

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

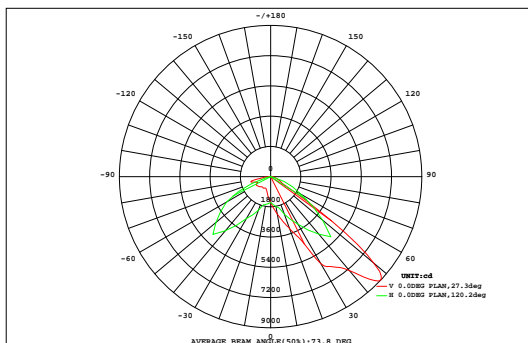
Maximum Intensity		902.8 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of I <sub>max</sub>	115.6V x 74.6H
	At 50% of I <sub>max</sub>	93.5V x 30.6H
	At 90% of I <sub>max</sub>	66.7V x 7.9H
Beam Flux	Total	996.1 lumens per klm.
	To 10% of I <sub>max</sub>	855.2 lumens per klm.
	To 50% of I <sub>max</sub>	451.7 lumens per klm.
	To 90% of I <sub>max</sub>	23.0 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.6 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Operators:YangWenPeng  
Test Date:2019-06-13

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.274  
Humidity:65.0%  
Test Distance:12.380m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: post top light	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:128.2lm/W	
MODEL	TP500-W100	Imax(cd)	11424
NOMINAL POWER(W)	98.7	AVAILABILITY(%)	86.1
RATED VOLTAGE(V)	186	Avai. FLUX(lm)	10888
NOMINAL FLUX(lm)	12653.3	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	12653
TEST VOLTAGE(V)	186.2	θ @50%(H,V)	31,93DEG

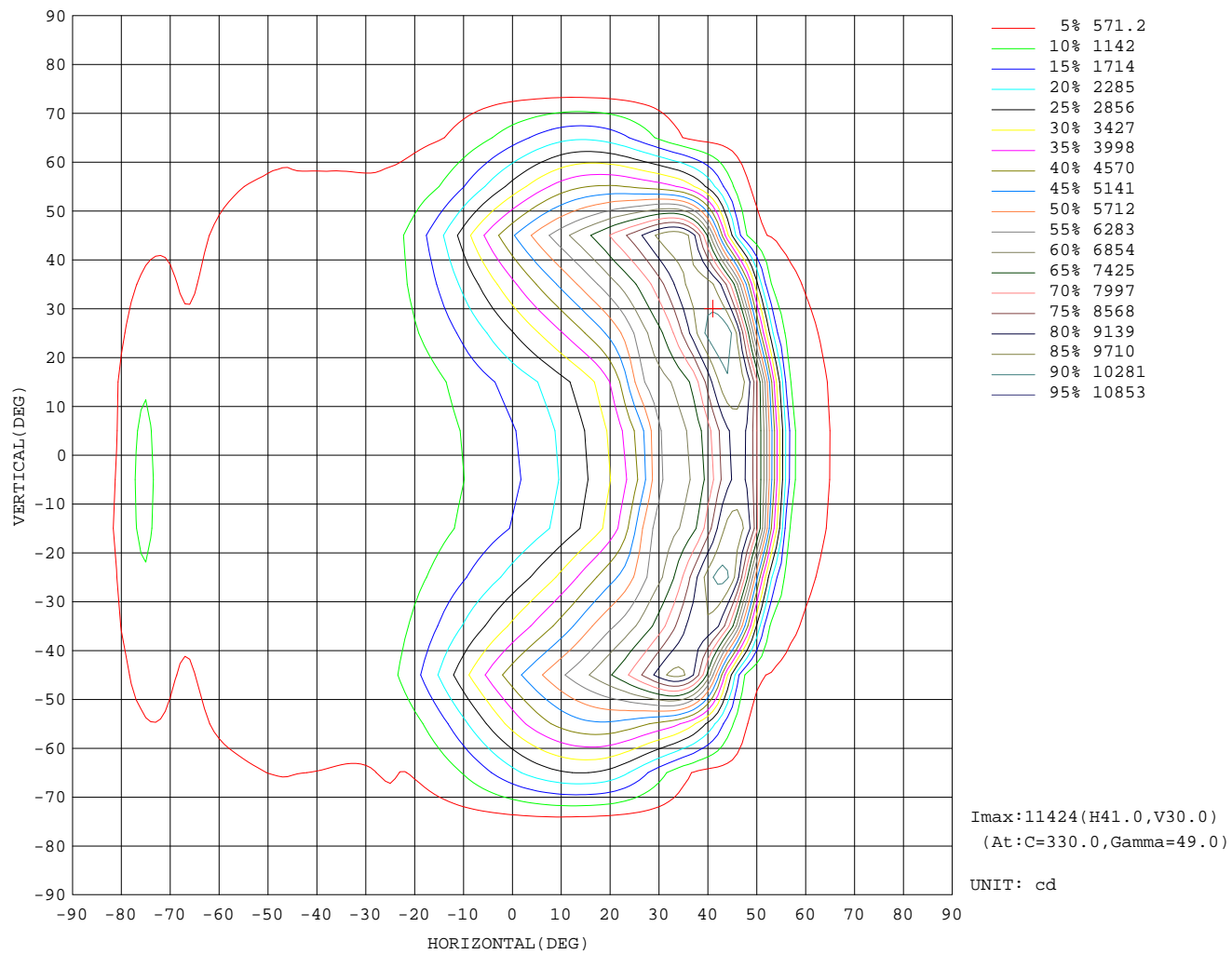
VERTICAL( DEG )	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.15	0.64	1.47	3.02	3.80	5.36	6.61	6.16	5.63	4.87	4.01	3.80	3.07	1.88	1.33	0.48	0.03	52.3	0.00
70	0.07	0.95	2.75	6.37	9.49	10.7	11.9	16.5	32.8	54.8	63.2	43.6	15.1	7.08	4.57	2.79	1.38	0.16	284	171
60	0.18	1.89	4.63	10.1	14.0	15.9	18.3	32.1	68.3	109	129	113	75.9	24.5	6.75	3.87	1.97	0.27	631	523
50	0.38	3.23	6.46	12.5	16.7	20.2	27.8	63.8	125	178	214	245	239	70.8	9.17	5.06	2.29	0.36	1240	1140
40	0.55	4.98	7.85	14.2	18.4	20.0	26.7	52.9	95.4	139	175	204	236	159	18.9	5.82	2.54	0.42	1181	1076
30	0.72	6.55	9.19	15.5	19.2	19.8	24.9	42.2	69.0	102	135	171	221	215	33.8	6.59	2.67	0.45	1095	981
20	0.87	7.75	10.4	16.2	18.6	19.5	21.9	31.9	49.6	69.1	95.1	152	183	209	58.8	7.39	2.56	0.44	954	826
10	0.97	8.33	11.3	16.6	18.4	19.8	21.3	28.5	42.8	60.8	85.1	129	170	190	65.8	7.65	2.56	0.45	880	747
0	1.04	8.63	11.7	16.7	18.3	19.9	21.0	27.1	39.9	57.2	80.9	120	165	184	67.4	7.68	2.59	0.46	851	712
-10	1.08	8.39	11.3	16.5	18.2	19.4	21.2	29.7	44.9	63.4	88.2	140	176	203	58.3	7.26	2.66	0.45	910	778
-20	0.91	7.77	10.3	16.0	18.6	19.4	23.6	38.6	62.7	91.0	125	159	203	199	33.9	6.46	2.57	0.39	1018	897
-30	0.75	6.92	9.17	15.3	18.7	19.7	26.3	50.7	86.8	124	162	186	223	164	15.5	5.62	2.38	0.30	1118	1007
-40	0.59	5.60	7.95	14.0	18.0	20.6	29.6	69.1	124	168	199	228	233	69.4	9.01	4.68	2.02	0.17	1203	1102
-50	0.47	3.94	6.50	12.0	15.7	17.7	22.9	44.6	88.0	129	146	132	95.0	29.0	6.50	3.54	1.51	0.07	754	649
-60	0.35	2.45	4.81	9.35	12.7	13.9	16.2	23.6	50.5	79.4	85.8	52.3	10.8	5.04	4.21	2.35	0.91	0.01	375	266
-70	0.23	1.31	2.64	5.41	8.09	8.47	9.23	9.53	10.9	14.2	14.4	10.2	5.80	4.18	2.28	1.07	0.17	0.01	108	14.3
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL( DEG )	20	30	40	50	60	70	80	90			
Φ t	9.16	78.9	118	198	246	269	328	567	997	1445	1803	2090	2256	1737	397	79.2	31.3	4.44	12653	---
Φ a	0.00	11.2	0.00	0.00	0.00	0.00	29.7	389	953	1428	1791	2069	2215	1696	307	0.00	0.00	0.00	---	10888

one-half-peak spread: U:16.9,D:16.9 , L:23.2,R:7NEMA Beam Type: Type 5 x 6 (H x V)

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Operators:YangWenPeng  
Test Date:2019-06-13

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.274  
Humidity:65.0%  
Test Distance:12.380m [K=1.0000]  
Remarks:

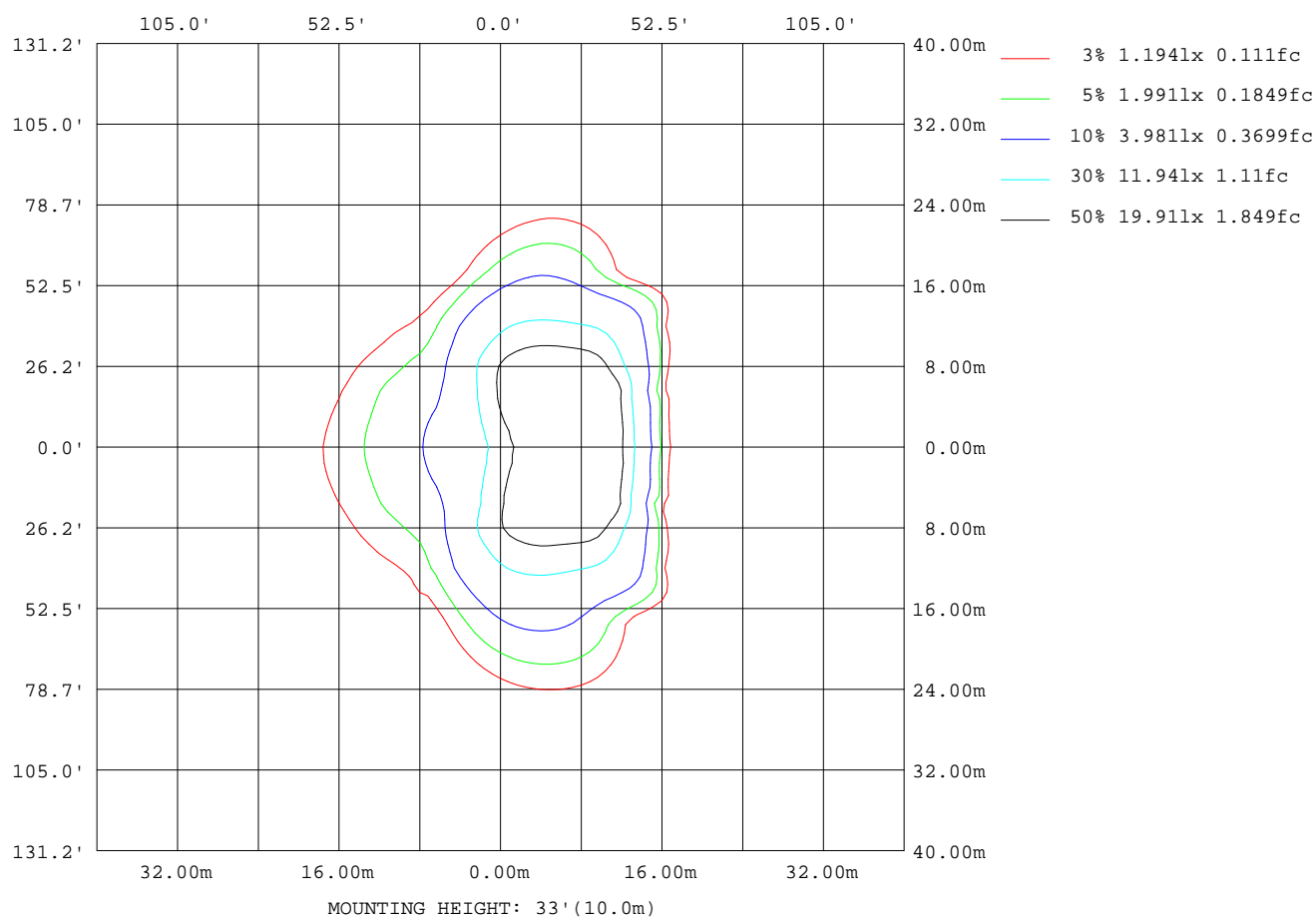
## ISOCANDELA DIAGRAM



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Operators:YangWenPeng  
Test Date:2019-06-13

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.274  
Humidity:65.0%  
Test Distance:12.380m [K=1.0000]  
Remarks:

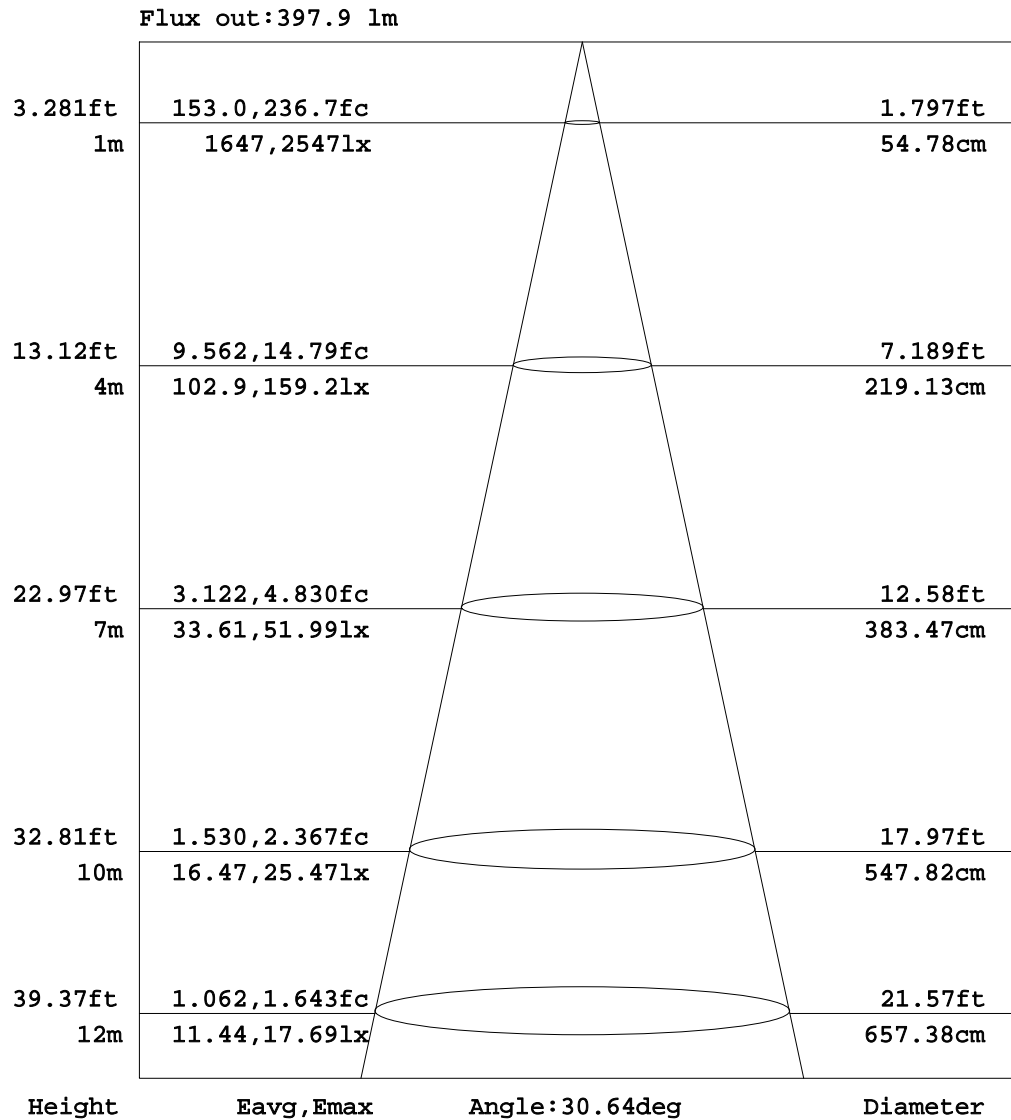
## ISOLUX DIAGRAM



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Operators:YangWenPeng  
Test Date:2019-06-13

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.274  
Humidity:65.0%  
Test Distance:12.380m [K=1.0000]  
Remarks:

AAI Figure

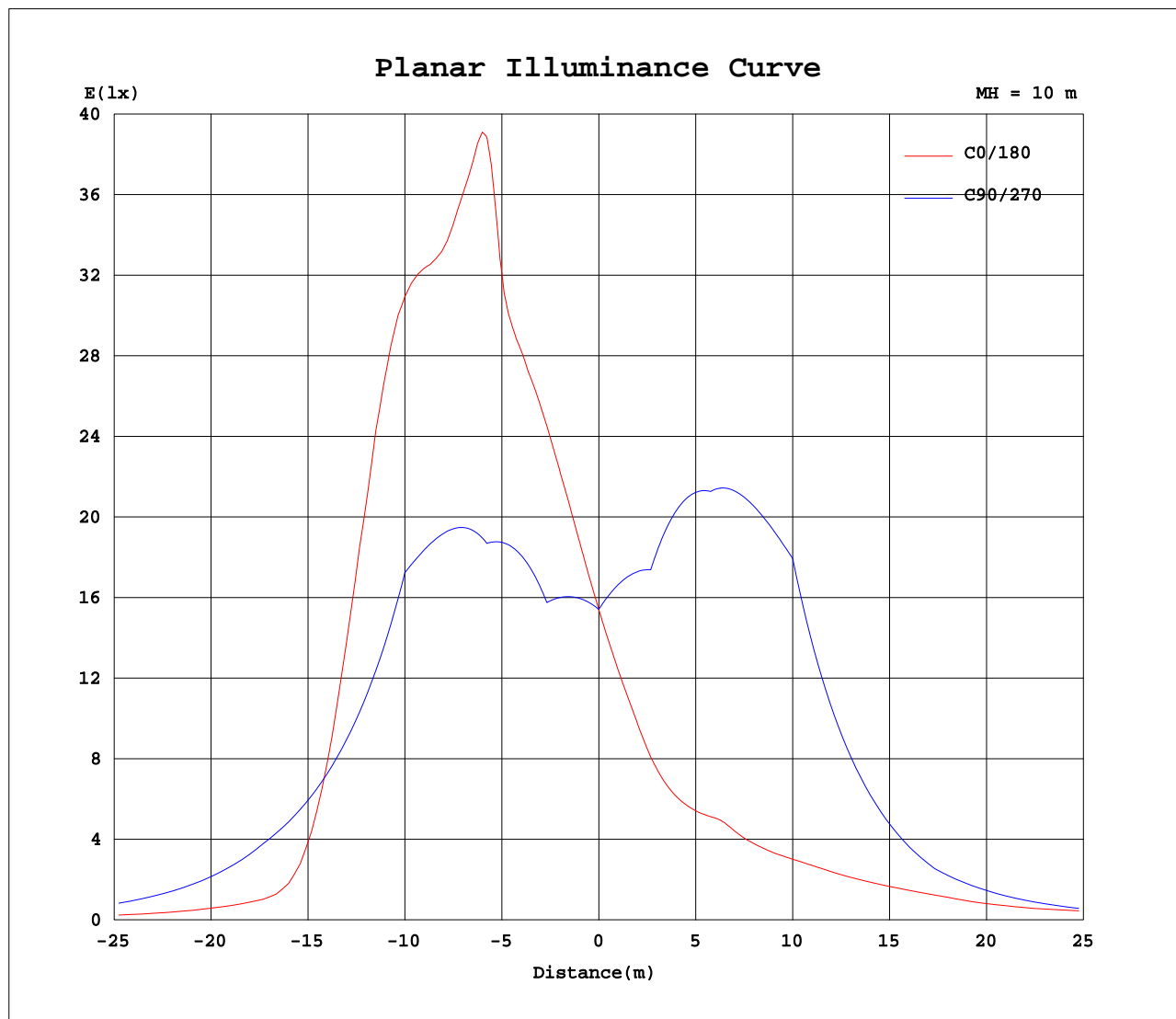


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H( $\beta$ ) Range: -90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: YangWenPeng  
Test Date: 2019-06-13

V(B) Range: -75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.274  
Humidity: 65.0%  
Test Distance: 12.380m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Operators:YangWenPeng  
Test Date:2019-06-13

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.274  
Humidity:65.0%  
Test Distance:12.380m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: ×10cd

H(°) \ V(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	2.95	7.28	12.2	16.8	18.4	19.9	24.2	30.8	36.1	38.3	36.8	33.9	32.0	33.6	34.4	32.2	30.8	30.9	32.5
-70	2.32	8.82	16.1	24.9	26.8	26.9	34.7	41.6	46.7	48.2	46.7	44.2	43.3	48.7	47.5	57.0	74.3	97.6	123
-65	1.69	10.4	20.0	33.0	35.2	33.9	45.3	52.5	57.4	58.2	56.6	54.6	54.6	63.8	60.5	81.7	118	164	213
-60	1.06	11.9	23.9	41.1	43.7	40.9	55.8	63.3	68.1	68.1	66.5	64.9	65.9	78.9	73.6	106	161	231	303
-55	0.75	12.9	29.3	53.9	50.1	46.2	62.3	69.2	72.8	73.2	72.5	70.6	71.6	86.4	100	148	215	290	364
-50	0.45	13.8	34.7	66.8	56.6	51.5	68.8	75.0	77.6	78.3	78.5	76.3	77.4	94.0	127	191	269	350	426
-45	0.14	14.8	40.1	79.6	63.1	56.8	75.2	80.8	82.4	83.4	84.5	82.0	83.2	102	154	233	322	409	488
-40	0.14	15.4	49.5	89.0	68.5	61.4	79.6	84.2	84.9	85.2	83.7	80.5	81.6	97.0	139	204	277	351	421
-35	0.14	16.1	58.9	98.3	73.8	66.1	84.0	87.6	87.3	87.0	82.9	78.9	80.1	92.4	124	175	232	293	354
-30	0.15	16.7	68.4	108	79.1	70.7	88.3	90.9	89.8	88.8	82.2	77.3	78.5	87.8	110	146	187	235	288
-25	0.15	18.2	71.2	112	83.1	75.3	91.5	92.2	89.8	87.5	81.2	77.4	77.7	83.7	101	130	166	206	250
-20	0.15	19.7	74.0	116	87.0	80.0	94.7	93.4	89.9	86.2	80.3	77.6	76.9	79.6	92.0	115	145	177	213
-15	0.15	21.2	76.9	120	91.0	84.6	97.8	94.7	90.0	84.9	79.4	77.7	76.1	75.5	83.1	99.6	123	148	175
-10	0.15	23.8	73.6	120	92.3	85.7	98.3	95.2	90.3	85.1	79.6	78.6	77.0	75.5	81.6	96.4	118	142	168
-5	0.15	26.4	70.3	121	93.7	86.8	98.8	95.8	90.7	85.2	79.9	79.5	78.0	75.4	80.1	93.1	113	135	161
0	0.15	29.0	67.0	122	95.0	87.9	99.3	96.3	91.1	85.3	80.2	80.4	79.0	75.3	78.7	89.8	108	129	154
5	0.15	27.6	66.5	118	91.5	84.1	97.2	95.4	91.0	85.9	80.3	79.5	78.1	76.3	81.5	95.4	117	140	167
10	0.15	26.3	65.9	115	87.9	80.3	95.1	94.5	90.9	86.5	80.5	78.7	77.3	77.2	84.4	101	126	152	180
15	0.14	24.9	65.3	112	84.4	76.5	92.9	93.6	90.8	87.1	80.6	77.8	76.5	78.2	87.3	107	135	163	193
20	0.14	21.1	58.0	101	79.7	70.9	88.8	91.2	90.0	87.9	82.4	78.2	77.3	82.8	98.4	124	159	197	238
25	0.14	17.2	50.7	91.1	75.0	65.4	84.6	88.7	89.2	88.8	84.3	78.6	78.1	87.4	109	142	184	231	283
30	0.14	13.3	43.4	80.8	70.3	59.9	80.4	86.3	88.4	89.7	86.1	78.9	79.0	92.0	121	160	208	264	327
35	0.14	10.3	37.7	67.4	63.0	55.1	74.8	81.5	84.5	85.7	83.7	80.0	80.1	93.7	127	177	242	315	387
40	0.14	7.29	32.1	54.0	55.7	50.3	69.1	76.8	80.6	81.8	81.2	81.0	81.2	95.4	133	195	277	365	447
45	0.14	4.30	26.5	40.6	48.3	45.5	63.5	72.0	76.7	77.8	78.7	82.0	82.3	97.1	139	212	311	416	507
50	0.14	2.94	21.2	32.5	39.1	39.2	55.7	64.5	69.8	70.8	71.0	72.8	72.5	81.9	111	163	240	326	406
55	0.13	1.58	16.0	24.5	29.8	32.9	47.9	56.9	62.9	63.8	63.3	63.6	62.6	66.7	82.0	114	169	237	305
60	0.13	0.22	10.7	16.5	20.5	26.6	40.1	49.4	55.9	56.8	55.6	54.4	52.8	51.4	53.5	65.1	98.4	148	205
65	0.13	0.19	7.22	11.7	15.2	19.9	29.6	36.7	41.8	44.6	43.8	43.0	42.5	42.9	45.7	53.6	75.0	107	145
70	0.12	0.16	3.71	6.99	9.95	13.2	19.0	23.9	27.7	32.4	32.0	31.5	32.1	34.4	37.9	42.2	51.5	67.3	85.6
75	0.12	0.12	0.20	2.25	4.64	6.50	8.52	11.2	13.6	20.2	20.3	20.1	21.7	25.9	30.0	30.7	28.0	27.2	26.1
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Operators:YangWenPeng  
 Test Date:2019-06-13

V(B) Range:-75 - 75DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.274  
 Humidity:65.0%  
 Test Distance:12.380m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: ×10cd

H(°) V(°)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-75	34.4	34.6	31.4	28.1	24.0	22.4	22.3	21.6	19.5	16.2	13.0	10.5	8.35	4.66	0.64	0.34	0.36	0.38	
-70	144	157	159	148	118	79.9	46.2	30.1	27.5	22.6	18.5	15.4	13.1	10.5	5.72	1.58	0.36	0.38	
-65	253	280	286	267	212	137	70.2	38.6	35.5	29.1	24.0	20.3	17.8	16.3	10.8	2.81	0.35	0.37	
-60	363	403	414	387	307	195	94.1	47.2	43.5	35.6	29.5	25.3	22.5	22.1	15.9	4.05	0.35	0.37	
-55	427	475	502	504	480	443	389	273	119	44.8	36.6	30.9	27.1	24.9	19.0	7.78	0.53	0.36	
-50	492	547	589	621	652	691	684	499	194	54.0	43.6	36.5	31.7	27.7	22.1	11.5	0.72	0.35	
-45	556	619	677	738	825	939	979	725	270	63.2	50.7	42.1	36.3	30.5	25.2	15.2	0.90	0.34	
-40	486	549	614	678	754	855	940	844	511	171	61.4	47.5	39.5	32.7	27.4	18.6	2.89	0.32	
-35	415	480	552	618	682	770	901	963	753	279	72.1	53.0	42.8	34.9	29.6	22.0	4.88	0.30	
-30	345	410	489	558	610	685	862	1082	994	386	82.8	58.4	46.1	37.1	31.9	25.4	6.87	0.28	
-25	299	356	425	495	576	673	806	998	996	529	139	64.1	48.7	38.0	32.3	25.9	8.17	0.26	
-20	254	302	362	431	541	660	750	914	998	672	196	69.8	51.3	38.9	32.8	26.4	9.48	0.24	
-15	208	249	298	368	506	647	694	830	1000	816	252	75.6	53.8	39.7	33.3	27.0	10.8	0.22	
-10	201	241	289	355	472	631	682	797	959	810	283	77.8	55.3	40.1	32.9	25.7	11.5	0.21	
-5	193	233	281	341	438	615	669	764	917	805	313	80.0	56.7	40.5	32.5	24.4	12.3	0.21	
0	186	225	272	328	404	598	656	730	875	800	344	82.3	58.1	40.8	32.0	23.1	13.0	0.20	
5	200	239	288	353	459	620	677	780	926	803	314	80.5	57.0	40.6	32.0	23.1	12.9	0.20	
10	213	254	304	377	514	642	698	829	976	806	284	78.7	55.8	40.4	32.0	23.1	12.8	0.20	
15	227	269	320	402	568	664	718	879	1027	810	254	76.9	54.7	40.1	32.0	23.1	12.7	0.21	
20	283	332	389	466	600	696	793	962	1024	678	197	71.4	52.2	39.5	32.4	24.3	12.4	0.21	
25	338	396	459	530	632	727	868	1046	1021	547	140	65.9	49.6	38.8	32.9	25.5	12.1	0.21	
30	393	459	529	595	664	758	943	1130	1018	416	83.3	60.4	47.1	38.1	33.4	26.7	11.8	0.21	
35	459	527	596	664	737	834	962	996	772	301	72.7	54.8	44.6	36.4	32.2	25.4	10.8	0.21	
40	524	595	662	733	811	910	981	863	527	186	62.1	49.1	42.1	34.7	31.0	24.2	9.80	0.22	
45	590	663	729	802	885	986	1001	729	282	70.4	51.5	43.4	39.6	33.1	29.8	22.9	8.82	0.22	
50	480	544	592	632	666	706	692	501	201	58.9	44.7	38.8	34.5	30.3	27.2	20.1	7.48	0.22	
55	370	424	455	462	448	426	383	272	121	47.3	38.0	34.1	29.4	27.6	24.7	17.4	6.15	0.22	
60	261	304	318	292	230	146	73.8	42.8	40.2	35.8	31.3	29.4	24.3	24.8	22.1	14.6	4.82	0.22	
65	182	211	219	202	159	104	56.0	35.4	33.1	29.2	25.6	23.9	21.2	20.6	17.3	10.9	3.44	0.22	
70	103	117	120	111	89.2	61.9	38.2	28.0	26.0	22.6	19.9	18.4	18.1	16.3	12.5	7.21	2.06	0.22	
75	24.6	23.9	21.7	20.3	19.0	19.7	20.4	20.6	18.9	16.0	14.1	12.9	15.1	12.1	7.70	3.53	0.68	0.22	
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Operators:YangWenPeng  
 Test Date:2019-06-13

V(B) Range:-75 - 75DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.274  
 Humidity:65.0%  
 Test Distance:12.380m [K=1.0000]  
 Remarks: