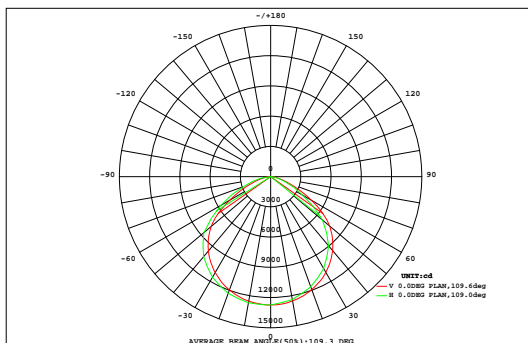


## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.0V I:1.078A P:234.2W PF:0.9872 Lamp Flux:33761.9x1 lm		
NAME: EV240B1203	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:323*272mm	PROTECTION ANGLE:



DATA OF LAMP		Eff:144.18lm/W	
MODEL	EV240B1203	Imax(cd)	12734
NOMINAL POWER(W)	240	AVAILABILITY(%)	97.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	33015
NOMINAL FLUX(lm)	33761.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	33762
TEST VOLTAGE(V)	220	θ @50%(H,V)	110,109DEG

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	0.09	0.79	2.95	6.62	11.7	17.3	22.5	26.6	28.9	29.2	27.3	23.6	18.6	13.1	7.95	3.86	1.22	0.13	242	31.5
70	0.15	1.98	6.70	15.2	27.3	41.6	55.8	67.3	73.7	73.8	67.6	56.5	42.5	28.3	16.3	7.54	2.42	0.22	585	498
60	0.29	3.30	11.8	28.4	52.9	83.1	114	138	152	153	140	116	85.7	54.9	29.7	12.7	3.75	0.37	1181	1147
50	0.44	4.80	18.3	45.2	86.7	137	184	219	238	239	222	188	142	91.0	47.5	19.2	5.22	0.53	1889	1869
40	0.58	6.43	25.2	64.2	124	188	240	277	296	297	278	243	192	129	67.8	26.3	6.75	0.65	2459	2445
30	0.69	7.89	31.8	82.4	154	220	274	314	335	336	316	277	223	159	87.3	33.4	8.20	0.76	2862	2851
20	0.78	9.14	37.5	97.5	173	241	299	341	363	364	342	301	244	177	102	39.2	9.28	0.84	3140	3130
10	0.84	9.84	40.8	106	183	253	313	356	380	380	358	315	256	187	111	43.1	10.1	0.90	3304	3294
0	0.86	10.2	42.1	109	187	257	317	361	385	385	362	319	260	190	113	43.9	10.1	0.89	3352	3343
-10	0.83	9.85	40.4	104	182	252	312	355	378	379	357	314	255	186	109	42.1	9.81	0.85	3288	3279
-20	0.76	9.09	36.6	94.1	170	239	297	339	361	361	340	298	241	174	98.4	37.2	8.81	0.75	3106	3096
-30	0.64	7.78	30.6	77.8	147	215	271	311	332	332	312	273	219	153	82.0	30.8	7.58	0.64	2802	2789
-40	0.54	6.29	23.9	59.4	114	177	231	268	288	289	270	233	182	119	61.0	23.2	5.97	0.53	2353	2336
-50	0.43	4.64	16.9	40.6	76.4	122	168	202	220	221	205	173	128	79.6	40.6	16.3	4.46	0.43	1717	1694
-60	0.34	3.24	10.8	24.8	44.9	69.2	93.9	115	127	128	117	96.4	69.7	43.5	23.2	9.94	3.01	0.33	981	938
-70	0.24	1.97	5.86	12.6	21.4	31.4	41.1	49.1	53.5	53.3	48.5	39.8	29.4	19.6	11.3	5.36	1.80	0.25	426	275
-80	0.10	0.59	1.65	3.07	4.70	6.25	7.45	8.25	8.40	8.05	7.27	6.26	5.05	3.67	2.37	1.24	0.41	0.09	74.9	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	8.60	97.8	384	970	1761	2550	3239	3748	4020	4029	3770	3272	2593	1807	1010	395	98.9	9.17	33762	---
Φ a	0.00	35.0	331	925	1716	2505	3200	3713	3984	3994	3735	3231	2543	1762	963	344	34.5	0.00	---	33015

one-half-peak spread: U:57.9,D:51.5 , L:54.1,R:55.9

NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-6-9

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=0.9906]  
Remarks:

# ISOCANDELA DIAGRAM

Test:U:220.0V I:1.078A P:234.2W PF:0.9872 Lamp Flux:33761.9x1 lm		
NAME: EV240B1203	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integrattech	SUR.: 323*272mm	PROTECTION ANGLE:

Conical surface Flux(90deg):

19827 lm

%lum = 58.8%

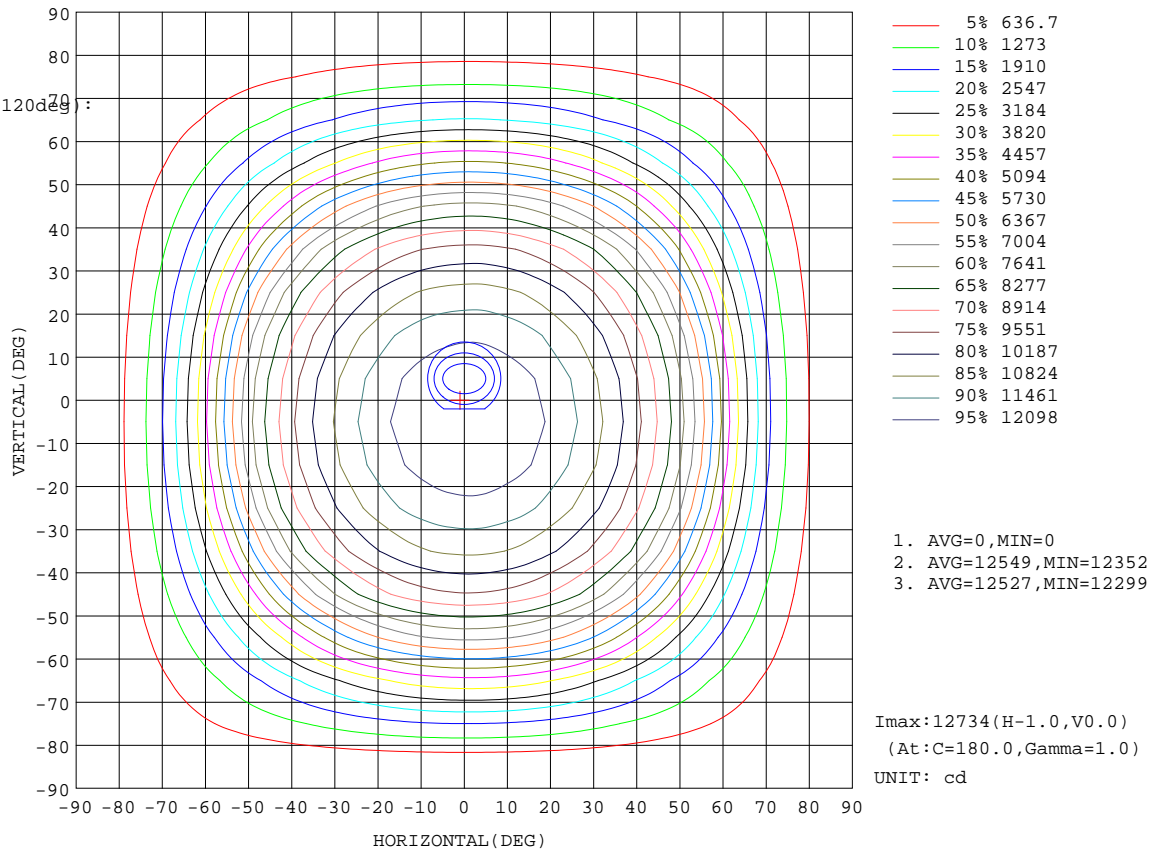
%lamp = 58.7%

Conical surface Flux(120deg):

28696 lm

%lum = 85.2%

%lamp = 85.0%



H( $\beta$ ) Range:-90 - 90DEG

H( $\beta$ ) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2022-6-9

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

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

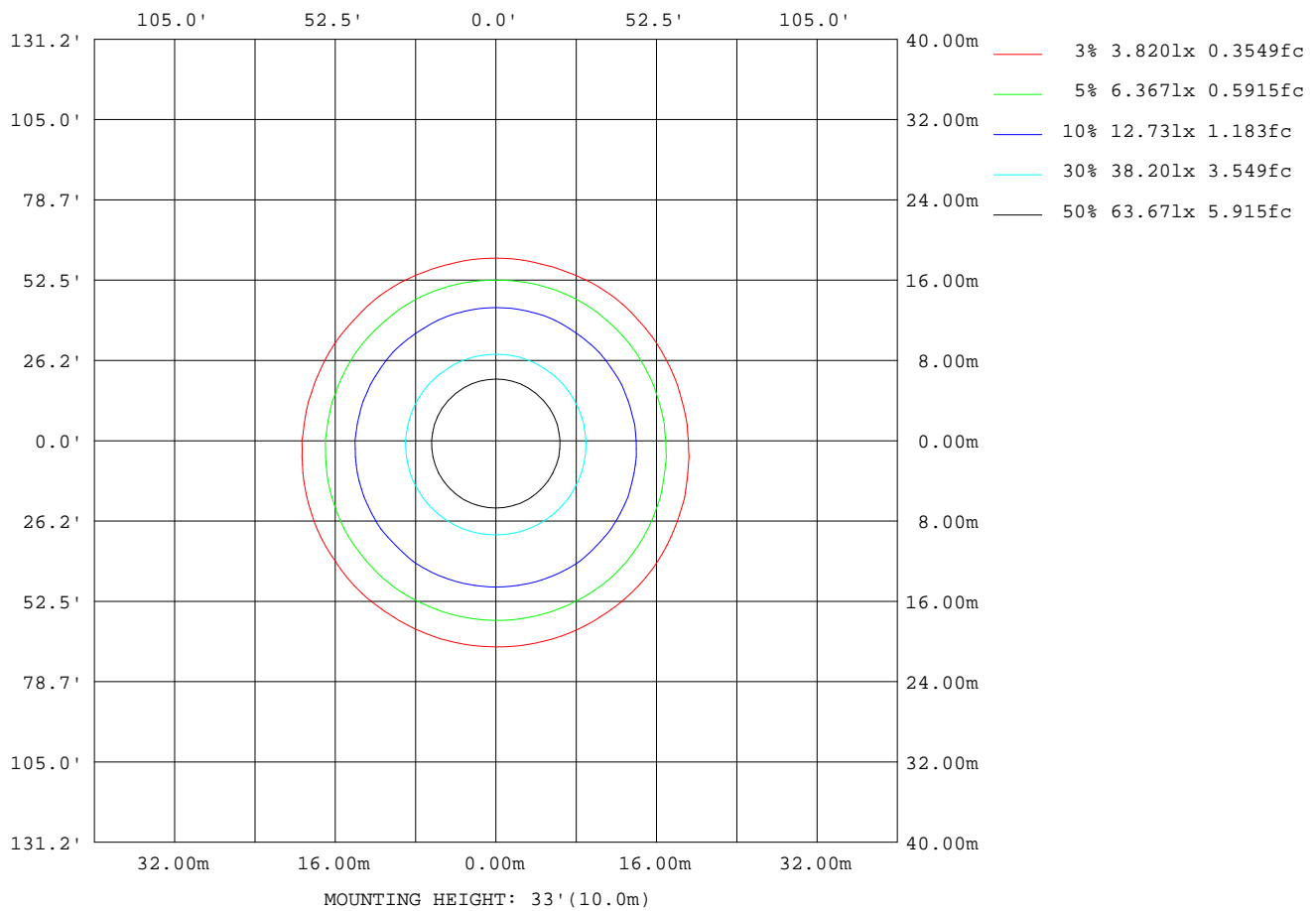
Humidity:65.0%

Test Distance:11.710m [K=0.9906]

Remarks:

ISOLUX DIAGRAM

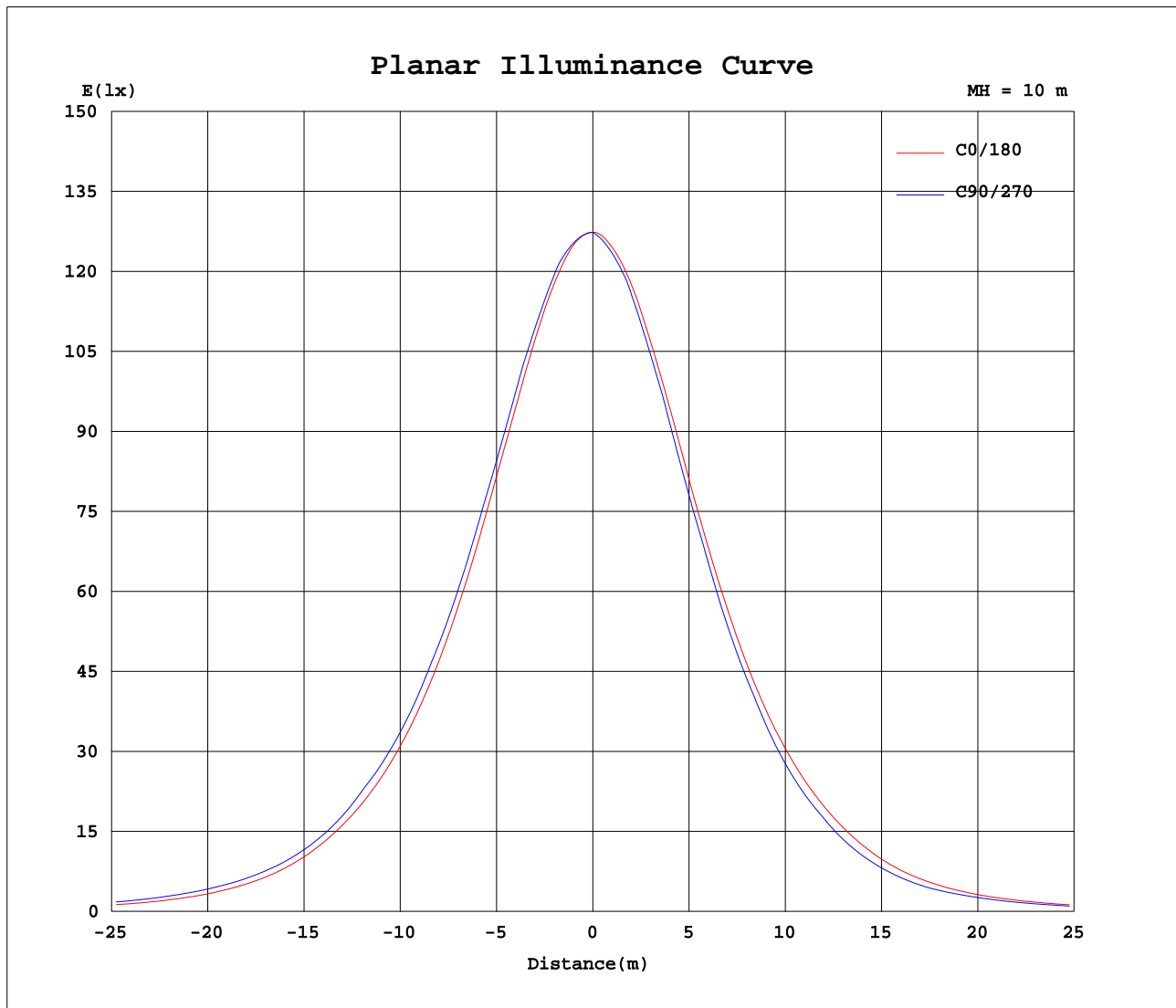
Test:U:220.0V I:1.078A P:234.2W PF:0.9872 Lamp Flux:33761.9x1 lm		
NAME: EV240B1203	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:323*272mm	PROTECTION ANGLE:



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-6-9

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=0.9906]  
Remarks:

## Planar Illuminance Curve

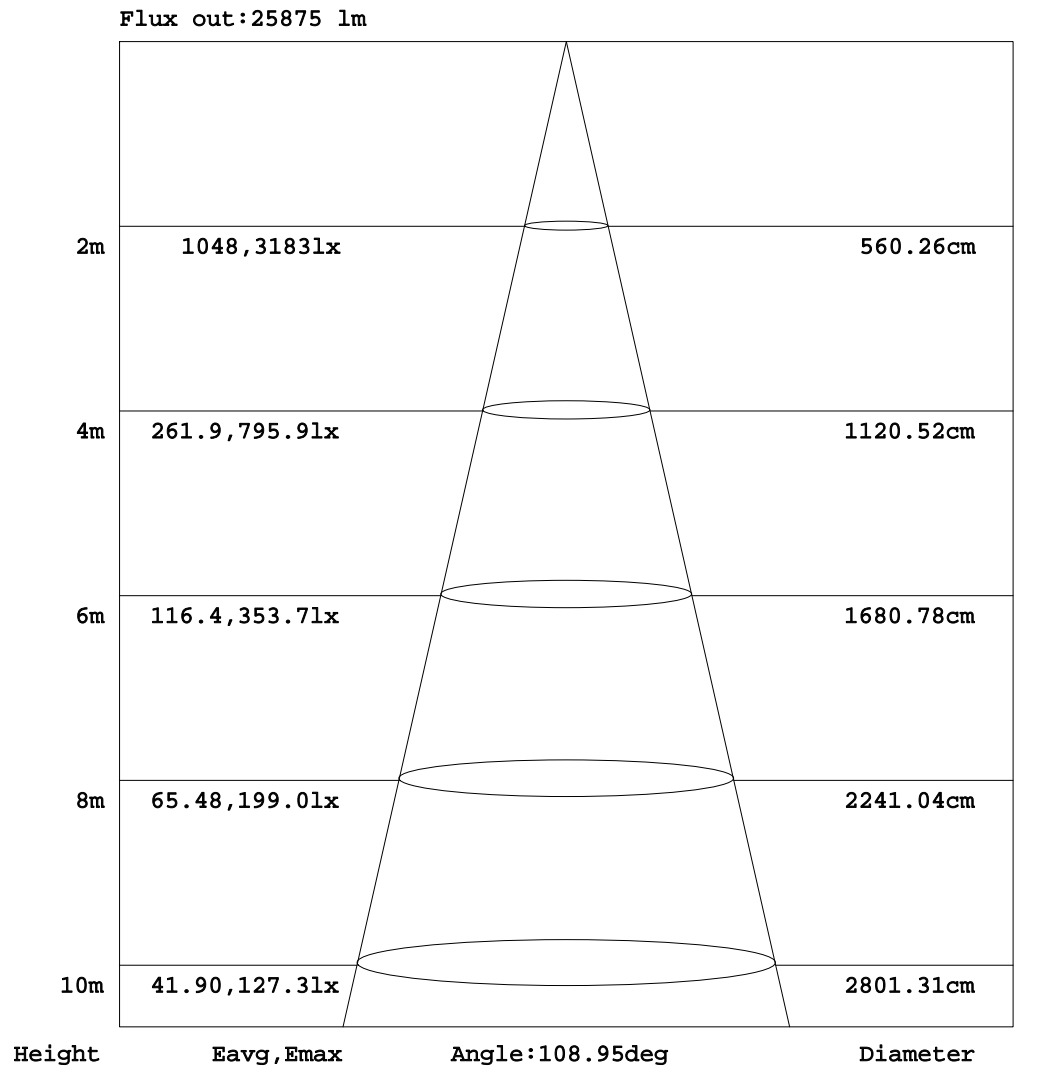


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-6-9

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=0.9906]  
Remarks:

### AAI Figure

Test:U:220.0V I:1.078A P:234.2W PF:0.9872 Lamp Flux:33761.9x1 lm		
NAME: EV240B1203	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integrattech	SUR.:323*272mm	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:2022-6-9

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=0.9906]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:1.078A P:234.2W PF:0.9872 Lamp Flux:33761.9x1 lm		
NAME: EV240B1203	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:323*272mm	PROTECTION ANGLE:

Table--1

UNIT: ×10cd

H(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
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	5.94	6.72	10.4	17.1	24.2	31.7	39.6	47.3	55.6	63.3	70.9	77.5	83.5	89.0	93.3	96.8	99.5	100	100
-75	5.65	6.78	12.3	22.6	33.2	44.4	57.5	72.4	87.8	102	118	132	146	158	169	178	186	190	191
-70	5.59	8.11	17.8	32.6	46.6	61.8	81.2	103	126	148	170	192	213	232	249	263	274	280	282
-65	5.27	7.66	18.9	36.9	56.1	79.0	107	138	172	206	242	278	311	343	370	393	410	421	426
-60	5.22	10.3	26.6	48.6	74.1	107	145	186	231	280	328	377	422	464	500	530	552	565	570
-55	4.89	8.81	26.1	51.7	83.2	123	170	224	283	347	412	478	539	593	637	670	695	710	718
-50	4.87	12.1	35.1	66.3	107	157	216	284	360	441	523	605	679	741	789	822	846	860	865
-45	4.59	10.1	33.6	68.6	114	172	242	324	415	513	607	692	764	824	870	905	929	944	951
-40	4.61	14.6	44.7	87.5	142	212	298	398	507	624	728	811	875	926	966	999	1020	1033	1037
-35	4.36	11.3	41.2	85.1	143	219	314	424	546	668	771	854	919	974	1016	1050	1075	1090	1095
-30	4.39	16.4	52.9	104	171	261	371	498	635	757	850	925	988	1040	1081	1114	1137	1150	1154
-25	4.14	12.4	48.1	98.3	168	260	376	512	656	777	871	948	1013	1067	1112	1146	1171	1187	1193
-20	4.13	19.5	60.4	118	197	303	433	583	729	837	925	1000	1062	1114	1158	1190	1213	1228	1232
-15	3.87	13.7	52.2	107	184	288	419	573	721	834	926	1003	1068	1123	1169	1203	1229	1245	1251
-10	3.83	22.4	62.3	124	208	323	464	624	763	871	960	1033	1097	1150	1195	1227	1252	1265	1271
-5	3.57	16.0	53.1	110	190	300	437	598	743	853	944	1021	1087	1142	1189	1222	1249	1264	1272
0	3.49	24.7	63.0	125	211	328	472	634	770	874	961	1037	1100	1154	1197	1230	1254	1267	1273
5	3.26	16.9	51.6	107	185	292	427	584	728	837	927	1005	1071	1126	1172	1206	1233	1247	1256
10	3.21	22.9	58.7	117	198	307	443	597	734	838	926	1002	1065	1117	1161	1195	1219	1232	1238
15	3.01	15.6	48.0	99.3	171	268	390	533	678	789	879	955	1021	1074	1118	1153	1179	1194	1200
20	3.00	21.2	54.1	107	178	274	393	530	670	777	864	937	1000	1049	1091	1123	1147	1159	1164
25	2.84	13.3	42.8	86.9	148	230	333	453	584	700	794	869	934	985	1028	1062	1087	1101	1107
30	2.87	17.5	46.0	88.5	147	224	318	427	548	664	755	830	891	939	981	1013	1035	1047	1052
35	2.73	10.2	36.3	70.8	120	183	262	354	457	563	657	738	803	855	897	930	954	967	974
40	2.74	13.7	37.8	70.7	115	172	240	320	409	501	594	675	738	788	828	859	879	891	896
45	2.64	7.08	28.6	53.9	89.2	134	189	252	323	399	475	547	609	661	704	738	762	777	784
50	2.64	8.33	28.3	49.9	80.1	118	162	211	267	326	386	447	502	552	595	628	651	666	672
55	2.54	4.40	20.1	37.7	59.6	88.3	122	160	202	246	292	337	381	420	454	481	501	513	519
60	2.52	4.72	18.9	33.4	50.0	71.8	97.3	125	154	185	216	247	276	302	324	342	356	364	366
65	2.44	2.94	11.2	23.2	35.7	51.0	68.4	87.7	109	130	152	173	193	212	228	241	251	257	259
70	2.41	2.59	8.27	17.8	27.0	36.7	46.9	58.9	71.9	84.6	96.8	109	119	129	137	144	149	151	152
75	2.34	2.42	4.44	9.65	15.9	22.6	29.5	37.3	45.8	54.2	62.1	69.7	76.6	82.8	88.2	92.5	95.7	97.7	98.6
80	2.30	2.34	2.43	3.89	7.27	11.0	15.1	19.1	23.1	26.9	30.6	33.9	36.7	39.3	41.1	42.7	43.7	44.7	45.2
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:25.3DEG

Operators:

Test Date:2022-6-9

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=0.9906]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:1.078A P:234.2W PF:0.9872 Lamp Flux:33761.9x1 lm		
NAME: EV240B1203	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:323*272mm	PROTECTION ANGLE:

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	98.7	96.2	92.9	88.5	83.2	77.2	70.5	63.3	56.0	48.6	41.3	34.3	27.3	20.8	14.2	9.05	7.67	6.32	
-75	190	186	180	171	159	145	130	115	99.8	84.6	70.0	56.2	44.0	33.1	23.3	13.9	8.30	6.59	
-70	280	274	263	248	229	207	185	161	137	115	92.8	72.9	55.9	41.3	28.3	15.6	8.01	6.19	
-65	425	418	404	384	357	325	290	251	212	174	139	108	80.1	57.2	39.0	21.8	9.84	6.44	
-60	568	557	537	510	474	430	380	326	271	219	172	131	94.2	65.3	42.5	22.1	8.98	5.99	
-55	715	705	686	658	620	571	513	446	376	305	238	179	128	87.4	56.3	30.3	12.1	6.19	
-50	860	847	825	792	748	691	620	538	452	363	277	204	144	95.5	59.1	29.8	10.6	5.70	
-45	947	936	916	885	845	793	728	651	559	457	355	261	182	121	74.7	39.4	14.2	5.86	
-40	1032	1019	995	963	923	871	807	728	626	510	392	283	193	125	74.3	36.7	11.5	5.40	
-35	1092	1080	1059	1028	989	940	879	806	714	601	473	348	239	154	93.1	48.8	16.3	5.49	
-30	1150	1135	1112	1079	1037	986	924	849	759	644	503	365	245	155	91.1	45.5	12.9	5.06	
-25	1190	1177	1155	1123	1083	1033	972	899	814	707	570	424	289	183	109	56.6	18.5	5.09	
-20	1226	1212	1187	1152	1109	1058	992	917	830	721	579	424	283	176	101	51.1	13.1	4.71	
-15	1249	1235	1213	1180	1138	1089	1026	952	868	766	634	476	325	203	119	61.6	21.8	4.63	
-10	1267	1251	1227	1192	1147	1097	1031	956	868	764	627	463	311	192	110	54.8	15.7	4.27	
-5	1270	1256	1233	1200	1158	1108	1045	971	887	786	658	497	341	212	124	63.5	25.1	4.14	
0	1269	1252	1228	1192	1150	1095	1031	956	867	763	626	464	312	192	109	54.1	17.6	3.82	
5	1253	1239	1217	1184	1143	1092	1031	958	873	772	644	485	333	209	122	62.6	25.8	3.67	
10	1232	1219	1196	1160	1118	1066	1003	928	841	736	603	442	297	185	107	53.3	18.7	3.37	
15	1198	1185	1165	1132	1091	1042	982	910	827	724	592	443	304	192	114	58.9	24.1	3.26	
20	1160	1145	1122	1088	1047	997	933	860	774	664	525	384	260	163	94.3	48.1	15.7	3.01	
25	1107	1094	1073	1042	1003	956	897	827	742	635	504	374	257	166	99.8	52.7	21.4	2.92	
30	1050	1036	1013	982	944	894	832	762	670	554	430	313	215	139	82.3	43.0	13.7	2.70	
35	973	961	941	912	875	828	769	696	606	503	393	292	204	135	82.7	45.4	17.7	2.64	
40	892	881	858	829	790	741	677	596	503	406	314	231	163	108	65.5	36.0	10.0	2.47	
45	782	771	751	722	684	636	577	509	431	352	276	208	150	102	64.1	36.8	13.1	2.42	
50	669	656	634	602	560	509	452	390	328	266	210	159	116	78.7	50.1	28.4	7.40	2.29	
55	517	508	491	468	436	399	356	310	264	218	174	135	100	70.2	46.7	27.4	8.72	2.26	
60	363	355	341	322	299	272	242	212	181	151	123	96.4	71.8	51.5	34.7	19.1	4.62	2.18	
65	258	253	244	232	217	199	180	159	138	117	96.6	77.5	59.4	43.6	30.4	17.3	5.19	2.18	
70	150	147	142	136	128	119	109	97.4	85.8	74.2	62.6	51.0	40.2	30.3	20.7	10.1	3.02	2.13	
75	98.2	96.5	94.1	90.7	86.1	80.6	74.5	67.6	60.1	52.3	44.6	36.9	29.2	22.0	15.2	8.09	3.04	2.16	
80	45.5	45.4	44.7	43.8	42.3	40.1	37.6	34.7	31.3	27.6	23.6	19.5	15.2	10.9	6.75	3.38	2.20	2.16	
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:25.3DEG

Operators:

Test Date:2022-6-9

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=0.9906]

Remarks: