

## 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 %

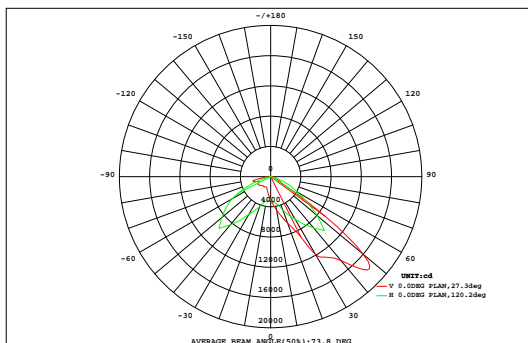
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Operators:YangWenPeng  
Test Date:2019-06-13

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:125.3lm/W	
MODEL	TP500-W200	Imax(cd)	22704
NOMINAL POWER(W)	200.7	AVAILABILITY(%)	86.1
RATED VOLTAGE(V)	186	Avai. FLUX(lm)	21640
NOMINAL FLUX(lm)	25147.7	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	25148
TEST VOLTAGE(V)	186.2	θ @50%(H,V)	31,93DEG

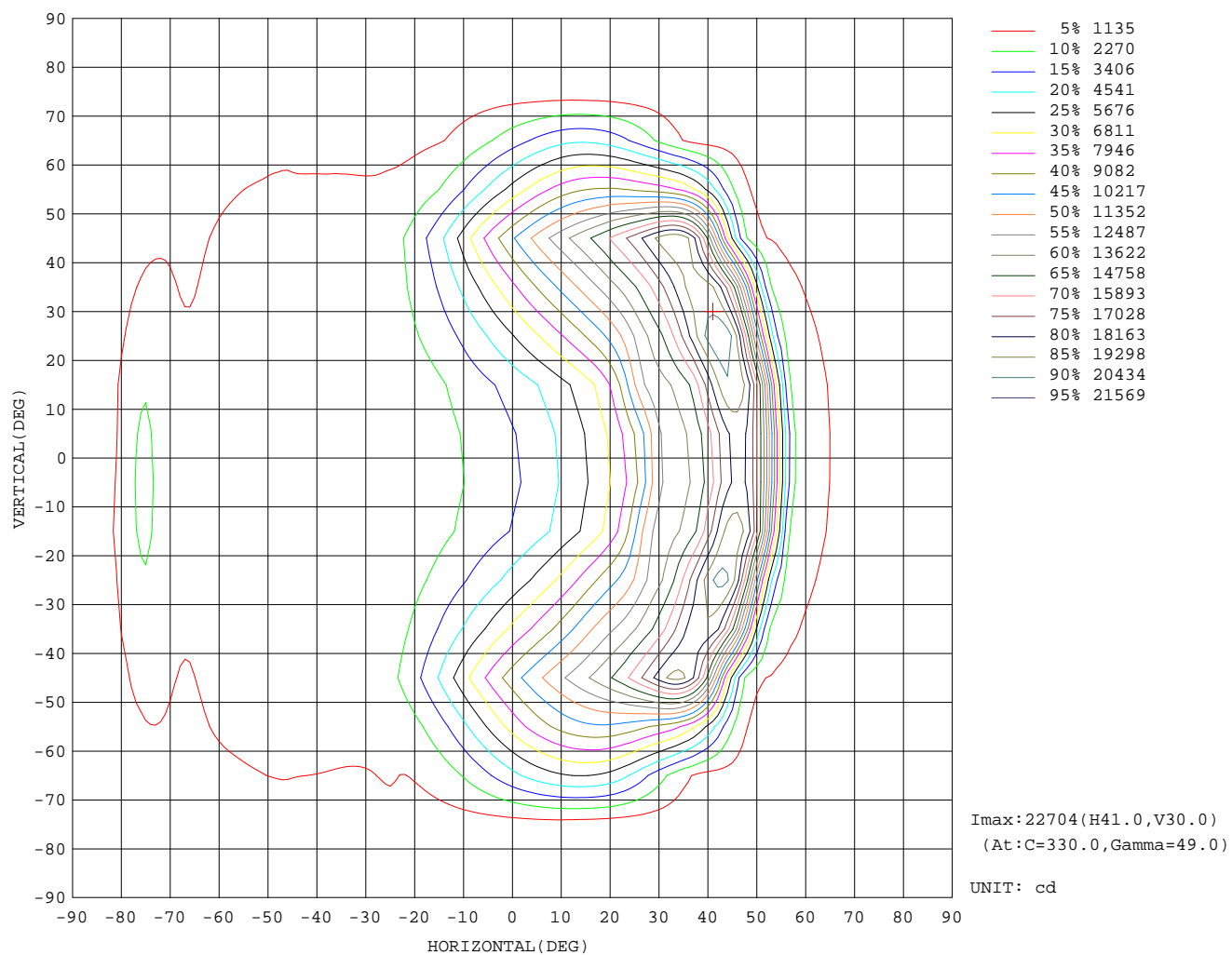
VERTICAL( DEG )	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.30	1.27	2.92	6.00	7.56	10.7	13.1	12.2	11.2	9.68	7.97	7.55	6.10	3.73	2.65	0.96	0.07	104	0.00
80	0.13	1.89	5.47	12.7	18.9	21.3	23.7	32.7	65.3	109	126	86.7	29.9	14.1	9.08	5.55	2.74	0.32	565	340
70	0.35	3.76	9.20	20.1	27.9	31.7	36.3	63.9	136	217	257	225	151	48.7	13.4	7.68	3.92	0.53	1253	1040
60	0.75	6.42	12.8	24.9	33.2	40.2	55.3	127	249	354	426	487	474	141	18.2	10.1	4.55	0.71	2465	2265
50	1.09	9.90	15.6	28.2	36.5	39.8	53.0	105	190	276	347	405	469	316	37.6	11.6	5.05	0.83	2347	2139
40	1.42	13.0	18.3	30.8	38.2	39.3	49.5	83.8	137	202	268	339	440	428	67.1	13.1	5.30	0.90	2176	1949
30	1.74	15.4	20.8	32.3	36.9	38.7	43.5	63.3	98.6	137	189	303	363	415	117	14.7	5.09	0.87	1896	1642
20	1.93	16.6	22.4	32.9	36.6	39.4	42.4	56.6	85.0	121	169	257	339	378	131	15.2	5.09	0.90	1749	1484
10	2.07	17.2	23.3	33.2	36.3	39.6	41.8	53.9	79.3	114	161	239	329	366	134	15.3	5.14	0.91	1691	1416
0	2.14	16.7	22.5	32.7	36.2	38.6	42.1	59.0	89.3	126	175	278	350	404	116	14.4	5.29	0.89	1809	1547
-10	1.81	15.5	20.4	31.8	37.0	38.6	46.9	76.8	125	181	248	316	403	395	67.4	12.8	5.10	0.77	2023	1784
-20	1.48	13.8	18.2	30.3	37.1	39.2	52.3	101	173	247	321	370	444	326	30.8	11.2	4.74	0.60	2221	2001
-30	1.18	11.1	15.8	27.9	35.7	40.9	58.8	137	246	335	395	454	463	138	17.9	9.30	4.01	0.33	2390	2190
-40	0.94	7.83	12.9	23.9	31.3	35.2	45.6	88.6	175	256	291	262	189	57.6	12.9	7.03	2.99	0.15	1499	1289
-50	0.69	4.88	9.56	18.6	25.3	27.7	32.2	46.9	100	158	170	104	21.5	10.0	8.36	4.67	1.80	0.03	745	528
-60	0.47	2.60	5.24	10.8	16.1	16.8	18.3	18.9	21.7	28.1	28.7	20.3	11.5	8.32	4.53	2.13	0.33	0.02	215	28.4
-70	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	0.00	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	18.2	157	234	394	489	535	652	1128	1982	2871	3583	4154	4483	3452	788	157	62.1	8.82	25148	---
Φ a	0.00	22.3	0.00	0.00	0.00	0.00	59.1	773	1894	2838	3560	4112	4403	3370	610	0.00	0.00	0.00	---	21640

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:

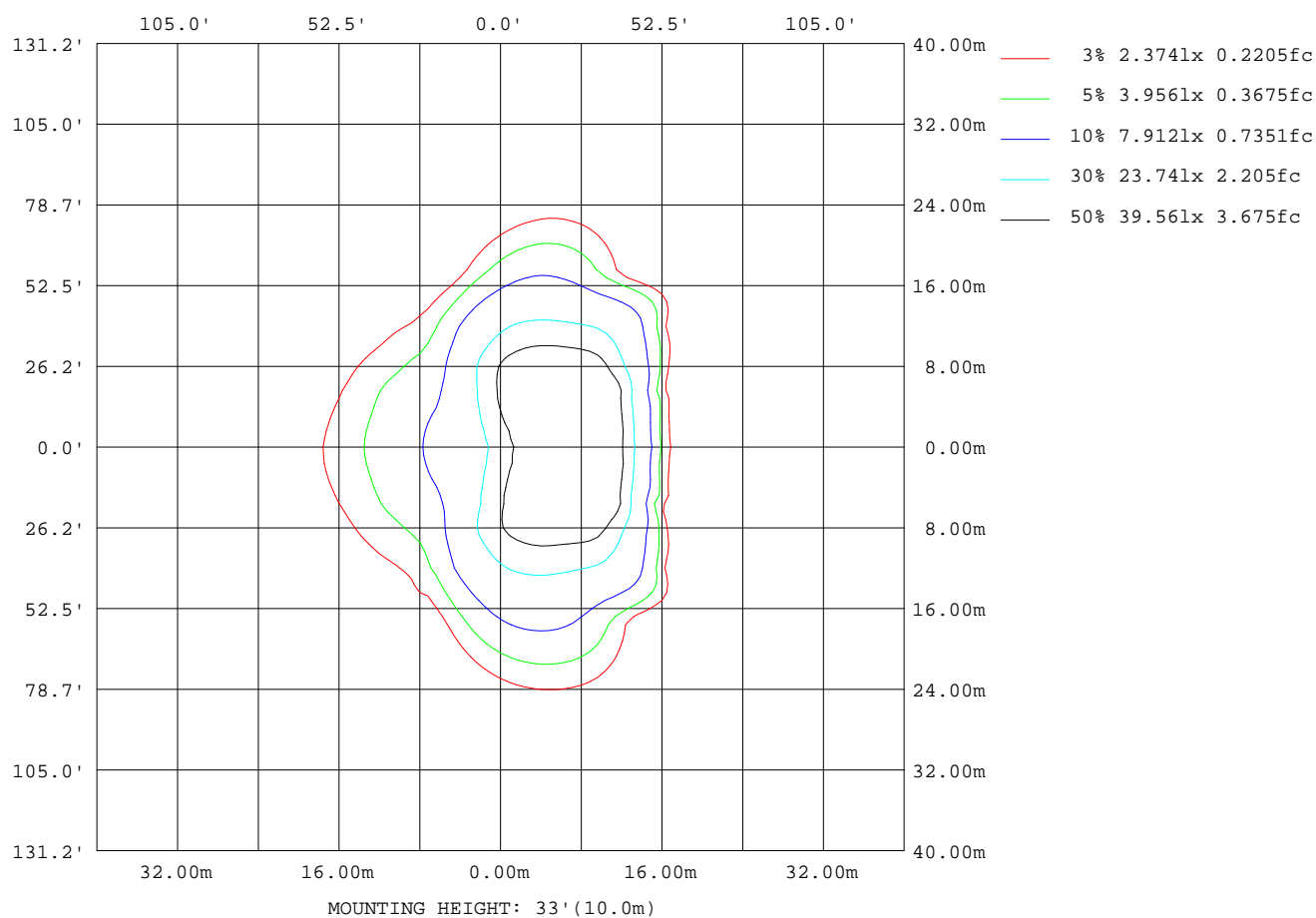
## ISOCANDELA DIAGRAM



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:

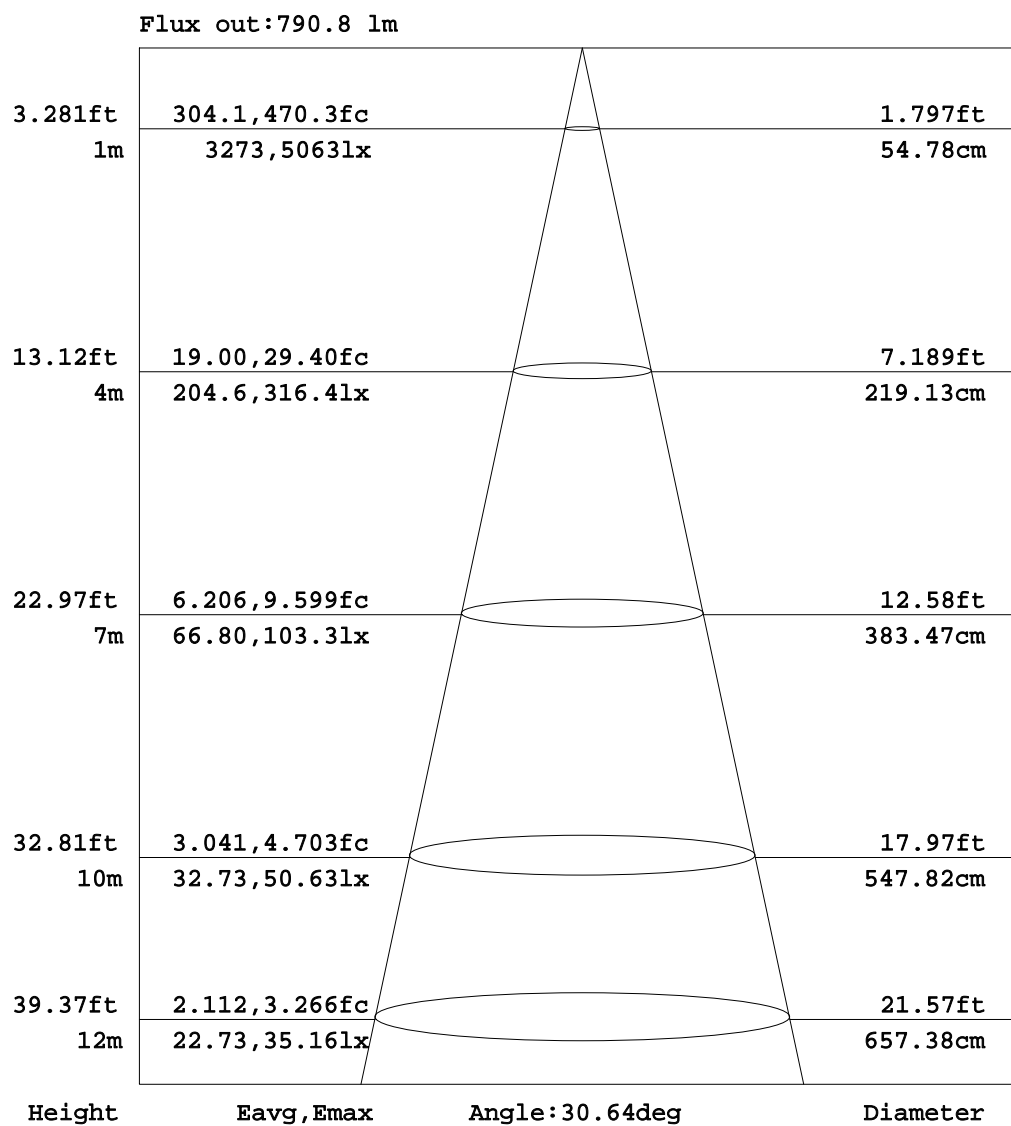
## ISOLUX DIAGRAM



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

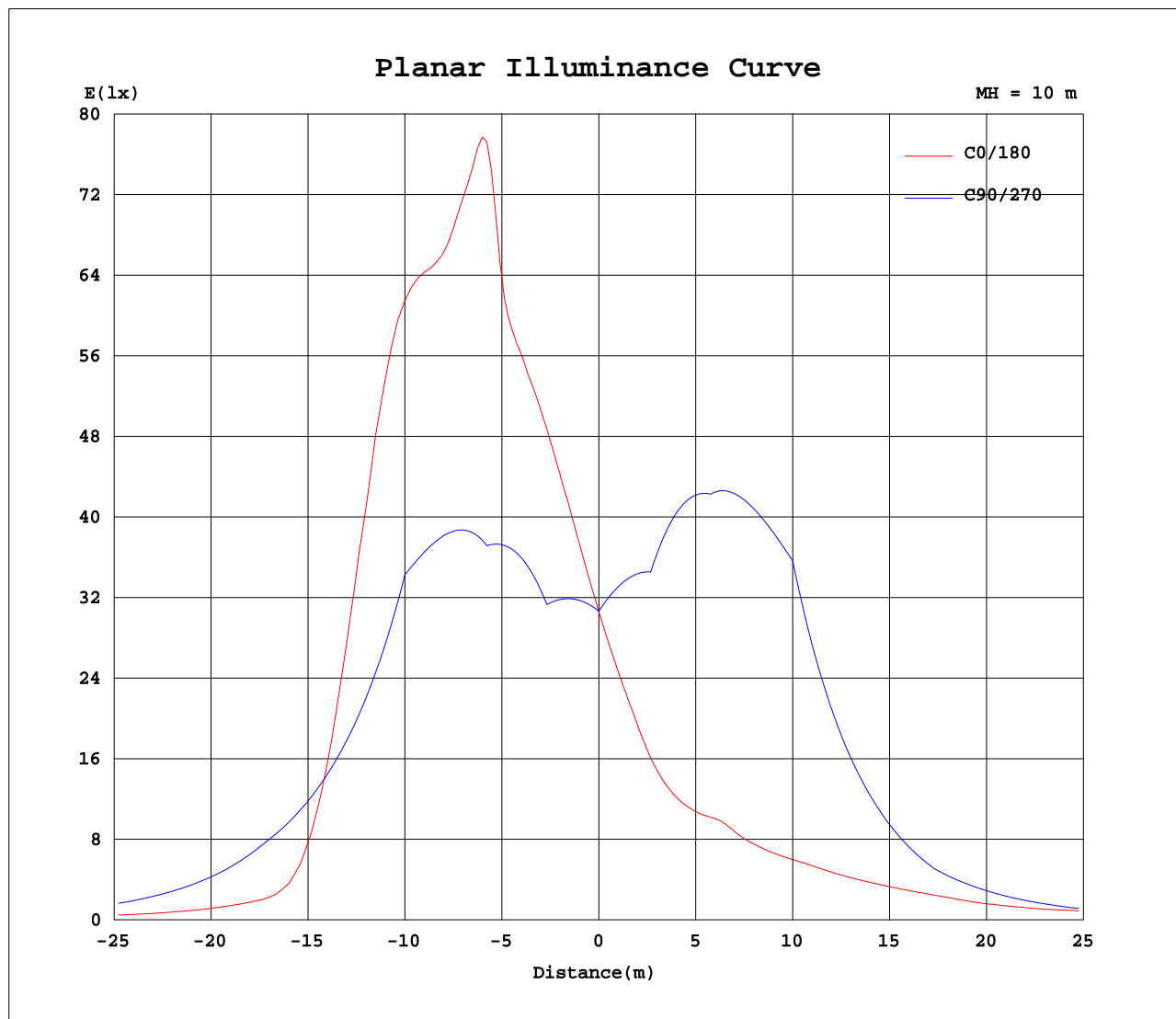


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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	5.86	14.5	24.3	33.4	36.6	39.5	48.1	61.1	71.7	76.0	73.1	67.4	63.6	66.7	68.3	64.0	61.3	61.3	64.6
-70	4.61	17.5	32.1	49.5	53.3	53.4	69.0	82.7	92.9	95.8	92.8	87.9	86.1	96.7	94.3	113	148	194	244
-65	3.36	20.6	39.8	65.6	70.0	67.3	89.9	104	114	116	112	108	108	127	120	162	234	327	423
-60	2.10	23.6	47.5	81.6	86.8	81.3	111	126	135	135	132	129	131	157	146	211	321	459	602
-55	1.50	25.6	58.2	107	99.7	91.8	124	137	145	146	144	140	142	172	199	295	427	577	724
-50	0.89	27.5	69.0	133	113	102	137	149	154	156	156	152	154	187	252	379	534	695	846
-45	0.28	29.4	79.7	158	125	113	150	161	164	166	168	163	165	202	305	462	641	813	969
-40	0.28	30.7	98.4	177	136	122	158	167	169	169	166	160	162	193	276	405	551	698	837
-35	0.29	31.9	117	195	147	131	167	174	174	173	165	157	159	184	247	347	462	583	704
-30	0.29	33.2	136	214	157	141	176	181	178	176	163	154	156	175	218	289	373	467	572
-25	0.29	36.2	141	222	165	150	182	183	179	174	161	154	154	166	201	259	330	410	497
-20	0.29	39.2	147	230	173	159	188	186	179	171	160	154	153	158	183	229	288	352	422
-15	0.29	42.2	153	238	181	168	194	188	179	169	158	154	151	150	165	198	245	294	347
-10	0.29	47.3	146	239	184	170	195	189	180	169	158	156	153	150	162	192	235	281	334
-5	0.29	52.4	140	241	186	172	196	190	180	169	159	158	155	150	159	185	226	269	320
0	0.29	57.6	133	242	189	175	197	191	181	170	159	160	157	150	156	178	216	257	306
5	0.29	54.9	132	235	182	167	193	190	181	171	160	158	155	152	162	190	233	279	332
10	0.29	52.2	131	229	175	160	189	188	181	172	160	156	154	153	168	201	251	302	358
15	0.29	49.6	130	222	168	152	185	186	180	173	160	155	152	155	173	212	269	324	383
20	0.28	41.8	115	202	158	141	176	181	179	175	164	155	154	165	196	247	317	391	473
25	0.28	34.1	101	181	149	130	168	176	177	177	167	156	155	174	218	282	365	458	562
30	0.28	26.4	86.2	161	140	119	160	172	176	178	171	157	157	183	240	317	413	525	651
35	0.28	20.4	75.0	134	125	109	149	162	168	170	166	159	159	186	252	352	482	626	770
40	0.28	14.5	63.8	107	111	99.9	137	153	160	162	161	161	161	190	264	387	550	726	889
45	0.28	8.54	52.6	80.6	96.1	90.4	126	143	153	155	156	163	163	193	276	422	619	827	1008
50	0.27	5.84	42.2	64.7	77.7	77.9	111	128	139	141	141	145	144	163	220	324	478	649	808
55	0.26	3.14	31.8	48.7	59.2	65.4	95.2	113	125	127	126	126	125	132	163	227	337	471	607
60	0.25	0.44	21.3	32.7	40.8	52.9	79.7	98.2	111	113	110	108	105	102	106	129	196	293	407
65	0.25	0.37	14.3	23.3	30.3	39.6	58.8	72.9	83.1	88.6	87.0	85.4	84.4	85.3	90.8	107	149	214	288
70	0.25	0.31	7.38	13.9	19.8	26.3	37.8	47.6	55.1	64.4	63.7	62.7	63.8	68.4	75.2	83.8	102	134	170
75	0.24	0.24	0.40	4.47	9.23	12.9	16.9	22.3	27.1	40.2	40.3	40.0	43.2	51.4	59.6	61.0	55.7	54.0	52.0
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	68.5	68.8	62.4	55.9	47.8	44.5	44.2	42.9	38.8	32.1	25.9	20.8	16.6	9.25	1.26	0.68	0.71	0.76	
-70	286	313	316	294	235	159	91.8	59.8	54.7	45.0	36.8	30.6	26.0	20.8	11.4	3.14	0.71	0.75	
-65	504	556	569	531	422	273	139	76.8	70.5	57.8	47.8	40.4	35.4	32.4	21.5	5.59	0.70	0.74	
-60	721	800	823	769	609	388	187	93.7	86.4	70.7	58.7	50.2	44.8	43.9	31.6	8.04	0.69	0.73	
-55	849	944	997	1002	953	881	773	542	236	89.0	72.7	61.4	53.9	49.5	37.7	15.5	1.06	0.71	
-50	978	1087	1171	1234	1297	1374	1359	991	387	107	86.7	72.5	63.0	55.0	43.9	22.9	1.42	0.69	
-45	1106	1231	1346	1467	1640	1867	1945	1440	537	126	101	83.6	72.1	60.6	50.0	30.3	1.79	0.67	
-40	966	1092	1221	1348	1498	1699	1868	1677	1016	340	122	94.5	78.6	65.0	54.5	37.0	5.74	0.63	
-35	826	953	1096	1229	1356	1530	1791	1914	1496	554	143	105	85.1	69.4	58.9	43.8	9.69	0.59	
-30	686	814	972	1110	1213	1362	1714	2151	1976	768	165	116	91.7	73.8	63.3	50.6	13.6	0.56	
-25	595	708	845	984	1144	1337	1602	1984	1980	1052	277	127	96.8	75.5	64.2	51.6	16.2	0.52	
-20	505	601	719	858	1075	1311	1491	1817	1984	1336	389	139	102	77.2	65.2	52.6	18.8	0.48	
-15	414	494	592	731	1006	1286	1380	1650	1988	1621	502	150	107	78.9	66.1	53.6	21.4	0.44	
-10	399	478	575	705	938	1254	1355	1584	1905	1610	562	155	110	79.7	65.3	51.0	22.9	0.42	
-5	384	462	558	678	871	1221	1329	1518	1822	1600	623	159	113	80.4	64.5	48.5	24.4	0.41	
0	369	446	541	652	804	1189	1304	1452	1739	1590	684	163	116	81.2	63.7	45.9	25.8	0.39	
5	396	476	572	701	912	1233	1345	1550	1840	1596	624	160	113	80.7	63.6	45.9	25.6	0.40	
10	424	505	604	750	1021	1277	1387	1648	1940	1602	565	156	111	80.2	63.6	45.9	25.4	0.40	
15	451	534	636	799	1129	1320	1428	1747	2041	1609	506	153	109	79.8	63.5	45.9	25.2	0.41	
20	562	660	774	926	1193	1383	1576	1913	2035	1348	392	142	104	78.4	64.5	48.3	24.6	0.41	
25	672	787	913	1054	1256	1445	1725	2079	2029	1088	279	131	98.7	77.1	65.4	50.6	24.0	0.41	
30	782	913	1051	1182	1319	1507	1873	2245	2023	827	166	120	93.7	75.7	66.4	53.0	23.4	0.42	
35	912	1048	1184	1319	1466	1658	1912	1980	1535	598	144	109	88.7	72.4	64.0	50.5	21.4	0.43	
40	1042	1183	1316	1457	1612	1809	1950	1715	1047	369	123	97.6	83.7	69.0	61.6	48.1	19.5	0.44	
45	1173	1318	1449	1594	1758	1960	1989	1450	560	140	102	86.3	78.7	65.7	59.1	45.6	17.5	0.44	
50	954	1081	1176	1256	1324	1403	1375	995	400	117	88.9	77.0	68.6	60.3	54.1	40.0	14.9	0.44	
55	736	843	904	919	890	847	761	540	240	94.1	75.6	67.8	58.5	54.8	49.0	34.5	12.2	0.44	
60	518	605	631	581	456	291	147	85.1	79.9	71.2	62.2	58.5	48.4	49.3	44.0	28.9	9.57	0.44	
65	362	419	435	401	317	207	111	70.4	65.8	58.1	50.9	47.5	42.2	40.9	34.4	21.6	6.83	0.44	
70	205	233	239	221	177	123	75.9	55.7	51.7	44.9	39.5	36.6	36.1	32.4	24.9	14.3	4.09	0.45	
75	48.9	47.6	43.1	40.4	37.8	39.2	40.6	41.0	37.6	31.8	28.1	25.6	29.9	24.0	15.3	7.02	1.34	0.45	
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: