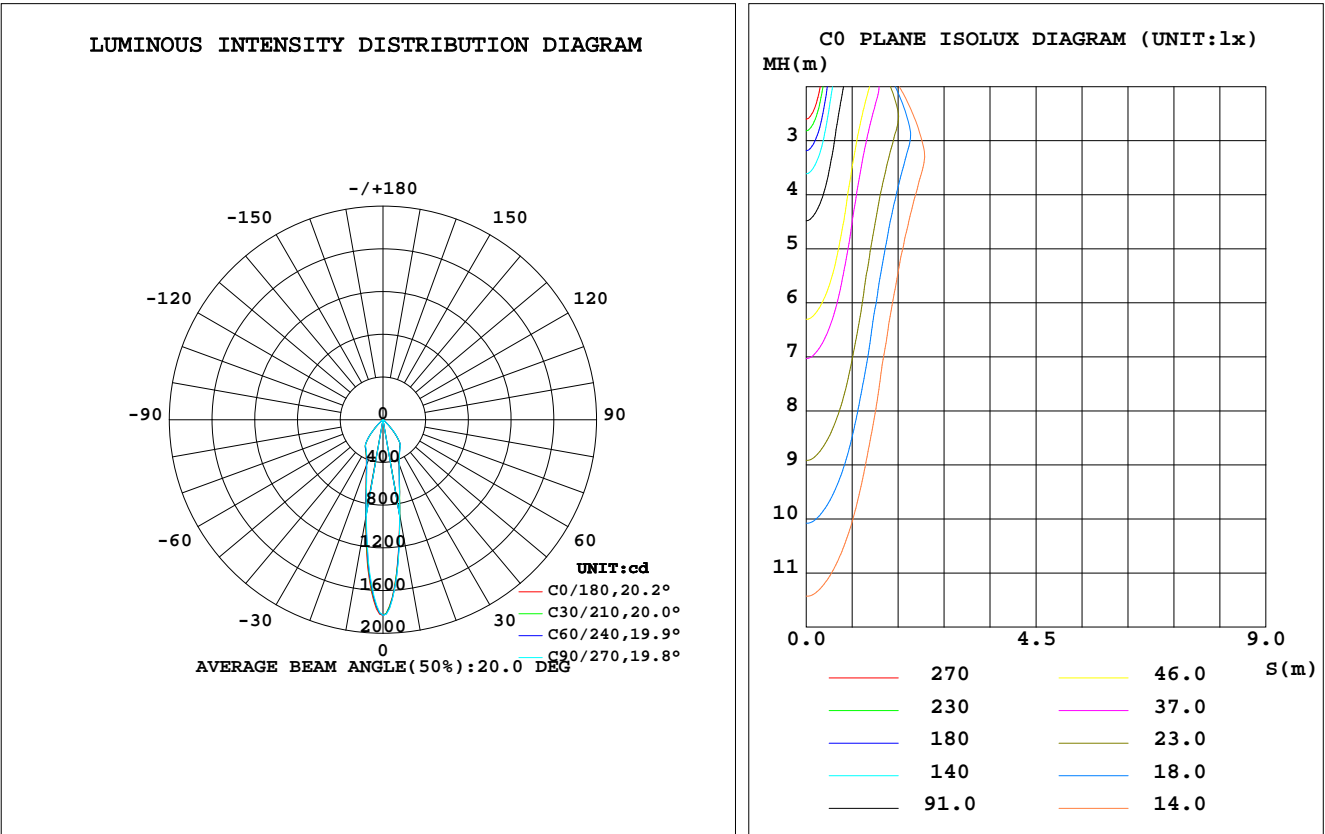


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:226.4V I:0.0440A P:8.520W PF:0.8400 Lamp Flux:754.477x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.55 lm/W			
MODEL	M021-9W-827-S-16	Imax(cd)	1836	S/MH(C0/180)	0.33
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)	0.33
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	754.48	η UP,DN(C0-180)	1.1,49.2
NOMINAL FLUX(lm)	754.477	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.2,48.4
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	904.9	922.8	905.4	950.3	946.8	908.3	908.4	878.5	0- 10	121.1	121.1	16,16
20	442.2	448.7	446.6	464.6	459.2	447.5	443.7	435.6	10- 20	171.0	292.1	38.7,38.7
30	312.9	317.4	318.7	327.6	325.6	324.2	316.8	309.5	20- 30	170.7	462.7	61.3,61.3
40	189.9	195.6	193.5	200.4	193.5	195.6	197.2	186.2	30- 40	169.5	632.2	83.8,83.8
50	24.29	25.96	26.50	28.13	26.73	25.68	24.11	24.09	40- 50	71.28	703.5	93.2,93.2
60	10.19	10.66	11.11	11.61	11.44	11.09	10.25	10.38	50- 60	14.09	717.6	95.1,95.1
70	6.909	6.962	7.139	7.448	7.210	7.036	6.842	6.892	60- 70	8.620	726.2	96.3,96.3
80	5.291	5.100	4.868	5.062	5.000	4.997	5.121	5.238	70- 80	6.329	732.5	97.1,97.1
90	1.191	1.208	1.187	1.179	1.376	1.395	1.381	1.398	80- 90	4.100	736.6	97.6,97.6
100	1.294	1.312	1.287	1.296	1.643	1.634	1.646	1.646	90-100	1.483	738.1	97.8,97.8
110	1.738	1.742	1.708	1.712	2.016	2.015	2.024	2.035	100-110	1.754	739.9	98.1,98.1
120	2.279	2.280	2.253	2.246	2.510	2.513	2.524	2.542	110-120	2.103	742.0	98.3,98.3
130	3.109	3.096	3.058	3.046	3.276	3.300	3.307	3.342	120-130	2.470	744.4	98.7,98.7
140	4.128	4.117	4.078	4.082	4.211	4.251	4.245	4.272	130-140	2.852	747.3	99,99
150	4.730	4.732	4.689	4.705	4.791	4.799	4.806	4.816	140-150	2.817	750.1	99.4,99.4
160	5.195	5.206	5.177	5.191	5.260	5.253	5.251	5.267	150-160	2.302	752.4	99.7,99.7
170	5.566	5.585	5.564	5.578	5.610	5.603	5.600	5.603	160-170	1.535	753.9	99.9,99.9
180	5.676	5.681	5.655	5.671	5.673	5.683	5.655	5.671	170-180	0.5372	754.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

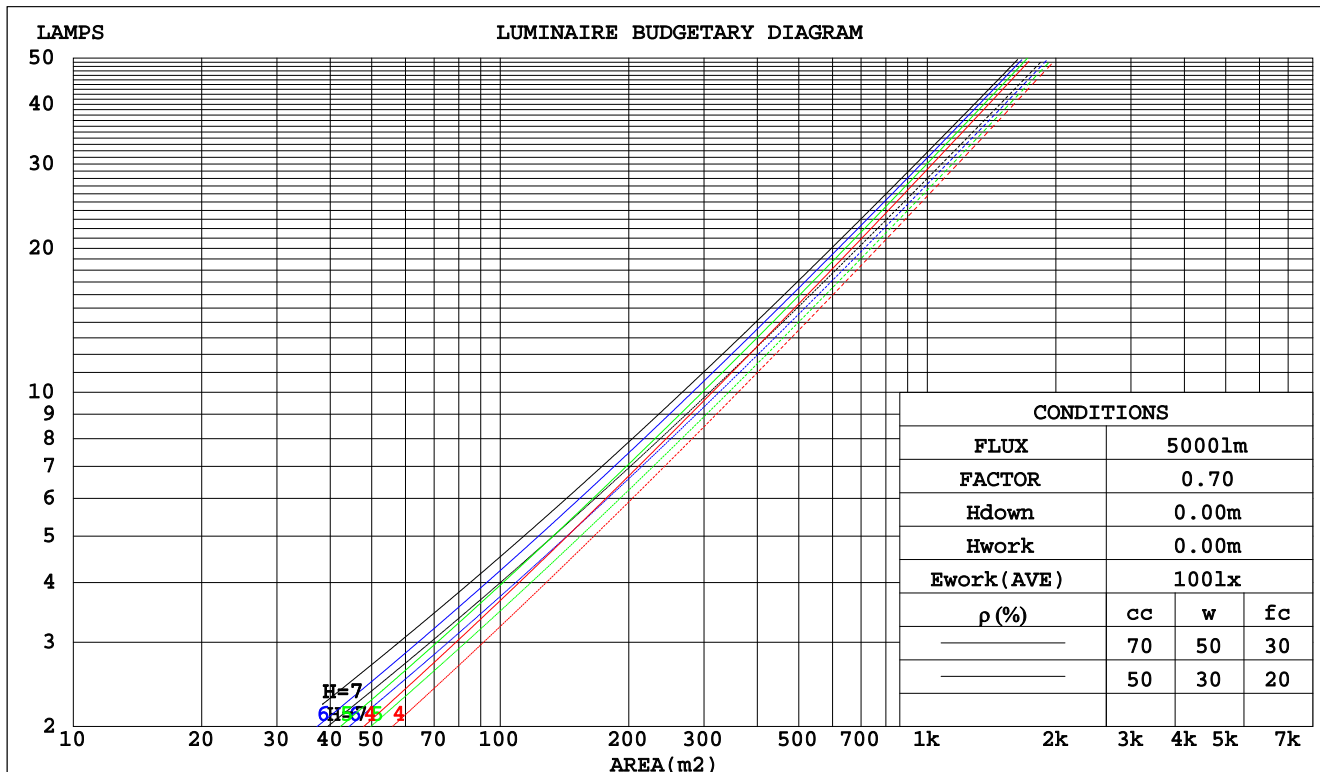
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:8.520W PF:0.8400 Lamp Flux:754.477x1 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	.93	.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	.82	.78	.75	.79	.76	.73	.72
5.0	.82	.76	.71	.81	.75	.71	.79	.74	.70	.77	.73	.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	.59
8.0	.68	.62	.58	.67	.62	.58	.66	.61	.57	.65	.60	.57	.64	.60	.56	.55
9.0	.64	.58	.54	.64	.58	.54	.63	.57	.54	.62	.57	.54	.61	.56	.53	.52
10.0	.61	.55	.51	.61	.55	.51	.60	.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:226.4V I:0.0440A P:8.520W PF:0.8400 Lamp Flux:754.477x1 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	.193	.109	.035	.185	.106	.034	.171	.098	.031	.158	.091	.029	.146	.085	.027		
2.0	.182	.100	.031	.176	.097	.030	.164	.091	.028	.153	.086	.027	.143	.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	.069	.020	.129	.067	.020	.123	.065	.019		
7.0	.139	.069	.019	.136	.068	.019	.130	.065	.019	.124	.063	.018	.118	.061	.018		
8.0	.132	.065	.018	.129	.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	
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	.178	.178	.178	.122	.122	.122	.070	.070	.070	.022	.022	.022		
1.0	.190	.175	.162	.163	.150	.139	.111	.104	.096	.064	.060	.056	.021	.019	.018		
2.0	.176	.151	.130	.151	.130	.112	.103	.090	.078	.060	.052	.046	.019	.017	.015		
3.0	.164	.132	.107	.141	.114	.092	.097	.079	.065	.056	.046	.038	.018	.015	.013		
4.0	.154	.118	.090	.132	.102	.078	.091	.071	.055	.053	.041	.032	.017	.013	.011		
5.0	.145	.106	.077	.125	.092	.067	.086	.064	.047	.050	.038	.028	.016	.012	.009		
6.0	.138	.097	.067	.119	.084	.059	.082	.059	.042	.047	.035	.025	.015	.011	.008		
7.0	.132	.089	.060	.113	.078	.052	.078	.054	.037	.045	.032	.022	.015	.010	.007		
8.0	.126	.083	.054	.108	.072	.047	.075	.051	.034	.044	.030	.020	.014	.010	.007		
9.0	.120	.078	.050	.104	.068	.043	.072	.048	.031	.042	.028	.018	.014	.009	.006		
10.0	.116	.074	.046	.100	.064	.040	.069	.045	.028	.040	.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:226.4V I:0.0440A P:8.520W PF:0.8400 Lamp Flux:754.477x1 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	23.4	24.4	23.7	24.6	24.8	23.5	24.5	23.8	24.7	24.9
	3H	23.4	24.3	23.7	24.5	24.8	23.5	24.4	23.8	24.6	24.9
	4H	23.4	24.3	23.7	24.5	24.8	23.5	24.4	23.8	24.6	24.9
	6H	23.5	24.3	23.8	24.6	24.9	23.6	24.4	23.9	24.7	25.0
	8H	23.6	24.4	23.9	24.7	25.0	23.7	24.4	24.0	24.7	25.0
	12H	23.7	24.5	24.1	24.8	25.1	23.7	24.5	24.1	24.8	25.1
4H	2H	23.2	24.1	23.5	24.3	24.6	23.3	24.2	23.6	24.4	24.7
	3H	23.2	24.0	23.6	24.3	24.6	23.4	24.1	23.7	24.4	24.7
	4H	23.3	24.0	23.7	24.3	24.7	23.4	24.1	23.8	24.4	24.8
	6H	23.5	24.1	24.0	24.5	24.9	23.6	24.2	24.0	24.6	25.0
	8H	23.7	24.3	24.1	24.7	25.1	23.7	24.3	24.2	24.7	25.1
	12H	24.0	24.5	24.4	24.9	25.3	23.9	24.4	24.4	24.8	25.3
8H	4H	23.3	23.8	23.7	24.2	24.7	23.4	23.9	23.8	24.3	24.8
	6H	23.6	24.1	24.1	24.5	25.0	23.7	24.1	24.2	24.6	25.0
	8H	23.9	24.3	24.4	24.8	25.3	23.9	24.3	24.4	24.8	25.3
	12H	24.3	24.7	24.8	25.2	25.7	24.3	24.6	24.8	25.1	25.6
12H	4H	23.3	23.8	23.7	24.2	24.6	23.4	23.9	23.8	24.3	24.7
	6H	23.7	24.0	24.1	24.5	25.0	23.7	24.1	24.2	24.6	25.1
	8H	24.0	24.3	24.5	24.8	25.3	24.0	24.3	24.5	24.8	25.3
Variations with the observer position at spacings:											
S = 1.0H	+ 1.9 / - 3.8					+ 2.0 / - 4.0					
1.5H	+ 3.9 / - 3.9					+ 4.0 / - 4.0					
2.0H	+ 4.2 / - 1.0					+ 4.4 / - 1.1					

CIE Pub.117 Corrected 754.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.0)

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:8.520W PF:0.8400 Lamp Flux:754.477x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

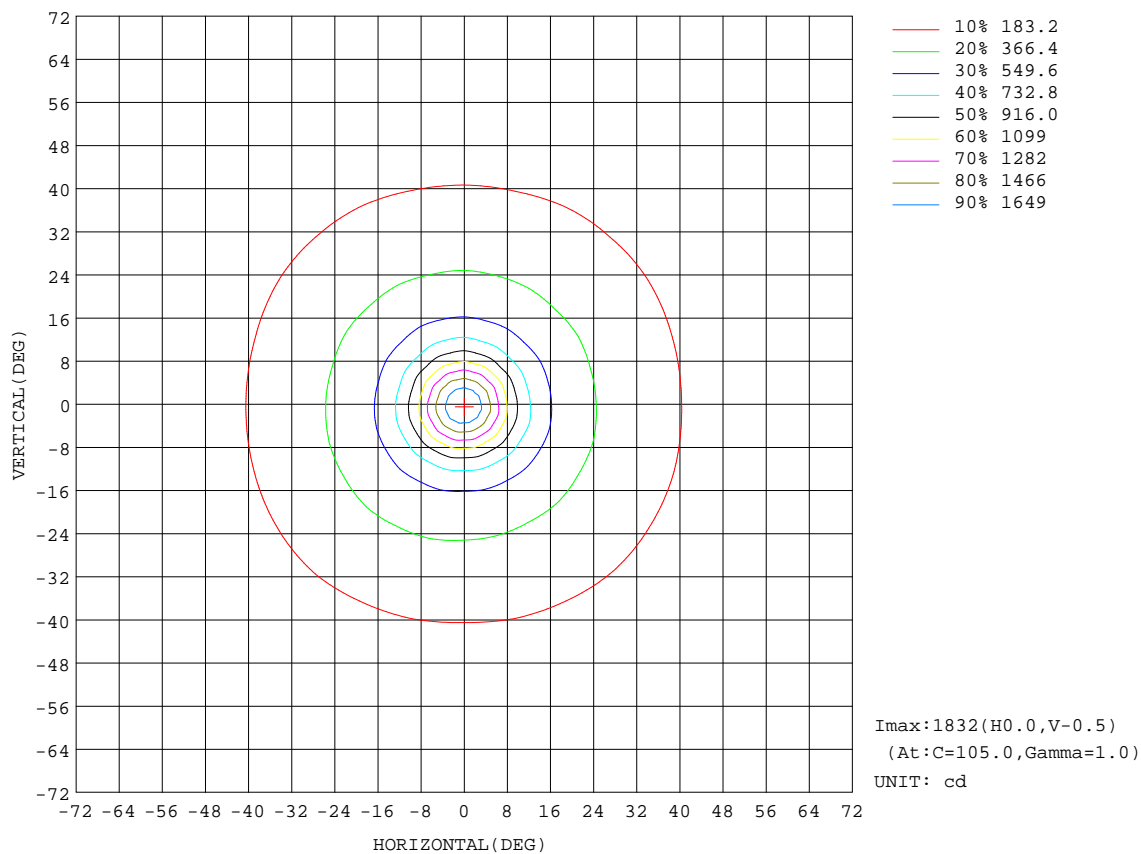
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	81	74	70	81	74	70	80	74	70	65
0.80	90	83	78	89	82	78	87	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	108	106	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:8.520W PF:0.8400 Lamp Flux:754.477x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



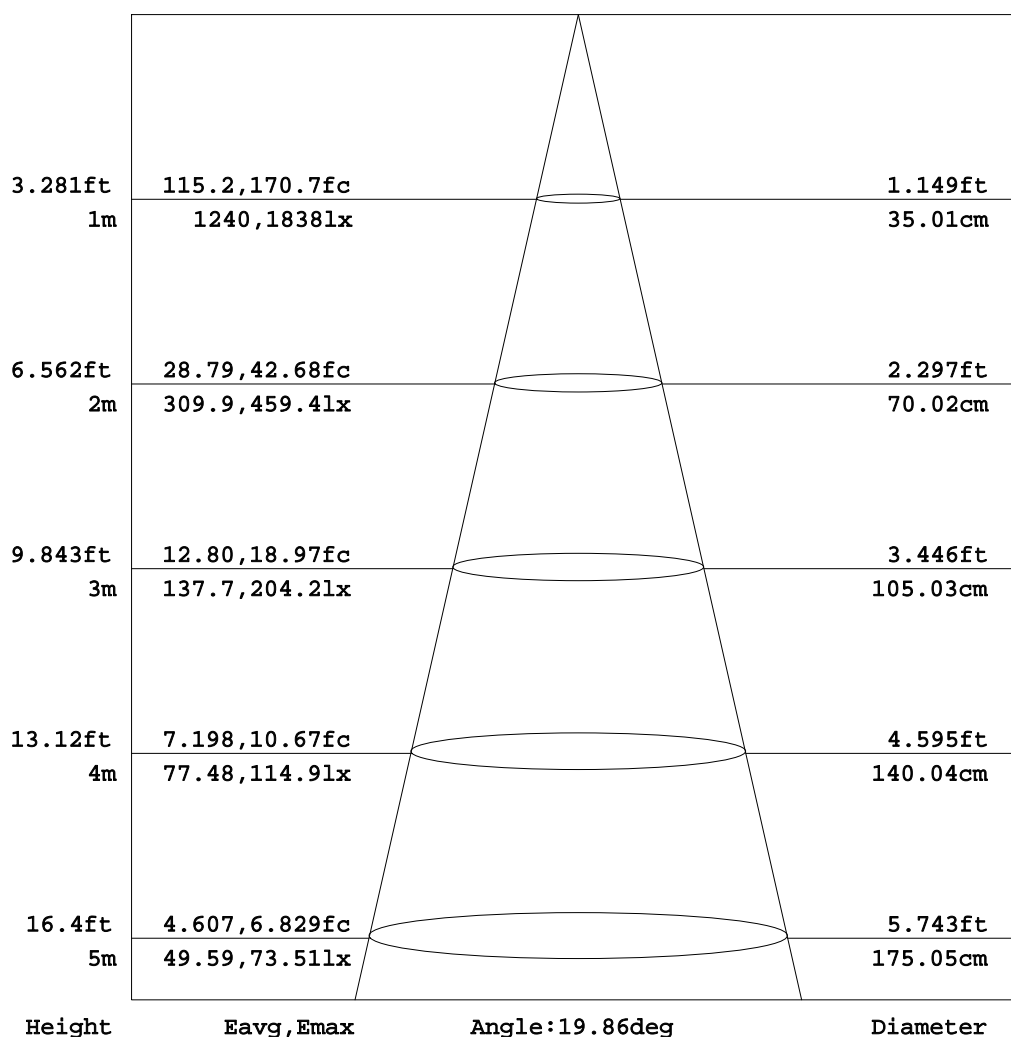
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:8.520W PF:0.8400 Lamp Flux:754.477x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

Flux out:121.1 lm



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

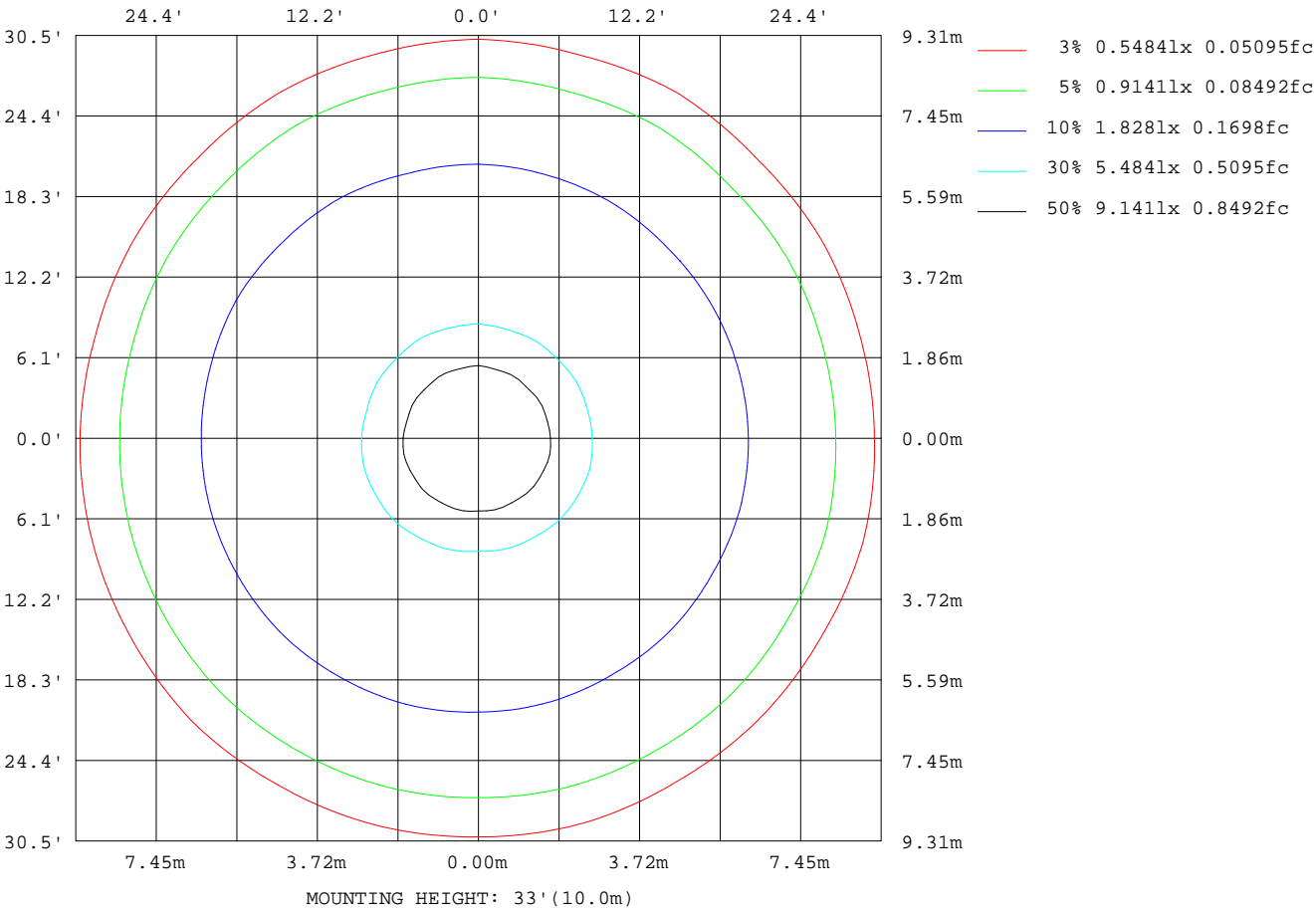
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2015-12-07

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

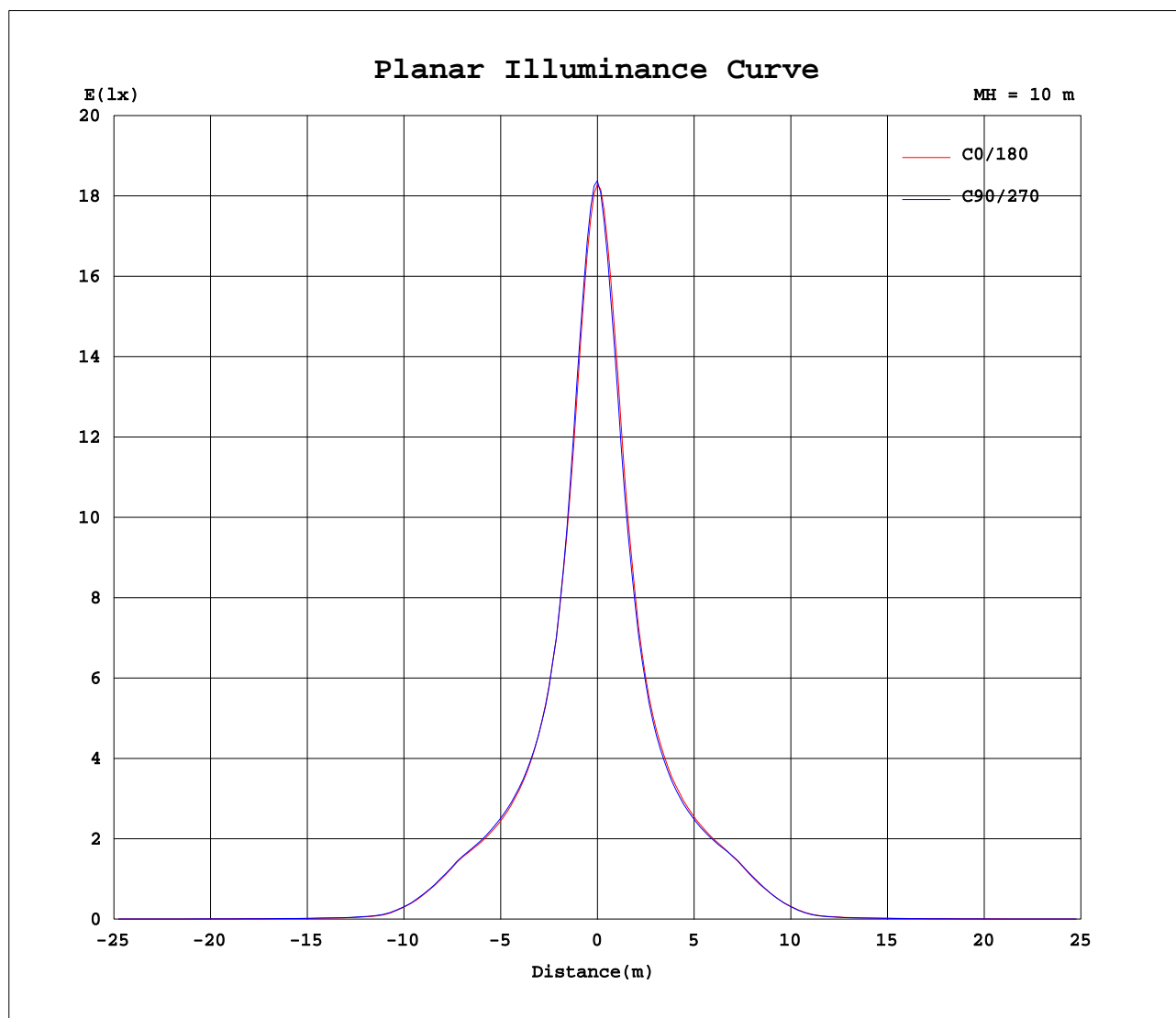
Test:U:226.4V I:0.0440A P:8.520W PF:0.8400 Lamp Flux:754.477x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



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:8.520W PF:0.8400 Lamp Flux:754.477x1 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	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832
5	1448	1471	1451	1479	1472	1487	1475	1507	1494	1514	1500	1505	1494	1465	1471	1449	1459	1433	1439
10	905	919	908	923	906	918	905	934	928	950	940	957	947	920	929	908	919	902	908
15	595	605	599	602	591	597	588	605	604	620	615	621	614	602	606	597	605	594	594
20	442	448	445	449	444	447	447	456	455	465	462	462	459	451	452	448	451	444	444
25	360	365	362	366	363	367	368	375	373	379	376	377	375	371	372	368	368	364	363
30	313	315	314	317	316	319	319	324	324	328	326	327	326	326	325	324	322	319	317
35	280	280	278	280	280	283	282	287	284	287	285	285	284	285	288	285	288	286	285
40	190	196	192	196	194	196	193	197	198	200	198	196	193	192	196	196	201	196	197
45	85.4	86.7	83.2	83.9	83.1	87.9	88.2	93.0	91.0	96.2	92.5	92.5	90.6	84.0	86.3	81.6	86.4	83.8	87.8
50	24.3	24.8	24.9	26.0	25.7	26.6	26.5	27.2	27.1	28.1	27.8	27.4	26.7	25.7	26.3	25.7	25.5	23.9	24.1
55	13.9	14.0	14.1	14.7	14.7	15.4	15.4	15.9	15.7	16.1	16.1	16.2	15.8	15.5	15.5	15.2	15.0	14.3	14.1
60	10.2	10.3	10.4	10.7	10.8	11.0	11.1	11.4	11.4	11.6	11.6	11.7	11.4	11.2	11.2	11.1	11.0	10.5	10.2
65	8.16	8.23	8.24	8.43	8.47	8.68	8.69	8.98	9.01	9.17	9.13	9.08	8.89	8.75	8.77	8.68	8.63	8.36	8.20
70	6.91	6.93	6.89	6.96	6.99	7.11	7.14	7.33	7.34	7.45	7.39	7.35	7.21	7.09	7.08	7.04	7.04	6.93	6.84
75	5.96	5.95	5.94	5.93	5.90	5.94	5.89	6.03	6.01	6.11	6.13	6.07	5.98	5.89	5.88	5.88	5.92	5.88	5.84
80	5.29	5.23	5.15	5.10	4.99	4.94	4.87	4.93	4.94	5.06	5.13	5.06	5.00	4.94	4.94	5.00	5.07	5.14	5.12
85	4.41	4.46	4.35	4.25	4.09	4.01	3.90	3.96	3.97	4.11	4.20	4.14	4.11	4.02	4.05	4.11	4.22	4.19	4.18
90	1.19	1.18	1.19	1.21	1.20	1.21	1.19	1.19	1.19	1.18	1.22	1.18	1.38	1.38	1.38	1.39	1.39	1.39	1.38
95	1.20	1.20	1.20	1.22	1.21	1.21	1.19	1.21	1.21	1.20	1.22	1.20	1.49	1.48	1.49	1.48	1.50	1.48	1.49
100	1.29	1.31	1.29	1.31	1.29	1.30	1.29	1.30	1.29	1.30	1.30	1.30	1.64	1.63	1.64	1.63	1.65	1.63	1.65
105	1.49	1.50	1.48	1.50	1.48	1.49	1.47	1.48	1.47	1.48	1.47	1.48	1.82	1.81	1.81	1.82	1.83	1.82	1.82
110	1.74	1.74	1.73	1.74	1.72	1.73	1.71	1.72	1.70	1.71	1.71	1.71	2.02	2.00	2.01	2.01	2.02	2.02	2.02
115	1.99	2.00	1.99	2.00	1.98	1.98	1.96	1.98	1.96	1.96	1.96	1.96	2.25	2.23	2.25	2.24	2.25	2.26	2.26
120	2.28	2.28	2.27	2.28	2.26	2.26	2.25	2.26	2.23	2.25	2.24	2.25	2.51	2.50	2.51	2.51	2.52	2.52	2.52
125	2.64	2.63	2.63	2.63	2.62	2.62	2.60	2.61	2.59	2.59	2.59	2.60	2.85	2.85	2.85	2.86	2.86	2.87	2.87
130	3.11	3.10	3.10	3.10	3.08	3.08	3.06	3.08	3.05	3.05	3.05	3.05	3.28	3.28	3.28	3.30	3.30	3.31	3.31
135	3.66	3.64	3.64	3.63	3.62	3.61	3.59	3.60	3.59	3.58	3.59	3.58	3.77	3.76	3.77	3.79	3.79	3.80	3.80
140	4.13	4.12	4.10	4.12	4.11	4.10	4.08	4.11	4.08	4.08	4.08	4.07	4.21	4.22	4.21	4.25	4.23	4.25	4.25
145	4.47	4.48	4.46	4.47	4.46	4.46	4.43	4.47	4.43	4.44	4.44	4.45	4.55	4.55	4.55	4.56	4.56	4.57	4.56
150	4.73	4.72	4.71	4.73	4.72	4.71	4.69	4.73	4.70	4.70	4.70	4.70	4.79	4.79	4.79	4.80	4.80	4.81	4.81
155	4.96	4.96	4.94	4.96	4.95	4.95	4.92	4.96	4.94	4.95	4.94	4.94	5.02	5.01	5.01	5.02	5.02	5.03	5.02
160	5.20	5.21	5.18	5.21	5.18	5.21	5.18	5.22	5.18	5.19	5.19	5.20	5.26	5.25	5.25	5.25	5.25	5.26	5.25
165	5.42	5.42	5.41	5.43	5.41	5.44	5.40	5.45	5.41	5.43	5.41	5.42	5.47	5.46	5.46	5.47	5.47	5.47	5.45
170	5.57	5.58	5.56	5.58	5.57	5.59	5.56	5.60	5.57	5.58	5.57	5.58	5.61	5.60	5.60	5.60	5.61	5.60	5.60
175	5.62	5.63	5.62	5.63	5.63	5.64	5.61	5.65	5.62	5.63	5.63	5.63	5.65	5.65	5.65	5.65	5.65	5.66	5.63
180	5.68	5.67	5.67	5.68	5.67	5.68	5.66	5.69	5.67	5.67	5.67	5.67	5.67	5.68	5.66	5.68	5.67	5.68	5.66

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:8.520W PF:0.8400 Lamp Flux:754.477x1 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	1832	1832	1832	1832	1832														
5	1425	1433	1414	1444	1425														
10	892	895	879	896	889														
15	585	587	582	590	587														
20	440	440	436	441	439														
25	361	359	356	359	357														
30	316	313	310	311	312														
35	281	279	275	277	277														
40	191	195	186	190	189														
45	84.3	87.2	82.2	85.6	82.4														
50	23.9	24.3	24.1	24.8	24.1														
55	13.9	14.0	13.8	14.1	13.9														
60	10.2	10.3	10.4	10.6	10.3														
65	8.17	8.22	8.28	8.46	8.30														
70	6.84	6.86	6.89	7.03	6.98														
75	5.85	5.85	5.88	5.96	5.99														
80	5.16	5.17	5.24	5.33	5.36														
85	4.16	4.20	4.24	4.43	4.43														
90	1.40	1.39	1.40	1.42	1.40														
95	1.49	1.50	1.49	1.52	1.49														
100	1.65	1.66	1.65	1.67	1.64														
105	1.83	1.84	1.82	1.85	1.83														
110	2.04	2.04	2.04	2.05	2.04														
115	2.26	2.27	2.26	2.28	2.27														
120	2.54	2.54	2.54	2.55	2.55														
125	2.89	2.88	2.89	2.90	2.89														
130	3.33	3.33	3.34	3.34	3.35														
135	3.83	3.82	3.83	3.83	3.83														
140	4.27	4.26	4.27	4.27	4.27														
145	4.59	4.59	4.58	4.60	4.59														
150	4.82	4.82	4.82	4.83	4.82														
155	5.05	5.03	5.03	5.04	5.04														
160	5.27	5.26	5.27	5.28	5.26														
165	5.49	5.47	5.47	5.48	5.47														
170	5.63	5.61	5.60	5.62	5.60														
175	5.67	5.64	5.65	5.65	5.64														
180	5.70	5.67	5.67	5.67	5.67														

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: