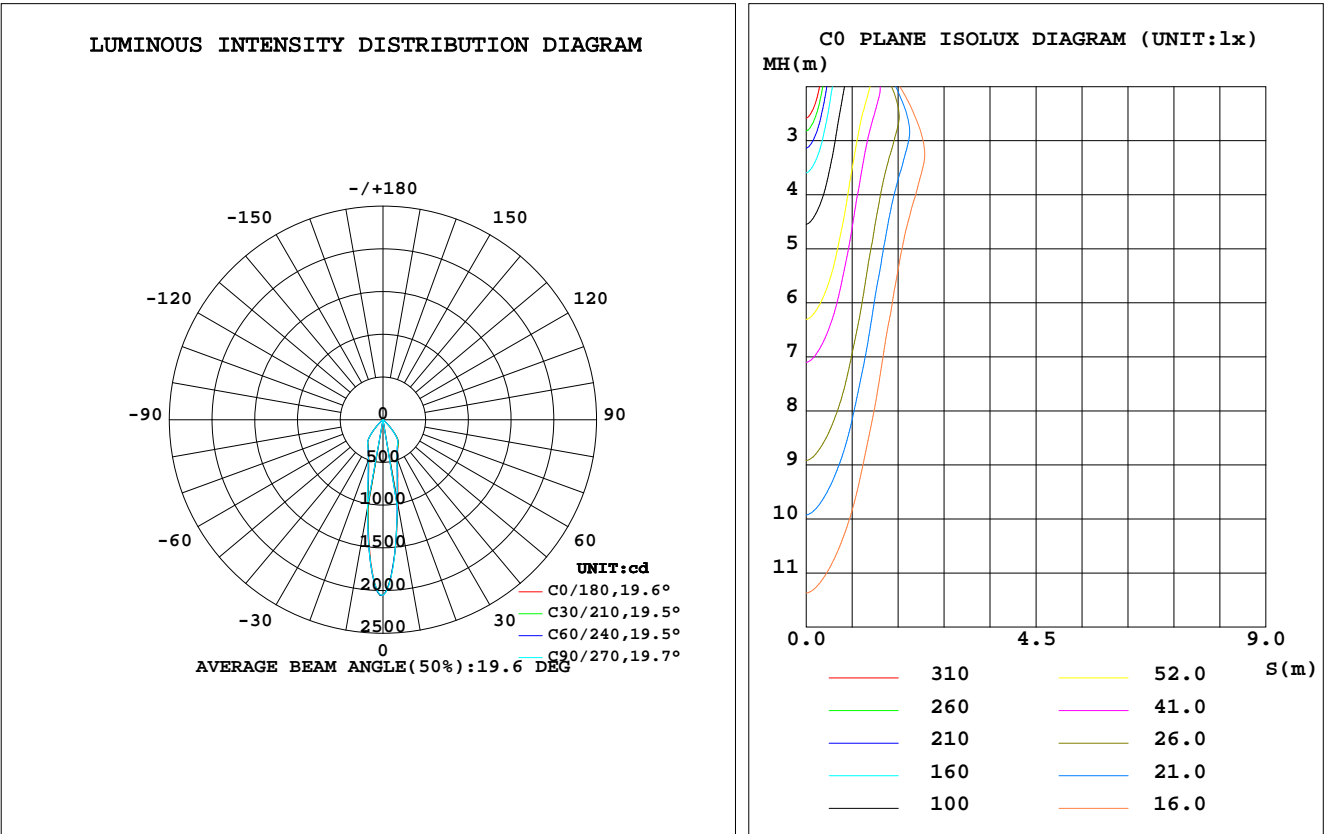


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:226.5V I:0.0600A P:10.90W PF:0.7920 Lamp Flux:830.01x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 76.15 lm/W			
MODEL	M031-11W-930-S-16	Imax(cd)	2057	S/MH(C0/180)	0.33
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	0.32
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	830.02	η UP,DN(C0-180)	1.2,48.3
NOMINAL FLUX(lm)	830.01	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.2,49.3
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	226.5	η down(%)	97.6	CIBSE SHR MAX	1.00



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	1006	987.4	972.5	1010	1012	1013	1054	1015	0- 10	134.1	134.1	16.2,16.2
20	497.3	488.0	480.4	489.3	489.1	491.8	505.4	499.2	10- 20	188.2	322.4	38.8,38.8
30	354.5	346.2	340.4	345.4	349.4	351.2	357.3	357.5	20- 30	187.4	509.7	61.4,61.4
40	225.1	223.1	210.3	213.6	210.6	212.4	214.1	218.0	30- 40	186.5	696.2	83.9,83.9
50	26.17	26.91	26.81	27.02	28.36	29.00	29.61	28.04	40- 50	77.31	773.5	93.2,93.2
60	11.58	11.44	11.70	11.73	12.23	12.54	12.83	12.31	50- 60	15.54	789.0	95.1,95.1
70	7.565	7.641	7.844	7.817	7.988	8.125	8.162	7.823	60- 70	9.584	798.6	96.2,96.2
80	5.432	5.642	5.788	5.671	5.616	5.447	5.609	5.384	70- 80	7.010	805.6	97.1,97.1
90	1.341	1.332	1.342	1.332	1.568	1.568	1.561	1.557	80- 90	4.478	810.1	97.6,97.6
100	1.452	1.460	1.455	1.471	1.861	1.834	1.842	1.826	90-100	1.673	811.8	97.8,97.8
110	1.925	1.935	1.939	1.954	2.285	2.255	2.254	2.239	100-110	1.968	813.8	98,98
120	2.516	2.529	2.547	2.554	2.842	2.802	2.797	2.785	110-120	2.350	816.1	98.3,98.3
130	3.434	3.440	3.468	3.463	3.701	3.666	3.644	3.636	120-130	2.755	818.9	98.7,98.7
140	4.552	4.559	4.585	4.588	4.740	4.699	4.678	4.675	130-140	3.171	822.0	99,99
150	5.230	5.241	5.252	5.251	5.368	5.317	5.319	5.309	140-150	3.129	825.2	99.4,99.4
160	5.773	5.772	5.774	5.781	5.871	5.831	5.834	5.820	150-160	2.558	827.7	99.7,99.7
170	6.193	6.172	6.172	6.184	6.242	6.211	6.217	6.203	160-170	1.702	829.4	99.9,99.9
180	6.288	6.281	6.278	6.292	6.302	6.272	6.282	6.287	170-180	0.5951	830.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

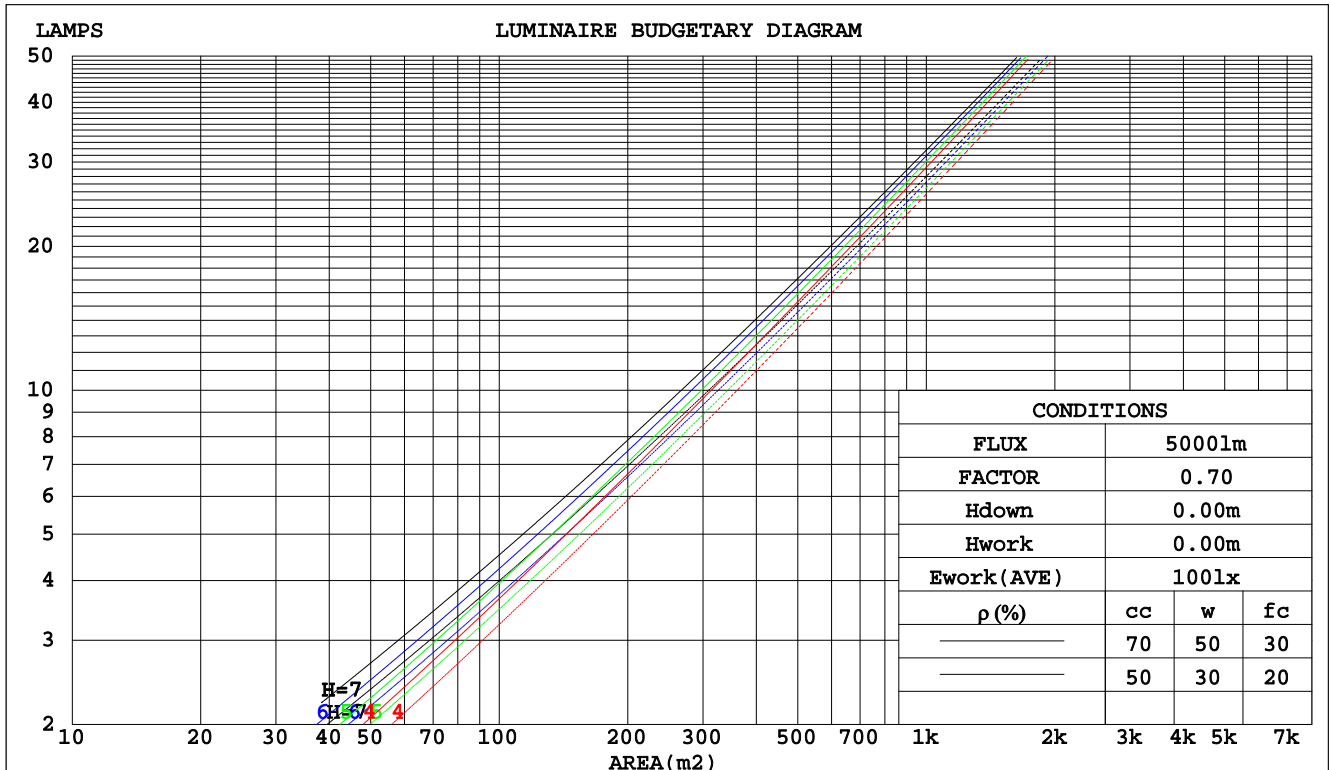
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2015-12-07

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:0.0600A P:10.90W PF:0.7920 Lamp Flux:830.01x1 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	1.03	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	.63
7.0	.72	.66	.62	.71	.66	.62	.70	.65	.61	.69	.64	.61	.67	.63	.60	.59
8.0	.68	.62	.58	.67	.62	.58	.66	.61	.57	.65	.60	.57	.64	.60	.57	.55
9.0	.64	.58	.54	.64	.58	.54	.63	.58	.54	.62	.57	.54	.61	.56	.53	.52
10.0	.61	.55	.51	.61	.55	.51	.60	.55	.51	.59	.54	.51	.58	.54	.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:0.0600A P:10.90W PF:0.7920 Lamp Flux:830.01x1 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	.185	.105	.034	.171	.098	.031	.158	.091	.029	.146	.085	.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	.140	.075	.023	.133	.072	.022	
5.0	.154	.078	.023	.150	.077	.022	.142	.074	.022	.134	.071	.021	.128	.068	.020	
6.0	.146	.073	.021	.142	.072	.021	.135	.069	.020	.129	.067	.020	.123	.065	.019	
7.0	.139	.069	.019	.136	.068	.019	.129	.065	.019	.123	.063	.018	.118	.061	.018	
8.0	.132	.065	.018	.129	.064	.018	.124	.062	.018	.118	.060	.017	.113	.058	.017	
9.0	.126	.061	.017	.123	.060	.017	.118	.059	.017	.114	.057	.016	.109	.055	.016	
10.0	.121	.058	.016	.118	.057	.016	.113	.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	.178	.178	.178	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.191	.176	.162	.163	.151	.139	.112	.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	.093	.097	.079	.065	.056	.046	.038	.018	.015	.013	
4.0	.154	.118	.090	.132	.102	.078	.091	.071	.055	.053	.042	.033	.017	.014	.011	
5.0	.146	.106	.077	.125	.092	.067	.086	.064	.047	.050	.038	.028	.016	.012	.009	
6.0	.138	.097	.068	.119	.084	.059	.082	.059	.042	.048	.035	.025	.015	.011	.008	
7.0	.132	.090	.060	.113	.078	.053	.078	.055	.037	.045	.032	.022	.015	.011	.007	
8.0	.126	.084	.054	.108	.072	.047	.075	.051	.034	.044	.030	.020	.014	.010	.007	
9.0	.121	.078	.050	.104	.068	.043	.072	.048	.031	.042	.028	.018	.014	.009	.006	
10.0	.116	.074	.046	.100	.064	.040	.069	.045	.029	.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:226.5V I:0.0600A P:10.90W PF:0.7920 Lamp Flux:830.01x1 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	24.3	25.3	25.5	23.8	24.8	24.0	25.0	25.2
	3H	24.0	24.9	24.3	25.2	25.4	23.8	24.6	24.0	24.9	25.1
	4H	24.0	24.9	24.4	25.1	25.4	23.8	24.6	24.1	24.9	25.2
	6H	24.1	24.9	24.4	25.2	25.5	23.9	24.7	24.2	24.9	25.2
	8H	24.2	24.9	24.5	25.2	25.5	23.9	24.7	24.3	25.0	25.3
	12H	24.3	25.0	24.6	25.3	25.6	24.1	24.8	24.4	25.1	25.4
4H	2H	23.9	24.7	24.2	25.0	25.2	23.6	24.4	23.9	24.7	25.0
	3H	23.9	24.6	24.2	24.9	25.2	23.6	24.3	24.0	24.6	25.0
	4H	23.9	24.6	24.3	24.9	25.3	23.7	24.4	24.1	24.7	25.1
	6H	24.1	24.7	24.5	25.1	25.5	23.9	24.5	24.3	24.9	25.3
	8H	24.2	24.8	24.7	25.2	25.6	24.1	24.6	24.5	25.0	25.4
	12H	24.4	24.9	24.9	25.3	25.8	24.3	24.8	24.8	25.2	25.7
8H	4H	23.9	24.4	24.3	24.8	25.2	23.7	24.2	24.1	24.6	25.0
	6H	24.2	24.6	24.6	25.0	25.5	24.0	24.4	24.5	24.9	25.3
	8H	24.4	24.8	24.9	25.3	25.8	24.3	24.7	24.8	25.1	25.6
	12H	24.7	25.1	25.3	25.6	26.1	24.7	25.0	25.2	25.5	26.0
12H	4H	23.9	24.4	24.3	24.8	25.2	23.6	24.1	24.1	24.5	25.0
	6H	24.2	24.6	24.7	25.0	25.5	24.0	24.4	24.5	24.9	25.4
	8H	24.5	24.8	25.0	25.3	25.8	24.3	24.7	24.9	25.2	25.7
Variations with the observer position at spacings:											
S = 1.0H	+ 2.0 / - 4.2					+ 2.0 / - 3.8					
1.5H	+ 4.1 / - 4.2					+ 3.9 / - 3.8					
2.0H	+ 4.3 / - 1.1					+ 4.0 / - 1.0					

CIE Pub.117 Corrected 830.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.6)

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:0.0600A P:10.90W PF:0.7920 Lamp Flux:830.01x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

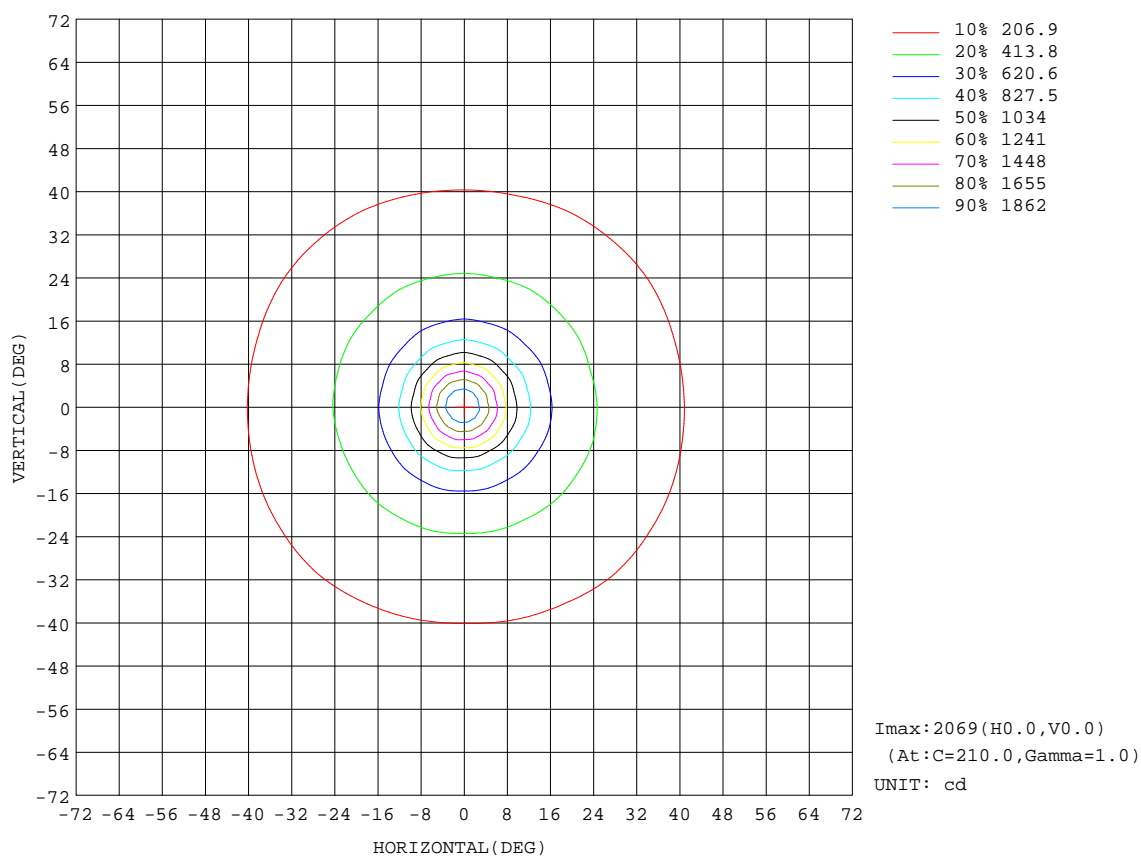
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	82	74	70	81	74	70	80	74	70	66
0.80	90	83	78	89	82	78	87	82	78	73
1.00	95	88	84	94	88	84	92	88	83	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	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

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:

ISOCANDELA DIAGRAM

Test:U:226.5V I:0.0600A P:10.90W PF:0.7920 Lamp Flux:830.01x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



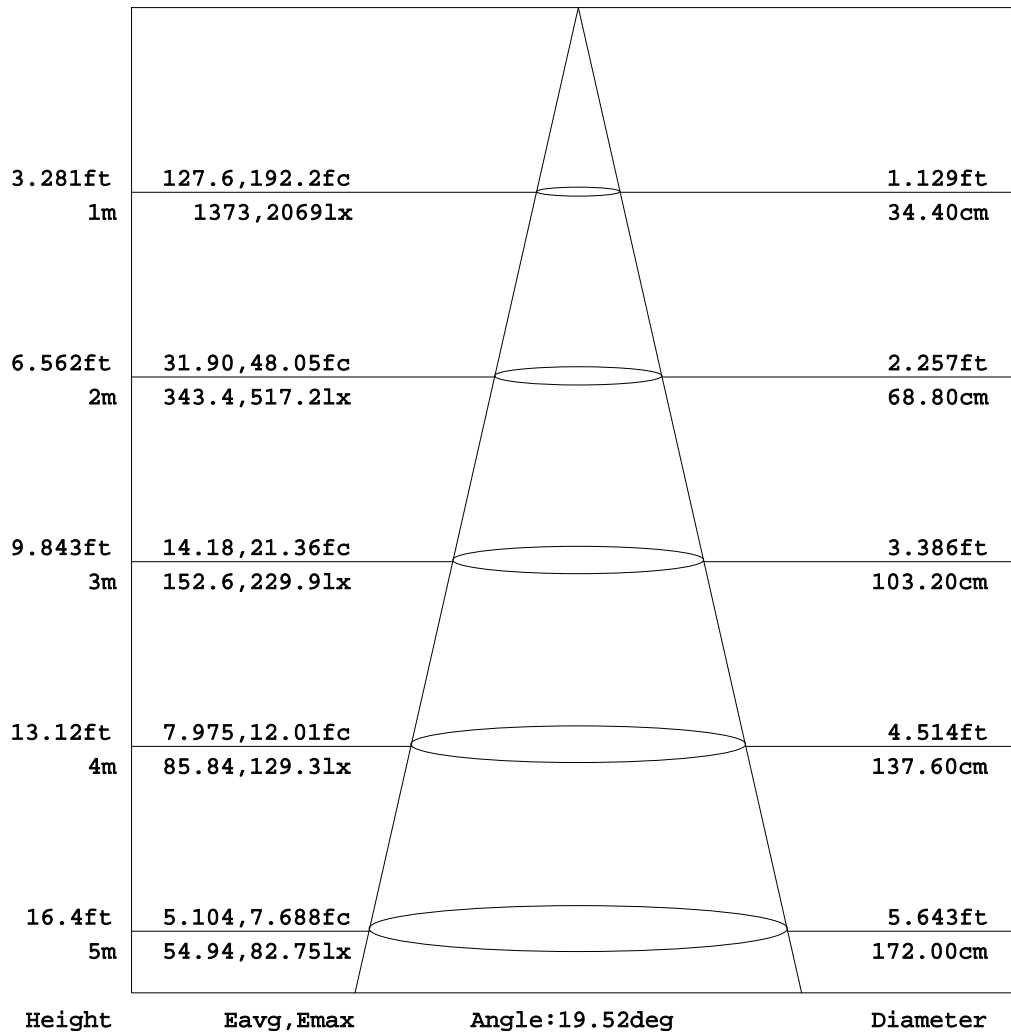
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: ZhangXiao
 Test Date: 2015-12-07

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:0.0600A P:10.90W PF:0.7920 Lamp Flux:830.01x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

Flux out:134.1 lm



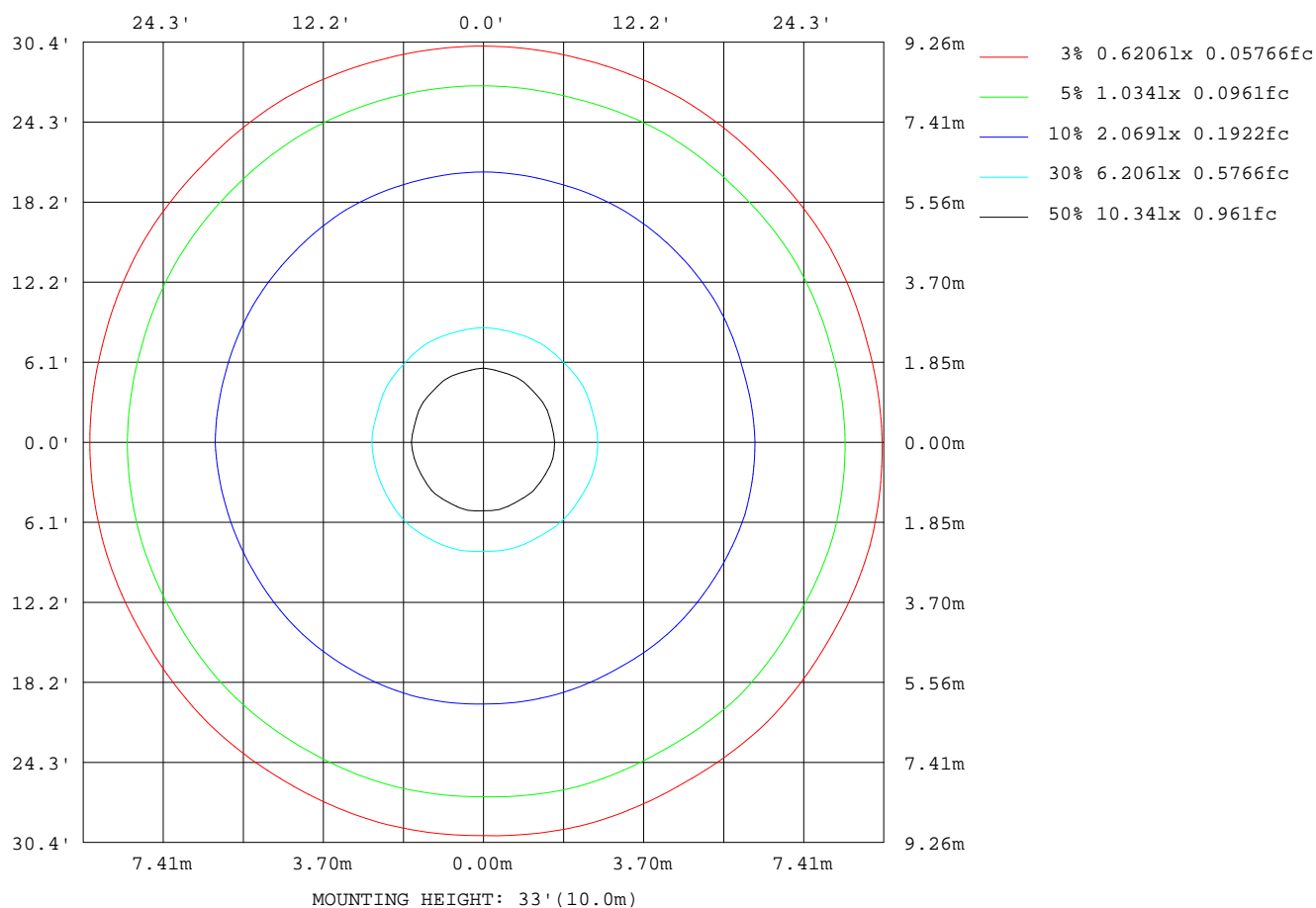
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

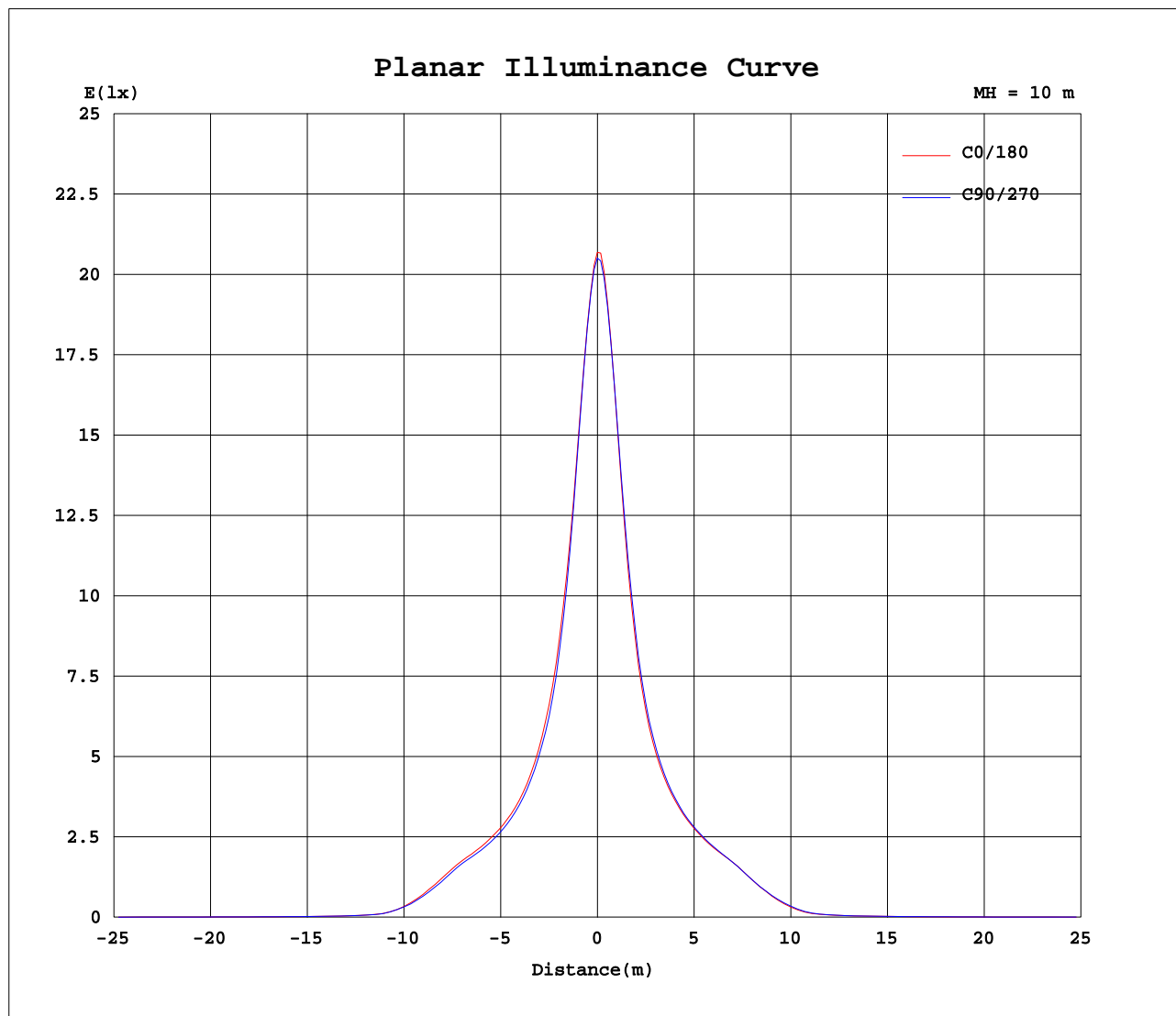
Test:U:226.5V I:0.0600A P:10.90W PF:0.7920 Lamp Flux:830.01x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



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

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:0.0600A P:10.90W PF:0.7920 Lamp Flux:830.01x1 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	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054
5	1587	1598	1576	1591	1575	1599	1586	1618	1608	1636	1625	1654	1663	1646	1681	1662	1688	1664	1679
10	1006	1010	987	987	967	980	973	996	990	1010	996	1009	1012	995	1022	1013	1044	1032	1054
15	673	669	658	654	646	648	642	653	654	660	654	654	652	646	657	658	674	673	680
20	497	498	490	488	480	484	480	486	483	489	484	488	489	487	494	492	503	501	505
25	406	406	401	398	393	393	391	394	394	398	397	400	402	402	406	404	410	410	412
30	355	353	350	346	342	341	340	343	343	345	345	349	349	348	352	351	356	355	357
35	317	317	311	310	305	306	305	307	306	307	304	308	309	307	311	308	312	311	311
40	225	227	219	223	213	215	210	212	210	214	210	214	211	208	212	212	216	215	214
45	94.7	99.1	96.9	98.4	94.7	95.1	90.6	92.8	86.9	88.1	82.9	86.9	88.6	88.7	95.1	92.2	98.7	95.5	97.4
50	26.2	26.5	26.4	26.9	26.8	27.4	26.8	26.9	26.5	27.0	27.4	27.9	28.4	28.2	29.1	29.0	29.7	29.7	29.6
55	15.7	15.5	15.4	15.6	15.5	15.8	15.6	15.8	15.6	15.9	16.1	16.6	16.9	16.9	17.3	17.2	17.6	17.5	17.7
60	11.6	11.4	11.3	11.4	11.6	11.8	11.7	11.6	11.6	11.7	11.8	12.1	12.2	12.2	12.6	12.5	12.7	12.7	12.8
65	9.19	9.08	9.04	9.14	9.24	9.46	9.35	9.27	9.23	9.33	9.35	9.54	9.62	9.65	9.89	9.91	10.1	9.99	10.0
70	7.56	7.56	7.60	7.64	7.67	7.86	7.84	7.86	7.82	7.82	7.77	7.91	7.99	7.98	8.15	8.13	8.20	8.16	8.16
75	6.36	6.39	6.43	6.48	6.50	6.62	6.66	6.69	6.64	6.63	6.59	6.64	6.70	6.63	6.68	6.64	6.75	6.75	6.77
80	5.43	5.52	5.59	5.64	5.67	5.76	5.79	5.81	5.71	5.67	5.61	5.60	5.62	5.50	5.48	5.45	5.56	5.63	5.61
85	4.34	4.43	4.42	4.49	4.46	4.65	4.64	4.79	4.72	4.75	4.64	4.59	4.61	4.47	4.43	4.41	4.53	4.60	4.62
90	1.34	2.15	1.34	1.33	1.34	1.35	1.34	1.33	1.34	1.33	1.35	1.35	1.57	1.57	1.56	1.57	1.57	1.58	1.56
95	1.36	1.36	1.36	1.35	1.37	1.37	1.37	1.36	1.34	1.36	1.37	1.37	1.69	1.67	1.69	1.66	1.68	1.67	1.68
100	1.45	1.46	1.45	1.46	1.45	1.48	1.46	1.47	1.46	1.47	1.47	1.47	1.86	1.84	1.85	1.83	1.85	1.84	1.84
105	1.66	1.67	1.66	1.67	1.66	1.69	1.67	1.68	1.67	1.68	1.68	1.68	2.06	2.04	2.05	2.03	2.04	2.04	2.03
110	1.92	1.93	1.93	1.94	1.93	1.95	1.94	1.95	1.94	1.95	1.94	1.95	2.29	2.27	2.28	2.26	2.26	2.26	2.25
115	2.21	2.21	2.21	2.21	2.22	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.55	2.52	2.53	2.51	2.52	2.50	2.50
120	2.52	2.52	2.53	2.53	2.54	2.54	2.55	2.55	2.55	2.55	2.55	2.55	2.84	2.82	2.83	2.80	2.81	2.80	2.80
125	2.91	2.91	2.93	2.92	2.94	2.94	2.95	2.95	2.96	2.95	2.95	2.94	3.23	3.21	3.21	3.19	3.19	3.17	3.18
130	3.43	3.43	3.44	3.44	3.46	3.45	3.47	3.46	3.47	3.46	3.47	3.45	3.70	3.68	3.68	3.67	3.66	3.65	3.64
135	4.02	4.02	4.03	4.03	4.05	4.05	4.06	4.05	4.06	4.05	4.05	4.04	4.24	4.23	4.22	4.20	4.20	4.20	4.18
140	4.55	4.56	4.57	4.56	4.58	4.58	4.58	4.58	4.59	4.59	4.59	4.58	4.74	4.72	4.72	4.70	4.70	4.69	4.68
145	4.95	4.96	4.96	4.96	4.97	4.98	4.97	4.98	4.98	4.98	4.97	4.98	5.11	5.08	5.09	5.06	5.06	5.05	5.05
150	5.23	5.24	5.24	5.24	5.24	5.25	5.25	5.25	5.25	5.25	5.25	5.24	5.37	5.34	5.35	5.32	5.33	5.32	5.32
155	5.50	5.50	5.50	5.50	5.50	5.51	5.51	5.50	5.50	5.51	5.50	5.51	5.61	5.59	5.59	5.57	5.58	5.56	5.58
160	5.77	5.78	5.77	5.77	5.77	5.77	5.77	5.77	5.78	5.78	5.78	5.78	5.87	5.84	5.86	5.83	5.84	5.82	5.83
165	6.02	6.02	6.01	6.01	6.01	6.01	6.02	6.01	6.02	6.02	6.02	6.02	6.09	6.06	6.08	6.06	6.07	6.05	6.06
170	6.19	6.19	6.17	6.17	6.16	6.18	6.17	6.18	6.18	6.18	6.18	6.19	6.24	6.21	6.23	6.21	6.23	6.20	6.22
175	6.23	6.23	6.23	6.22	6.23	6.22	6.23	6.23	6.22	6.24	6.24	6.26	6.29	6.27	6.29	6.25	6.27	6.25	6.27
180	6.29	6.30	6.29	6.28	6.27	6.28	6.28	6.27	6.29	6.29	6.29	6.30	6.30	6.28	6.30	6.27	6.29	6.27	6.28

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:0.0600A P:10.90W PF:0.7920 Lamp Flux:830.01x1 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	2054	2054	2054	2054	2054														
5	1644	1653	1618	1626	1589														
10	1029	1040	1015	1025	1004														
15	674	679	673	680	672														
20	501	506	499	504	499														
25	410	413	410	411	406														
30	355	358	358	358	354														
35	309	314	314	316	316														
40	212	218	218	225	224														
45	95.5	95.2	90.6	93.2	91.7														
50	28.9	28.8	28.0	28.1	27.0														
55	17.4	17.5	16.8	16.7	16.2														
60	12.6	12.6	12.3	12.3	11.9														
65	9.85	9.85	9.66	9.60	9.41														
70	8.04	7.99	7.82	7.77	7.67														
75	6.67	6.61	6.47	6.43	6.41														
80	5.53	5.48	5.38	5.38	5.43														
85	4.53	4.48	4.39	4.41	4.41														
90	1.56	1.55	1.56	1.56	1.58														
95	1.66	1.67	1.66	1.68	1.66														
100	1.82	1.84	1.83	1.84	1.82														
105	2.02	2.03	2.02	2.03	2.03														
110	2.24	2.25	2.24	2.25	2.24														
115	2.49	2.50	2.49	2.50	2.49														
120	2.79	2.79	2.79	2.79	2.80														
125	3.17	3.16	3.17	3.17	3.18														
130	3.64	3.64	3.64	3.64	3.65														
135	4.17	4.17	4.18	4.18	4.20														
140	4.67	4.67	4.68	4.68	4.68														
145	5.03	5.04	5.04	5.04	5.05														
150	5.30	5.31	5.31	5.31	5.31														
155	5.56	5.57	5.57	5.56	5.57														
160	5.82	5.83	5.82	5.83	5.82														
165	6.05	6.06	6.05	6.06	6.06														
170	6.20	6.22	6.20	6.21	6.20														
175	6.25	6.27	6.26	6.27	6.27														
180	6.27	6.28	6.29	6.29	6.29														

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: