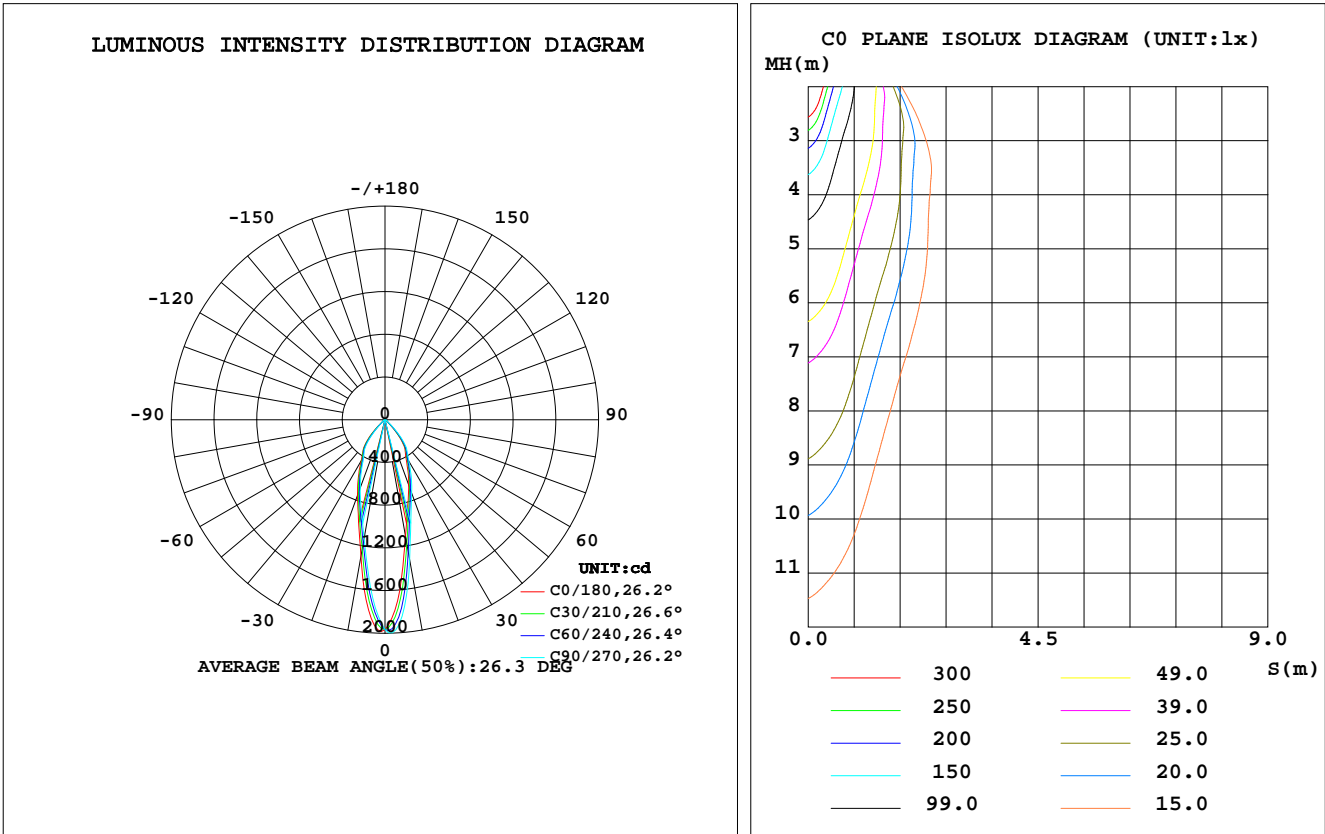


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:226.4V I:0.0600A P:10.80W PF:0.7910 Lamp Flux:1039.28x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 96.23 lm/W
MODEL	M031-11W-840-S-28	Imax(cd)	2024	S/MH(C0/180)	0.39	
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.47	
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	1039.3	η UP,DN(C0-180)	1.2,50.9	
NOMINAL FLUX(lm)	1039.28	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.3,46.6	
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	226.5	η down(%)	97.5	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	1108	1230	1330	1394	1300	1190	1130	1070	0- 10	146.0	146.0	14,14
20	649.5	691.8	730.6	773.0	754.0	708.3	678.8	654.8	10- 20	253.3	399.3	38.4,38.4
30	387.6	420.8	447.4	470.9	447.4	420.8	402.1	393.3	20- 30	253.0	652.2	62.8,62.8
40	213.4	238.4	274.9	286.2	268.3	242.0	212.6	200.5	30- 40	211.5	863.7	83.1,83.1
50	35.17	40.45	46.51	51.64	44.10	36.85	32.65	31.62	40- 50	92.59	956.3	92,92
60	18.89	20.03	20.74	20.94	19.92	18.91	18.34	17.62	50- 60	23.73	980.1	94.3,94.3
70	12.13	12.98	13.42	13.45	12.54	11.94	11.56	11.36	60- 70	15.56	995.6	95.8,95.8
80	8.597	9.130	9.583	9.101	8.713	8.389	8.127	8.188	70- 80	11.07	1007	96.9,96.9
90	1.767	2.013	3.668	4.044	2.631	2.058	2.067	2.086	80- 90	7.123	1014	97.5,97.5
100	1.967	1.954	1.887	1.884	2.342	2.373	2.427	2.473	90-100	2.264	1016	97.8,97.8
110	2.546	2.488	2.374	2.352	2.815	2.884	2.950	2.997	100-110	2.535	1019	98,98
120	3.385	3.293	3.156	3.099	3.510	3.609	3.703	3.776	110-120	3.009	1022	98.3,98.3
130	4.577	4.427	4.242	4.173	4.532	4.678	4.812	4.913	120-130	3.541	1025	98.6,98.6
140	5.913	5.788	5.607	5.540	5.799	5.933	6.037	6.125	130-140	4.014	1029	99,99
150	6.764	6.699	6.585	6.545	6.717	6.789	6.839	6.898	140-150	3.959	1033	99.4,99.4
160	7.365	7.317	7.248	7.237	7.361	7.410	7.443	7.469	150-160	3.254	1036	99.7,99.7
170	7.767	7.765	7.722	7.733	7.807	7.829	7.818	7.819	160-170	2.142	1039	99.9,99.9
180	7.968	7.986	7.953	7.948	7.982	7.981	7.958	7.948	170-180	0.7492	1039	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

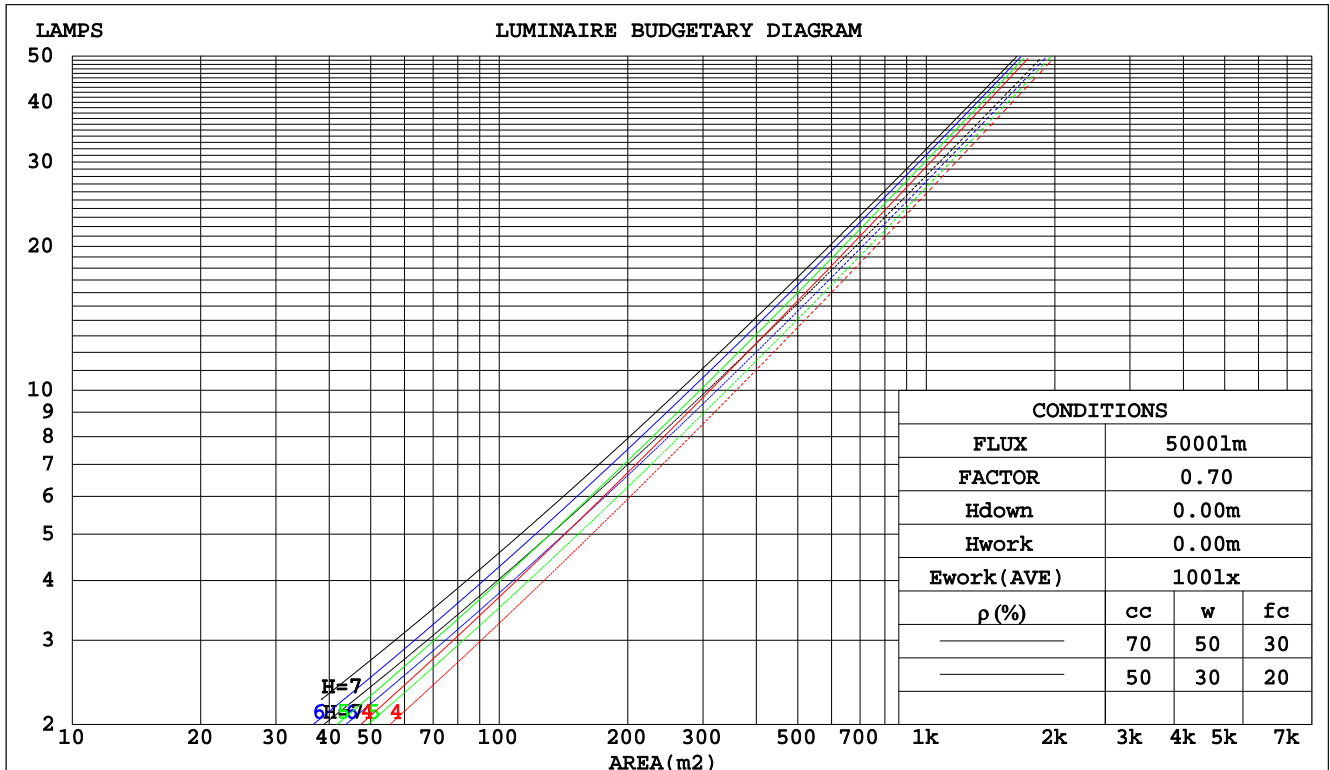
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:0.0600A P:10.80W PF:0.7910 Lamp Flux:1039.28x1 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	.97	.95	.94	.93	.92	.90
2.0	1.01	.97	.93	.99	.95	.92	.95	.92	.89	.92	.89	.87	.89	.87	.85	.83
3.0	.94	.88	.84	.92	.87	.83	.89	.85	.82	.86	.83	.80	.84	.81	.78	.77
4.0	.87	.81	.77	.86	.80	.76	.83	.79	.75	.81	.77	.74	.79	.76	.73	.71
5.0	.81	.75	.71	.80	.75	.70	.78	.73	.69	.76	.72	.69	.74	.71	.68	.66
6.0	.76	.70	.66	.75	.69	.65	.74	.68	.65	.72	.67	.64	.70	.66	.63	.62
7.0	.72	.65	.61	.71	.65	.61	.69	.64	.60	.68	.63	.60	.67	.62	.59	.58
8.0	.68	.61	.57	.67	.61	.57	.66	.60	.57	.64	.60	.56	.63	.59	.56	.54
9.0	.64	.58	.54	.63	.57	.54	.62	.57	.53	.61	.56	.53	.60	.56	.53	.51
10.0	.60	.55	.51	.60	.54	.50	.59	.54	.50	.58	.53	.50	.57	.53	.50	.48



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:0.0600A P:10.80W PF:0.7910 Lamp Flux:1039.28x1 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	.197	.112	.035	.189	.108	.034	.175	.101	.032	.162	.094	.030	.150	.087	.028	
2.0	.186	.102	.031	.179	.099	.030	.167	.093	.029	.156	.088	.027	.146	.082	.026	
3.0	.175	.093	.028	.169	.091	.027	.159	.086	.026	.149	.082	.025	.140	.078	.024	
4.0	.165	.086	.025	.160	.084	.025	.151	.080	.024	.143	.077	.023	.135	.073	.022	
5.0	.156	.080	.023	.152	.078	.023	.144	.075	.022	.136	.072	.021	.129	.069	.021	
6.0	.148	.074	.021	.144	.073	.021	.137	.070	.020	.130	.068	.020	.124	.065	.019	
7.0	.141	.069	.020	.137	.068	.019	.131	.066	.019	.125	.064	.019	.119	.062	.018	
8.0	.134	.065	.018	.131	.064	.018	.125	.062	.018	.120	.061	.017	.115	.059	.017	
9.0	.127	.062	.017	.125	.061	.017	.120	.059	.017	.115	.058	.016	.110	.056	.016	
10.0	.122	.058	.016	.119	.058	.016	.115	.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	.164	.151	.140	.112	.104	.097	.064	.060	.056	.021	.019	.018	
2.0	.177	.151	.130	.152	.130	.112	.104	.090	.078	.060	.052	.046	.019	.017	.015	
3.0	.165	.133	.107	.142	.114	.093	.097	.080	.065	.056	.046	.038	.018	.015	.013	
4.0	.155	.118	.090	.133	.102	.078	.092	.071	.055	.053	.042	.033	.017	.014	.011	
5.0	.147	.107	.077	.126	.092	.067	.087	.065	.048	.050	.038	.028	.016	.012	.009	
6.0	.139	.098	.068	.120	.085	.059	.083	.059	.042	.048	.035	.025	.015	.011	.008	
7.0	.133	.090	.060	.114	.078	.053	.079	.055	.037	.046	.032	.022	.015	.011	.007	
8.0	.127	.084	.055	.109	.073	.048	.076	.051	.034	.044	.030	.020	.014	.010	.007	
9.0	.122	.079	.050	.105	.068	.044	.073	.048	.031	.042	.028	.018	.014	.009	.006	
10.0	.117	.075	.046	.101	.065	.040	.070	.046	.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:0.0600A P:10.80W PF:0.7910 Lamp Flux:1039.28x1 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	23.8	24.8	24.1	25.0	25.3	24.7	25.6	24.9	25.9	26.1
	3H	24.0	24.9	24.3	25.1	25.4	24.8	25.7	25.1	25.9	26.2
	4H	24.1	24.9	24.4	25.2	25.5	24.9	25.7	25.2	26.0	26.3
	6H	24.3	25.1	24.6	25.4	25.7	25.1	25.9	25.4	26.2	26.5
	8H	24.4	25.2	24.8	25.5	25.8	25.2	26.0	25.6	26.3	26.6
	12H	24.7	25.4	25.0	25.7	26.0	25.4	26.2	25.8	26.5	26.8
4H	2H	23.7	24.6	24.0	24.8	25.1	24.5	25.4	24.8	25.6	25.9
	3H	24.0	24.7	24.3	25.0	25.4	24.7	25.5	25.1	25.8	26.1
	4H	24.2	24.9	24.6	25.2	25.6	24.9	25.6	25.3	26.0	26.3
	6H	24.6	25.2	25.0	25.6	26.0	25.3	25.9	25.7	26.3	26.7
	8H	24.9	25.4	25.3	25.8	26.2	25.6	26.1	26.0	26.5	26.9
	12H	25.2	25.7	25.7	26.1	26.6	25.9	26.4	26.4	26.9	27.3
8H	4H	24.3	24.8	24.7	25.2	25.7	25.0	25.5	25.4	25.9	26.3
	6H	24.8	25.3	25.3	25.7	26.2	25.5	26.0	26.0	26.4	26.9
	8H	25.2	25.6	25.7	26.1	26.6	25.9	26.3	26.4	26.8	27.3
	12H	25.8	26.1	26.3	26.6	27.1	26.5	26.8	27.0	27.3	27.8
12H	4H	24.3	24.8	24.7	25.2	25.7	25.0	25.5	25.4	25.9	26.3
	6H	24.9	25.3	25.4	25.8	26.3	25.6	26.0	26.1	26.4	26.9
	8H	25.4	25.7	25.9	26.2	26.7	26.0	26.4	26.5	26.9	27.4
Variations with the observer position at spacings:											
S = 1.0H	+ 1.6 / - 2.3					+ 1.6 / - 2.5					
1.5H	+ 3.2 / - 2.3					+ 3.2 / - 2.5					
2.0H	+ 2.0 / - 0.6					+ 3.8 / - 0.9					

CIE Pub.117 Corrected 1039 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:226.4V I:0.0600A P:10.80W PF:0.7910 Lamp Flux:1039.28x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

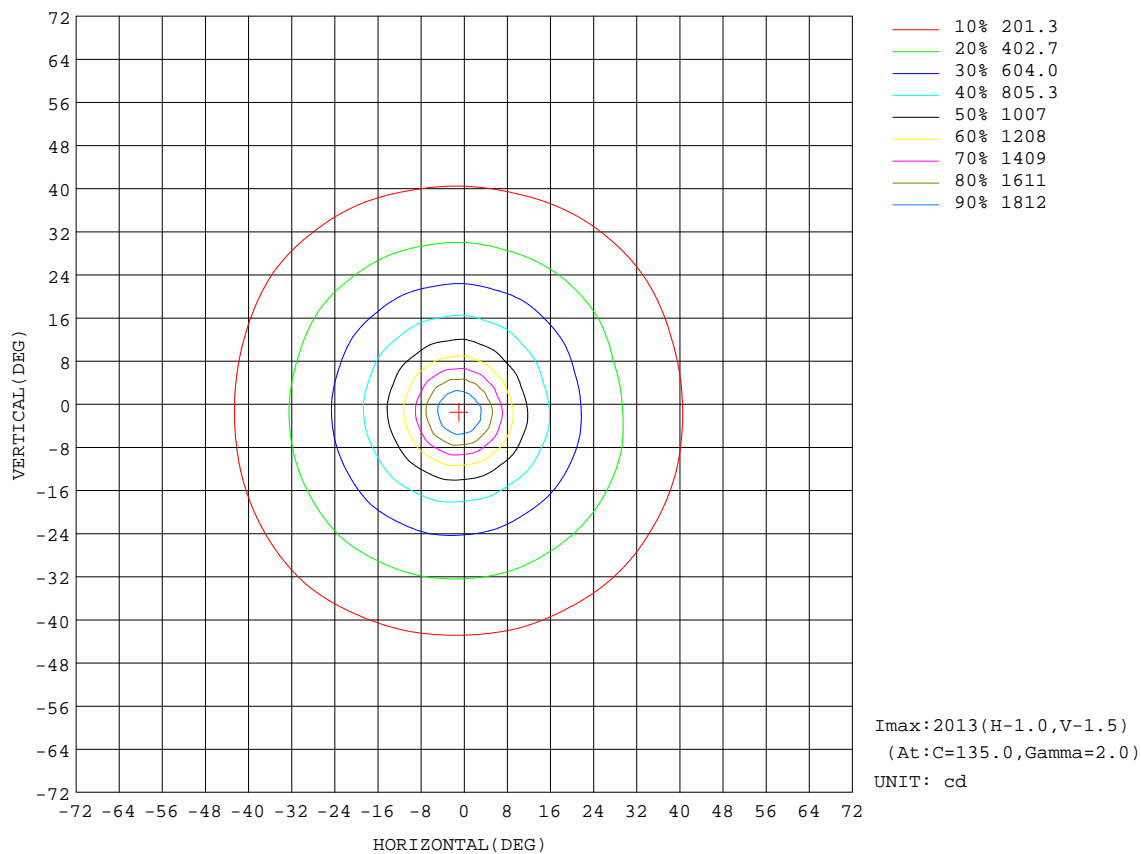
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	81	74	69	80	74	69	79	73	69	65
0.80	89	82	78	88	82	78	87	81	77	73
1.00	94	88	84	93	87	83	91	87	83	78
1.25	99	93	89	98	92	88	95	91	87	82
1.50	102	96	92	101	96	92	98	94	91	85
2.00	105	101	97	104	99	96	101	97	94	88
2.50	108	103	99	106	102	98	102	99	96	89
3.00	109	105	102	107	104	101	103	101	98	91
4.00	112	108	106	109	106	104	105	103	101	93
5.00	113	110	108	111	108	106	106	104	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:0.0600A P:10.80W PF:0.7910 Lamp Flux:1039.28x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



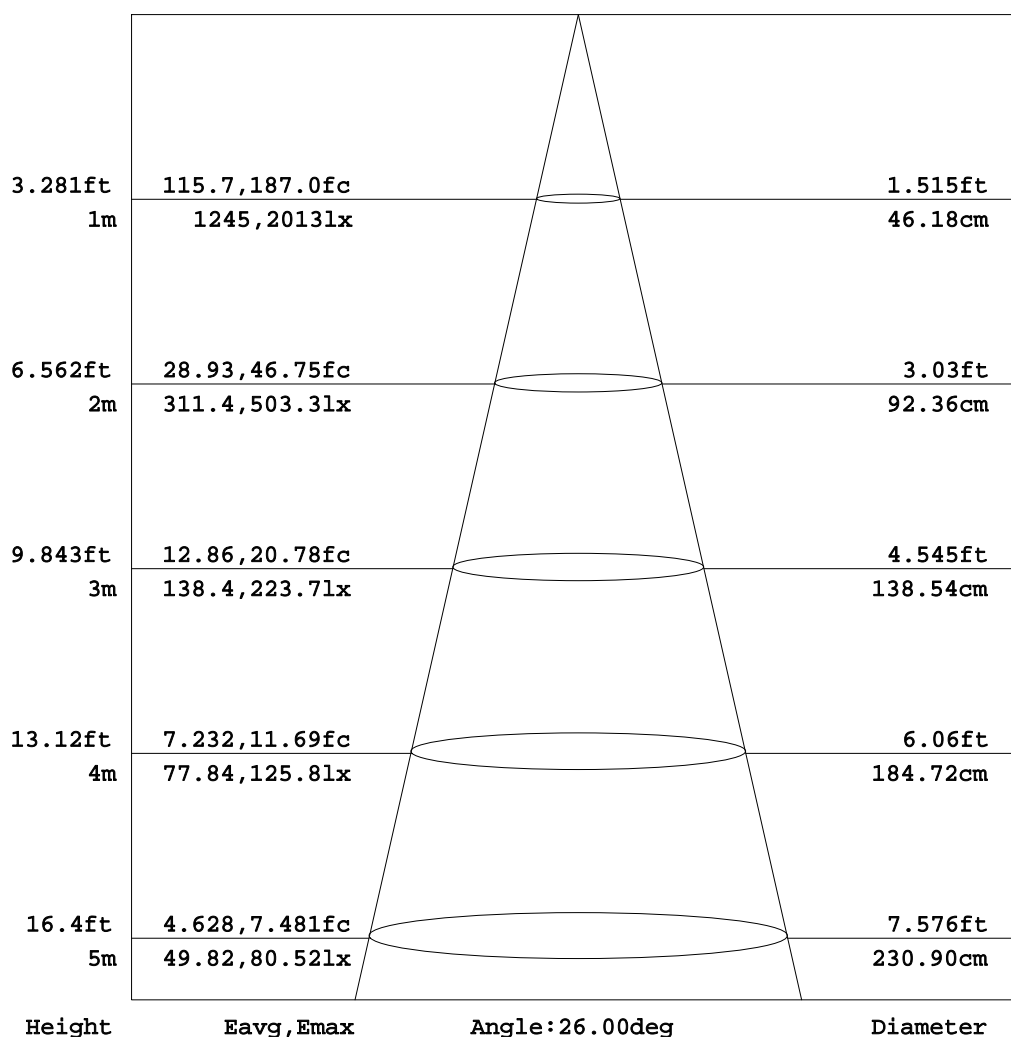
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:0.0600A P:10.80W PF:0.7910 Lamp Flux:1039.28x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

Flux out:243.2 lm



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

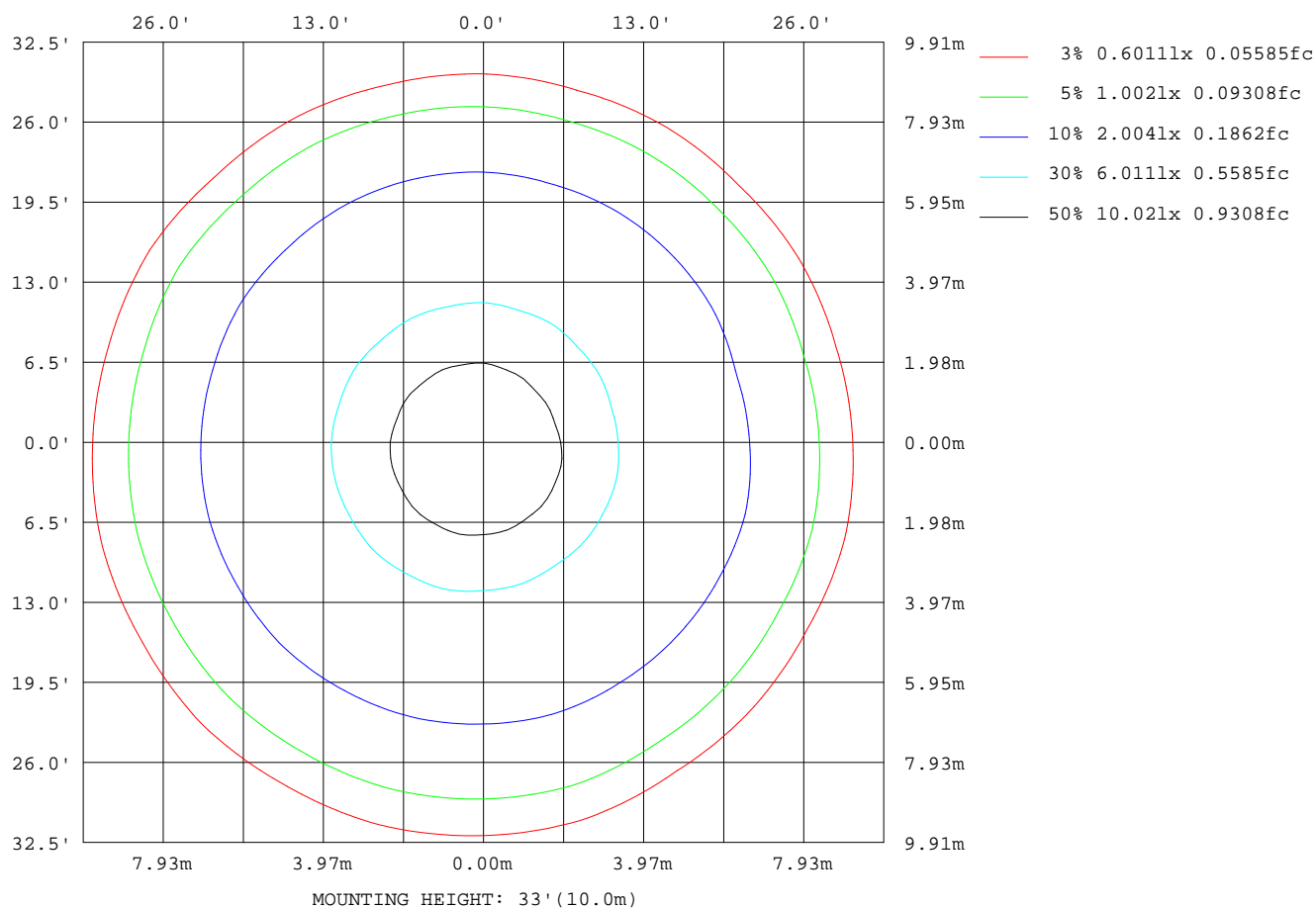
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2015-12-07

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

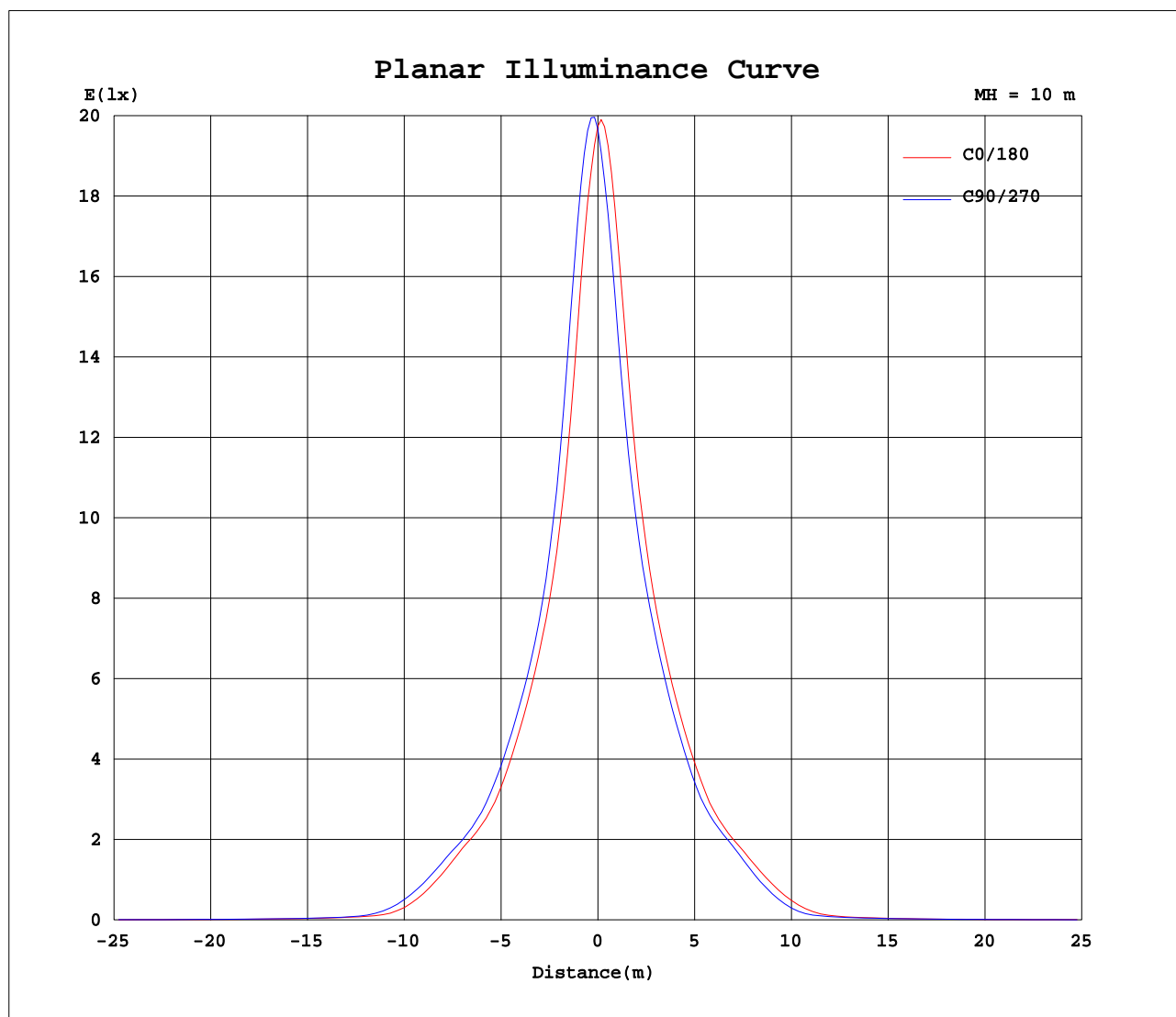
Test:U:226.4V I:0.0600A P:10.80W PF:0.7910 Lamp Flux:1039.28x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



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:0.0600A P:10.80W PF:0.7910 Lamp Flux:1039.28x1 lm																			
NAME:										TYPE:					WEIGHT:				
DIM.:										SPEC.:					SERIAL No.:				
MFR.: Rayconn										SUR.:					PROTECTION ANGLE:				

Table--1

UNIT: cd

C(DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
γ (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
5	1599	1648	1677	1741	1771	1830	1846	1888	1871	1886	1839	1829	1786	1728	1705	1651	1634	1583	1573
10	1108	1151	1178	1230	1254	1314	1330	1382	1369	1394	1351	1344	1300	1246	1234	1190	1174	1142	1130
15	827	851	861	889	895	930	940	975	970	992	974	980	963	934	927	897	894	870	864
20	649	668	677	692	695	723	731	758	756	773	759	766	754	733	731	708	702	686	679
25	503	521	530	544	551	573	582	601	602	614	603	603	590	573	570	553	544	530	523
30	388	405	412	421	427	442	447	463	462	471	460	461	447	436	431	421	416	407	402
35	322	336	335	341	347	359	361	369	369	376	370	372	363	357	357	346	343	337	330
40	213	225	226	238	247	269	275	281	280	286	280	279	268	260	258	242	235	222	213
45	87.4	97.8	100	109	115	137	143	153	152	158	148	149	137	125	121	103	98.6	87.8	84.5
50	35.2	36.8	38.0	40.4	41.8	45.5	46.5	49.8	49.2	51.6	48.6	47.8	44.1	40.4	39.2	36.9	35.7	33.7	32.6
55	24.6	25.2	25.6	26.2	26.5	27.3	27.2	27.9	27.7	28.0	27.5	27.7	27.0	25.9	25.3	24.6	24.3	23.9	23.4
60	18.9	19.3	19.7	20.0	20.2	20.8	20.7	21.0	20.8	20.9	20.6	20.5	19.9	19.3	19.2	18.9	18.8	18.8	18.3
65	15.2	15.7	16.0	16.4	16.6	17.0	16.9	17.1	16.9	16.9	16.6	16.5	16.0	15.5	15.5	15.3	15.1	14.9	14.6
70	12.1	12.4	12.7	13.0	13.1	13.4	13.4	13.7	13.4	13.4	13.0	12.9	12.5	12.3	12.2	11.9	11.8	11.8	11.6
75	10.3	10.5	10.7	10.9	11.0	11.3	11.3	11.3	11.1	11.0	10.7	10.6	10.4	10.3	10.2	10.0	9.90	9.98	9.73
80	8.60	8.79	8.90	9.13	9.49	9.83	9.58	9.60	9.27	9.10	8.90	8.80	8.71	8.61	8.57	8.39	8.33	8.29	8.13
85	7.01	7.15	7.20	7.46	7.87	8.11	8.00	7.99	7.62	7.39	7.21	7.28	7.21	7.14	7.10	6.92	6.86	6.71	6.60
90	1.77	1.76	1.78	2.01	2.41	3.21	3.67	4.32	4.01	4.04	3.56	3.49	2.63	2.18	2.05	2.06	2.13	2.12	2.07
95	1.81	1.82	1.82	1.83	1.89	1.86	1.77	1.79	1.85	1.79	1.84	1.86	2.16	2.15	2.18	2.18	2.23	2.23	2.22
100	1.97	1.97	1.96	1.95	1.97	1.94	1.89	1.89	1.86	1.88	1.90	1.94	2.34	2.33	2.37	2.37	2.41	2.42	2.43
105	2.22	2.21	2.18	2.18	2.18	2.13	2.08	2.09	2.06	2.08	2.07	2.12	2.56	2.56	2.59	2.61	2.63	2.65	2.66
110	2.55	2.52	2.50	2.49	2.47	2.42	2.37	2.37	2.34	2.35	2.35	2.39	2.81	2.82	2.85	2.88	2.91	2.94	2.95
115	2.93	2.90	2.88	2.86	2.83	2.78	2.74	2.72	2.69	2.69	2.69	2.72	3.13	3.14	3.17	3.22	3.25	3.28	3.29
120	3.39	3.34	3.32	3.29	3.26	3.20	3.16	3.14	3.10	3.10	3.10	3.13	3.51	3.53	3.56	3.61	3.65	3.69	3.70
125	3.93	3.88	3.85	3.81	3.77	3.70	3.65	3.62	3.59	3.58	3.58	3.61	3.97	4.00	4.04	4.09	4.13	4.20	4.21
130	4.58	4.51	4.48	4.43	4.38	4.31	4.24	4.21	4.17	4.17	4.17	4.20	4.53	4.56	4.61	4.68	4.72	4.80	4.81
135	5.27	5.21	5.18	5.12	5.07	4.99	4.93	4.89	4.85	4.85	4.85	4.89	5.17	5.21	5.26	5.33	5.37	5.45	5.46
140	5.91	5.85	5.83	5.79	5.74	5.67	5.61	5.58	5.54	5.54	5.53	5.57	5.80	5.83	5.87	5.93	5.97	6.02	6.04
145	6.40	6.36	6.34	6.32	6.27	6.22	6.16	6.15	6.10	6.11	6.09	6.13	6.31	6.33	6.37	6.41	6.44	6.49	6.48
150	6.76	6.72	6.72	6.70	6.67	6.63	6.59	6.57	6.53	6.54	6.52	6.55	6.72	6.72	6.75	6.79	6.81	6.85	6.84
155	7.08	7.05	7.05	7.02	6.99	6.98	6.93	6.93	6.89	6.91	6.88	6.91	7.05	7.06	7.08	7.12	7.14	7.17	7.16
160	7.36	7.34	7.33	7.32	7.29	7.29	7.25	7.26	7.22	7.24	7.21	7.23	7.36	7.36	7.39	7.41	7.42	7.45	7.44
165	7.59	7.57	7.57	7.56	7.54	7.55	7.51	7.53	7.48	7.51	7.47	7.50	7.61	7.60	7.63	7.64	7.65	7.68	7.65
170	7.77	7.76	7.77	7.76	7.74	7.76	7.72	7.75	7.71	7.73	7.68	7.71	7.81	7.79	7.82	7.83	7.83	7.85	7.82
175	7.87	7.87	7.88	7.89	7.88	7.91	7.87	7.90	7.85	7.88	7.82	7.84	7.92	7.91	7.92	7.92	7.91	7.92	7.88
180	7.97	7.97	7.98	7.99	7.97	8.00	7.95	7.98	7.92	7.95	7.89	7.90	7.98	7.96	7.99	7.98	7.98	7.99	7.96

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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:226.4V I:0.0600A P:10.80W PF:0.7910 Lamp Flux:1039.28x1 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	1965	1965	1965	1965	1965														
5	1540	1543	1527	1549	1555														
10	1099	1091	1070	1079	1079														
15	845	840	825	822	815														
20	667	665	655	653	645														
25	513	510	507	504	497														
30	396	393	393	389	382														
35	323	320	317	318	313														
40	203	201	201	204	203														
45	76.9	77.3	75.8	79.9	82.1														
50	31.3	31.4	31.6	33.3	34.2														
55	22.6	22.5	22.6	23.4	23.9														
60	17.8	17.6	17.6	18.1	18.5														
65	14.1	14.0	14.1	14.5	14.8														
70	11.4	11.3	11.4	11.6	12.0														
75	9.63	9.63	9.70	9.95	10.2														
80	8.10	8.13	8.19	8.40	8.57														
85	6.56	6.61	6.68	6.93	7.13														
90	2.07	2.08	2.09	2.11	2.10														
95	2.23	2.24	2.24	2.25	2.25														
100	2.45	2.44	2.47	2.45	2.47														
105	2.68	2.69	2.69	2.69	2.68														
110	2.98	2.98	3.00	2.98	2.98														
115	3.33	3.33	3.36	3.33	3.33														
120	3.75	3.75	3.78	3.75	3.76														
125	4.27	4.27	4.30	4.27	4.27														
130	4.88	4.87	4.91	4.88	4.89														
135	5.53	5.52	5.57	5.52	5.54														
140	6.10	6.08	6.12	6.09	6.10														
145	6.54	6.52	6.56	6.52	6.53														
150	6.88	6.86	6.90	6.86	6.87														
155	7.20	7.17	7.20	7.16	7.17														
160	7.47	7.44	7.47	7.42	7.43														
165	7.68	7.65	7.68	7.63	7.63														
170	7.83	7.80	7.82	7.77	7.77														
175	7.90	7.85	7.88	7.82	7.84														
180	7.98	7.93	7.95	7.89	7.90														

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: