

## 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 Imax	115.6V x 74.6H
	At 50% of Imax	93.5V x 30.6H
	At 90% of Imax	66.7V x 7.9H

Beam Flux	Total	996.1 lumens per klm.
	To 10% of Imax	855.2 lumens per klm.
	To 50% of Imax	451.7 lumens per klm.
	To 90% of Imax	23.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.6 %

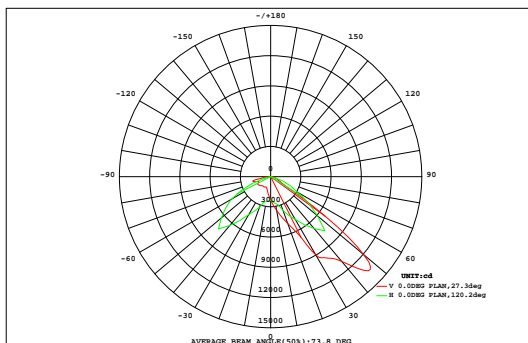
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Operators:YangWenPeng  
Test Date:2019-06-13

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:126.5lm/W	
MODEL	TP500-W150	Imax(cd)	17177
NOMINAL POWER(W)	150.4	AVAILABILITY(%)	86.1
RATED VOLTAGE(V)	186	Avai. FLUX(lm)	16372
NOMINAL FLUX(lm)	19025.6	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	19026
TEST VOLTAGE(V)	186.2	θ @50%(H,V)	31,93DEG

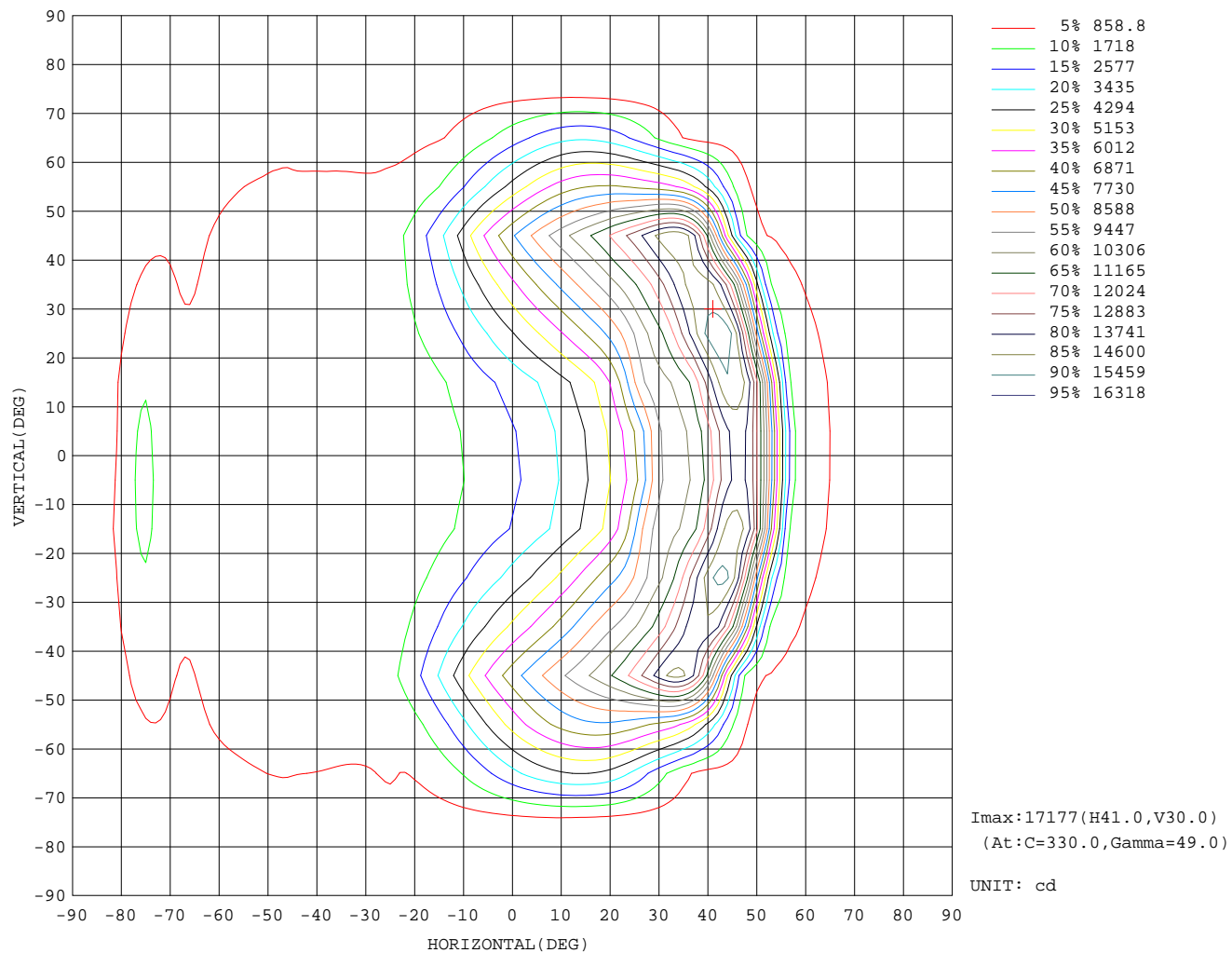
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.23	0.96	2.21	4.54	5.72	8.06	9.94	9.26	8.46	7.32	6.03	5.71	4.62	2.82	2.01	0.73	0.05	78.7	0.00
70	0.10	1.43	4.14	9.58	14.3	16.1	17.9	24.7	49.4	82.4	95.1	65.6	22.6	10.7	6.87	4.20	2.07	0.24	427	257
60	0.27	2.85	6.96	15.2	21.1	23.9	27.5	48.3	103	164	195	170	114	36.9	10.2	5.81	2.97	0.40	948	787
50	0.57	4.85	9.71	18.9	25.2	30.4	41.8	96.0	189	268	322	368	359	106	13.8	7.61	3.45	0.54	1865	1713
40	0.83	7.49	11.8	21.3	27.6	30.1	40.1	79.6	144	209	263	307	355	239	28.5	8.75	3.82	0.63	1776	1618
30	1.08	9.85	13.8	23.3	28.9	29.8	37.5	63.4	104	153	203	257	333	324	50.8	9.91	4.01	0.68	1646	1475
20	1.31	11.7	15.7	24.4	27.9	29.3	32.9	47.9	74.6	104	143	229	275	314	88.4	11.1	3.85	0.66	1434	1242
10	1.46	12.5	17.0	24.9	27.7	29.8	32.1	42.8	64.3	91.4	128	194	256	286	98.9	11.5	3.85	0.68	1323	1123
0	1.57	13.0	17.6	25.1	27.5	30.0	31.6	40.7	60.0	86.1	122	181	249	277	101	11.6	3.89	0.69	1279	1071
-10	1.62	12.6	17.1	24.7	27.4	29.2	31.8	44.6	67.6	95.3	133	210	265	305	87.7	10.9	4.00	0.67	1368	1170
-20	1.37	11.7	15.5	24.0	28.0	29.2	35.5	58.1	94.3	137	188	239	305	299	51.0	9.72	3.86	0.58	1530	1349
-30	1.12	10.4	13.8	23.0	28.1	29.7	39.5	76.3	131	187	243	280	336	247	23.3	8.45	3.59	0.45	1681	1514
-40	0.89	8.42	12.0	21.1	27.0	30.9	44.5	104	186	253	299	343	350	104	13.5	7.03	3.03	0.25	1808	1657
-50	0.71	5.93	9.78	18.1	23.7	26.6	34.5	67.1	132	194	220	198	143	43.6	9.77	5.32	2.27	0.11	1134	975
-60	0.53	3.69	7.23	14.1	19.1	21.0	24.3	35.5	76.0	119	129	78.6	16.2	7.58	6.32	3.54	1.36	0.02	563	399
-70	0.35	1.97	3.97	8.14	12.2	12.7	13.9	14.3	16.4	21.3	21.7	15.3	8.72	6.29	3.43	1.61	0.25	0.01	163	21.5
-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	13.8	119	177	298	370	405	493	853	1499	2172	2711	3142	3392	2611	597	119	47.0	6.67	19026	---
Φ a	0.00	16.9	0.00	0.00	0.00	0.00	44.7	585	1433	2147	2693	3111	3331	2549	461	0.00	0.00	0.00	---	16372

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:

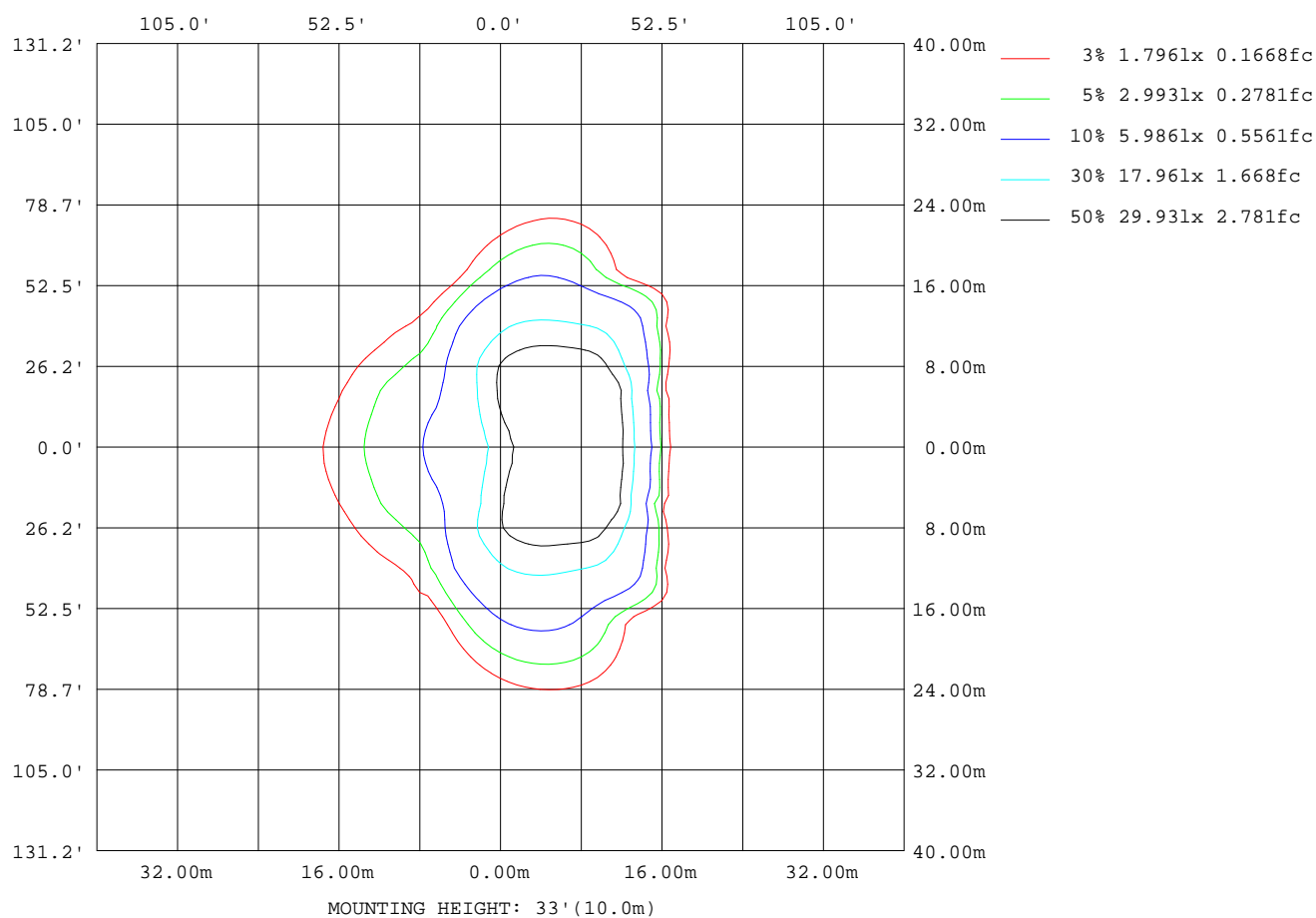
## ISOCANDELA DIAGRAM



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:

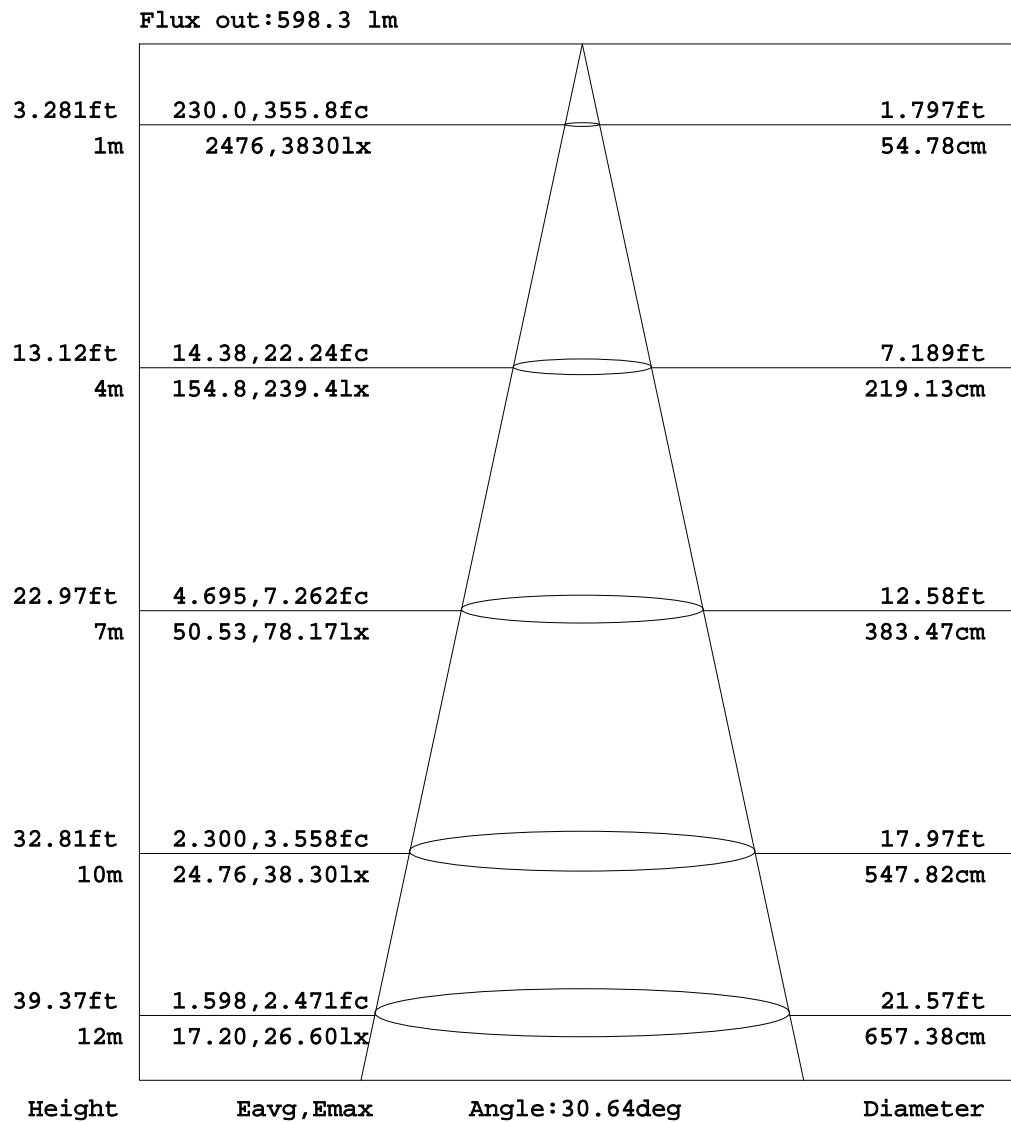
## ISOLUX DIAGRAM



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

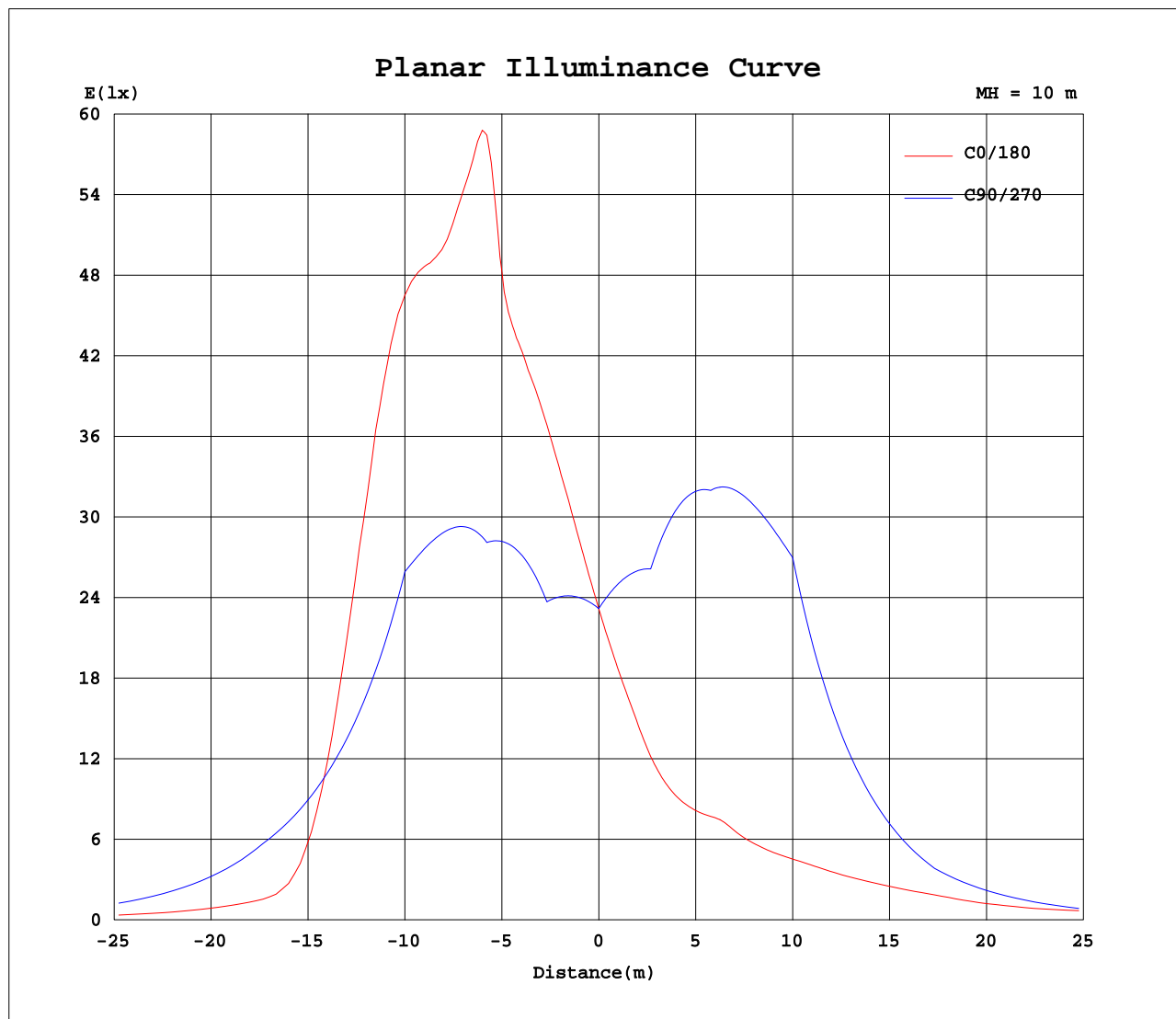


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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	4.44	11.0	18.4	25.3	27.7	29.9	36.4	46.2	54.2	57.5	55.3	51.0	48.1	50.5	51.7	48.5	46.3	46.4	48.9
-70	3.49	13.3	24.2	37.4	40.3	40.4	52.2	62.6	70.3	72.5	70.2	66.5	65.1	73.2	71.4	85.6	112	147	184
-65	2.54	15.6	30.1	49.6	53.0	50.9	68.0	78.9	86.3	87.5	85.1	82.0	82.1	95.9	91.0	123	177	247	320
-60	1.59	17.9	35.9	61.8	65.6	61.5	83.9	95.2	102	102	100.0	97.6	99.1	119	111	160	243	347	455
-55	1.13	19.3	44.0	81.1	75.4	69.4	93.6	104	110	110	109	106	108	130	151	223	323	437	548
-50	0.67	20.8	52.2	100	85.1	77.4	103	113	117	118	118	115	116	141	191	287	404	526	640
-45	0.21	22.3	60.3	120	94.9	85.4	113	122	124	125	127	123	125	153	231	350	485	615	733
-40	0.21	23.2	74.5	134	103	92.4	120	127	128	128	126	121	123	146	209	306	417	528	633
-35	0.22	24.1	88.6	148	111	99.3	126	132	131	131	125	119	120	139	187	263	350	441	533
-30	0.22	25.1	103	162	119	106	133	137	135	134	124	116	118	132	165	219	282	354	433
-25	0.22	27.4	107	168	125	113	138	139	135	132	122	116	117	126	152	196	250	310	376
-20	0.22	29.6	111	174	131	120	142	141	135	130	121	117	116	120	138	173	218	266	320
-15	0.22	31.9	116	180	137	127	147	142	135	128	119	117	114	114	125	150	186	222	263
-10	0.22	35.8	111	181	139	129	148	143	136	128	120	118	116	113	123	145	178	213	253
-5	0.22	39.7	106	182	141	130	149	144	136	128	120	120	117	113	120	140	171	203	242
0	0.22	43.6	101	183	143	132	149	145	137	128	121	121	119	113	118	135	163	194	232
5	0.22	41.5	99.9	178	138	126	146	143	137	129	121	120	117	115	123	144	177	211	251
10	0.22	39.5	99.1	173	132	121	143	142	137	130	121	118	116	116	127	152	190	228	271
15	0.22	37.5	98.2	168	127	115	140	141	137	131	121	117	115	118	131	160	203	245	290
20	0.21	31.7	87.2	153	120	107	133	137	135	132	124	118	116	124	148	187	240	296	358
25	0.21	25.8	76.2	137	113	98.4	127	133	134	134	127	118	117	131	165	214	276	347	425
30	0.21	20.0	65.2	122	106	90.1	121	130	133	135	129	119	119	138	181	240	312	397	492
35	0.21	15.5	56.7	101	94.7	82.8	112	123	127	129	126	120	120	141	191	266	364	473	583
40	0.21	11.0	48.3	81.2	83.7	75.6	104	115	121	123	122	122	122	143	200	293	416	549	673
45	0.21	6.46	39.8	61.0	72.7	68.4	95.5	108	115	117	118	123	124	146	209	319	468	625	763
50	0.21	4.42	31.9	48.9	58.8	58.9	83.8	96.9	105	106	107	109	109	123	166	245	362	491	611
55	0.20	2.37	24.0	36.8	44.8	49.5	72.0	85.6	94.5	95.9	95.2	95.6	94.2	100	123	172	255	356	459
60	0.19	0.33	16.1	24.8	30.9	40.1	60.3	74.3	84.1	85.3	83.5	81.8	79.5	77.4	80.5	97.9	148	222	308
65	0.19	0.28	10.9	17.6	22.9	30.0	44.4	55.1	62.9	67.0	65.8	64.6	63.9	64.5	68.7	80.7	113	162	218
70	0.19	0.23	5.58	10.5	15.0	19.9	28.6	36.0	41.7	48.7	48.2	47.4	48.3	51.7	56.9	63.4	77.4	101	129
75	0.19	0.19	0.30	3.38	6.98	9.77	12.8	16.8	20.5	30.4	30.5	30.2	32.7	38.9	45.1	46.2	42.2	40.8	39.3
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
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	51.8	52.1	47.2	42.3	36.1	33.6	33.5	32.4	29.4	24.3	19.6	15.7	12.6	7.00	0.96	0.52	0.54	0.57	
-70	216	236	239	222	178	120	69.5	45.3	41.4	34.0	27.9	23.2	19.7	15.7	8.60	2.37	0.54	0.56	
-65	381	421	431	402	319	207	106	58.1	53.4	43.7	36.1	30.6	26.8	24.5	16.2	4.23	0.53	0.56	
-60	545	605	622	582	461	293	142	70.9	65.4	53.5	44.4	38.0	33.9	33.2	23.9	6.08	0.53	0.55	
-55	643	714	754	758	721	666	585	410	179	67.3	55.0	46.4	40.7	37.4	28.5	11.7	0.80	0.53	
-50	740	822	886	934	981	1039	1028	750	292	81.1	65.6	54.9	47.6	41.6	33.2	17.3	1.08	0.52	
-45	837	931	1018	1110	1241	1413	1471	1089	406	95.0	76.2	63.3	54.5	45.8	37.9	22.9	1.35	0.50	
-40	731	826	924	1020	1133	1285	1413	1269	769	257	92.3	71.5	59.5	49.2	41.2	28.0	4.34	0.48	
-35	625	721	830	930	1026	1158	1355	1448	1132	419	108	79.6	64.4	52.5	44.6	33.1	7.33	0.45	
-30	519	616	735	840	918	1030	1297	1627	1495	581	124	87.8	69.3	55.8	47.9	38.2	10.3	0.42	
-25	450	535	639	744	866	1011	1212	1501	1498	796	209	96.4	73.2	57.1	48.6	39.0	12.3	0.39	
-20	382	455	544	649	813	992	1128	1375	1501	1011	294	105	77.1	58.4	49.3	39.8	14.3	0.36	
-15	313	374	448	553	761	973	1044	1249	1504	1226	379	114	81.0	59.7	50.0	40.5	16.2	0.33	
-10	302	362	435	533	710	949	1025	1198	1441	1218	425	117	83.1	60.3	49.4	38.6	17.3	0.32	
-5	291	350	422	513	659	924	1006	1148	1379	1211	471	120	85.3	60.8	48.8	36.7	18.4	0.31	
0	279	338	409	493	608	900	987	1098	1316	1203	517	124	87.4	61.4	48.2	34.7	19.5	0.30	
5	300	360	433	530	690	933	1018	1173	1392	1208	472	121	85.7	61.1	48.1	34.7	19.4	0.30	
10	321	382	457	567	772	966	1049	1247	1468	1212	427	118	83.9	60.7	48.1	34.7	19.2	0.30	
15	341	404	481	604	854	999	1080	1321	1544	1217	382	116	82.2	60.4	48.0	34.7	19.0	0.31	
20	425	500	586	701	902	1046	1193	1447	1539	1020	297	107	78.4	59.3	48.8	36.5	18.6	0.31	
25	508	595	690	797	950	1093	1305	1573	1535	823	211	99.1	74.7	58.3	49.5	38.3	18.1	0.31	
30	591	691	795	894	998	1140	1417	1699	1530	626	125	90.9	70.9	57.3	50.2	40.1	17.7	0.32	
35	690	793	895	998	1109	1254	1446	1498	1161	453	109	82.4	67.1	54.8	48.4	38.2	16.2	0.32	
40	789	895	996	1102	1220	1368	1476	1297	792	279	93.3	73.8	63.3	52.2	46.6	36.4	14.7	0.33	
45	887	997	1096	1206	1330	1483	1505	1097	423	106	77.4	65.3	59.5	49.7	44.7	34.5	13.3	0.34	
50	722	817	890	951	1002	1062	1040	753	302	88.5	67.3	58.3	51.9	45.6	40.9	30.3	11.3	0.34	
55	557	638	684	695	674	641	576	409	181	71.2	57.2	51.3	44.2	41.5	37.1	26.1	9.25	0.34	
60	392	458	477	440	345	220	111	64.4	60.4	53.9	47.1	44.2	36.6	37.3	33.3	21.9	7.24	0.33	
65	274	317	329	303	240	156	84.2	53.3	49.8	43.9	38.5	35.9	31.9	30.9	26.0	16.4	5.17	0.34	
70	155	177	181	167	134	93.0	57.5	42.1	39.1	34.0	29.9	27.7	27.3	24.5	18.8	10.8	3.09	0.34	
75	37.0	36.0	32.6	30.6	28.6	29.7	30.7	31.0	28.5	24.0	21.3	19.4	22.6	18.1	11.6	5.31	1.02	0.34	
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: