	3668	3642	0- 10	334.8	334.8	16.4,16.4
20	2141	2136	2130	2230	2306	2340	2399	2246	10- 20	858.5	1193	58.4,58.4
30	478.4	467.7	446.5	527.3	563.7	577.1	560.2	485.6	20- 30	612.1	1805	88.3,88.3
40	72.54	67.46	61.49	64.19	63.52	66.78	67.52	67.32	30- 40	110.2	1916	93.7,93.7
50	25.22	24.58	24.30	25.32	24.91	25.17	25.41	24.71	40- 50	30.57	1946	95.2,95.2
60	14.76	14.64	14.83	15.49	15.02	15.08	15.01	14.59	50- 60	17.21	1963	96,96
70	10.21	10.19	10.30	10.63	10.25	10.25	10.24	10.05	60- 70	12.33	1976	96.6,96.6
80	6.604	6.572	6.570	6.849	7.041	7.016	7.014	6.964	70- 80	8.978	1985	97.1,97.1
90	3.832	3.804	3.801	4.227	4.732	4.709	4.739	4.872	80- 90	5.963	1991	97.4,97.4
100	3.668	3.673	3.676	3.853	4.886	4.861	4.872	4.969	90-100	4.676	1995	97.6,97.6
110	4.169	4.186	4.219	4.163	5.420	5.421	5.399	5.438	100-110	4.708	2000	97.8,97.8
120	6.296	6.306	6.394	6.239	7.028	7.030	6.987	7.098	110-120	5.563	2006	98.1,98.1
130	9.520	9.554	9.640	9.445	9.801	9.772	9.715	9.886	120-130	7.260	2013	98.5,98.5
140	12.83	12.89	12.92	12.77	12.98	12.93	12.88	13.05	130-140	8.703	2022	98.9,98.9
150	15.71	15.75	15.77	15.69	15.84	15.78	15.77	15.89	140-150	9.022	2031	99.3,99.3
160	16.74	16.76	16.78	16.79	16.96	16.93	16.95	16.97	150-160	7.627	2038	99.7,99.7
170	16.28	16.28	16.33	16.39	16.53	16.56	16.58	16.57	160-170	4.731	2043	99.9,99.9
180	16.82	16.87	16.89	16.92	16.84	16.86	16.89	16.92	170-180	1.578	2044	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

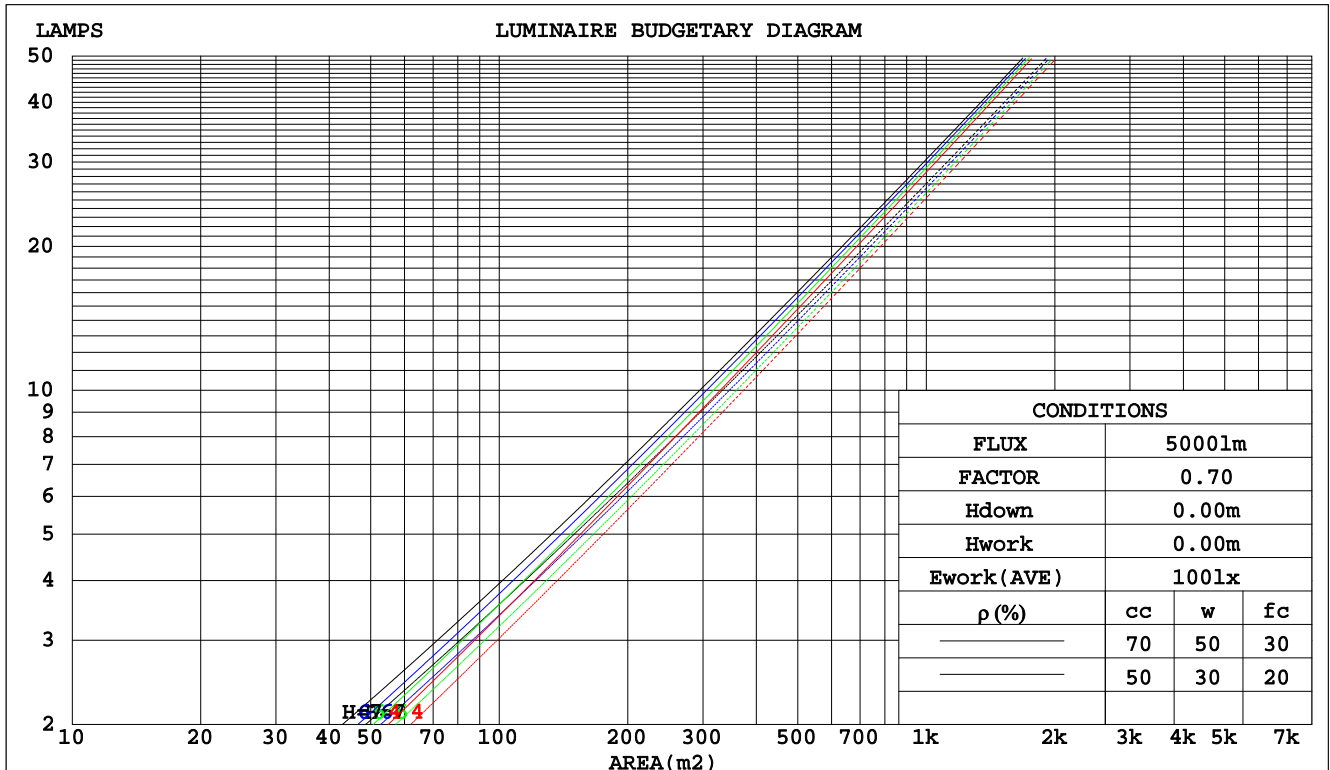
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.590m [K=1.0000]  
Remarks:

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:226.6V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2044.5x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	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															



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2016-08-16

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 6.590m [K=1.0000]  
Remarks:

**WEC AND CCEC**

Test:U:226.6V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2044.5x1 lm								
NAME:			TYPE:			WEIGHT:		
DIM.:			SPEC.:			SERIAL No.:		
MFR.: Rayconn			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	.165	.094	.030	.158	.090	.029	.144	.082	.026	.131	.075	.024	.119	.069	.022	
2.0	.154	.084	.026	.148	.081	.025	.136	.076	.023	.125	.070	.022	.115	.065	.020	
3.0	.144	.077	.023	.139	.074	.022	.129	.070	.021	.119	.065	.020	.111	.061	.019	
4.0	.136	.071	.021	.131	.069	.020	.123	.065	.019	.114	.061	.019	.107	.058	.018	
5.0	.129	.066	.019	.125	.064	.019	.117	.061	.018	.110	.058	.017	.103	.055	.017	
6.0	.122	.061	.018	.119	.060	.017	.112	.057	.017	.106	.055	.016	.100	.053	.016	
7.0	.116	.058	.016	.113	.056	.016	.107	.054	.016	.102	.052	.015	.096	.050	.015	
8.0	.111	.054	.015	.108	.053	.015	.103	.052	.015	.098	.050	.014	.093	.048	.014	
9.0	.107	.052	.014	.104	.051	.014	.099	.049	.014	.095	.047	.014	.090	.046	.013	
10.0	.102	.049	.014	.100	.048	.013	.096	.047	.013	.091	.045	.013	.088	.044	.013	

pcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.211	.211	.211	.180	.180	.180	.123	.123	.123	.071	.071	.071	.023	.023	.023	
1.0	.191	.178	.166	.163	.152	.143	.112	.105	.099	.064	.061	.057	.021	.020	.019	
2.0	.174	.153	.135	.149	.132	.117	.102	.091	.081	.059	.053	.048	.019	.017	.016	
3.0	.161	.134	.113	.138	.116	.098	.095	.080	.068	.055	.047	.040	.018	.015	.013	
4.0	.150	.119	.096	.128	.103	.083	.088	.072	.059	.051	.042	.035	.016	.014	.011	
5.0	.140	.107	.083	.120	.093	.072	.083	.065	.051	.048	.038	.030	.015	.012	.010	
6.0	.132	.098	.073	.113	.085	.064	.078	.059	.045	.045	.035	.027	.015	.011	.009	
7.0	.125	.090	.065	.108	.078	.057	.074	.055	.040	.043	.032	.024	.014	.011	.008	
8.0	.119	.083	.059	.102	.072	.051	.071	.051	.036	.041	.030	.022	.013	.010	.007	
9.0	.114	.078	.054	.098	.068	.047	.068	.048	.033	.040	.028	.020	.013	.009	.007	
10.0	.109	.074	.050	.094	.064	.044	.065	.045	.031	.038	.027	.018	.012	.009	.006	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-16

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.590m [K=1.0000]  
Remarks:

### Uncorrected UGR Table

Test:U:226.6V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2044.5x1 lm											
NAME:					TYPE:			WEIGHT:			
DIM.:					SPEC.:			SERIAL No.:			
MFR.: Rayconn					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	10.5	11.3	10.8	11.5	11.7	10.0	10.8	10.3	11.0	11.2	
	3H	11.1	11.8	11.4	12.0	12.3	10.7	11.4	11.0	11.6	11.9
	4H	11.5	12.2	11.8	12.4	12.7	11.1	11.8	11.4	12.1	12.3
	6H	11.9	12.6	12.3	12.9	13.1	11.6	12.3	11.9	12.5	12.8
	8H	12.2	12.8	12.5	13.1	13.4	11.9	12.5	12.2	12.8	13.1
	12H	12.5	13.1	12.9	13.4	13.7	12.2	12.8	12.6	13.2	13.5
4H	2H	10.6	11.3	10.9	11.5	11.8	10.1	10.8	10.4	11.1	11.4
	3H	11.4	12.0	11.7	12.3	12.6	11.0	11.6	11.4	11.9	12.3
	4H	11.9	12.5	12.3	12.8	13.2	11.6	12.2	12.0	12.5	12.9
	6H	12.6	13.1	13.0	13.5	13.9	12.4	12.8	12.8	13.2	13.6
	8H	13.0	13.4	13.4	13.8	14.3	12.8	13.2	13.2	13.6	14.0
	12H	13.4	13.9	13.9	14.3	14.7	13.2	13.7	13.7	14.1	14.5
8H	4H	12.1	12.6	12.6	13.0	13.4	11.9	12.3	12.3	12.7	13.1
	6H	13.0	13.4	13.5	13.8	14.3	12.8	13.2	13.3	13.6	14.1
	8H	13.5	13.9	14.0	14.3	14.8	13.4	13.7	13.9	14.2	14.7
	12H	14.2	14.5	14.7	15.0	15.5	14.0	14.3	14.5	14.8	15.3
12H	4H	12.1	12.6	12.6	13.0	13.4	11.9	12.3	12.3	12.7	13.2
	6H	13.1	13.4	13.6	13.9	14.4	12.9	13.2	13.4	13.7	14.2
	8H	13.7	14.0	14.2	14.5	15.0	13.5	13.8	14.1	14.3	14.8
Variations with the observer position at spacings:											
S = 1.0H	+ 0.8 / - 0.7					+ 0.6 / - 0.6					
1.5H	+ 1.7 / - 0.6					+ 1.3 / - 0.5					
2.0H	+ 0.5 / - 0.3					+ 0.4 / - 0.2					

CIE Pub.117 Corrected 2044 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.5)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-16

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.590m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:226.6V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2044.5x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

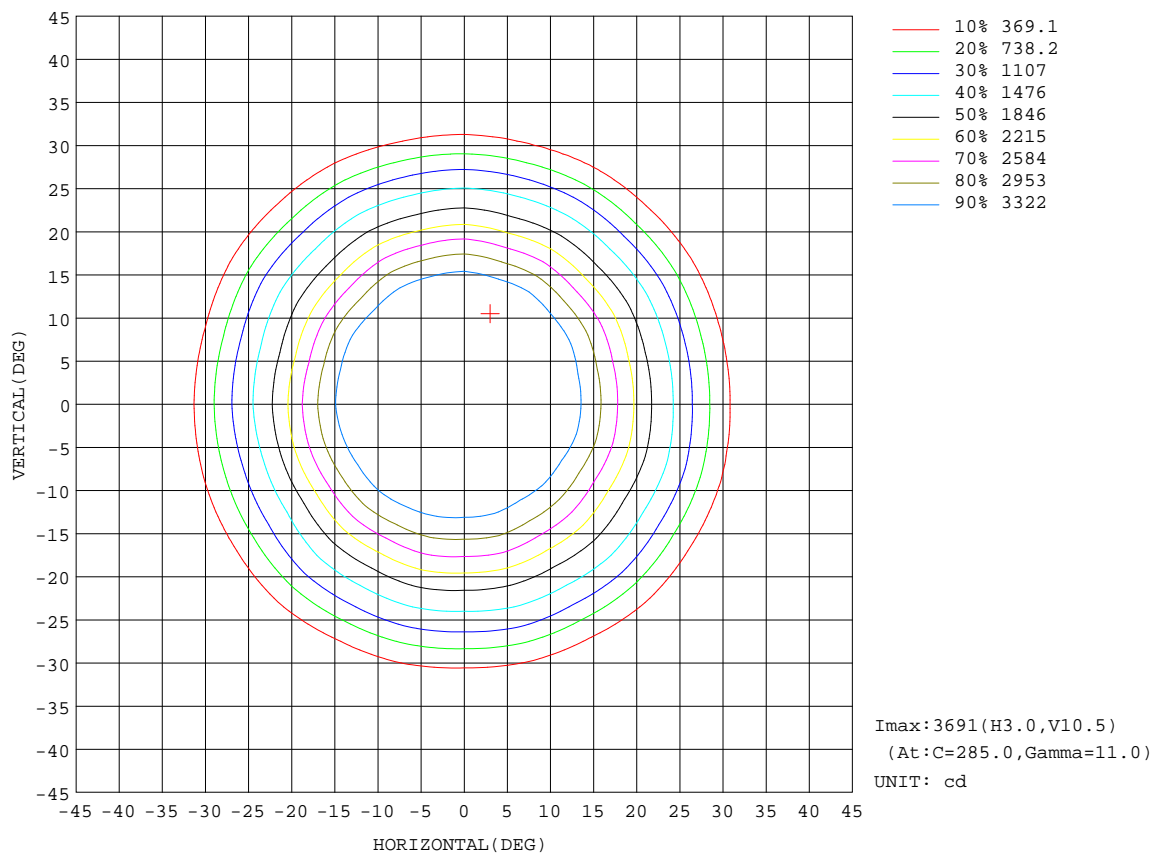
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	87	81	78	86	81	78	74
0.80	95	89	86	94	89	85	93	88	85	81
1.00	99	93	90	98	93	89	96	92	89	85
1.25	103	98	94	101	97	94	99	95	93	88
1.50	105	101	97	104	100	97	101	98	95	91
2.00	108	104	100	106	102	99	103	100	98	92
2.50	109	106	103	108	104	102	104	102	99	93
3.00	111	108	105	109	106	104	105	103	101	94
4.00	113	110	108	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	106	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.590m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

Test:U:226.6V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2044.5x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

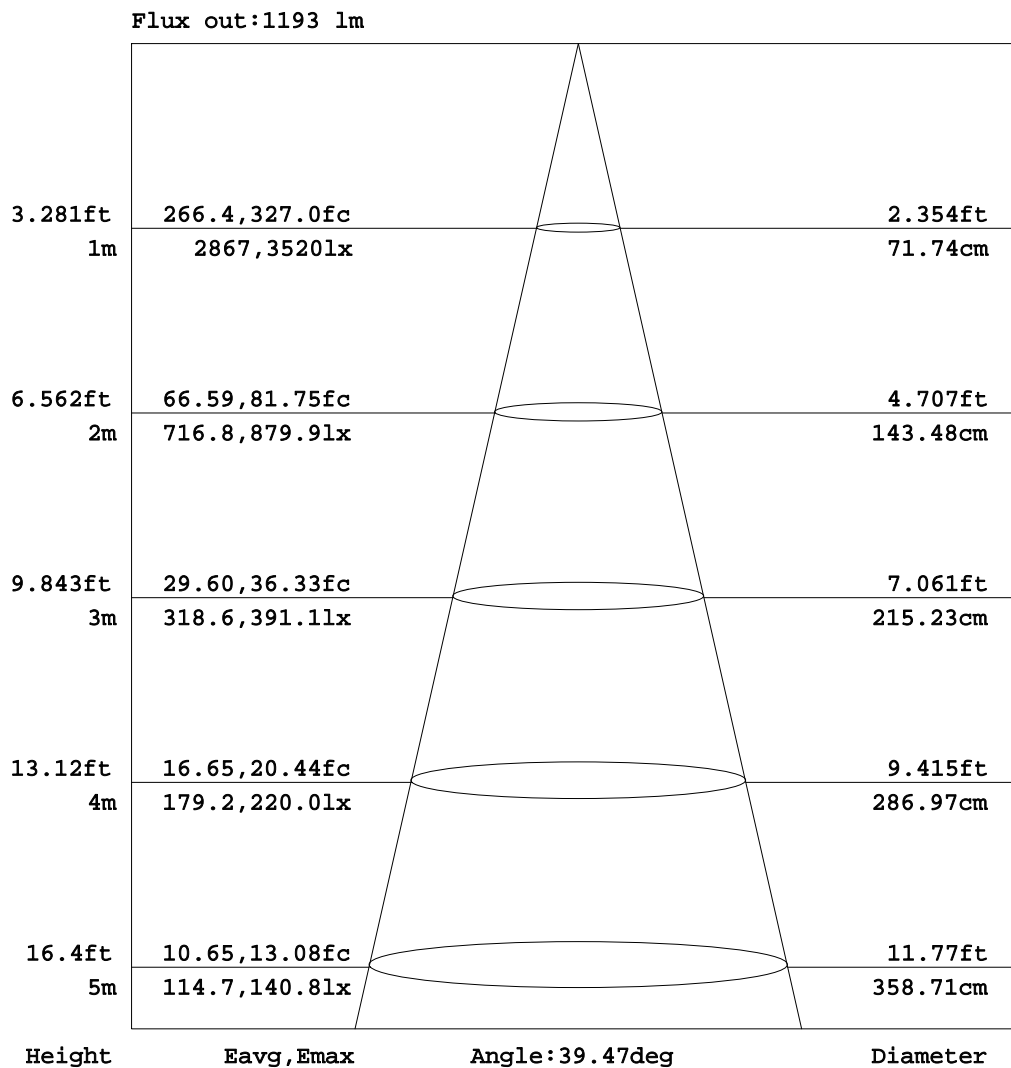


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: ZhangXiao  
 Test Date: 2016-08-16

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity: 65.0%  
 Test Distance: 6.590m [K=1.0000]  
 Remarks:

### AAI Figure

Test:U:226.6V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2044.5x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



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

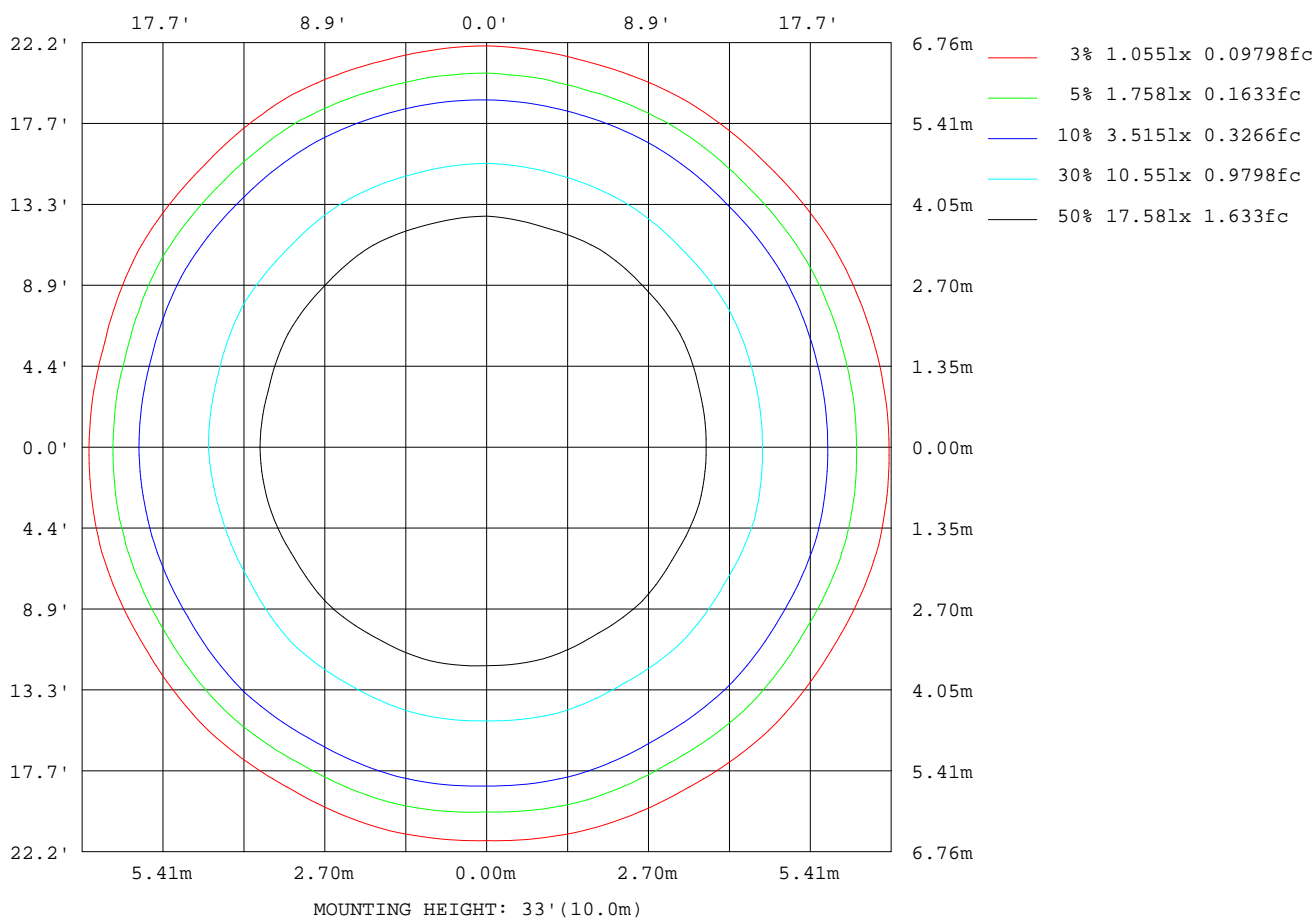
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2016-08-16

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 6.590m [K=1.0000]  
Remarks:



### ISOLUX DIAGRAM

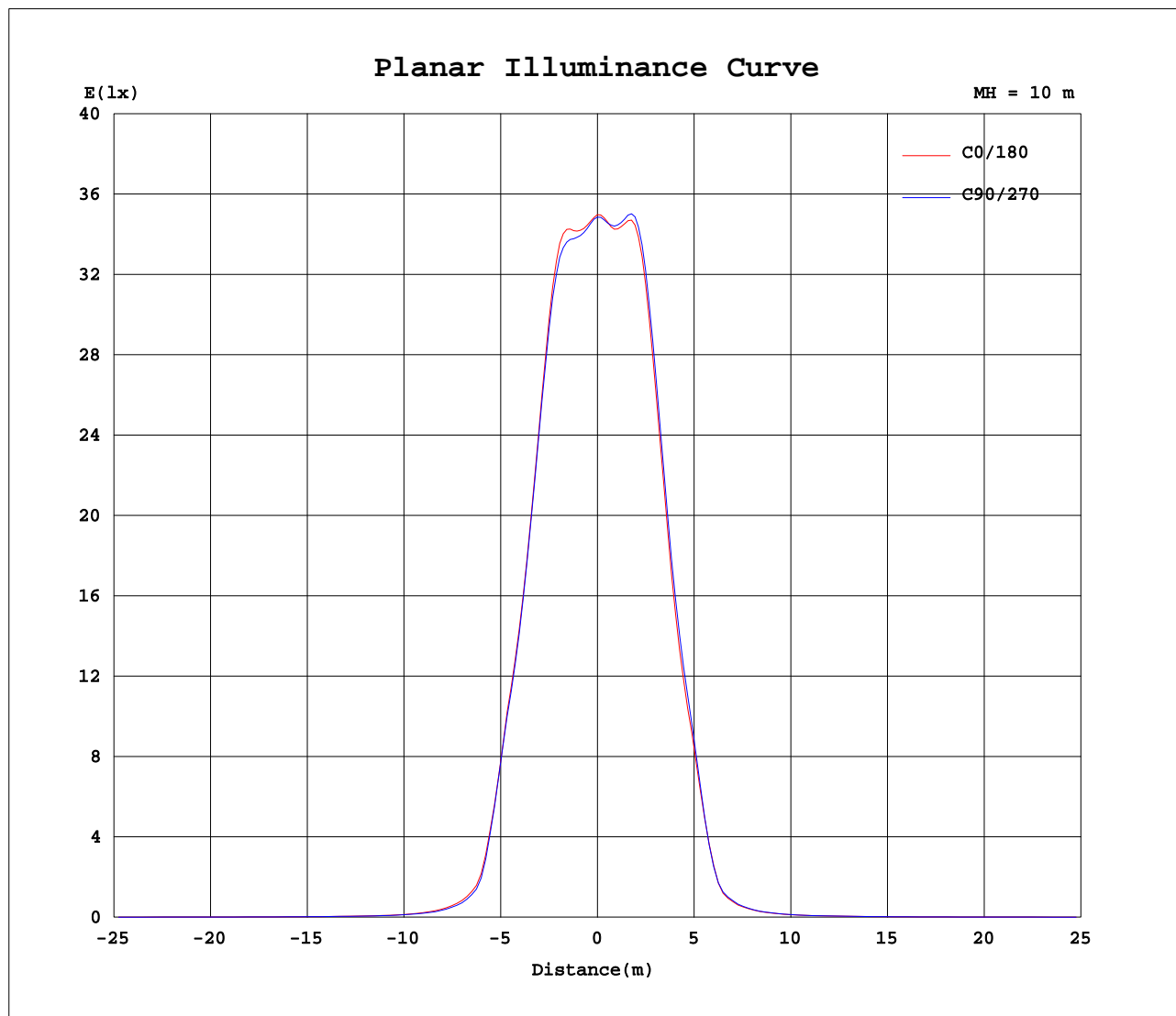
Test:U:226.6V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2044.5x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2016-08-16

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 6.590m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2016-08-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 6.590m [K=1.0000]  
Remarks:

# LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:226.6V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2044.5x1 lm																			
NAME:										TYPE:					WEIGHT:				
DIM.:										SPEC.:					SERIAL No.:				
MFR.: Rayconn										SUR.:					PROTECTION ANGLE:				

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	3487	3487	3487	3487	3487	3487	3487	3487	3487	3487	3487	3487	3487	3487	3487	3487	3487	3487	3487
5	3449	3444	3445	3443	3440	3435	3434	3428	3429	3432	3436	3445	3455	3463	3460	3466	3467	3476	3481
10	3552	3537	3512	3499	3495	3494	3492	3507	3529	3544	3564	3589	3623	3655	3656	3653	3643	3660	3668
15	3092	3085	3027	3043	3025	3074	3061	3108	3123	3192	3205	3268	3301	3298	3351	3332	3383	3369	3388
20	2141	2154	2095	2136	2096	2142	2130	2181	2166	2230	2205	2286	2306	2276	2342	2340	2416	2374	2399
25	1368	1392	1347	1372	1335	1366	1346	1367	1354	1376	1322	1339	1394	1398	1451	1437	1484	1466	1485
30	478	492	455	468	430	459	446	483	474	527	514	547	564	556	595	577	594	572	560
35	151	155	146	149	136	140	131	139	133	142	136	144	141	134	146	141	152	144	151
40	72.5	71.8	70.0	67.5	63.2	62.6	61.5	62.6	61.7	64.2	63.4	65.1	63.5	62.7	66.3	66.8	67.5	68.3	67.5
45	38.9	39.2	37.8	37.3	35.7	35.7	35.3	36.0	35.9	37.0	36.6	37.2	36.7	36.3	38.0	37.3	38.3	37.9	38.4
50	25.2	25.3	24.7	24.6	24.1	24.3	24.3	24.7	24.8	25.3	25.2	25.5	24.9	24.8	25.5	25.2	25.5	25.3	25.4
55	18.7	18.7	18.5	18.5	18.3	18.5	18.6	18.9	19.0	19.4	19.3	19.5	19.0	18.9	19.3	19.0	19.3	19.1	19.1
60	14.8	14.8	14.6	14.6	14.6	14.7	14.8	15.1	15.2	15.5	15.4	15.6	15.0	15.0	15.2	15.1	15.2	15.1	15.0
65	12.3	12.4	12.3	12.3	12.3	12.4	12.5	12.6	12.7	12.9	12.8	12.9	12.4	12.4	12.5	12.4	12.5	12.4	12.3
70	10.2	10.2	10.2	10.2	10.2	10.3	10.3	10.5	10.5	10.6	10.6	10.7	10.2	10.2	10.3	10.2	10.3	10.2	10.2
75	8.35	8.39	8.28	8.32	8.27	8.36	8.40	8.51	8.55	8.68	8.65	8.73	8.55	8.56	8.60	8.55	8.57	8.54	8.54
80	6.60	6.64	6.55	6.57	6.52	6.57	6.57	6.66	6.66	6.85	6.81	6.91	7.04	7.02	7.09	7.02	7.07	7.01	7.01
85	5.06	5.08	5.00	5.02	4.97	4.99	4.97	5.03	5.03	5.29	5.15	5.19	5.70	5.72	5.76	5.75	5.79	5.79	5.81
90	3.83	3.87	3.82	3.80	3.81	3.77	3.80	3.80	3.85	4.23	3.94	3.93	4.73	4.73	4.73	4.71	4.77	4.73	4.74
95	3.73	3.72	3.72	3.70	3.72	3.69	3.72	3.73	3.76	4.08	3.84	3.75	4.78	4.78	4.77	4.77	4.77	4.77	4.78
100	3.67	3.66	3.69	3.67	3.69	3.67	3.68	3.67	3.70	3.85	3.72	3.70	4.89	4.88	4.87	4.86	4.86	4.86	4.87
105	3.74	3.76	3.76	3.76	3.76	3.77	3.76	3.76	3.75	3.80	3.76	3.76	5.04	5.04	5.03	5.02	5.03	5.07	5.03
110	4.17	4.19	4.20	4.19	4.21	4.21	4.22	4.18	4.18	4.16	4.17	4.14	5.42	5.42	5.41	5.42	5.40	5.41	5.40
115	5.02	5.01	5.07	5.04	5.09	5.06	5.10	5.04	5.05	4.98	5.00	4.94	6.07	6.08	6.04	6.07	6.04	6.06	6.04
120	6.30	6.29	6.35	6.31	6.39	6.35	6.39	6.30	6.33	6.24	6.27	6.16	7.03	7.05	6.99	7.03	6.99	7.02	6.99
125	7.86	7.85	7.93	7.88	7.96	7.93	7.98	7.87	7.89	7.78	7.81	7.69	8.33	8.33	8.27	8.32	8.25	8.28	8.25
130	9.52	9.52	9.59	9.55	9.62	9.59	9.64	9.53	9.55	9.45	9.47	9.34	9.80	9.80	9.73	9.77	9.72	9.75	9.72
135	11.2	11.2	11.3	11.2	11.3	11.3	11.3	11.2	11.2	11.1	11.1	11.0	11.4	11.4	11.3	11.3	11.3	11.3	11.3
140	12.8	12.8	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.8	12.8	12.7	13.0	13.0	12.9	12.9	12.9	12.9	12.9
145	14.4	14.4	14.5	14.5	14.5	14.4	14.5	14.4	14.4	14.4	14.3	14.3	14.5	14.5	14.5	14.5	14.4	14.5	14.4
150	15.7	15.7	15.8	15.7	15.8	15.7	15.8	15.7	15.8	15.7	15.7	15.6	15.8	15.9	15.8	15.8	15.7	15.8	15.8
155	16.5	16.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.5	16.5	16.5	16.7	16.7	16.6	16.6	16.6	16.7	16.6
160	16.7	16.7	16.7	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	17.0	16.9	16.9	16.9	16.9	16.9	17.0
165	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.6	16.6	16.6	16.6	16.6	16.8	16.8	16.8	16.8	16.8	16.8	16.8
170	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.4	16.4	16.4	16.4	16.5	16.5	16.6	16.6	16.6	16.6	16.6
175	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
180	16.8	16.8	16.8	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.8	16.8	16.9	16.9	16.9	16.9	16.9

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-16

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.590m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:226.6V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2044.5x1 lm					
NAME:			TYPE:		WEIGHT:
DIM.:			SPEC.:		SERIAL No.:
MFR.: Rayconn			SUR.:		PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	3487	3487	3487	3487	3487														
5	3486	3481	3474	3461	3455														
10	3688	3669	3642	3603	3569														
15	3329	3329	3241	3211	3122														
20	2308	2329	2246	2244	2164														
25	1453	1446	1405	1413	1384														
30	538	525	486	499	480														
35	140	148	141	151	148														
40	67.4	66.5	67.3	68.4	71.5														
45	37.1	37.5	36.7	37.9	38.4														
50	24.9	25.0	24.7	25.1	25.2														
55	18.7	18.8	18.6	18.7	18.7														
60	14.8	14.8	14.6	14.7	14.7														
65	12.2	12.2	12.1	12.2	12.2														
70	10.1	10.2	10.1	10.1	10.1														
75	8.48	8.47	8.44	8.45	8.40														
80	6.96	6.97	6.96	6.95	6.91														
85	5.76	5.77	5.85	5.78	5.68														
90	4.69	4.70	4.87	4.81	4.68														
95	4.78	4.81	4.97	4.91	4.78														
100	4.87	4.89	4.97	4.94	4.87														
105	5.04	5.04	5.07	5.05	5.04														
110	5.42	5.43	5.44	5.42	5.43														
115	6.08	6.08	6.11	6.08	6.12														
120	7.04	7.05	7.10	7.07	7.14														
125	8.34	8.35	8.41	8.38	8.47														
130	9.80	9.81	9.89	9.86	9.96														
135	11.4	11.4	11.4	11.4	11.5														
140	13.0	13.0	13.0	13.1	13.2														
145	14.5	14.5	14.6	14.6	14.7														
150	15.8	15.8	15.9	15.9	15.9														
155	16.7	16.7	16.7	16.7	16.7														
160	17.0	17.0	17.0	17.0	17.0														
165	16.8	16.8	16.8	16.8	16.8														
170	16.6	16.6	16.6	16.6	16.5														
175	16.7	16.7	16.7	16.7	16.6														
180	16.9	16.9	16.9	16.9	16.9														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-16

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.590m [K=1.0000]  
Remarks: