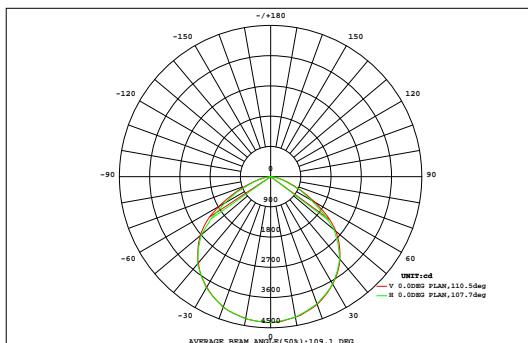


## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.2V I:0.3621A P:78.88W PF:0.9894 Lamp Flux:11387.9x1 lm		
NAME: EV75B1205	TYPE:	WEIGHT:4.27KG
SPEC.:	DIM.: 368*333*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:272*170mm	PROTECTION ANGLE:



DATA OF LAMP		Eff:144.37lm/W	
MODEL	EV75B1205	Imax(cd)	4344
NOMINAL POWER(W)	75	AVAILABILITY(%)	97.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	11129
NOMINAL FLUX(lm)	11387.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	11388
TEST VOLTAGE(V)	220	θ @50%(H,V)	111,108DEG

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	0.03	0.25	1.08	2.57	4.54	6.59	8.45	9.88	10.7	10.7	9.93	8.55	6.75	4.73	2.77	1.22	0.33	0.03	89.0	20.6
70	0.04	0.66	2.44	5.72	10.5	16.1	21.6	26.0	28.3	28.0	25.4	21.1	15.9	10.5	5.91	2.57	0.73	0.06	221	197
60	0.08	1.12	4.36	10.9	21.0	33.1	44.6	53.2	57.4	56.9	51.8	42.7	31.4	20.1	10.8	4.47	1.19	0.10	445	435
50	0.13	1.64	6.81	17.9	34.7	53.2	69.4	81.0	86.7	86.3	79.7	67.2	50.5	32.4	17.0	6.78	1.73	0.14	693	687
40	0.17	2.21	9.51	25.6	47.9	69.0	86.3	98.6	105	105	97.6	84.6	66.8	44.8	23.6	9.23	2.27	0.18	878	873
30	0.20	2.70	12.1	32.2	56.6	78.5	97.0	110	117	117	109	95.5	76.7	54.3	29.8	11.5	2.77	0.22	1004	1001
20	0.23	3.11	14.2	36.9	61.9	84.9	104	118	125	125	117	103	83.0	59.7	34.2	13.2	3.12	0.24	1088	1085
10	0.25	3.34	15.3	39.1	64.6	88.3	108	123	130	130	122	107	86.5	62.7	36.8	14.3	3.35	0.26	1134	1131
0	0.25	3.40	15.6	39.6	65.2	88.9	109	123	131	131	122	107	87.0	63.0	37.0	14.3	3.35	0.26	1141	1138
-10	0.24	3.22	14.6	37.7	63.1	86.6	106	121	128	128	119	105	84.6	61.2	35.3	13.6	3.21	0.25	1110	1107
-20	0.22	2.88	12.8	33.6	58.7	81.2	100	114	121	120	113	98.3	79.2	56.4	31.1	11.9	2.84	0.22	1037	1034
-30	0.19	2.38	10.2	27.1	50.5	72.3	90.2	103	109	109	102	88.4	70.3	48.1	25.3	9.76	2.39	0.20	921	916
-40	0.15	1.84	7.53	19.7	38.1	58.1	74.9	86.8	92.7	92.4	85.6	72.9	55.8	35.7	18.4	7.22	1.84	0.16	750	744
-50	0.11	1.29	4.94	12.3	23.6	37.5	51.3	61.4	66.4	65.9	60.2	49.6	35.9	22.6	12.0	4.86	1.30	0.13	512	502
-60	0.08	0.83	2.88	6.70	12.2	18.6	25.0	30.2	33.1	32.9	29.9	24.6	18.2	11.9	6.49	2.77	0.81	0.09	257	238
-70	0.06	0.42	1.38	2.96	5.03	7.11	8.92	10.3	11.2	11.2	10.5	8.88	6.88	4.76	2.75	1.26	0.42	0.07	94.1	19.9
-80	0.03	0.09	0.29	0.62	0.94	1.16	1.27	1.26	1.22	1.16	1.11	1.02	0.87	0.64	0.41	0.20	0.08	0.03	12.4	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	2.47	31.4	136	351	619	881	1107	1271	1354	1350	1257	1085	856	593	330	129	31.7	2.63	11388	---
Φ a	0.00	11.1	119	336	603	866	1092	1256	1339	1335	1242	1071	841	579	314	112	10.8	0.00	---	11129

one-half-peak spread: U:54.9,D:53.1 , L:56.8,R:54.2

NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-6-2

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:11.710m [K=1.0248]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:220.2V I:0.3621A P:78.88W PF:0.9894 Lamp Flux:11387.9x1 lm		
NAME: EV75B1205	TYPE:	WEIGHT:4.27KG
SPEC.:	DIM.: 368*333*74mm	SERIAL No.:1
MFR.: Integrattech	SUR.:272*170mm	PROTECTION ANGLE:

Conical surface Flux(90deg):

6762.7 lm

%lum = 59.5%

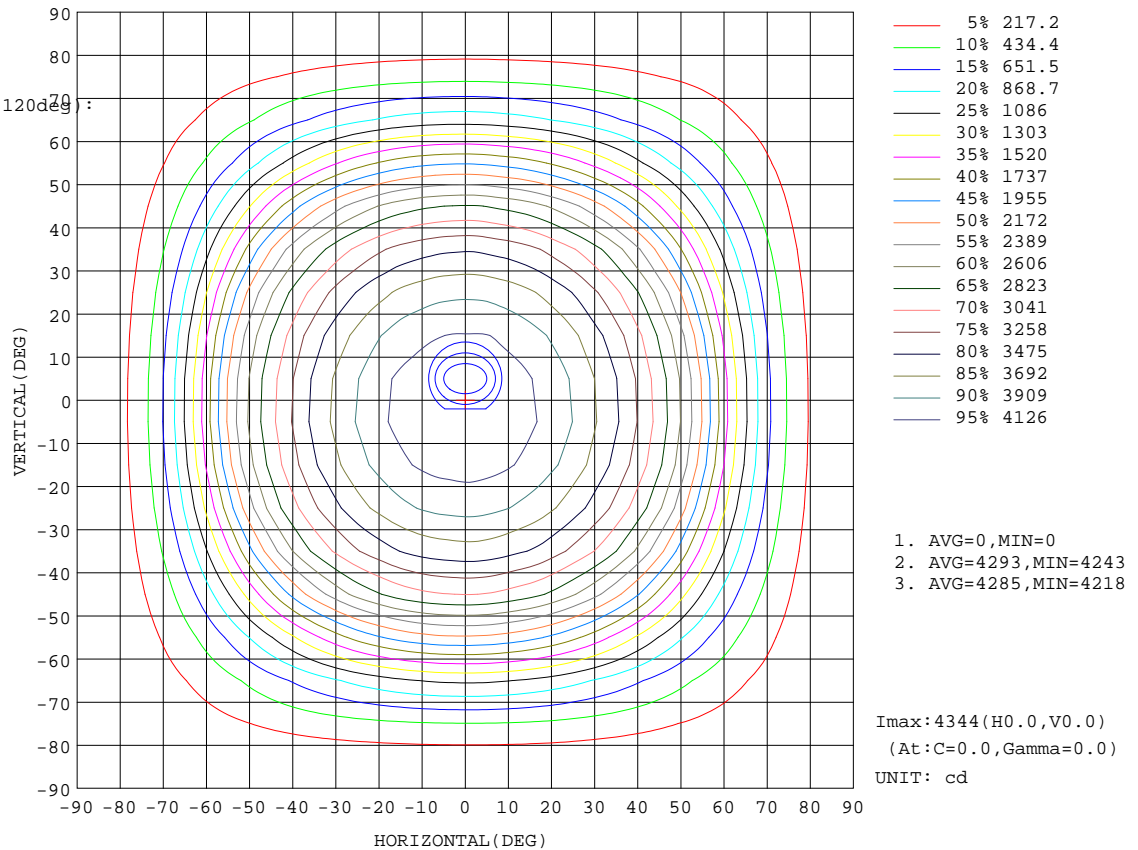
%lamp = 59.4%

Conical surface Flux(120deg):

9778.5 lm

%lum = 86.0%

%lamp = 85.9%

H( $\beta$ ) Range:-90 - 90DEGH( $\beta$ ) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2022-6-2

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290

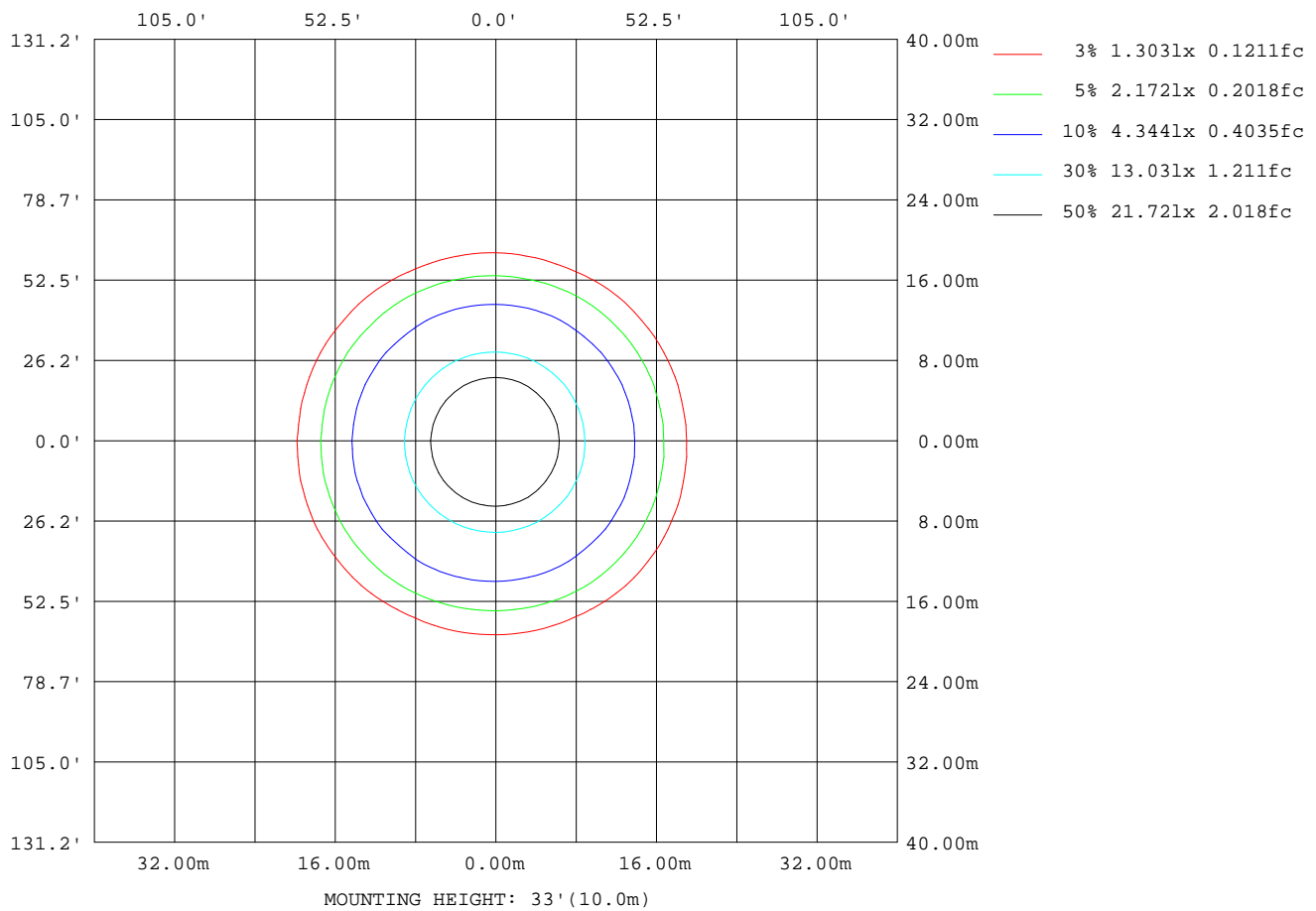
Humidity:65.0%

Test Distance:11.710m [K=1.0248]

Remarks:

### ISOLUX DIAGRAM

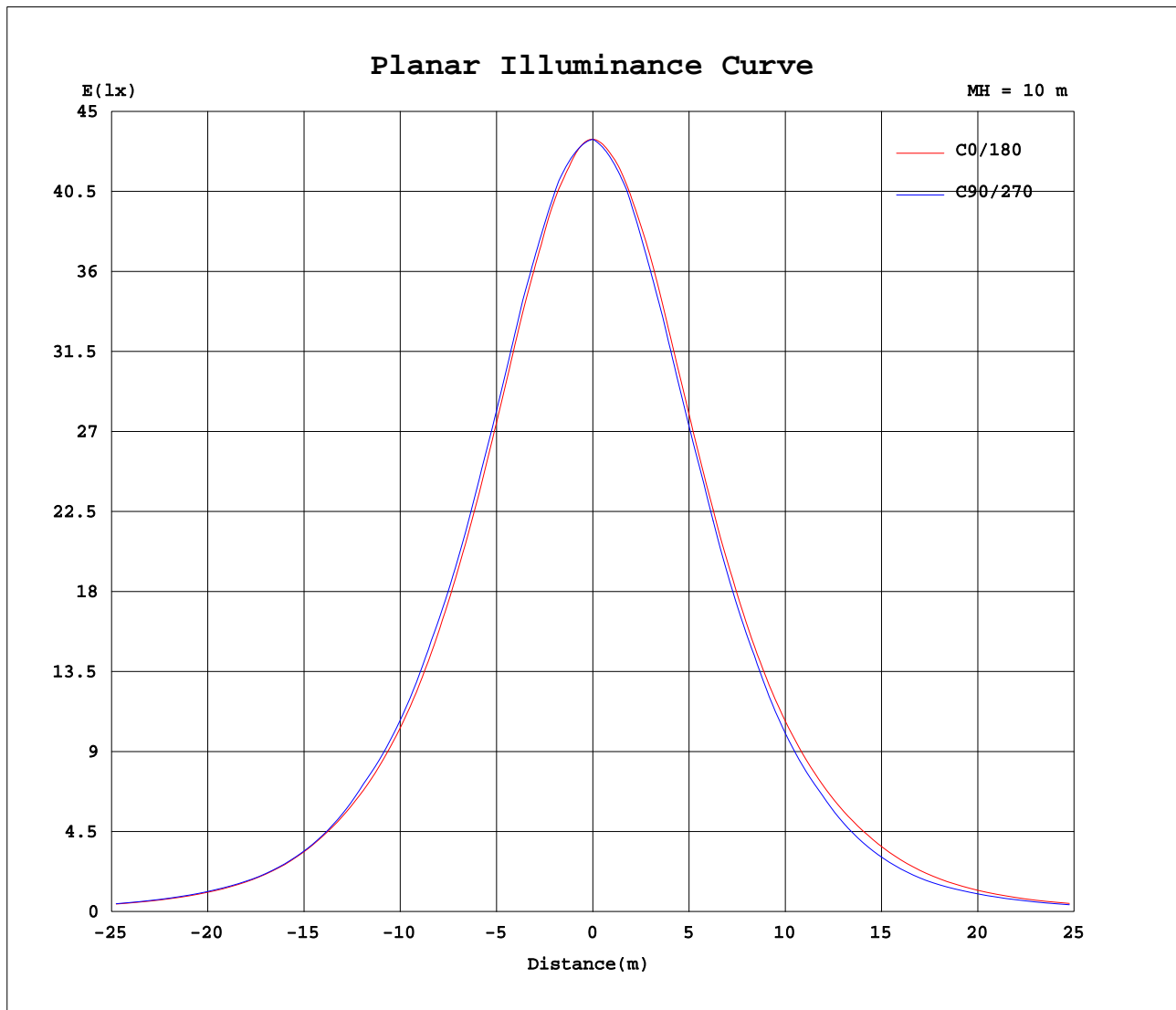
Test:U:220.2V I:0.3621A P:78.88W PF:0.9894 Lamp Flux:11387.9x1 lm		
NAME: EV75B1205	TYPE:	WEIGHT:4.27KG
SPEC.:	DIM.: 368*333*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:272*170mm	PROTECTION ANGLE:



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-6-2

V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:11.710m [K=1.0248]  
 Remarks:

## Planar Illuminance Curve

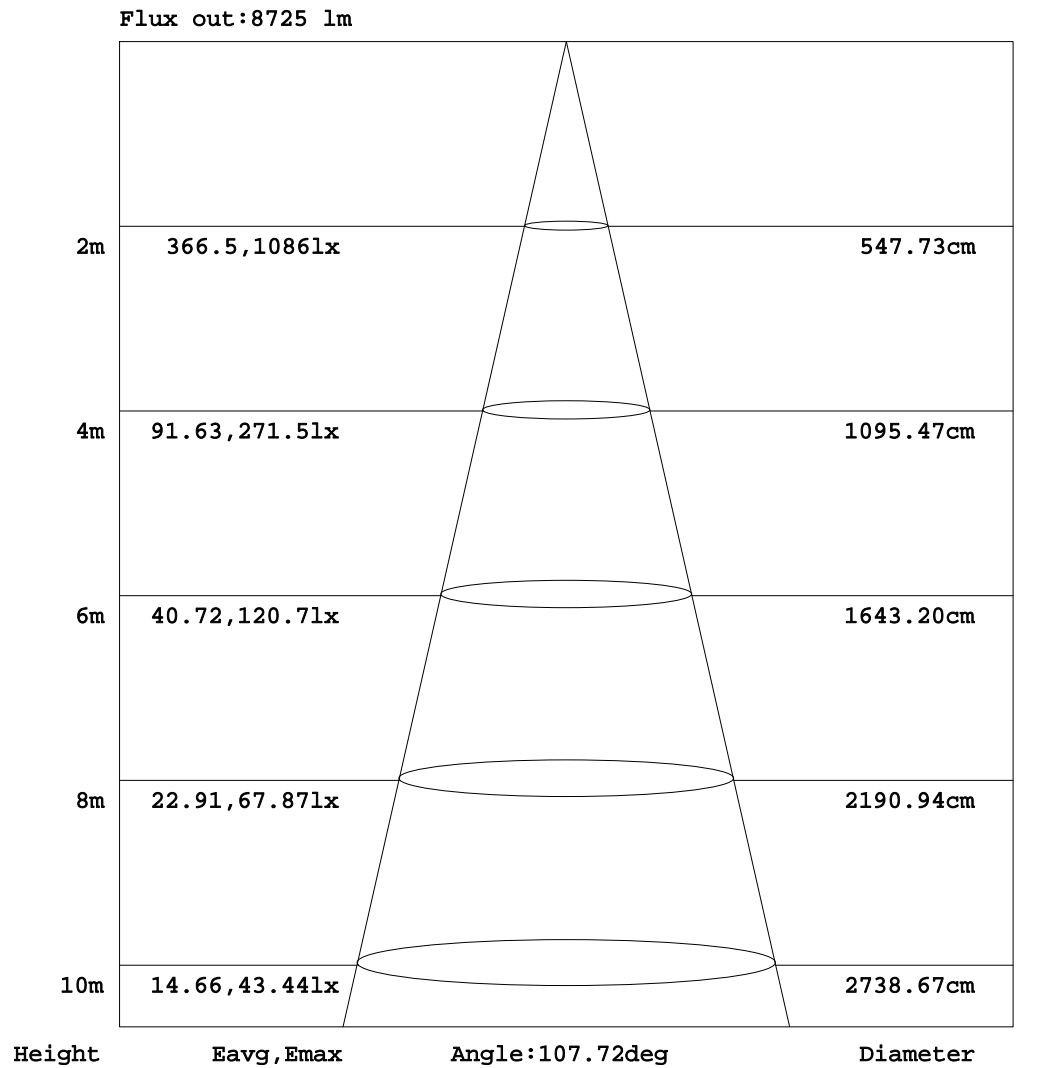


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-6-2

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:11.710m [K=1.0248]  
Remarks:

AAI Figure

Test:U:220.2V I:0.3621A P:78.88W PF:0.9894 Lamp Flux:11387.9x1 lm		
NAME: EV75B1205	TYPE:	WEIGHT:4.27KG
SPEC.:	DIM.: 368*333*74mm	SERIAL No.:1
MFR.: Integrattech	SUR.:272*170mm	PROTECTION ANGLE:



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: 25.3DEG  
Operators:  
Test Date: 2022-6-2

V(B) Range: -80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
Humidity: 65.0%  
Test Distance: 11.710m [K=1.0248]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:0.3621A P:78.88W PF:0.9894 Lamp Flux:11387.9x1 lm		
NAME: EV75B1205	TYPE:	WEIGHT:4.27KG
SPEC.:	DIM.: 368*333*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:272*170mm	PROTECTION ANGLE:

Table--1

UNIT: cd

H(DEC)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
V(DEC)	-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	20.6	23.4	23.5	29.0	44.7	64.5	85.5	106	125	142	157	168	177	184	189	192	193	193	193
-75	19.6	22.5	28.4	47.4	74.2	105	139	176	215	252	286	317	344	369	388	404	417	425	429
-70	19.4	22.7	39.4	75.7	115	158	207	261	320	375	428	477	520	561	595	624	645	659	666
-65	18.3	21.8	46.2	93.2	147	212	291	378	474	572	669	763	850	930	996	1052	1091	1118	1125
-60	18.1	24.7	70.5	131	201	295	409	531	667	807	949	1085	1212	1329	1420	1500	1551	1581	1585
-55	17.0	22.3	71.7	143	235	357	508	681	875	1075	1276	1473	1651	1811	1936	2032	2099	2139	2145
-50	16.9	30.0	101	188	314	476	673	903	1158	1423	1686	1937	2161	2349	2494	2597	2666	2702	2703
-45	15.9	24.8	98.3	198	341	536	780	1069	1384	1703	2008	2269	2487	2673	2809	2920	2992	3032	3046
-40	16.0	38.0	132	258	439	686	996	1357	1735	2111	2444	2696	2896	3057	3172	3278	3340	3369	3390
-35	15.1	27.9	123	254	451	722	1074	1478	1901	2288	2608	2862	3073	3244	3373	3481	3552	3589	3609
-30	15.3	44.3	157	320	558	886	1307	1766	2233	2606	2882	3117	3323	3488	3618	3718	3784	3819	3831
-25	14.4	31.3	143	304	551	898	1348	1839	2311	2680	2971	3222	3428	3606	3743	3852	3927	3968	3985
-20	14.5	54.2	181	373	665	1076	1581	2109	2553	2884	3161	3417	3607	3787	3914	4021	4091	4126	4141
-15	13.5	34.5	156	341	624	1032	1545	2088	2546	2890	3181	3444	3647	3830	3970	4084	4159	4201	4221
-10	13.4	60.8	190	405	723	1182	1726	2277	2685	3019	3306	3563	3764	3933	4076	4182	4250	4283	4303
-5	12.4	38.0	162	359	661	1102	1643	2202	2638	2980	3273	3535	3746	3926	4073	4184	4256	4297	4323
0	12.2	66.1	197	414	750	1230	1785	2329	2736	3061	3350	3595	3802	3976	4123	4218	4284	4322	4344
5	11.3	39.2	160	355	654	1092	1632	2186	2619	2957	3250	3511	3721	3899	4049	4163	4230	4274	4296
10	11.2	61.2	186	397	710	1161	1698	2233	2644	2976	3263	3516	3713	3888	4030	4138	4198	4240	4248
15	10.4	36.4	151	332	605	1006	1513	2044	2487	2826	3116	3369	3582	3753	3896	4012	4081	4125	4137
20	10.4	56.5	172	360	643	1042	1536	2049	2475	2796	3080	3316	3524	3684	3811	3920	3988	4022	4026
25	9.81	30.3	134	291	527	863	1300	1778	2225	2578	2869	3111	3320	3487	3624	3735	3803	3850	3865
30	9.82	44.9	147	304	531	845	1253	1698	2135	2482	2764	2994	3190	3352	3480	3584	3642	3686	3702
35	9.42	22.3	113	239	426	683	1020	1410	1809	2171	2471	2716	2919	3083	3221	3324	3390	3436	3453
40	9.45	33.9	121	240	410	643	937	1280	1640	1990	2283	2523	2723	2874	3007	3090	3158	3195	3205
45	9.11	15.5	87.9	182	316	498	726	998	1294	1593	1868	2109	2312	2479	2614	2714	2784	2823	2838
50	9.12	19.5	88.0	171	286	436	617	830	1066	1312	1557	1782	1978	2141	2267	2368	2428	2460	2471
55	8.78	11.0	59.8	126	212	324	460	618	795	980	1166	1344	1504	1643	1751	1837	1894	1927	1937
60	8.75	11.7	56.2	113	178	263	363	473	595	722	851	976	1090	1191	1272	1336	1378	1400	1400
65	8.42	9.23	32.0	75.3	125	185	254	332	415	504	592	676	755	826	885	933	965	985	989
70	8.35	8.90	23.7	56.9	94.0	133	175	223	271	322	368	410	449	486	519	544	563	573	576
75	8.08	8.46	13.3	30.2	53.9	81.3	111	143	176	209	239	265	289	312	331	346	358	365	368
80	7.97	8.23	8.71	11.9	24.4	41.1	59.1	76.9	94.0	109	121	131	139	145	150	154	155	158	159
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( $\beta$ ) Range:-90 - 90DEG

H( $\beta$ ) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2022-6-2

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290

Humidity:65.0%

Test Distance:11.710m [K=1.0248]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:0.3621A P:78.88W PF:0.9894 Lamp Flux:11387.9x1 lm																		
NAME: EV75B1205									TYPE:					WEIGHT:4.27KG				
SPEC.:									DIM.: 368*333*74mm					SERIAL No.:1				
MFR.: Integratech									SUR.:272*170mm					PROTECTION ANGLE:				

Table--2

UNIT: cd

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	191	188	184	179	172	163	151	138	122	106	89.3	71.8	55.3	41.3	30.3	26.9	26.3	21.3	
-75	427	420	408	393	369	343	315	282	248	212	175	139	106	79.1	55.3	36.6	26.7	22.4	
-70	661	649	626	598	555	512	465	414	359	304	245	191	145	107	71.5	40.4	26.3	21.0	
-65	1118	1093	1054	1000	933	855	769	676	581	485	391	303	224	158	105	60.4	28.3	21.9	
-60	1568	1525	1462	1377	1280	1165	1036	900	764	629	499	381	274	186	119	63.5	26.5	20.4	
-55	2131	2084	2014	1916	1787	1633	1457	1270	1077	887	704	535	384	260	163	90.9	32.9	21.1	
-50	2681	2620	2530	2409	2236	2035	1804	1565	1312	1067	835	624	438	291	174	91.7	28.9	19.4	
-45	3029	2971	2897	2782	2628	2448	2226	1970	1672	1367	1072	803	567	377	228	120	38.7	20.1	
-40	3361	3294	3224	3101	2952	2779	2547	2266	1908	1543	1194	881	611	398	230	114	30.8	18.5	
-35	3593	3536	3464	3352	3205	3036	2824	2564	2241	1866	1458	1085	759	494	294	149	45.5	18.9	
-30	3808	3748	3670	3547	3394	3218	3002	2746	2429	2021	1561	1147	789	500	290	139	34.0	17.5	
-25	3966	3914	3832	3720	3569	3394	3188	2937	2638	2267	1799	1334	927	594	351	173	52.6	17.6	
-20	4107	4049	3958	3838	3678	3496	3277	3021	2712	2334	1840	1344	918	577	331	153	34.1	16.3	
-15	4200	4148	4063	3950	3803	3615	3405	3154	2861	2504	2044	1521	1053	671	392	191	60.9	16.1	
-10	4277	4215	4127	4009	3859	3651	3443	3178	2876	2515	2033	1492	1020	639	361	168	39.5	14.9	
-5	4302	4245	4162	4053	3904	3713	3502	3248	2950	2599	2158	1612	1116	708	411	199	67.9	14.4	
0	4308	4249	4152	4047	3880	3689	3472	3207	2892	2533	2064	1513	1032	643	362	165	40.3	13.3	
5	4279	4218	4137	4031	3876	3691	3481	3227	2925	2581	2140	1596	1105	702	408	197	68.9	12.7	
10	4229	4162	4080	3962	3804	3611	3400	3137	2831	2473	1995	1462	1000	627	355	164	43.1	11.7	
15	4132	4071	3993	3882	3734	3548	3339	3090	2789	2447	1988	1478	1026	655	382	185	63.7	11.3	
20	4019	3952	3866	3751	3596	3406	3187	2933	2622	2257	1769	1294	888	559	319	146	34.9	10.4	
25	3850	3800	3719	3607	3465	3285	3079	2831	2530	2166	1716	1274	890	571	337	164	54.9	10.1	
30	3664	3620	3534	3409	3272	3090	2877	2621	2309	1912	1477	1086	752	478	276	130	29.7	9.34	
35	3428	3380	3306	3193	3055	2885	2675	2418	2102	1742	1367	1021	719	468	279	138	43.1	9.10	
40	3171	3115	3040	2921	2779	2604	2378	2102	1762	1425	1108	823	575	374	215	104	19.4	8.48	
45	2816	2761	2691	2579	2435	2259	2048	1803	1528	1250	986	743	528	353	211	108	29.5	8.32	
50	2439	2385	2302	2183	2028	1837	1625	1400	1181	966	759	568	405	270	158	80.8	14.9	7.82	
55	1917	1870	1807	1714	1596	1454	1297	1127	959	794	636	488	351	238	147	78.0	18.8	7.74	
60	1379	1336	1277	1200	1113	1011	901	787	670	558	448	347	249	167	104	50.9	9.71	7.40	
65	979	950	914	865	808	741	669	590	510	431	351	275	203	141	90.2	46.2	11.2	7.41	
70	570	553	533	508	477	443	405	362	318	272	223	173	130	93.2	57.5	25.0	7.79	7.23	
75	366	357	347	333	316	296	273	247	219	190	158	124	93.1	66.0	41.1	19.8	8.06	7.31	
80	159	159	156	152	147	140	132	122	109	95.1	79.2	62.0	44.3	28.1	15.0	8.09	7.53	7.27	
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( $\beta$ ) Range:-90 - 90DEG

H( $\beta$ ) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2022-6-2

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290

Humidity:65.0%

Test Distance:11.710m [K=1.0248]

Remarks: