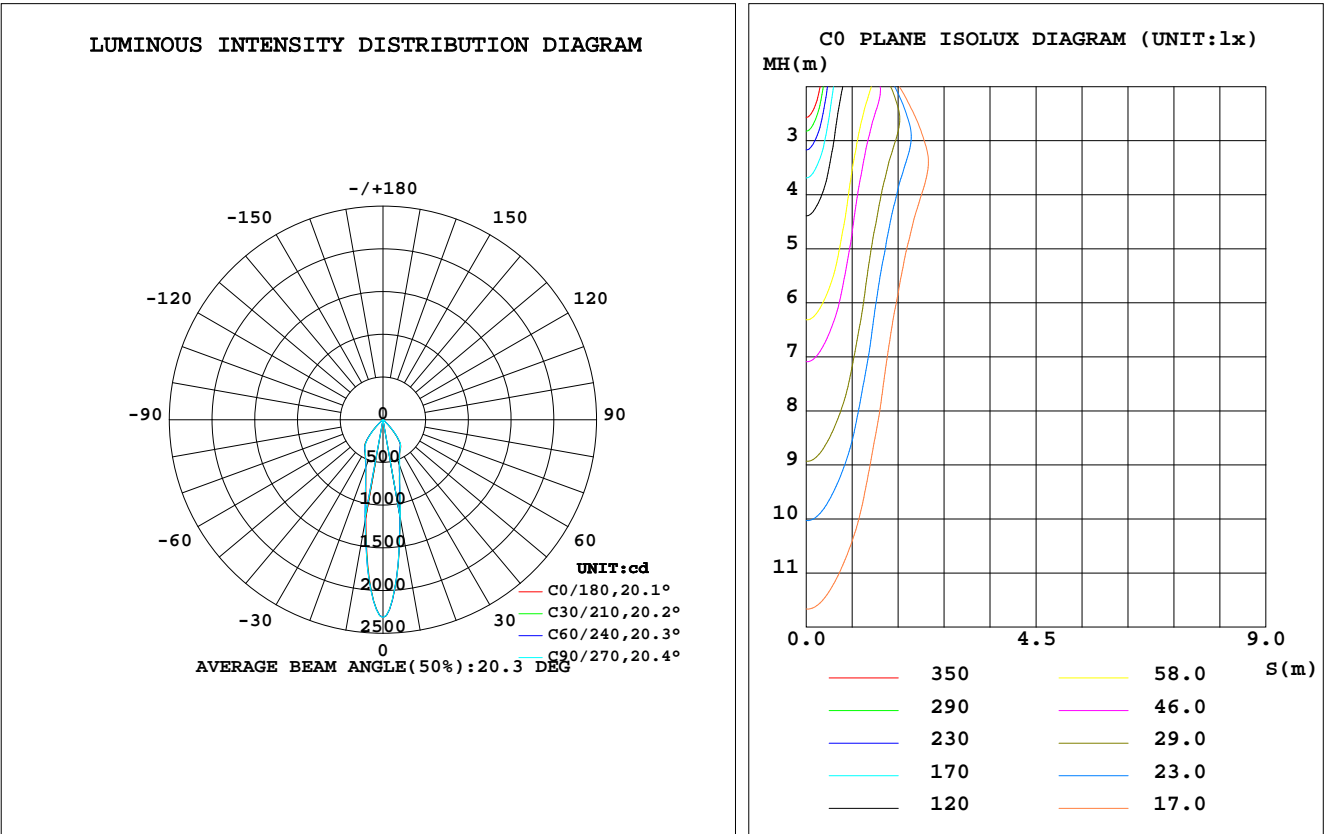


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:226.5V I:0.0590A P:10.60W PF:0.7890 Lamp Flux:968.489x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 91.37 lm/W
MODEL	M031-11W-830-S-16	Imax(cd)	2313	S/MH(C0/180)	0.34	
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.34	
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	968.50	η UP,DN(C0-180)	1.2,48.3	
NOMINAL FLUX(lm)	968.489	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.3,49.3	
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	226.4	η down(%)	97.6	CIBSE SHR MAX	0.50	



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1164	1158	1163	1168	1163	1180	1199	1160	0- 10	153.8	153.8	15.9,15.9
20	565.6	562.5	573.6	583.3	591.5	592.9	591.0	569.6	10- 20	219.5	373.3	38.5,38.5
30	407.0	396.4	401.9	409.2	424.8	423.4	419.4	406.2	20- 30	219.9	593.1	61.2,61.2
40	241.0	237.6	250.5	266.6	267.9	260.2	250.1	243.3	30- 40	219.0	812.1	83.9,83.9
50	29.11	32.12	32.13	34.65	35.45	35.16	33.61	31.59	40- 50	89.82	902.0	93.1,93.1
60	13.35	14.42	14.66	14.81	15.64	16.24	15.40	14.47	50- 60	18.85	920.8	95.1,95.1
70	8.389	8.994	9.323	9.298	9.827	10.39	9.609	8.916	60- 70	11.65	932.5	96.3,96.3
80	5.566	5.896	6.099	6.136	6.435	6.809	6.260	5.804	70- 80	8.087	940.6	97.1,97.1
90	1.617	1.614	1.607	1.607	1.841	1.864	1.848	1.883	80- 90	4.402	945.0	97.6,97.6
100	1.764	1.777	1.747	1.761	2.176	2.176	2.189	2.207	90-100	1.996	947.0	97.8,97.8
110	2.336	2.333	2.311	2.303	2.664	2.661	2.682	2.707	100-110	2.347	949.3	98,98
120	3.053	3.050	3.033	3.000	3.304	3.313	3.329	3.358	110-120	2.797	952.1	98.3,98.3
130	4.117	4.104	4.093	4.044	4.289	4.295	4.306	4.355	120-130	3.265	955.4	98.6,98.6
140	5.426	5.418	5.401	5.359	5.508	5.505	5.518	5.565	130-140	3.738	959.1	99,99
150	6.186	6.195	6.184	6.155	6.248	6.250	6.260	6.297	140-150	3.688	962.8	99.4,99.4
160	6.796	6.795	6.791	6.770	6.839	6.846	6.860	6.883	150-160	3.008	965.8	99.7,99.7
170	7.261	7.257	7.263	7.253	7.299	7.294	7.308	7.311	160-170	2.000	967.8	99.9,99.9
180	7.373	7.376	7.380	7.388	7.378	7.376	7.378	7.388	170-180	0.6992	968.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

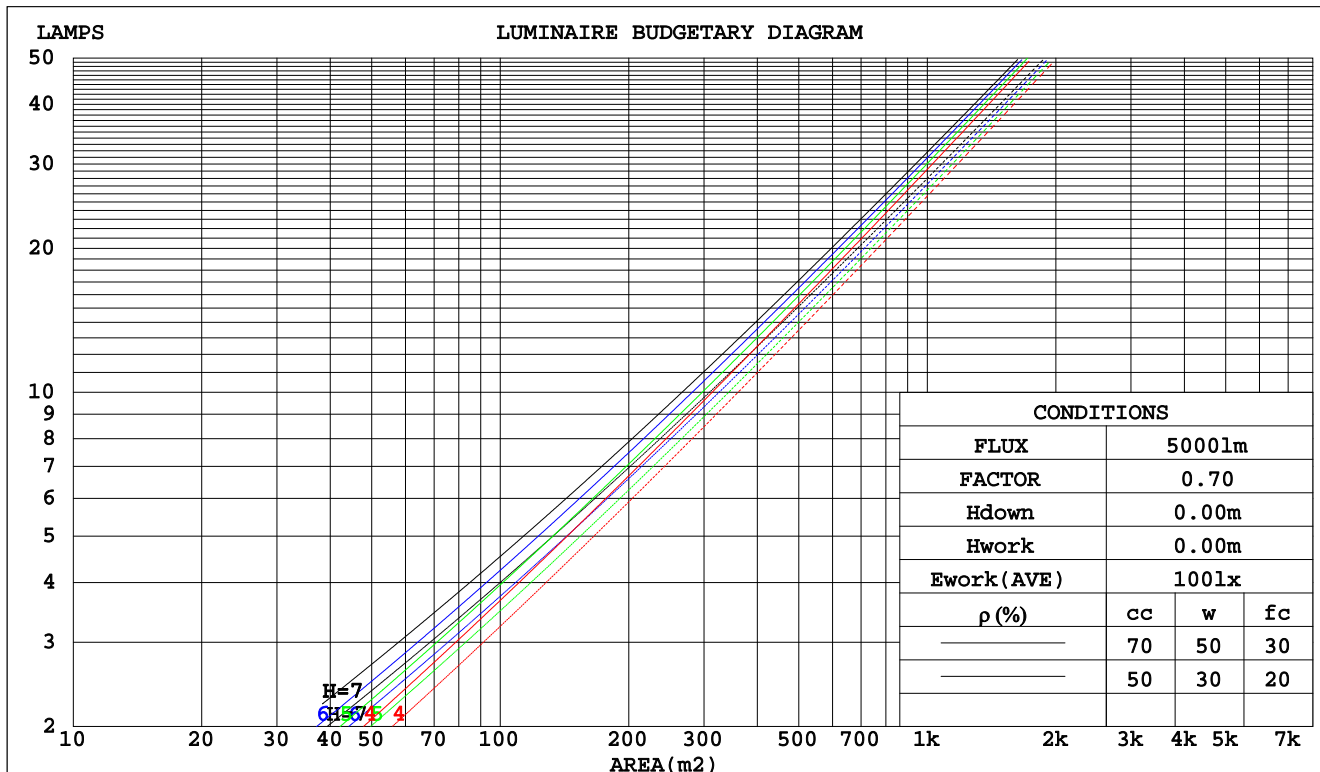
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:226.5V I:0.0590A P:10.60W PF:0.7890 Lamp Flux:968.489x1 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	Coefficients of Utilization(CU)															
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.09	1.07	1.04	1.07	1.05	1.02	1.03	1.01	.99	.98	.97	.95	.95	.93	.92	.90
2.0	1.01	.97	.93	.99	.95	.92	.96	.92	.90	.92	.90	.87	.89	.87	.85	.83
3.0	.94	.89	.85	.92	.88	.84	.89	.85	.82	.87	.83	.81	.84	.81	.79	.77
4.0	.88	.82	.77	.86	.81	.77	.84	.79	.76	.81	.78	.74	.79	.76	.73	.72
5.0	.82	.76	.71	.81	.75	.71	.79	.74	.70	.77	.72	.69	.75	.71	.68	.67
6.0	.77	.71	.66	.76	.70	.66	.74	.69	.65	.72	.68	.65	.71	.67	.64	.62
7.0	.72	.66	.62	.71	.66	.61	.70	.65	.61	.68	.64	.60	.67	.63	.60	.58
8.0	.68	.62	.58	.67	.62	.58	.66	.61	.57	.65	.60	.57	.64	.59	.56	.55
9.0	.64	.58	.54	.64	.58	.54	.63	.57	.54	.62	.57	.53	.60	.56	.53	.52
10.0	.61	.55	.51	.60	.55	.51	.59	.54	.51	.59	.54	.51	.58	.53	.50	.49



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2015-12-07

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:226.5V I:0.0590A P:10.60W PF:0.7890 Lamp Flux:968.489x1 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	.192	.109	.035	.184	.105	.033	.170	.098	.031	.157	.091	.029	.146	.084	.027	
2.0	.182	.100	.031	.176	.097	.030	.164	.091	.028	.153	.086	.027	.142	.081	.025	
3.0	.172	.092	.027	.167	.089	.027	.156	.085	.026	.147	.080	.025	.138	.076	.024	
4.0	.163	.085	.025	.158	.083	.024	.149	.079	.024	.141	.076	.023	.133	.072	.022	
5.0	.154	.079	.023	.150	.077	.022	.142	.074	.022	.135	.071	.021	.128	.068	.021	
6.0	.146	.073	.021	.143	.072	.021	.136	.070	.020	.129	.067	.020	.123	.065	.019	
7.0	.139	.069	.020	.136	.068	.019	.130	.066	.019	.124	.063	.018	.118	.061	.018	
8.0	.133	.065	.018	.130	.064	.018	.124	.062	.018	.119	.060	.017	.114	.058	.017	
9.0	.126	.061	.017	.124	.060	.017	.119	.059	.017	.114	.057	.016	.109	.055	.016	
10.0	.121	.058	.016	.118	.057	.016	.114	.056	.016	.109	.054	.015	.105	.053	.015	

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	.209	.209	.209	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.191	.176	.162	.163	.151	.140	.112	.104	.097	.064	.060	.056	.021	.019	.018	
2.0	.176	.151	.130	.151	.130	.112	.104	.090	.078	.060	.052	.046	.019	.017	.015	
3.0	.165	.133	.107	.141	.114	.093	.097	.079	.065	.056	.046	.038	.018	.015	.013	
4.0	.155	.118	.090	.133	.102	.078	.091	.071	.055	.053	.042	.033	.017	.014	.011	
5.0	.146	.107	.078	.125	.092	.067	.086	.064	.048	.050	.038	.028	.016	.012	.009	
6.0	.139	.097	.068	.119	.084	.059	.082	.059	.042	.048	.035	.025	.015	.011	.008	
7.0	.132	.090	.060	.114	.078	.053	.078	.055	.037	.046	.032	.022	.015	.011	.007	
8.0	.126	.084	.055	.109	.073	.048	.075	.051	.034	.044	.030	.020	.014	.010	.007	
9.0	.121	.079	.050	.104	.068	.044	.072	.048	.031	.042	.028	.018	.014	.009	.006	
10.0	.116	.074	.046	.100	.064	.040	.070	.045	.029	.041	.027	.017	.013	.009	.006	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:226.5V I:0.0590A P:10.60W PF:0.7890 Lamp Flux:968.489x1 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	2H	24.1	25.1	24.4	25.3	25.5	24.2	25.2	24.5	25.4	25.6
	3H	24.1	25.0	24.4	25.2	25.5	24.2	25.1	24.5	25.4	25.6
	4H	24.1	24.9	24.4	25.2	25.5	24.2	25.1	24.6	25.4	25.6
	6H	24.1	24.9	24.5	25.2	25.5	24.3	25.1	24.6	25.4	25.7
	8H	24.2	24.9	24.5	25.2	25.5	24.4	25.1	24.7	25.4	25.7
	12H	24.2	24.9	24.6	25.3	25.6	24.4	25.1	24.8	25.5	25.8
4H	2H	23.9	24.8	24.2	25.0	25.3	24.0	24.9	24.4	25.1	25.4
	3H	23.9	24.7	24.3	25.0	25.3	24.1	24.8	24.4	25.1	25.5
	4H	24.0	24.7	24.4	25.0	25.4	24.2	24.8	24.6	25.2	25.5
	6H	24.1	24.7	24.6	25.1	25.5	24.3	24.9	24.8	25.3	25.7
	8H	24.2	24.8	24.7	25.2	25.6	24.5	25.0	24.9	25.4	25.8
	12H	24.3	24.8	24.8	25.3	25.7	24.6	25.1	25.0	25.5	25.9
8H	4H	24.0	24.5	24.4	24.9	25.3	24.1	24.7	24.6	25.1	25.5
	6H	24.2	24.7	24.7	25.1	25.6	24.4	24.8	24.9	25.3	25.7
	8H	24.4	24.8	24.9	25.2	25.7	24.6	25.0	25.1	25.4	25.9
	12H	24.6	24.9	25.1	25.4	25.9	24.8	25.1	25.3	25.6	26.1
12H	4H	23.9	24.4	24.4	24.9	25.3	24.1	24.6	24.6	25.0	25.5
	6H	24.2	24.6	24.7	25.1	25.6	24.4	24.8	24.9	25.3	25.7
	8H	24.4	24.8	24.9	25.2	25.8	24.6	25.0	25.1	25.4	26.0
Variations with the observer position at spacings:											
S = 1.0H	+ 2.2 / - 4.3					+ 2.2 / - 4.1					
1.5H	+ 4.3 / - 4.2					+ 4.2 / - 4.1					
2.0H	+ 4.0 / - 1.2					+ 4.4 / - 1.2					

CIE Pub.117 Corrected 968.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.1)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:226.5V I:0.0590A P:10.60W PF:0.7890 Lamp Flux:968.489x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

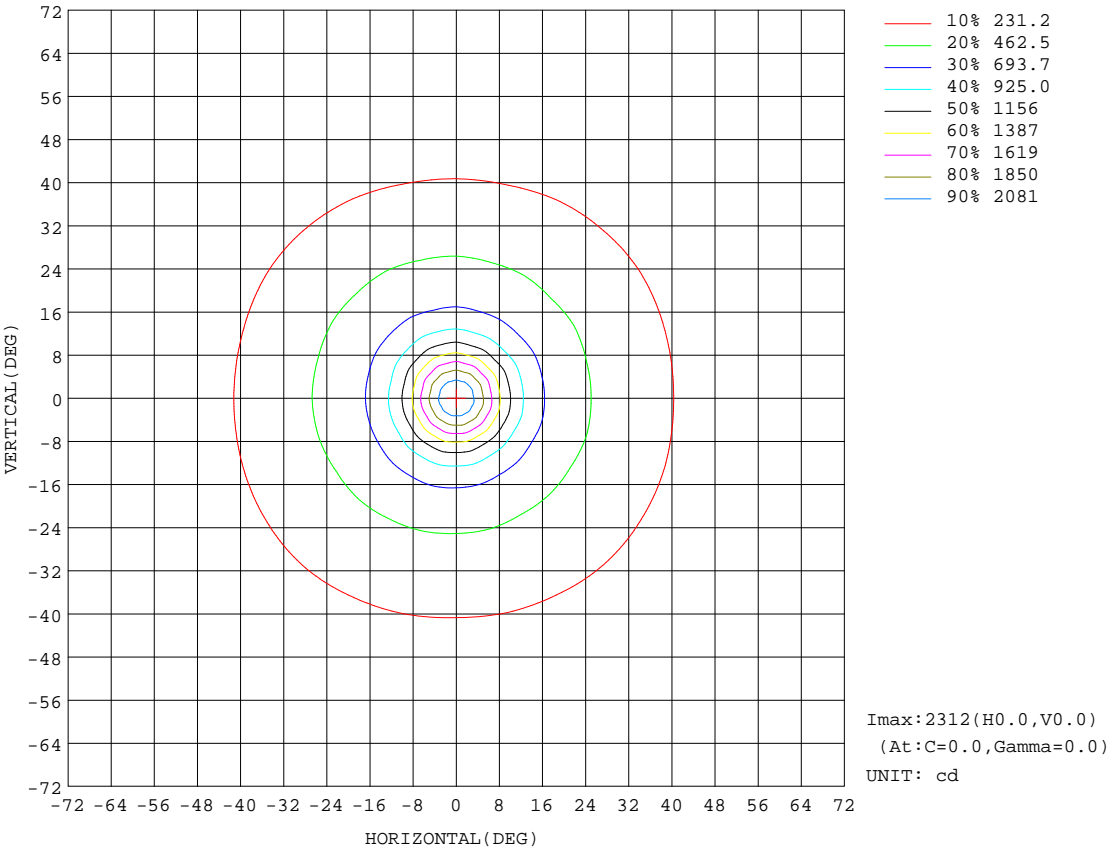
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	82	74	70	81	74	70	80	74	70	66
0.80	90	83	78	89	82	78	87	82	78	73
1.00	95	88	84	94	88	84	92	88	83	78
1.25	99	93	89	98	93	89	96	91	88	83
1.50	102	97	93	101	96	92	98	94	91	86
2.00	106	101	97	104	100	96	101	97	95	89
2.50	108	103	100	106	102	99	102	99	97	90
3.00	110	106	102	108	104	101	104	101	99	91
4.00	112	109	106	110	107	104	105	103	101	93
5.00	113	111	108	111	109	107	106	105	103	94
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:2015-12-07

$\gamma$  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:226.5V I:0.0590A P:10.60W PF:0.7890 Lamp Flux:968.489x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



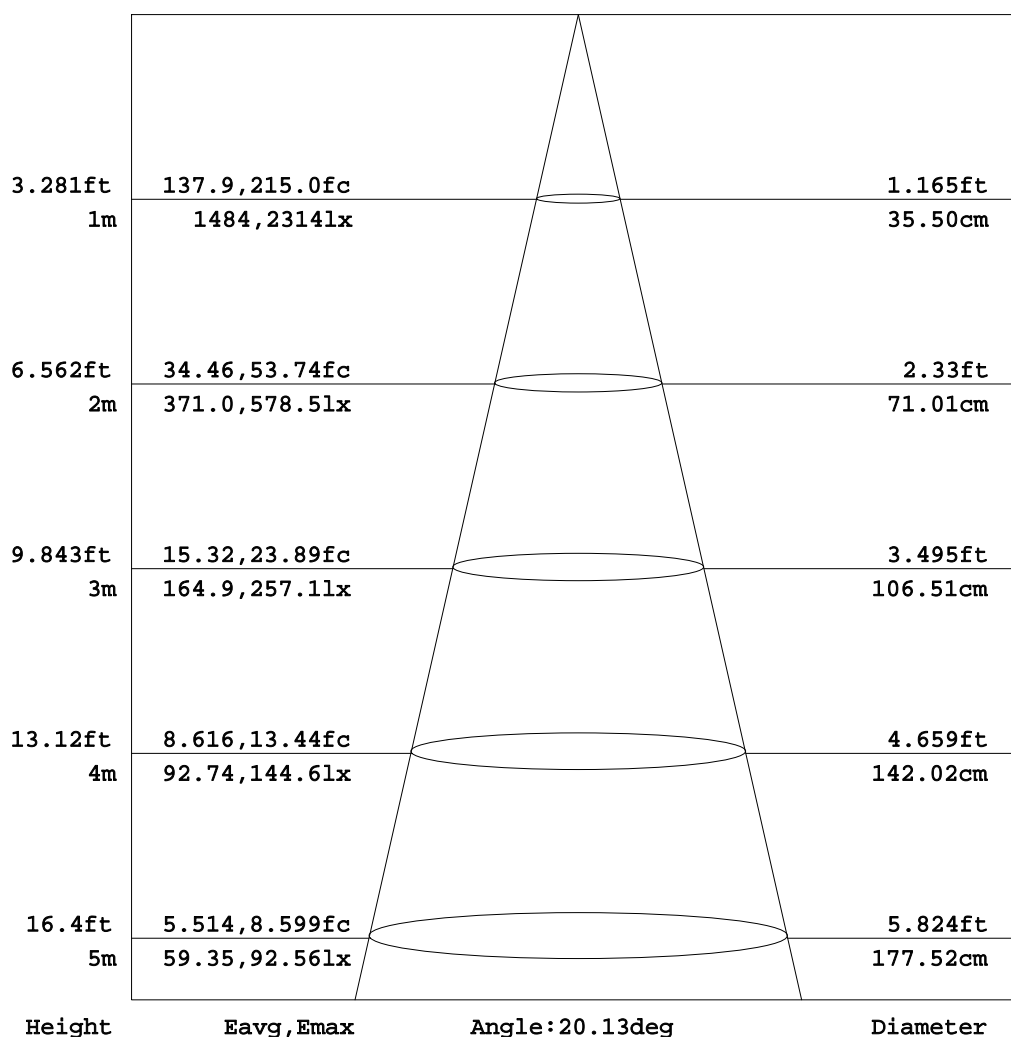
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:226.5V I:0.0590A P:10.60W PF:0.7890 Lamp Flux:968.489x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

Flux out:176.1 lm



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

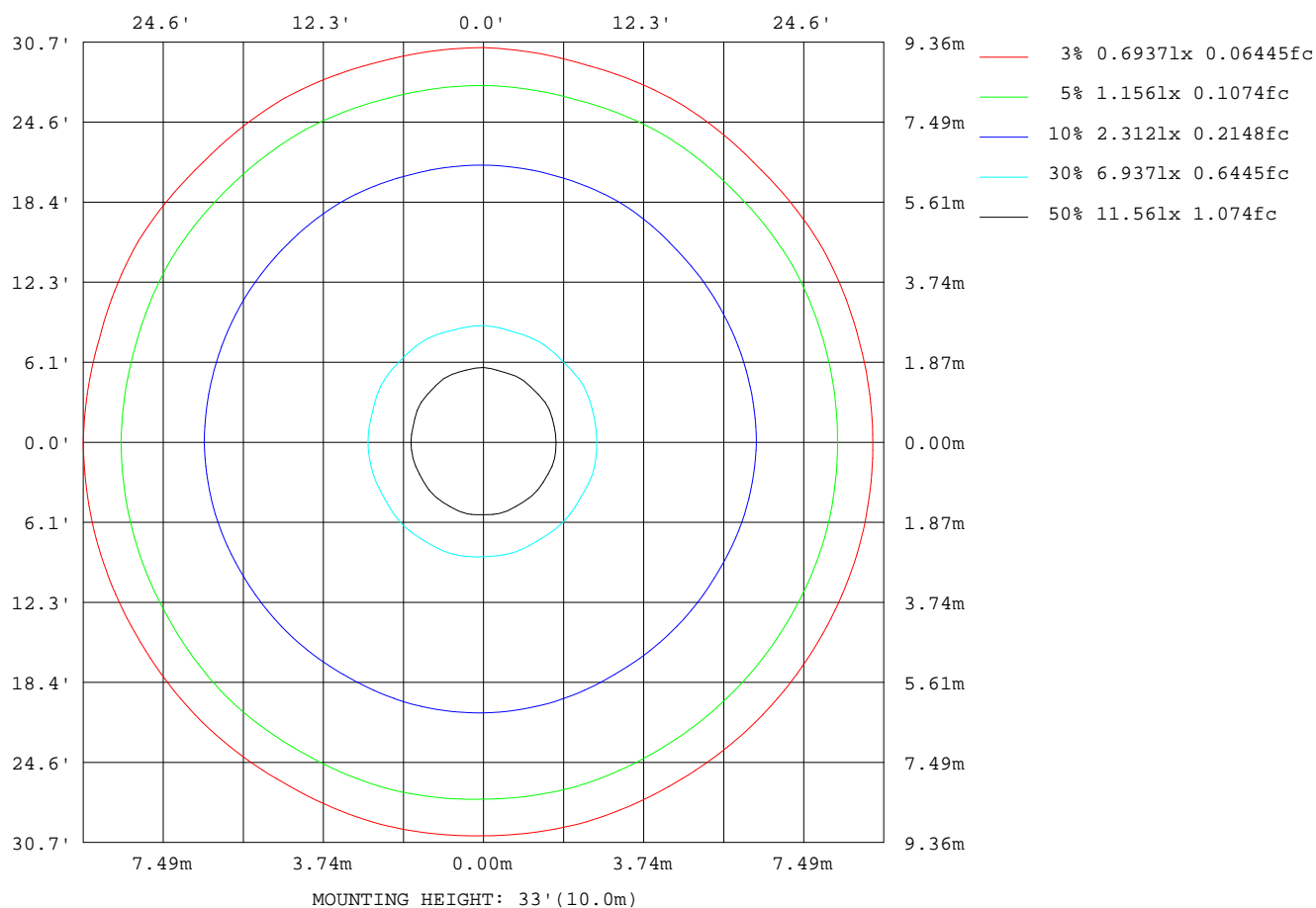
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2015-12-07

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

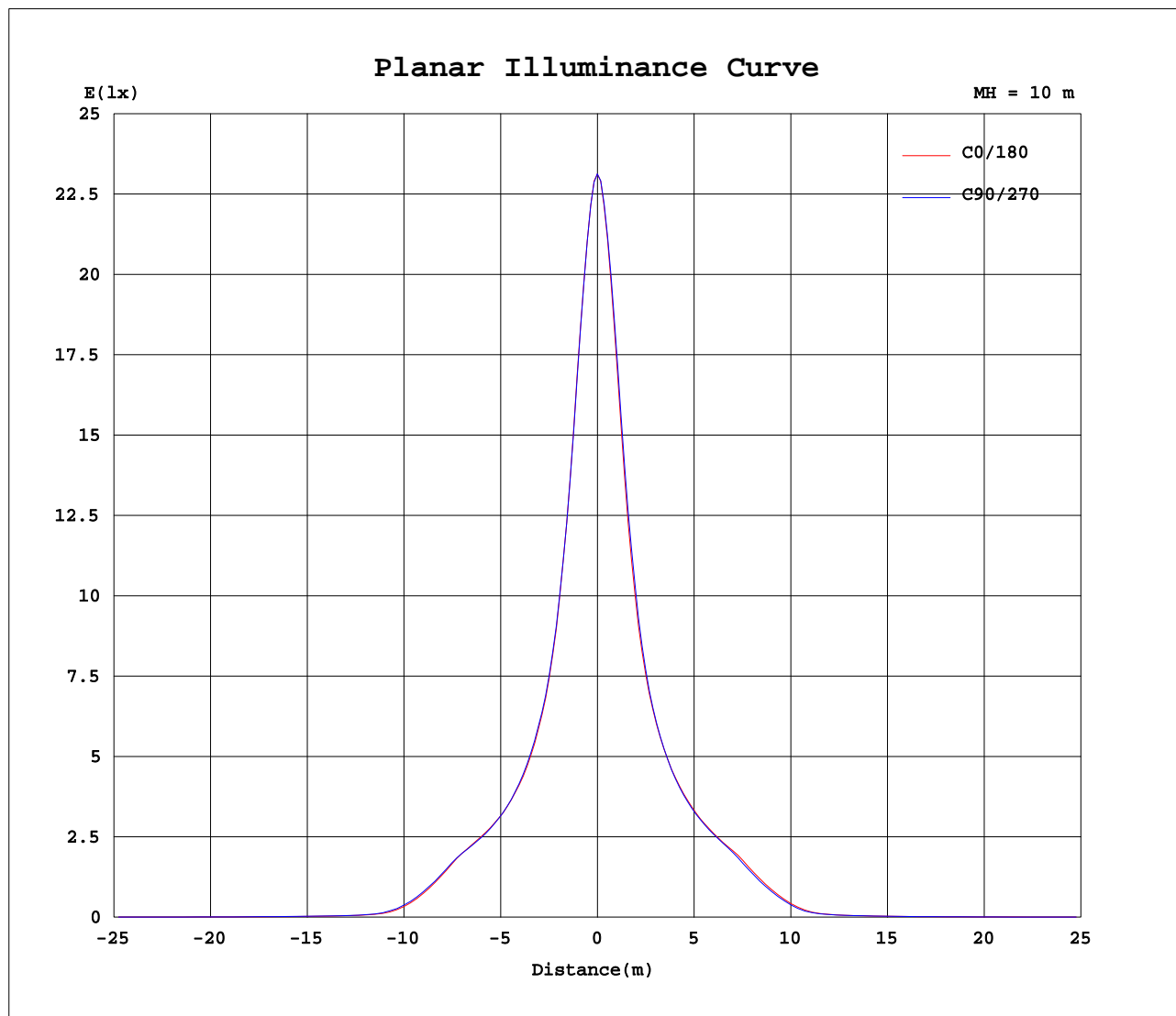
Test:U:226.5V I:0.0590A P:10.60W PF:0.7890 Lamp Flux:968.489x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2015-12-07

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: 2015-12-07

$\gamma$  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:226.5V I:0.0590A P:10.60W PF:0.7890 Lamp Flux:968.489x1 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	2313	2313	2313	2313	2313	2313	2313	2313	2313	2313	2313	2313	2313	2313	2313	2313	2313	2313	2313
5	1854	1871	1847	1869	1846	1871	1849	1858	1837	1855	1831	1849	1856	1837	1871	1857	1883	1859	1880
10	1164	1169	1149	1158	1146	1171	1163	1181	1160	1168	1145	1159	1163	1155	1187	1180	1206	1189	1199
15	757	761	745	755	748	767	766	781	770	776	761	771	775	771	789	783	795	781	785
20	566	566	559	563	560	572	574	579	576	583	580	587	592	589	599	593	595	588	591
25	463	463	456	457	455	462	464	468	469	476	475	484	489	486	489	485	488	483	483
30	407	405	398	396	395	400	402	406	405	409	412	421	425	422	424	423	424	420	419
35	362	359	354	354	355	360	362	364	362	367	367	373	377	374	371	370	371	366	367
40	241	242	239	238	242	250	250	259	258	267	263	266	268	263	267	260	260	252	250
45	95.2	98.3	98.7	99.3	103	107	108	110	108	111	114	119	121	117	119	116	117	108	109
50	29.1	30.5	30.6	32.1	32.1	32.5	32.1	33.0	32.9	34.6	34.4	35.5	35.4	34.7	35.7	35.2	35.2	33.6	33.6
55	18.4	18.7	18.9	19.5	19.8	19.8	19.6	20.0	19.8	20.1	20.4	21.1	21.3	21.2	21.8	21.7	21.8	21.1	21.0
60	13.3	13.7	13.9	14.4	14.7	14.7	14.7	15.0	14.7	14.8	15.0	15.5	15.6	15.7	16.3	16.2	16.2	15.6	15.4
65	10.4	10.5	10.7	11.2	11.5	11.5	11.5	11.7	11.5	11.5	11.6	11.9	12.2	12.3	12.9	12.8	12.6	12.1	12.0
70	8.39	8.55	8.71	8.99	9.19	9.29	9.32	9.41	9.26	9.30	9.35	9.57	9.83	10.0	10.4	10.4	10.2	9.77	9.61
75	6.85	6.99	7.10	7.33	7.43	7.55	7.62	7.72	7.60	7.63	7.64	7.80	8.01	8.13	8.47	8.46	8.26	7.92	7.79
80	5.57	5.70	5.75	5.90	5.96	6.05	6.10	6.17	6.08	6.14	6.09	6.22	6.44	6.52	6.81	6.81	6.68	6.36	6.26
85	3.61	3.68	3.65	3.77	3.80	3.91	3.97	4.04	3.97	4.03	3.96	4.10	4.36	4.38	4.56	4.52	4.49	4.27	4.23
90	1.62	1.60	1.62	1.61	1.64	1.60	1.61	2.23	1.60	1.61	1.61	1.59	1.84	1.85	1.84	1.86	1.88	1.86	1.85
95	1.63	1.64	1.63	1.65	1.64	1.63	1.63	1.62	1.60	1.64	1.60	1.62	1.98	1.97	1.98	1.98	2.00	1.98	2.00
100	1.76	1.77	1.76	1.78	1.77	1.77	1.75	1.75	1.74	1.76	1.74	1.74	2.18	2.16	2.18	2.18	2.20	2.18	2.19
105	2.02	2.02	2.02	2.02	2.01	2.01	2.00	2.00	1.99	2.00	1.98	1.98	2.41	2.40	2.40	2.41	2.42	2.41	2.42
110	2.34	2.34	2.34	2.33	2.33	2.32	2.31	2.31	2.30	2.30	2.29	2.29	2.66	2.65	2.66	2.66	2.68	2.67	2.68
115	2.67	2.67	2.67	2.67	2.67	2.66	2.65	2.64	2.63	2.63	2.61	2.61	2.96	2.95	2.96	2.96	2.97	2.97	2.98
120	3.05	3.05	3.06	3.05	3.05	3.04	3.03	3.02	3.01	3.00	2.99	2.98	3.30	3.31	3.30	3.31	3.32	3.31	3.33
125	3.52	3.51	3.52	3.52	3.52	3.50	3.49	3.48	3.47	3.45	3.45	3.43	3.74	3.74	3.74	3.75	3.75	3.76	3.76
130	4.12	4.10	4.12	4.10	4.11	4.09	4.09	4.07	4.07	4.04	4.03	4.01	4.29	4.29	4.29	4.30	4.30	4.31	4.31
135	4.80	4.78	4.80	4.78	4.80	4.77	4.77	4.75	4.74	4.72	4.71	4.69	4.92	4.92	4.92	4.93	4.92	4.94	4.93
140	5.43	5.42	5.43	5.42	5.42	5.40	5.40	5.38	5.38	5.36	5.35	5.33	5.51	5.51	5.50	5.50	5.51	5.52	5.52
145	5.88	5.88	5.89	5.88	5.88	5.88	5.87	5.86	5.85	5.83	5.82	5.81	5.94	5.94	5.94	5.94	5.94	5.95	5.95
150	6.19	6.19	6.20	6.20	6.19	6.19	6.18	6.18	6.16	6.16	6.15	6.14	6.25	6.24	6.25	6.25	6.25	6.26	6.26
155	6.49	6.49	6.49	6.49	6.49	6.48	6.48	6.47	6.46	6.45	6.44	6.44	6.53	6.53	6.53	6.54	6.54	6.55	6.55
160	6.80	6.79	6.80	6.80	6.80	6.79	6.79	6.78	6.78	6.77	6.76	6.76	6.84	6.84	6.84	6.85	6.85	6.86	6.86
165	7.08	7.07	7.08	7.08	7.07	7.07	7.07	7.07	7.06	7.05	7.05	7.05	7.11	7.11	7.12	7.12	7.12	7.13	7.13
170	7.26	7.27	7.26	7.26	7.26	7.26	7.26	7.26	7.26	7.25	7.25	7.26	7.30	7.28	7.30	7.29	7.30	7.30	7.31
175	7.32	7.31	7.31	7.32	7.31	7.32	7.31	7.32	7.32	7.33	7.31	7.32	7.35	7.35	7.35	7.35	7.35	7.36	7.36
180	7.37	7.37	7.38	7.38	7.38	7.38	7.38	7.39	7.38	7.39	7.38	7.39	7.38	7.38	7.38	7.38	7.38	7.38	7.38

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:226.5V I:0.0590A P:10.60W PF:0.7890 Lamp Flux:968.489x1 lm					
NAME:			TYPE:		WEIGHT:
DIM.:			SPEC.:		SERIAL No.:
MFR.: Rayconn			SUR.:		PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	2313	2313	2313	2313	2313														
5	1853	1877	1853	1870	1847														
10	1167	1183	1160	1182	1161														
15	766	771	757	771	759														
20	576	577	570	573	567														
25	476	475	467	469	464														
30	416	415	406	407	405														
35	364	365	361	360	360														
40	244	250	243	248	243														
45	98.5	100	95.1	96.5	92.2														
50	32.5	32.7	31.6	30.5	29.1														
55	20.5	20.4	19.8	19.3	18.4														
60	15.1	15.0	14.5	14.1	13.5														
65	11.7	11.6	11.2	10.9	10.5														
70	9.42	9.27	8.92	8.68	8.47														
75	7.65	7.51	7.23	7.08	6.93														
80	6.13	6.01	5.80	5.73	5.63														
85	4.09	4.00	3.85	3.83	3.76														
90	1.86	1.86	1.88	1.88	1.87														
95	1.99	2.00	2.01	2.02	2.00														
100	2.19	2.20	2.21	2.21	2.21														
105	2.42	2.43	2.44	2.45	2.45														
110	2.68	2.70	2.71	2.71	2.71														
115	2.99	3.00	3.01	3.01	3.02														
120	3.34	3.35	3.36	3.37	3.39														
125	3.78	3.79	3.80	3.81	3.82														
130	4.33	4.33	4.36	4.35	4.38														
135	4.96	4.96	4.99	4.98	5.01														
140	5.55	5.54	5.57	5.57	5.59														
145	5.97	5.97	5.99	5.99	6.02														
150	6.27	6.28	6.30	6.29	6.30														
155	6.56	6.56	6.57	6.57	6.59														
160	6.88	6.87	6.88	6.87	6.88														
165	7.13	7.14	7.14	7.13	7.14														
170	7.31	7.31	7.31	7.31	7.31														
175	7.37	7.36	7.36	7.36	7.37														
180	7.38	7.39	7.39	7.39	7.38														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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