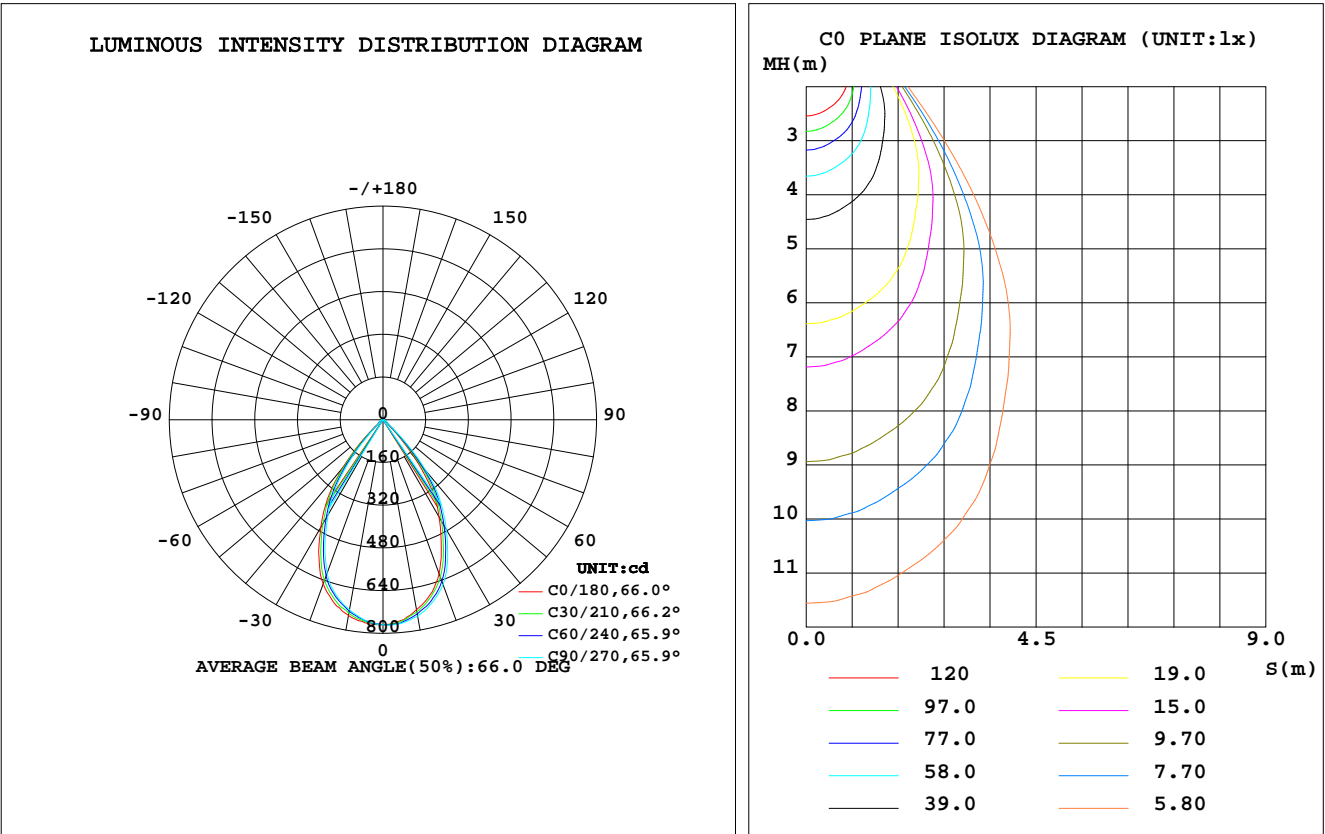


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:226.4V I:0.0440A P:8.490W PF:0.8400 Lamp Flux:857.529x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.00 lm/W			
MODEL	M021-9W-840-S-60	Imax(cd)	770.7	S/MH(C0/180)	0.94
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)	1.01
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	857.53	η UP,DN(C0-180)	1.2,51.0
NOMINAL FLUX(lm)	857.529	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.3,46.5
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	226.5	η down(%)	97.6	CIBSE SHR MAX	1.05



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	722.8	735.9	746.1	748.6	744.8	728.3	722.9	719.0	0- 10	71.63	71.63	8.35,8.35
20	614.2	637.7	657.4	664.6	654.6	627.0	611.8	598.2	10- 20	194.2	265.8	31,31
30	420.3	451.1	474.2	480.1	467.4	433.7	412.3	401.3	20- 30	247.6	513.4	59.9,59.9
40	181.0	226.0	254.5	265.3	232.2	205.1	173.4	163.4	30- 40	208.1	721.5	84.1,84.1
50	22.12	25.92	32.52	37.40	30.92	23.27	21.38	20.95	40- 50	73.72	795.2	92.7,92.7
60	13.98	15.10	15.81	15.87	15.33	14.04	14.09	13.90	50- 60	16.86	812.1	94.7,94.7
70	9.527	9.985	10.22	10.33	9.938	9.569	9.737	9.420	60- 70	12.05	824.1	96.1,96.1
80	5.553	5.799	5.927	6.094	5.983	5.875	5.872	5.441	70- 80	8.258	832.4	97.1,97.1
90	1.379	1.564	2.295	2.518	1.945	1.605	1.607	1.596	80- 90	4.376	836.8	97.6,97.6
100	1.654	1.628	1.557	1.562	1.863	1.898	1.944	1.941	90-100	1.792	838.6	97.8,97.8
110	2.152	2.083	1.997	1.979	2.338	2.406	2.473	2.477	100-110	2.100	840.6	98,98
120	2.862	2.756	2.652	2.621	3.009	3.097	3.181	3.192	110-120	2.542	843.2	98.3,98.3
130	3.743	3.623	3.502	3.461	3.817	3.924	4.017	4.029	120-130	2.983	846.2	98.7,98.7
140	4.688	4.576	4.457	4.399	4.683	4.779	4.867	4.859	130-140	3.255	849.4	99.1,99.1
150	5.385	5.316	5.219	5.179	5.391	5.441	5.504	5.469	140-150	3.155	852.6	99.4,99.4
160	5.912	5.873	5.793	5.755	5.920	5.956	6.005	5.966	150-160	2.599	855.2	99.7,99.7
170	6.361	6.341	6.292	6.252	6.374	6.375	6.414	6.367	160-170	1.729	856.9	99.9,99.9
180	6.626	6.636	6.625	6.587	6.647	6.625	6.632	6.583	170-180	0.6163	857.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

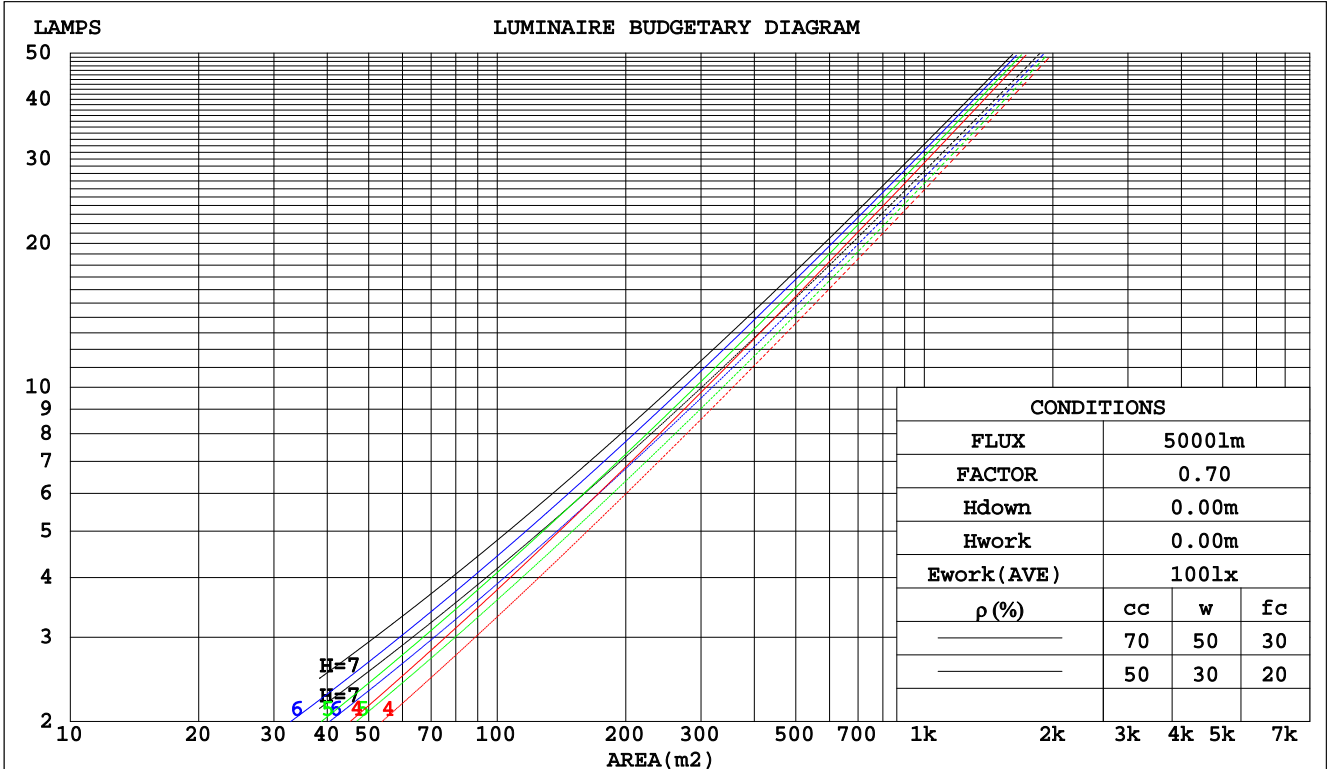
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:226.4V I:0.0440A P:8.490W PF:0.8400 Lamp Flux:857.529x1 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						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	1.06	1.04	1.07	1.04	1.02	1.02	1.00	.98	.98	.96	.95	.94	.93	.92	.90
2.0	1.00	.96	.92	.98	.94	.91	.95	.91	.89	.91	.89	.86	.88	.86	.84	.82
3.0	.93	.87	.83	.91	.86	.82	.88	.84	.80	.85	.82	.79	.83	.80	.77	.75
4.0	.86	.80	.75	.85	.79	.75	.82	.77	.73	.80	.76	.72	.78	.74	.71	.69
5.0	.80	.73	.69	.79	.73	.68	.77	.71	.67	.75	.70	.67	.73	.69	.66	.64
6.0	.74	.68	.63	.73	.67	.63	.72	.66	.62	.70	.65	.62	.68	.64	.61	.59
7.0	.69	.63	.58	.69	.62	.58	.67	.61	.58	.66	.61	.57	.64	.60	.57	.55
8.0	.65	.58	.54	.64	.58	.54	.63	.57	.53	.62	.57	.53	.60	.56	.53	.51
9.0	.61	.55	.50	.60	.54	.50	.59	.54	.50	.58	.53	.49	.57	.52	.49	.48
10.0	.57	.51	.47	.57	.51	.47	.56	.50	.46	.55	.50	.46	.54	.49	.46	.45



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:226.4V I:0.0440A P:8.490W PF:0.8400 Lamp Flux:857.529x1 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	.201	.114	.036	.193	.110	.035	.179	.103	.033	.166	.096	.031	.154	.089	.029	
2.0	.191	.105	.032	.184	.102	.031	.172	.096	.030	.161	.090	.028	.151	.085	.027	
3.0	.181	.096	.029	.175	.094	.028	.165	.089	.027	.155	.085	.026	.146	.081	.025	
4.0	.171	.089	.026	.166	.087	.026	.157	.083	.025	.149	.080	.024	.141	.076	.023	
5.0	.162	.083	.024	.158	.081	.024	.150	.078	.023	.143	.075	.022	.136	.072	.022	
6.0	.154	.077	.022	.151	.076	.022	.143	.074	.021	.137	.071	.021	.130	.069	.020	
7.0	.147	.073	.021	.144	.072	.020	.137	.069	.020	.131	.067	.020	.125	.065	.019	
8.0	.140	.069	.019	.137	.068	.019	.131	.066	.019	.126	.064	.018	.121	.062	.018	
9.0	.134	.065	.018	.131	.064	.018	.126	.062	.018	.121	.061	.017	.116	.059	.017	
10.0	.128	.061	.017	.126	.061	.017	.121	.059	.017	.116	.058	.016	.112	.056	.016	

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	.209	.209	.209	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.191	.176	.162	.164	.151	.139	.112	.104	.096	.064	.060	.056	.021	.019	.018	
2.0	.177	.151	.129	.152	.130	.111	.104	.090	.078	.060	.052	.046	.019	.017	.015	
3.0	.166	.133	.106	.142	.114	.092	.098	.079	.064	.056	.046	.038	.018	.015	.012	
4.0	.157	.118	.089	.134	.102	.077	.092	.071	.054	.053	.042	.032	.017	.014	.011	
5.0	.148	.107	.076	.127	.092	.066	.088	.065	.047	.051	.038	.028	.016	.012	.009	
6.0	.141	.098	.067	.121	.085	.058	.084	.059	.041	.049	.035	.024	.016	.011	.008	
7.0	.135	.090	.059	.116	.078	.052	.080	.055	.037	.047	.032	.022	.015	.011	.007	
8.0	.129	.084	.054	.111	.073	.047	.077	.051	.033	.045	.030	.020	.014	.010	.007	
9.0	.124	.079	.049	.107	.069	.043	.074	.048	.030	.043	.029	.018	.014	.009	.006	
10.0	.120	.075	.045	.103	.065	.040	.072	.046	.028	.042	.027	.017	.014	.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:226.4V I:0.0440A P:8.490W PF:0.8400 Lamp Flux:857.529x1 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	23.9	25.0	24.2	25.2	25.4	24.8	25.9	25.1	26.1	26.3	
	3H	23.9	24.9	24.3	25.1	25.4	24.8	25.8	25.1	26.0	26.3
	4H	24.0	24.9	24.3	25.2	25.4	24.9	25.8	25.2	26.0	26.3
	6H	24.1	24.9	24.4	25.2	25.5	24.9	25.8	25.3	26.0	26.3
	8H	24.1	24.9	24.5	25.2	25.5	25.0	25.8	25.3	26.1	26.4
	12H	24.2	25.0	24.6	25.3	25.6	25.0	25.8	25.4	26.1	26.4
4H	2H	23.7	24.6	24.1	24.9	25.2	24.6	25.5	25.0	25.8	26.1
	3H	23.9	24.6	24.2	25.0	25.3	24.7	25.5	25.1	25.8	26.1
	4H	24.0	24.7	24.4	25.0	25.4	24.8	25.5	25.2	25.9	26.2
	6H	24.2	24.8	24.6	25.2	25.6	25.0	25.6	25.4	26.0	26.4
	8H	24.3	24.9	24.7	25.3	25.7	25.1	25.6	25.5	26.0	26.4
	12H	24.5	25.0	24.9	25.4	25.8	25.2	25.7	25.6	26.1	26.6
8H	4H	24.0	24.6	24.4	25.0	25.4	24.8	25.3	25.2	25.7	26.2
	6H	24.3	24.8	24.8	25.2	25.7	25.0	25.5	25.5	25.9	26.4
	8H	24.5	24.9	25.0	25.4	25.9	25.2	25.6	25.7	26.1	26.6
	12H	24.8	25.1	25.3	25.6	26.1	25.4	25.8	25.9	26.2	26.8
12H	4H	24.0	24.5	24.4	24.9	25.4	24.7	25.3	25.2	25.7	26.1
	6H	24.3	24.7	24.8	25.2	25.7	25.0	25.4	25.5	25.9	26.4
	8H	24.5	24.9	25.1	25.4	25.9	25.2	25.6	25.7	26.1	26.6
Variations with the observer position at spacings:											
S = 1.0H	+ 1.9 / - 3.4					+ 2.2 / - 3.9					
1.5H	+ 3.9 / - 3.4					+ 4.3 / - 4.0					
2.0H	+ 2.2 / - 0.6					+ 4.7 / - 1.2					

CIE Pub.117 Corrected 857.5 lm Total Lamp Luminous Flux. (8log(F/F0) = -0.5)

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:226.4V I:0.0440A P:8.490W PF:0.8400 Lamp Flux:857.529x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

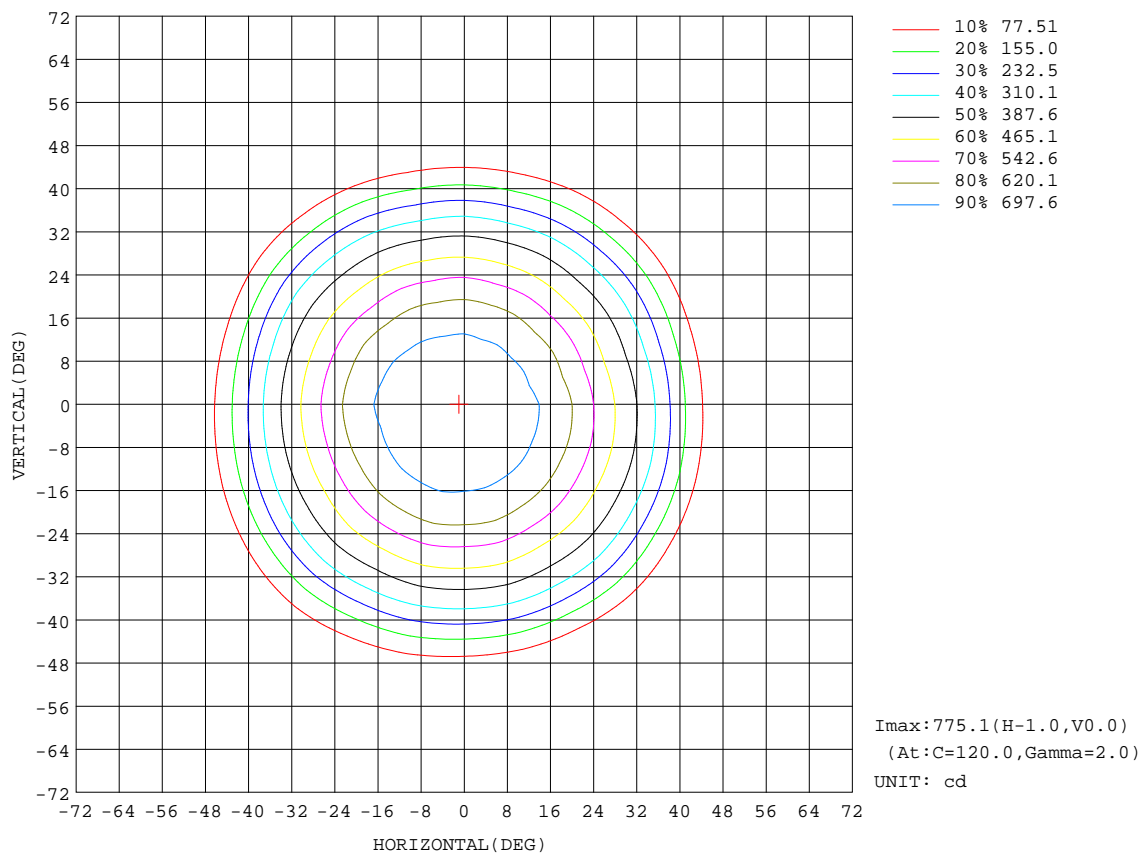
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	82	75	70	81	74	70	80	74	70	66
0.80	90	83	79	89	82	78	87	82	78	74
1.00	95	88	84	94	88	84	92	88	83	79
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	88
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:226.4V I:0.0440A P:8.490W PF:0.8400 Lamp Flux:857.529x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



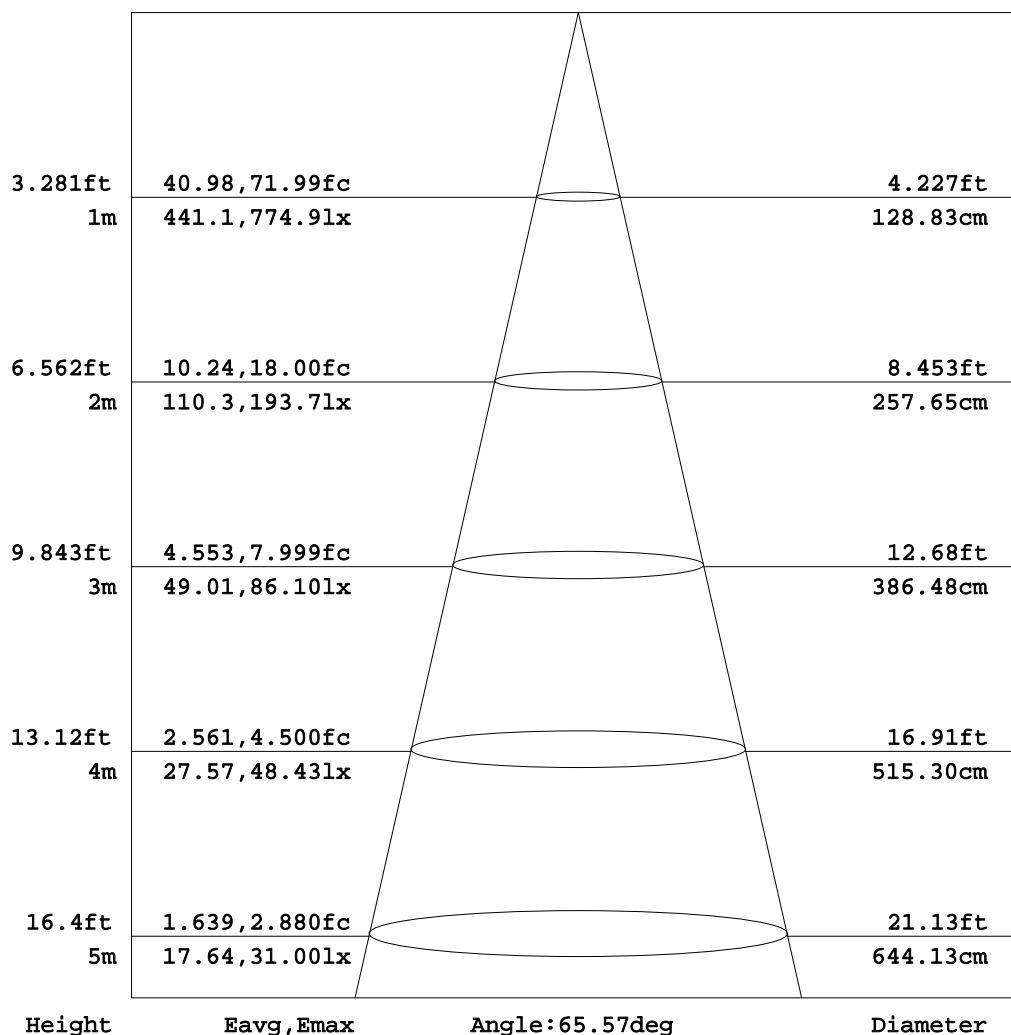
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:226.4V I:0.0440A P:8.490W PF:0.8400 Lamp Flux:857.529x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

Flux out:584.4 lm



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

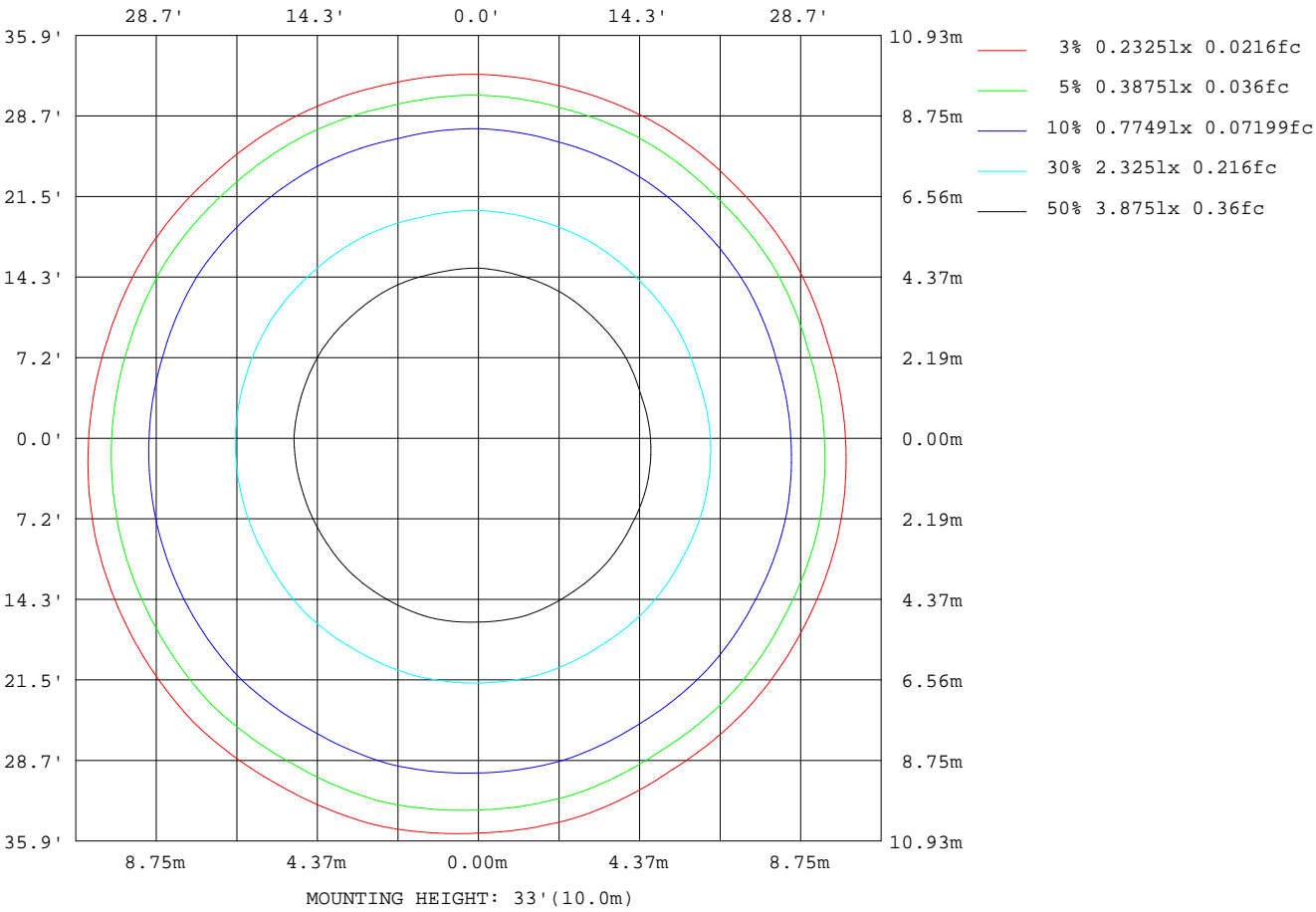
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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

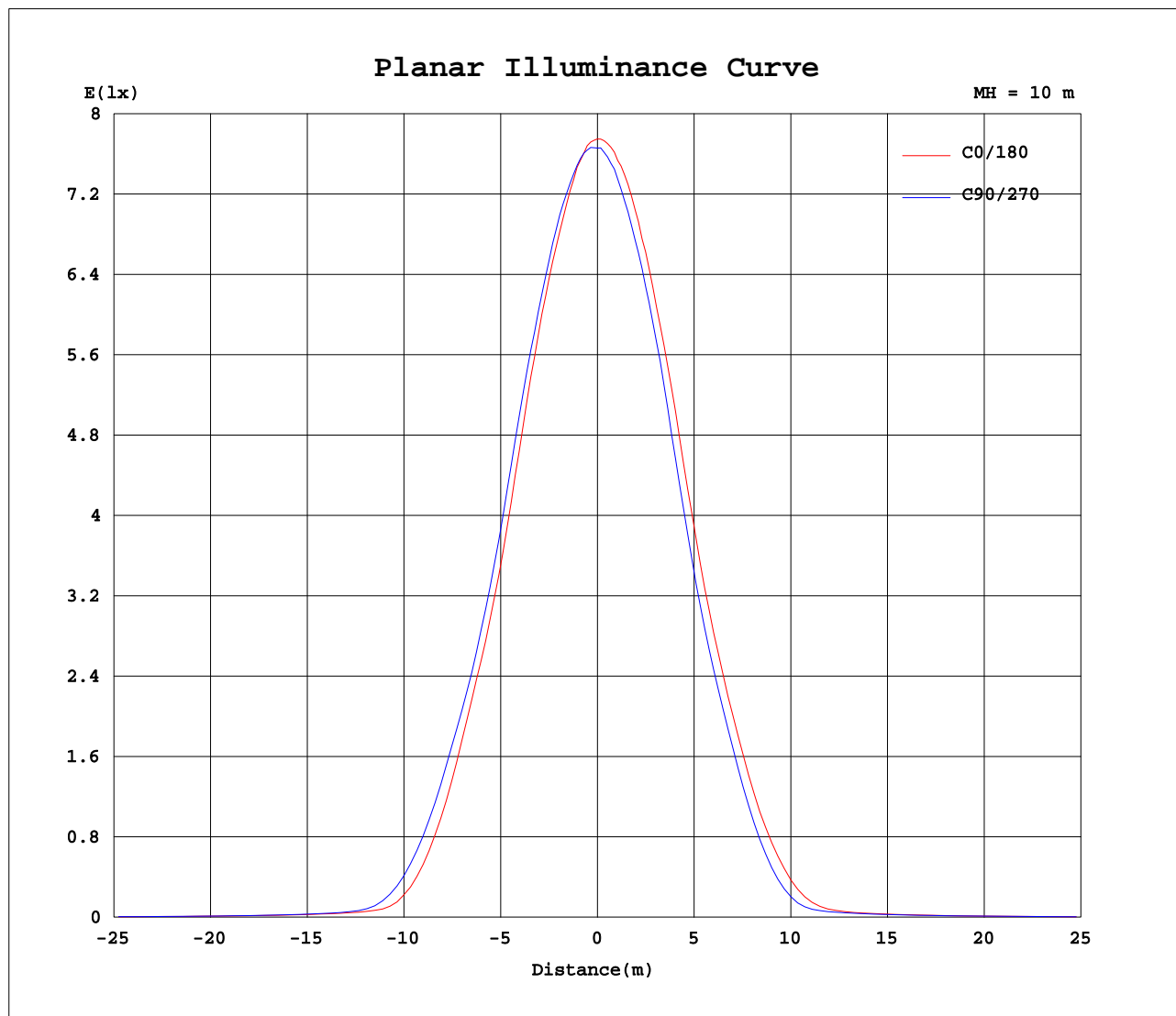
Test:U:226.4V I:0.0440A P:8.490W PF:0.8400 Lamp Flux:857.529x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



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:226.4V I:0.0440A P:8.490W PF:0.8400 Lamp Flux:857.529x1 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	768	768	768	768	768	768	768	768	768	768	768	768	768	768	768	768	768	768	768
5	755	756	759	762	764	765	766	767	766	768	764	766	764	760	760	757	756	753	755
10	723	727	732	736	739	743	746	747	748	749	747	751	745	737	736	728	728	722	723
15	680	685	689	696	701	706	710	716	717	715	712	714	710	700	698	688	686	679	680
20	614	621	627	638	644	654	657	662	663	665	658	659	655	645	640	627	623	613	612
25	517	528	536	547	556	571	573	582	579	580	574	577	568	557	552	535	529	515	514
30	420	433	439	451	457	471	474	481	477	480	471	474	467	457	450	434	425	413	412
35	318	335	342	354	360	374	376	382	377	382	377	372	363	353	348	333	324	308	308
40	181	198	209	226	234	250	255	262	259	265	256	249	232	225	221	205	193	176	173
45	62.8	71.7	77.3	88.5	94.0	110	117	127	125	129	122	116	104	93.7	88.2	74.7	68.2	60.9	58.1
50	22.1	23.2	24.4	25.9	27.3	30.9	32.5	35.8	35.9	37.4	35.1	34.6	30.9	26.9	25.2	23.3	23.0	21.9	21.4
55	17.0	17.4	17.8	18.4	18.7	19.2	19.5	19.8	19.8	19.9	19.8	20.2	19.4	18.1	17.6	17.2	17.3	17.2	17.1
60	14.0	14.4	14.7	15.1	15.3	15.7	15.8	16.0	15.9	15.9	15.7	16.0	15.3	14.7	14.4	14.0	14.1	14.0	14.1
65	11.5	11.9	12.1	12.3	12.5	12.7	12.8	12.9	12.9	12.8	12.6	12.7	12.3	12.0	11.9	11.6	11.7	11.6	11.7
70	9.53	9.80	9.81	9.98	10.0	10.2	10.2	10.4	10.3	10.3	10.1	10.2	9.94	9.77	9.75	9.57	9.68	9.65	9.74
75	7.49	7.69	7.74	7.82	7.85	8.02	8.05	8.16	8.09	8.12	8.05	8.08	7.93	7.74	7.77	7.69	7.77	7.84	7.68
80	5.55	5.73	5.73	5.80	6.10	5.97	5.93	6.05	6.01	6.09	6.27	6.00	5.98	5.86	5.91	5.87	6.26	6.08	5.87
85	4.01	4.17	4.13	4.14	4.34	4.17	4.18	4.31	4.31	4.36	4.43	4.33	4.37	4.31	4.37	4.35	4.67	4.52	4.32
90	1.38	1.38	1.38	1.56	1.90	2.18	2.29	2.47	2.48	2.52	2.49	2.33	1.94	1.67	1.59	1.61	1.77	1.63	1.61
95	1.48	1.49	1.47	1.48	1.57	1.46	1.41	1.43	1.41	1.43	1.51	1.49	1.70	1.69	1.72	1.72	1.83	1.75	1.75
100	1.65	1.65	1.62	1.63	1.66	1.60	1.56	1.57	1.54	1.56	1.59	1.63	1.86	1.86	1.90	1.90	1.96	1.93	1.94
105	1.87	1.86	1.85	1.83	1.84	1.78	1.75	1.75	1.74	1.74	1.77	1.81	2.07	2.08	2.11	2.13	2.18	2.16	2.19
110	2.15	2.13	2.10	2.08	2.06	2.03	2.00	1.99	1.97	1.98	2.00	2.04	2.34	2.34	2.38	2.41	2.44	2.45	2.47
115	2.48	2.45	2.41	2.39	2.36	2.33	2.30	2.29	2.27	2.27	2.29	2.33	2.65	2.66	2.70	2.73	2.77	2.78	2.81
120	2.86	2.82	2.79	2.76	2.73	2.68	2.65	2.63	2.62	2.62	2.64	2.68	3.01	3.03	3.06	3.10	3.14	3.16	3.18
125	3.29	3.24	3.21	3.18	3.14	3.09	3.05	3.04	3.02	3.02	3.04	3.09	3.40	3.41	3.47	3.49	3.55	3.55	3.59
130	3.74	3.70	3.66	3.62	3.58	3.53	3.50	3.48	3.47	3.46	3.48	3.53	3.82	3.83	3.89	3.92	3.97	3.98	4.02
135	4.22	4.19	4.14	4.10	4.06	4.00	3.98	3.95	3.93	3.93	3.95	4.00	4.25	4.27	4.32	4.35	4.40	4.42	4.46
140	4.69	4.65	4.60	4.58	4.54	4.49	4.46	4.43	4.41	4.40	4.42	4.46	4.68	4.69	4.75	4.78	4.82	4.84	4.87
145	5.08	5.06	5.02	5.01	4.96	4.92	4.88	4.86	4.84	4.84	4.84	4.89	5.07	5.08	5.12	5.14	5.19	5.19	5.22
150	5.38	5.38	5.34	5.32	5.28	5.27	5.22	5.22	5.18	5.18	5.18	5.21	5.39	5.39	5.43	5.44	5.48	5.48	5.50
155	5.65	5.64	5.61	5.60	5.56	5.56	5.52	5.52	5.48	5.48	5.47	5.50	5.66	5.66	5.70	5.73	5.75	5.75	5.76
160	5.91	5.91	5.88	5.87	5.84	5.82	5.79	5.79	5.76	5.76	5.73	5.75	5.92	5.91	5.96	5.96	5.99	5.98	6.00
165	6.14	6.14	6.12	6.12	6.08	6.07	6.06	6.05	6.02	6.01	5.99	6.01	6.16	6.15	6.19	6.18	6.21	6.20	6.22
170	6.36	6.36	6.34	6.34	6.33	6.32	6.29	6.29	6.26	6.25	6.23	6.25	6.37	6.36	6.39	6.38	6.41	6.40	6.41
175	6.53	6.54	6.52	6.53	6.51	6.52	6.50	6.49	6.47	6.46	6.43	6.46	6.54	6.51	6.56	6.53	6.56	6.54	6.55
180	6.63	6.63	6.63	6.64	6.63	6.64	6.62	6.62	6.61	6.59	6.57	6.58	6.65	6.62	6.64	6.62	6.64	6.63	6.63

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:226.4V I:0.0440A P:8.490W PF:0.8400 Lamp Flux:857.529x1 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	768	768	768	768	768														
5	754	755	752	753	754														
10	720	722	719	721	722														
15	674	676	672	675	676														
20	605	604	598	605	607														
25	504	505	501	507	509														
30	404	406	401	409	411														
35	297	299	294	301	305														
40	165	167	163	169	170														
45	53.1	54.7	51.9	56.1	55.1														
50	21.0	21.2	20.9	21.3	21.4														
55	16.9	17.1	16.8	17.0	17.0														
60	13.9	14.1	13.9	13.9	14.0														
65	11.6	11.6	11.4	11.5	11.5														
70	9.62	9.64	9.42	9.47	9.51														
75	7.50	7.49	7.31	7.62	7.56														
80	5.68	5.59	5.44	5.73	5.67														
85	4.03	3.88	3.70	4.01	4.12														
90	1.59	1.61	1.60	1.70	1.65														
95	1.74	1.76	1.75	1.79	1.78														
100	1.94	1.96	1.94	1.98	1.96														
105	2.19	2.20	2.19	2.21	2.19														
110	2.48	2.49	2.48	2.48	2.47														
115	2.82	2.83	2.81	2.82	2.80														
120	3.19	3.21	3.19	3.20	3.18														
125	3.60	3.61	3.61	3.61	3.58														
130	4.03	4.04	4.03	4.02	4.01														
135	4.45	4.48	4.46	4.45	4.43														
140	4.88	4.88	4.86	4.86	4.83														
145	5.21	5.22	5.20	5.19	5.18														
150	5.49	5.50	5.47	5.47	5.45														
155	5.76	5.75	5.73	5.71	5.70														
160	5.98	5.99	5.97	5.96	5.94														
165	6.20	6.21	6.17	6.17	6.15														
170	6.39	6.39	6.37	6.36	6.34														
175	6.53	6.54	6.50	6.50	6.49														
180	6.61	6.61	6.58	6.57	6.58														

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: