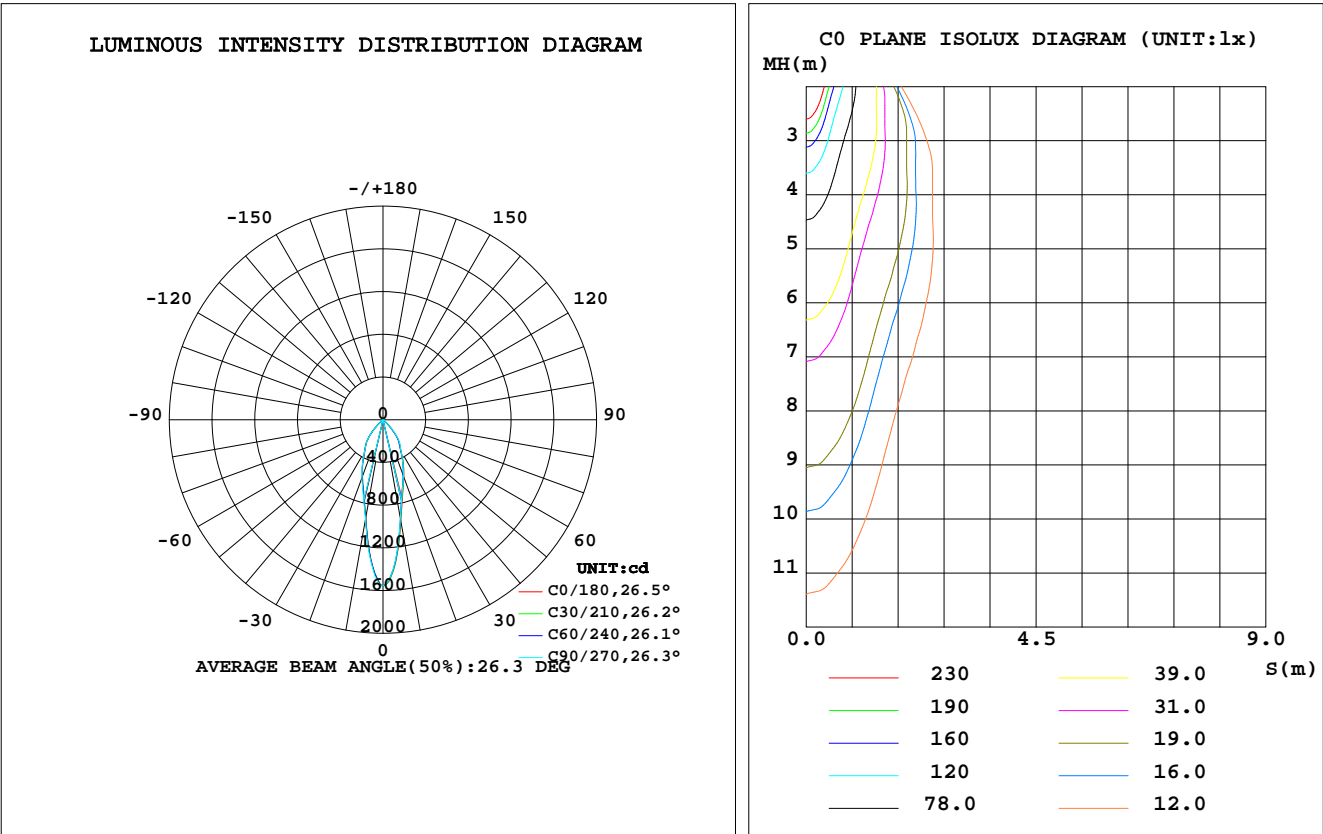


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:226.4V I:0.0440A P:8.510W PF:0.8400 Lamp Flux:816.624x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.96 lm/W			
MODEL	M021-9W-830-S-28	Imax(cd)	1556	S/MH(C0/180)	0.44
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)	0.42
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	816.63	η UP,DN(C0-180)	1.2,48.5
NOMINAL FLUX(lm)	816.624	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.3,49.1
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	226.5	η down(%)	97.6	CIBSE SHR MAX	0.55



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	964.8	958.2	939.0	930.4	930.0	925.7	945.4	957.4	0- 10	113.8	113.8	13.9,13.9
20	570.2	562.5	556.6	553.4	563.3	565.3	575.3	569.5	10- 20	199.3	313.1	38.3,38.3
30	339.2	339.7	337.6	339.5	339.8	347.1	347.7	344.4	20- 30	204.6	517.7	63.4,63.4
40	187.0	189.0	193.2	194.4	193.6	190.3	192.3	192.6	30- 40	168.9	686.7	84.1,84.1
50	26.60	28.58	28.79	29.38	28.78	27.63	27.78	26.86	40- 50	70.49	757.1	92.7,92.7
60	13.73	14.10	14.52	14.79	15.02	14.44	13.78	13.98	50- 60	17.51	774.7	94.9,94.9
70	8.186	8.222	8.607	8.945	9.410	9.039	8.393	8.209	60- 70	11.12	785.8	96.2,96.2
80	4.973	4.954	5.246	5.637	6.116	5.782	5.267	5.036	70- 80	7.353	793.1	97.1,97.1
90	1.341	1.854	1.684	1.375	1.540	1.577	1.564	1.597	80- 90	3.796	796.9	97.6,97.6
100	1.460	1.481	1.458	1.490	1.802	1.810	1.819	1.825	90-100	1.676	798.6	97.8,97.8
110	1.885	1.895	1.893	1.910	2.212	2.205	2.218	2.220	100-110	1.937	800.5	98,98
120	2.505	2.526	2.528	2.534	2.800	2.789	2.791	2.801	110-120	2.319	802.9	98.3,98.3
130	3.410	3.433	3.455	3.444	3.652	3.653	3.633	3.652	120-130	2.751	805.6	98.6,98.7
140	4.471	4.498	4.509	4.504	4.623	4.627	4.608	4.614	130-140	3.131	808.7	99,99
150	5.184	5.217	5.204	5.223	5.299	5.289	5.292	5.301	140-150	3.090	811.8	99.4,99.4
160	5.702	5.724	5.712	5.718	5.775	5.779	5.801	5.787	150-160	2.545	814.4	99.7,99.7
170	6.063	6.072	6.060	6.058	6.092	6.093	6.121	6.109	160-170	1.676	816.0	99.9,99.9
180	6.225	6.226	6.238	6.231	6.229	6.230	6.233	6.231	170-180	0.5864	816.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

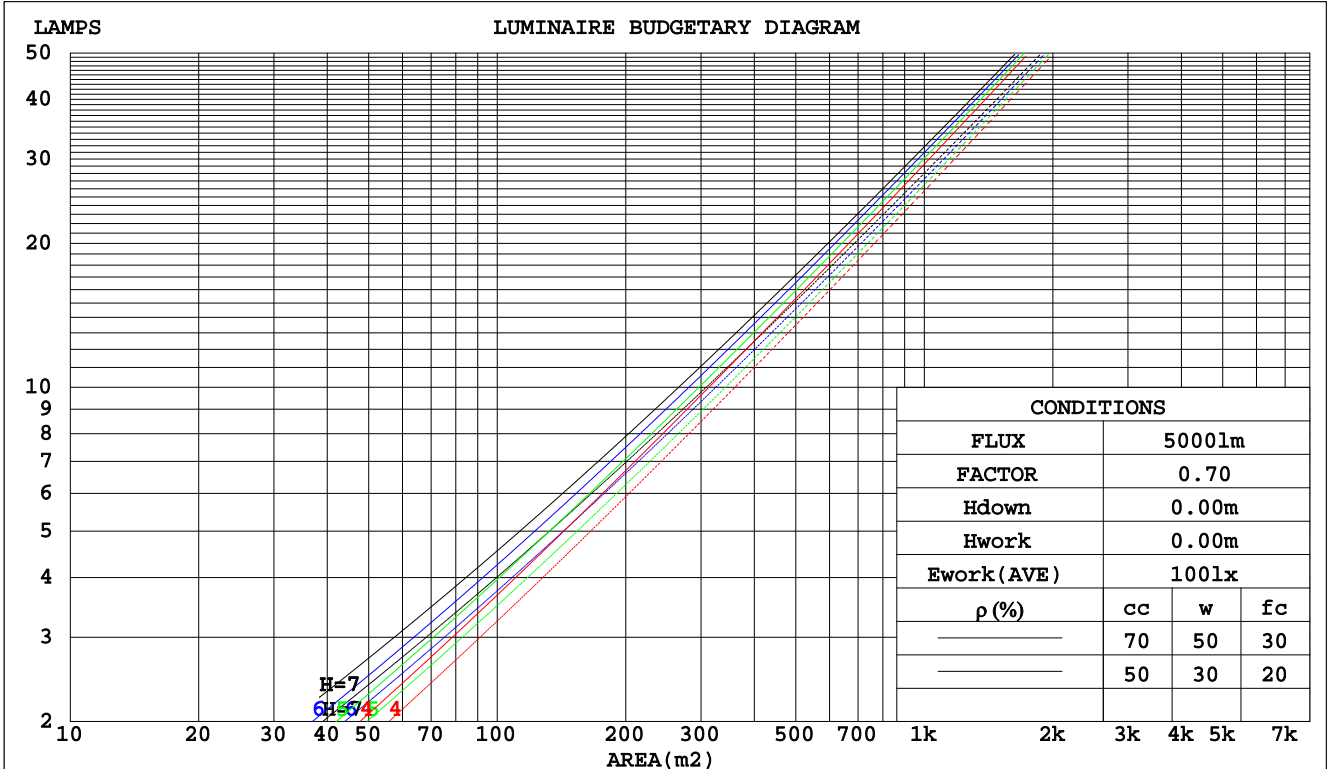
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:8.510W PF:0.8400 Lamp Flux:816.624x1 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	1.07	1.04	1.07	1.05	1.02	1.02	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	.84	.92	.88	.84	.89	.85	.82	.87	.83	.80	.84	.81	.79	.77
4.0	.87	.82	.77	.86	.81	.77	.84	.79	.75	.81	.77	.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	.70	.66	.76	.70	.66	.74	.69	.65	.72	.68	.64	.71	.67	.64	.62
7.0	.72	.66	.61	.71	.65	.61	.70	.64	.61	.68	.64	.60	.67	.63	.60	.58
8.0	.68	.62	.57	.67	.61	.57	.66	.61	.57	.65	.60	.57	.63	.59	.56	.55
9.0	.64	.58	.54	.63	.58	.54	.62	.57	.54	.61	.57	.53	.60	.56	.53	.52
10.0	.61	.55	.51	.60	.55	.51	.59	.54	.51	.58	.54	.50	.57	.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:8.510W PF:0.8400 Lamp Flux:816.624x1 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	.110	.035	.186	.106	.034	.171	.098	.031	.159	.091	.029	.147	.085	.027	
2.0	.183	.100	.031	.177	.097	.030	.165	.092	.028	.154	.086	.027	.143	.081	.026	
3.0	.173	.092	.028	.167	.090	.027	.157	.085	.026	.147	.081	.025	.139	.077	.024	
4.0	.163	.085	.025	.159	.083	.025	.150	.079	.024	.141	.076	.023	.133	.072	.022	
5.0	.155	.079	.023	.151	.077	.023	.143	.074	.022	.135	.071	.021	.128	.069	.021	
6.0	.147	.074	.021	.143	.072	.021	.136	.070	.020	.130	.067	.020	.123	.065	.019	
7.0	.140	.069	.020	.136	.068	.019	.130	.066	.019	.124	.064	.019	.119	.062	.018	
8.0	.133	.065	.018	.130	.064	.018	.124	.062	.018	.119	.060	.017	.114	.059	.017	
9.0	.127	.061	.017	.124	.061	.017	.119	.059	.017	.114	.057	.016	.110	.056	.016	
10.0	.121	.058	.016	.119	.057	.016	.114	.056	.016	.110	.055	.016	.106	.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	.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	.132	.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	.077	.125	.092	.067	.086	.064	.047	.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	.079	.055	.037	.046	.032	.022	.015	.011	.007	
8.0	.126	.084	.054	.109	.073	.047	.075	.051	.034	.044	.030	.020	.014	.010	.007	
9.0	.121	.079	.050	.104	.068	.043	.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:226.4V I:0.0440A P:8.510W PF:0.8400 Lamp Flux:816.624x1 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	23.2	24.2	23.5	24.4	24.6	23.3	24.2	23.5	24.4	24.7
	3H	23.2	24.1	23.5	24.4	24.6	23.3	24.2	23.6	24.4	24.7
	4H	23.3	24.1	23.6	24.4	24.7	23.3	24.2	23.7	24.5	24.7
	6H	23.3	24.1	23.7	24.4	24.7	23.4	24.2	23.8	24.5	24.8
	8H	23.4	24.2	23.7	24.5	24.8	23.5	24.3	23.8	24.6	24.9
	12H	23.4	24.2	23.8	24.5	24.8	23.6	24.3	23.9	24.6	24.9
4H	2H	23.0	23.9	23.3	24.1	24.4	23.1	23.9	23.4	24.2	24.5
	3H	23.1	23.9	23.5	24.2	24.5	23.2	23.9	23.6	24.3	24.6
	4H	23.3	23.9	23.6	24.3	24.6	23.3	24.0	23.7	24.3	24.7
	6H	23.4	24.0	23.9	24.4	24.8	23.5	24.1	24.0	24.5	24.9
	8H	23.6	24.1	24.0	24.5	24.9	23.7	24.2	24.1	24.6	25.0
	12H	23.7	24.2	24.1	24.6	25.0	23.8	24.3	24.2	24.7	25.1
8H	4H	23.2	23.8	23.7	24.2	24.6	23.3	23.9	23.7	24.2	24.7
	6H	23.5	24.0	24.0	24.4	24.9	23.6	24.1	24.1	24.5	25.0
	8H	23.7	24.1	24.2	24.6	25.1	23.8	24.2	24.3	24.7	25.2
	12H	23.9	24.2	24.4	24.7	25.3	24.0	24.4	24.5	24.9	25.4
12H	4H	23.2	23.7	23.7	24.1	24.6	23.3	23.8	23.7	24.2	24.6
	6H	23.5	23.9	24.0	24.4	24.9	23.6	24.0	24.1	24.5	25.0
	8H	23.8	24.1	24.3	24.6	25.1	23.9	24.2	24.4	24.7	25.2
Variations with the observer position at spacings:											
S = 1.0H	+ 1.9 / - 3.6					+ 1.9 / - 3.5					
1.5H	+ 3.9 / - 3.5					+ 3.8 / - 3.4					
2.0H	+ 3.6 / - 1.0					+ 3.8 / - 1.0					

CIE Pub.117 Corrected 816.6 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.7)

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:8.510W PF:0.8400 Lamp Flux:816.624x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

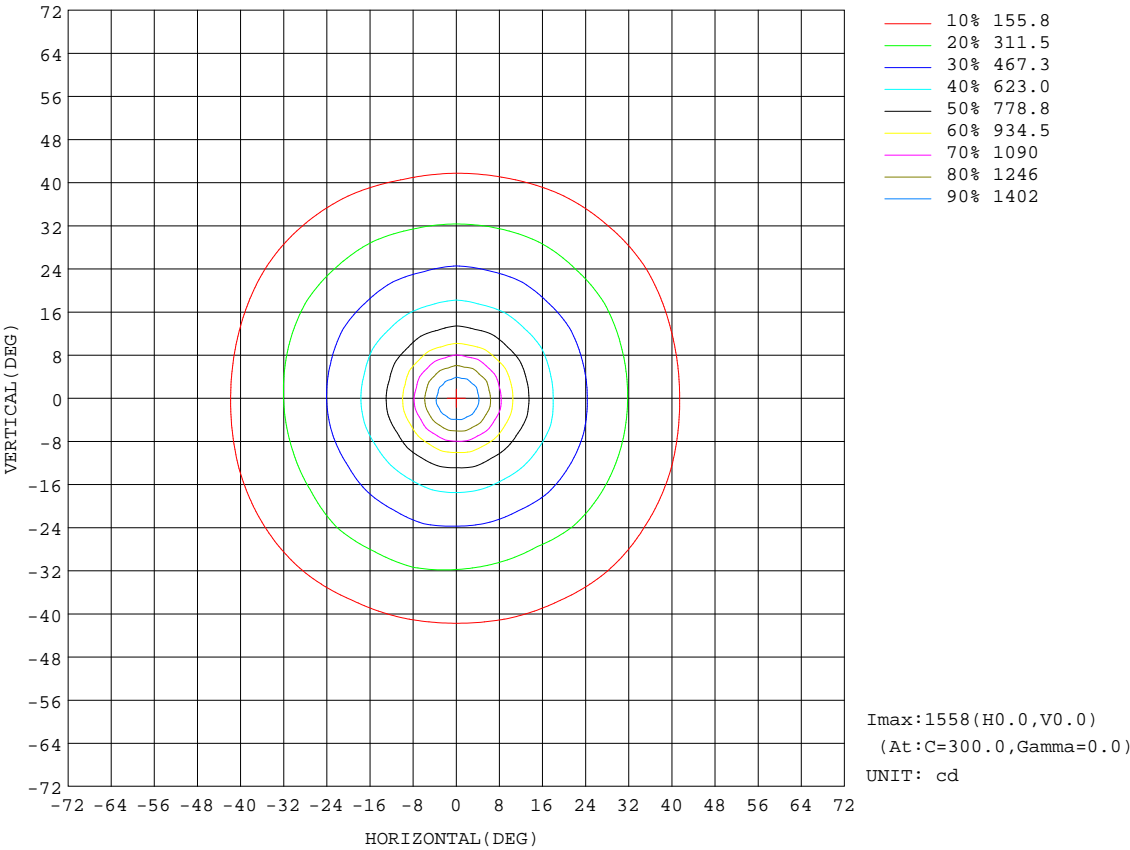
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	82	74	70	81	74	70	80	74	70	66
0.80	90	83	79	89	82	78	87	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	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	95
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:8.510W PF:0.8400 Lamp Flux:816.624x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

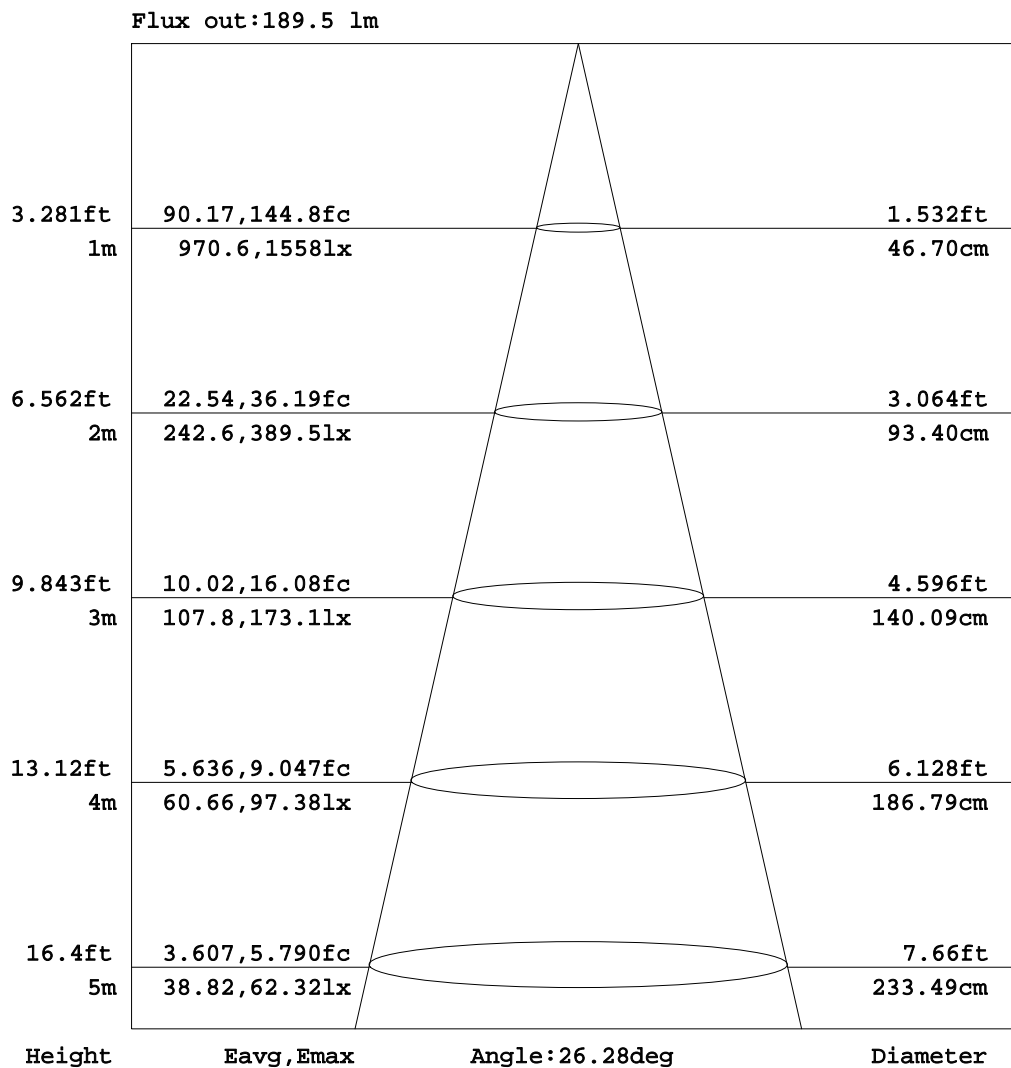


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:8.510W PF:0.8400 Lamp Flux:816.624x1 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.

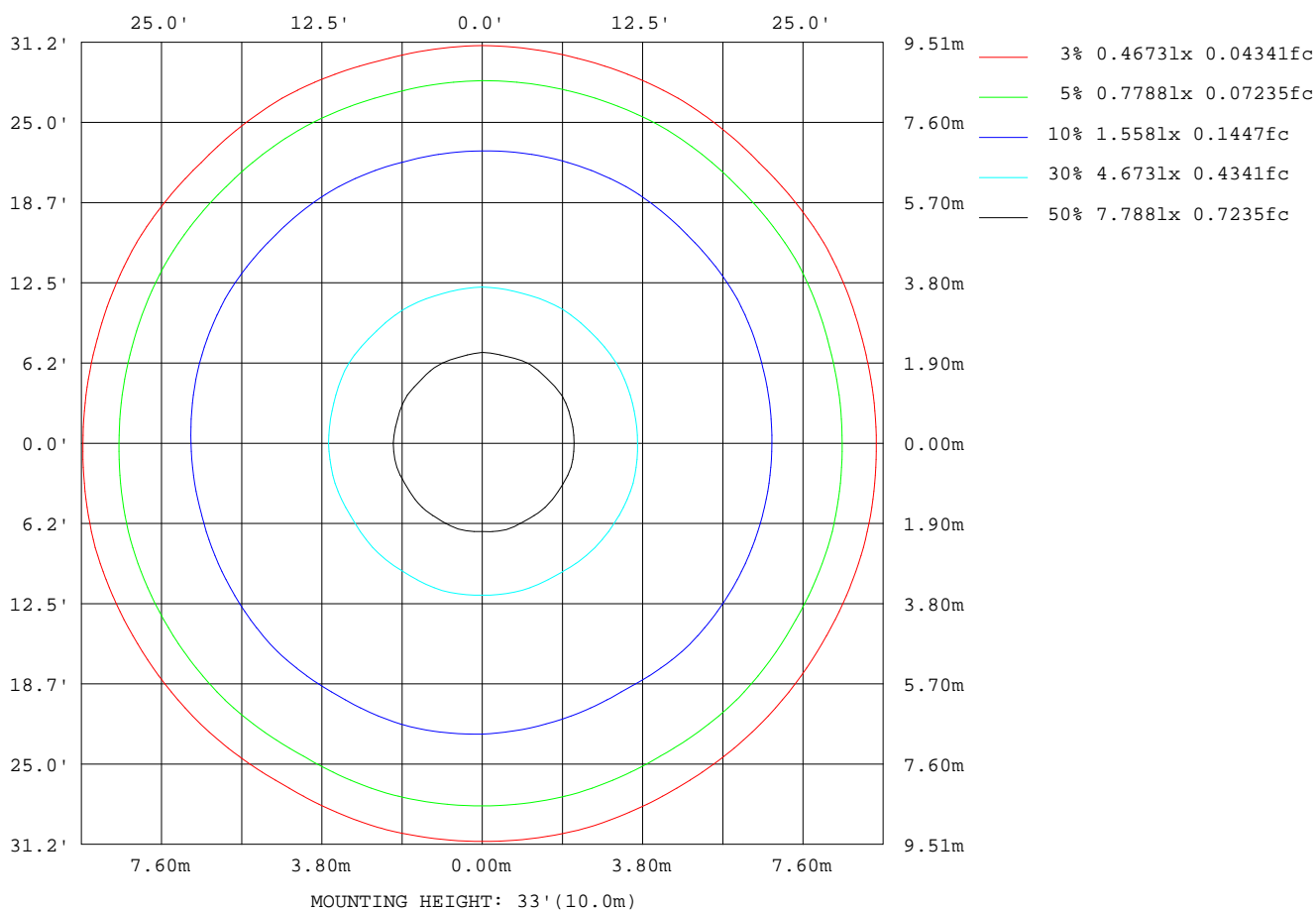
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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

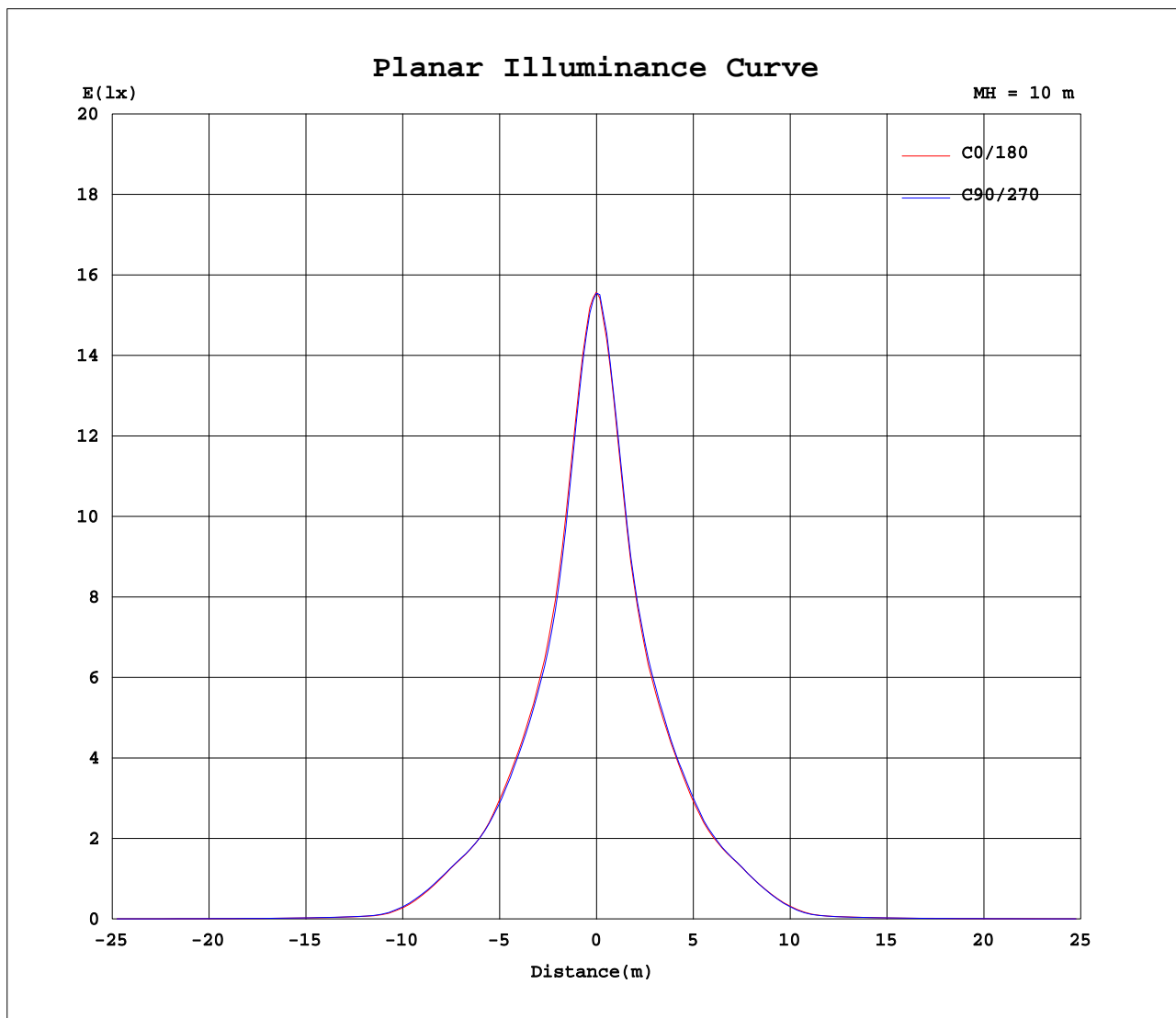
Test:U:226.4V I:0.0440A P:8.510W PF:0.8400 Lamp Flux:816.624x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



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:8.510W PF:0.8400 Lamp Flux:816.624x1 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	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556
5	1346	1356	1344	1352	1335	1344	1326	1331	1317	1320	1311	1316	1311	1301	1320	1302	1315	1304	1324
10	965	970	955	958	943	951	939	944	926	930	920	932	930	923	938	926	938	928	945
15	716	718	703	701	690	700	698	696	693	692	692	700	699	700	708	703	710	708	718
20	570	575	567	562	553	558	557	559	551	553	549	558	563	564	573	565	570	568	575
25	450	455	450	450	437	440	439	442	438	438	434	441	444	446	455	449	454	450	456
30	339	340	338	340	329	335	338	346	340	339	333	336	340	346	351	347	350	347	348
35	272	273	271	270	262	268	275	278	274	277	274	272	275	281	282	279	280	276	277
40	187	188	187	189	186	190	193	193	188	194	195	197	194	194	196	190	192	188	192
45	79.4	81.7	81.1	83.7	83.9	88.3	86.5	87.1	81.8	86.4	87.8	92.1	90.3	88.4	91.0	88.3	88.5	82.9	85.8
50	26.6	27.4	27.4	28.6	28.7	29.2	28.8	29.4	29.0	29.4	29.4	29.3	28.8	28.4	28.4	27.6	27.5	27.1	27.8
55	18.2	18.6	18.7	19.3	19.4	19.8	19.5	19.6	19.4	19.6	19.7	19.9	19.8	19.7	19.6	18.9	18.6	18.3	18.6
60	13.7	13.8	13.8	14.1	14.2	14.6	14.5	14.7	14.6	14.8	14.9	15.1	15.0	15.1	15.0	14.4	14.0	13.7	13.8
65	10.6	10.7	10.6	10.8	10.9	11.2	11.2	11.4	11.4	11.5	11.6	11.9	11.9	12.0	11.9	11.5	11.0	10.7	10.7
70	8.19	8.22	8.12	8.22	8.25	8.52	8.61	8.77	8.82	8.94	9.01	9.27	9.41	9.54	9.42	9.04	8.71	8.43	8.39
75	6.53	6.56	6.43	6.47	6.49	6.73	6.84	6.98	7.04	7.15	7.25	7.50	7.70	7.82	7.71	7.38	7.09	6.85	6.78
80	4.97	5.01	4.91	4.95	5.01	5.17	5.25	5.39	5.44	5.64	5.73	5.89	6.12	6.18	6.04	5.78	5.66	5.33	5.27
85	3.06	3.12	3.04	3.14	3.23	3.27	3.29	3.40	3.40	3.59	3.61	3.71	3.93	3.94	3.87	3.67	3.70	3.37	3.34
90	1.34	1.34	1.34	1.85	1.44	1.33	1.68	1.33	1.34	1.38	1.38	1.31	1.54	1.55	1.54	1.58	1.67	1.57	1.56
95	1.37	1.38	1.37	1.38	1.39	1.37	1.37	1.36	1.37	1.39	1.38	1.35	1.66	1.64	1.66	1.66	1.70	1.66	1.67
100	1.46	1.48	1.46	1.48	1.47	1.47	1.46	1.47	1.46	1.49	1.47	1.46	1.80	1.79	1.80	1.81	1.83	1.81	1.82
105	1.64	1.66	1.64	1.66	1.65	1.65	1.64	1.65	1.65	1.66	1.64	1.64	1.99	1.98	1.99	1.98	2.00	1.98	2.00
110	1.88	1.90	1.89	1.89	1.89	1.90	1.89	1.90	1.90	1.91	1.90	1.88	2.21	2.20	2.21	2.20	2.22	2.20	2.22
115	2.17	2.19	2.18	2.19	2.19	2.19	2.19	2.18	2.19	2.19	2.19	2.17	2.48	2.48	2.47	2.48	2.48	2.48	2.48
120	2.50	2.52	2.52	2.53	2.52	2.53	2.53	2.53	2.54	2.53	2.52	2.52	2.80	2.79	2.79	2.79	2.80	2.79	2.79
125	2.93	2.93	2.94	2.93	2.94	2.95	2.95	2.94	2.95	2.95	2.94	2.92	3.19	3.19	3.19	3.18	3.18	3.17	3.18
130	3.41	3.43	3.43	3.43	3.43	3.44	3.46	3.44	3.46	3.44	3.45	3.42	3.65	3.65	3.65	3.65	3.64	3.64	3.63
135	3.96	3.97	3.98	3.98	3.98	3.99	3.99	3.98	4.00	3.99	3.99	3.97	4.15	4.15	4.15	4.15	4.14	4.14	4.14
140	4.47	4.49	4.48	4.50	4.50	4.49	4.51	4.50	4.51	4.50	4.51	4.47	4.62	4.63	4.62	4.63	4.61	4.60	4.61
145	4.88	4.91	4.89	4.91	4.90	4.91	4.91	4.91	4.92	4.92	4.90	4.89	5.00	5.01	5.00	4.99	4.99	4.99	5.00
150	5.18	5.21	5.20	5.22	5.20	5.22	5.20	5.21	5.21	5.22	5.20	5.20	5.30	5.30	5.29	5.29	5.29	5.29	5.29
155	5.47	5.49	5.49	5.49	5.48	5.49	5.49	5.47	5.49	5.49	5.49	5.47	5.54	5.55	5.56	5.56	5.55	5.55	5.57
160	5.70	5.73	5.71	5.72	5.70	5.72	5.71	5.72	5.71	5.72	5.72	5.71	5.77	5.79	5.78	5.78	5.78	5.79	5.80
165	5.90	5.92	5.90	5.92	5.89	5.91	5.90	5.90	5.90	5.90	5.90	5.90	5.95	5.96	5.97	5.96	5.96	5.96	5.98
170	6.06	6.09	6.08	6.07	6.06	6.06	6.06	6.06	6.06	6.06	6.06	6.06	6.09	6.10	6.10	6.09	6.10	6.10	6.12
175	6.15	6.17	6.16	6.16	6.15	6.15	6.16	6.15	6.16	6.16	6.16	6.15	6.17	6.17	6.17	6.17	6.16	6.17	6.18
180	6.22	6.24	6.23	6.23	6.22	6.23	6.24	6.22	6.24	6.23	6.24	6.23	6.23	6.24	6.22	6.23	6.21	6.23	6.23

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:8.510W PF:0.8400 Lamp Flux:816.624x1 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	1556	1556	1556	1556	1556														
5	1312	1344	1332	1350	1344														
10	940	962	957	974	964														
15	710	722	716	724	717														
20	569	575	570	575	571														
25	451	459	453	458	450														
30	345	349	344	347	341														
35	279	282	277	279	275														
40	192	196	193	195	187														
45	81.6	84.5	77.6	82.6	77.0														
50	27.1	27.6	26.9	27.2	26.6														
55	18.4	18.6	18.3	18.7	18.5														
60	13.8	14.1	14.0	14.2	14.0														
65	10.7	10.9	10.7	10.9	10.8														
70	8.27	8.33	8.21	8.35	8.28														
75	6.62	6.64	6.54	6.74	6.62														
80	5.12	5.11	5.04	5.18	5.06														
85	3.23	3.25	3.21	3.33	3.18														
90	1.56	1.56	1.60	1.63	1.57														
95	1.66	1.67	1.68	1.70	1.66														
100	1.82	1.83	1.83	1.84	1.82														
105	1.99	2.01	2.00	2.01	1.99														
110	2.21	2.23	2.22	2.23	2.21														
115	2.47	2.49	2.49	2.49	2.49														
120	2.79	2.80	2.80	2.81	2.79														
125	3.18	3.19	3.18	3.19	3.18														
130	3.66	3.64	3.65	3.65	3.64														
135	4.13	4.15	4.14	4.15	4.14														
140	4.61	4.62	4.61	4.62	4.61														
145	4.98	5.01	5.00	5.01	4.99														
150	5.28	5.31	5.30	5.31	5.28														
155	5.56	5.57	5.56	5.58	5.56														
160	5.78	5.80	5.79	5.80	5.79														
165	5.97	5.99	5.96	5.99	5.97														
170	6.10	6.13	6.11	6.13	6.10														
175	6.17	6.19	6.18	6.20	6.18														
180	6.23	6.24	6.23	6.24	6.23														

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: