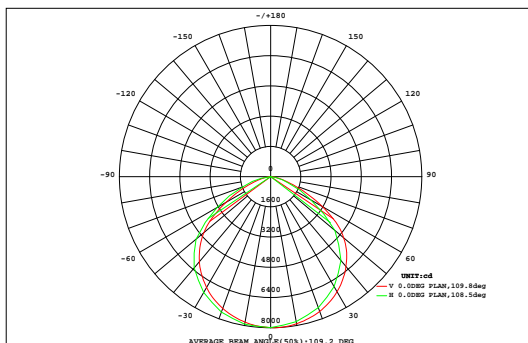


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.1V I:0.6873A P:150.0W PF:0.9913 Lamp Flux:21005.8x1 lm		
NAME: EV150B1203	TYPE:	WEIGHT:5.36KG
SPEC.:	DIM.: 418*333*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:272*121mm	PROTECTION ANGLE:



DATA OF LAMP		Eff:140.08lm/W	
MODEL	EV150B1203	Imax(cd)	7997
NOMINAL POWER(W)	150	AVAILABILITY(%)	97.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	20538
NOMINAL FLUX(lm)	21005.8	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	21006
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	148	29.1
80	0.05	0.30	1.19	3.19	6.29	10.0	13.7	16.6	18.3	18.7	17.6	15.2	11.7	7.88	4.39	1.85	0.47	0.05	382	332
70	0.05	0.82	3.33	8.38	16.3	26.1	35.9	44.1	48.9	49.5	45.8	38.5	29.0	18.9	10.4	4.49	1.21	0.08	779	759
60	0.10	1.54	6.28	16.5	32.6	52.7	73.4	90.6	101	102	95.1	79.9	59.3	38.0	20.1	8.10	2.10	0.16	1233	1220
50	0.17	2.34	10.1	26.9	53.6	86.3	117	141	155	157	147	127	97.2	63.1	32.8	12.7	3.12	0.24	1582	1573
40	0.24	3.22	14.2	38.4	76.2	117	151	175	189	191	181	160	129	88.0	46.8	17.8	4.17	0.32	1824	1816
30	0.29	4.01	18.0	49.2	94.5	136	172	198	212	214	203	180	147	107	59.9	22.7	5.16	0.39	1987	1981
20	0.33	4.70	21.3	58.1	106	149	186	213	229	231	218	194	159	117	69.2	26.6	5.89	0.44	2078	2072
10	0.36	5.08	23.2	62.9	111	155	194	222	238	240	227	201	166	122	74.4	29.1	6.39	0.48	2098	2093
0	0.38	5.24	23.8	63.9	113	157	196	224	240	242	229	203	167	124	75.3	29.5	6.42	0.48	2044	2038
-10	0.37	5.01	22.5	60.6	109	153	191	219	234	236	224	199	163	120	72.5	28.1	6.17	0.47	1916	1909
-20	0.34	4.55	20.1	54.0	100	143	180	207	222	224	212	188	153	112	65.1	24.4	5.45	0.42	1710	1702
-30	0.30	3.81	16.4	43.7	85.3	127	162	187	202	204	193	170	138	98.5	53.7	19.9	4.62	0.37	1414	1404
-40	0.25	3.01	12.5	32.6	64.3	102	135	159	173	175	165	145	114	76.5	39.1	14.5	3.54	0.29	1007	991
-50	0.20	2.16	8.40	21.4	41.4	67.5	95.2	116	129	131	123	105	79.2	49.6	25.2	9.84	2.56	0.23	548	517
-60	0.15	1.42	5.09	12.4	23.2	36.4	50.4	62.8	70.8	72.7	67.7	56.4	41.3	26.0	13.7	5.73	1.63	0.17	221	102
-70	0.12	0.79	2.57	5.82	10.4	15.6	20.7	24.9	27.4	27.8	25.8	21.7	16.3	11.0	6.21	2.82	0.87	0.13	34.3	0.00
-80	0.05	0.21	0.65	1.30	2.05	2.83	3.43	3.76	3.79	3.66	3.43	3.06	2.49	1.79	1.10	0.51	0.16	0.06	---	20538
-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	---	20538
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL( DEG ) 20 30 40 50 60 70 80 90																				
Φ t	3.75	48.2	210	559	1045	1538	1976	2305	2492	2519	2377	2086	1673	1182	670	259	59.9	4.79	21006	---
Φ a	0.00	10.3	175	530	1016	1509	1948	2280	2469	2496	2354	2059	1644	1155	642	229	22.6	0.00	---	20538

one-half-peak spread: U:56.4,D:52.6 , L:55.9,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:2022-6-9

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:220.1V I:0.6873A P:150.0W PF:0.9913 Lamp Flux:21005.8x1 lm		
NAME: EV150B1203	TYPE:	WEIGHT:5.36KG
SPEC.:	DIM.: 418*333*74mm	SERIAL No.:1
MFR.: Integrattech	SUR.:272*121mm	PROTECTION ANGLE:

Conical surface Flux(90deg):

12430 lm

%lum = 59.3%

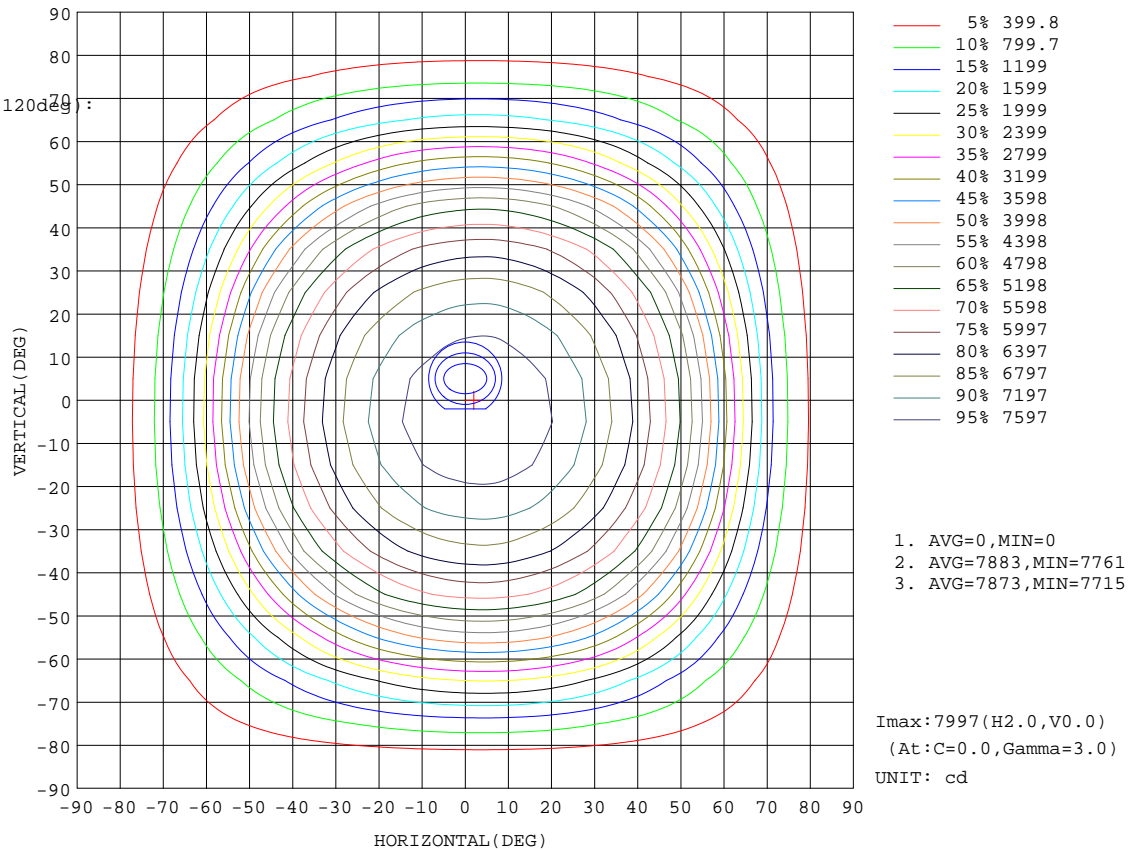
%lamp = 59.2%

Conical surface Flux(120deg):

17986 lm

%lum = 85.8%

%lamp = 85.6%



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

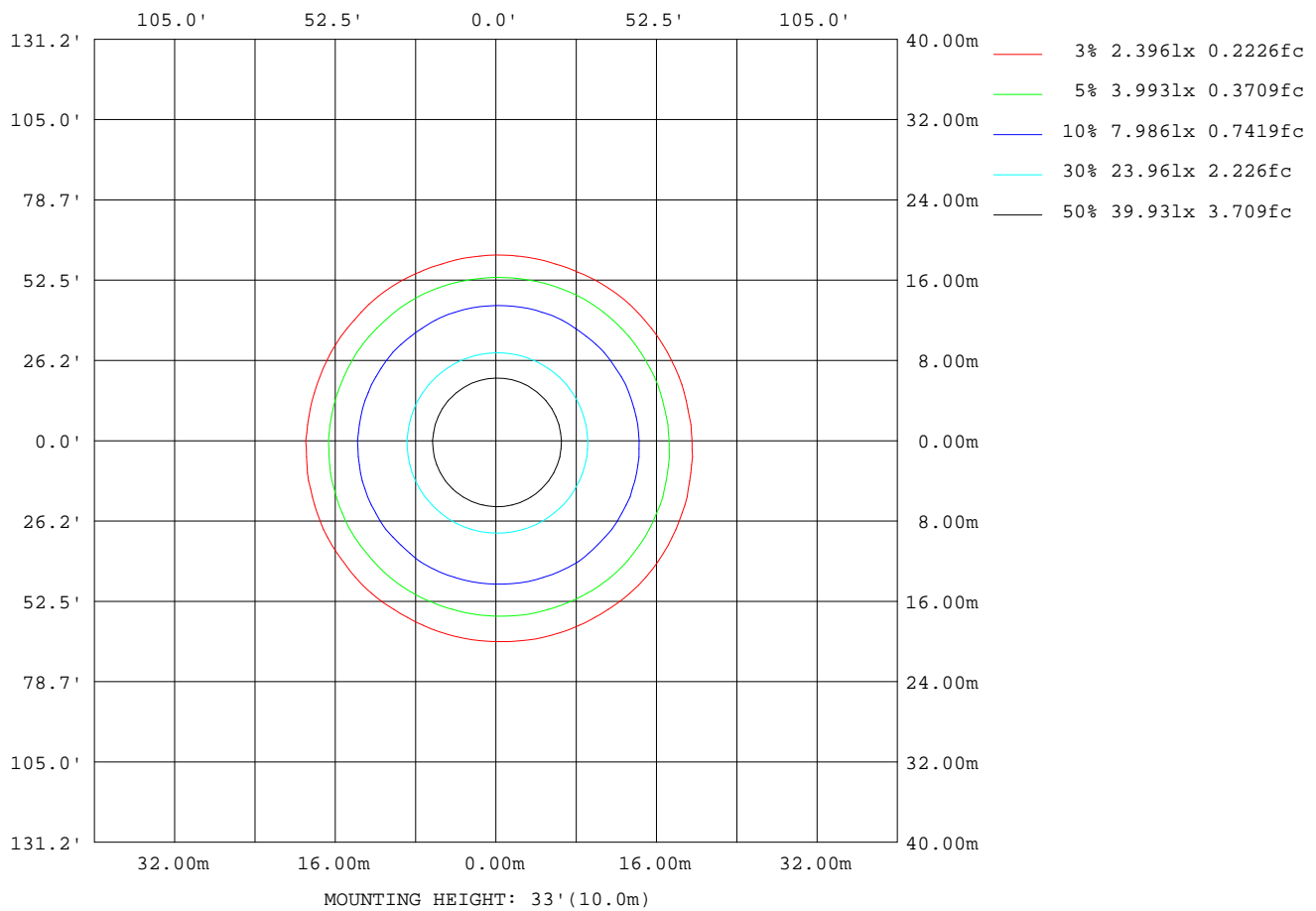
Humidity:65.0%

Test Distance:11.710m [K=0.9906]

Remarks:

ISOLUX DIAGRAM

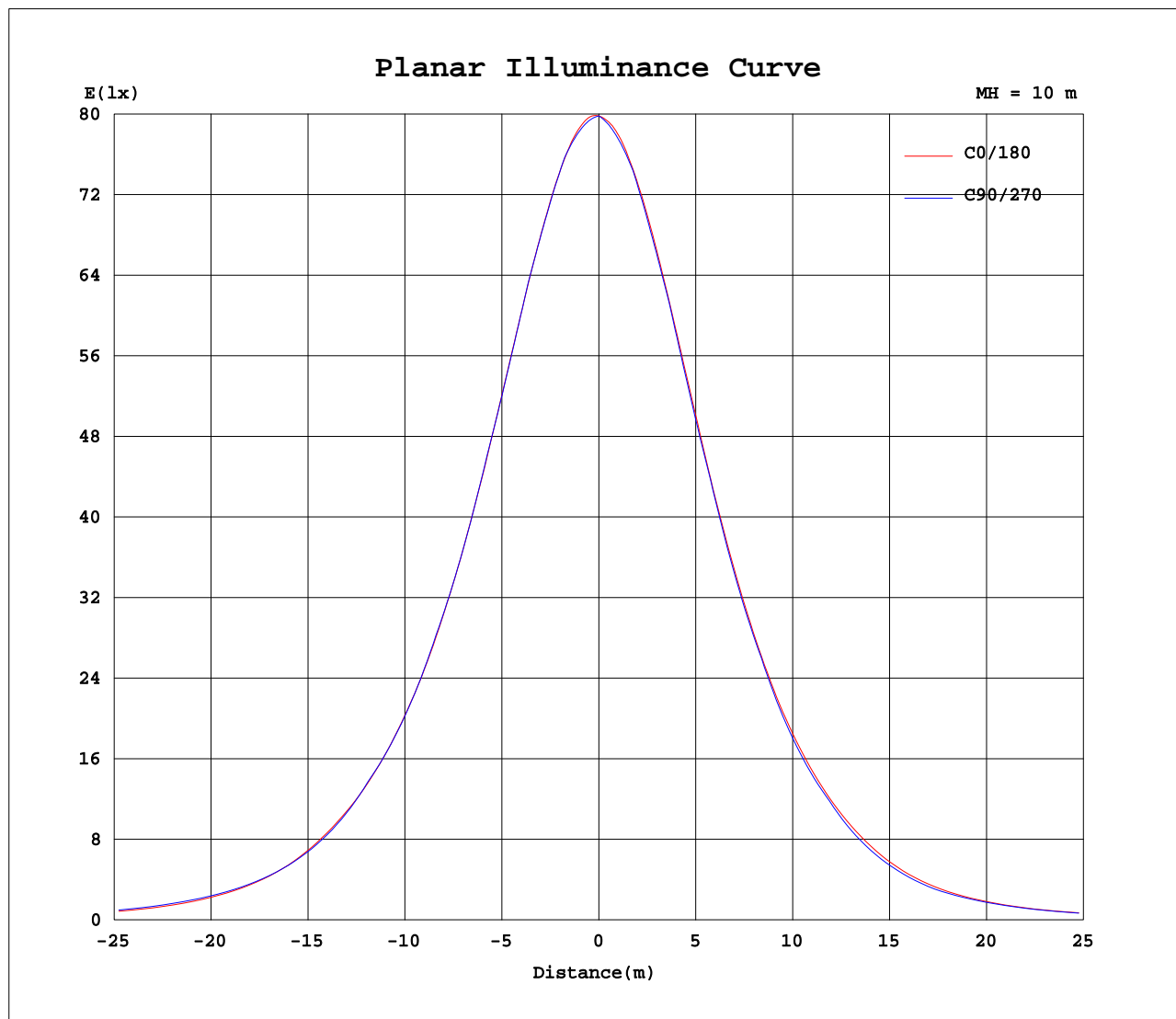
Test:U:220.1V I:0.6873A P:150.0W PF:0.9913 Lamp Flux:21005.8x1 lm		
NAME: EV150B1203	TYPE:	WEIGHT:5.36KG
SPEC.:	DIM.: 418*333*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:272*121mm	PROTECTION ANGLE:



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

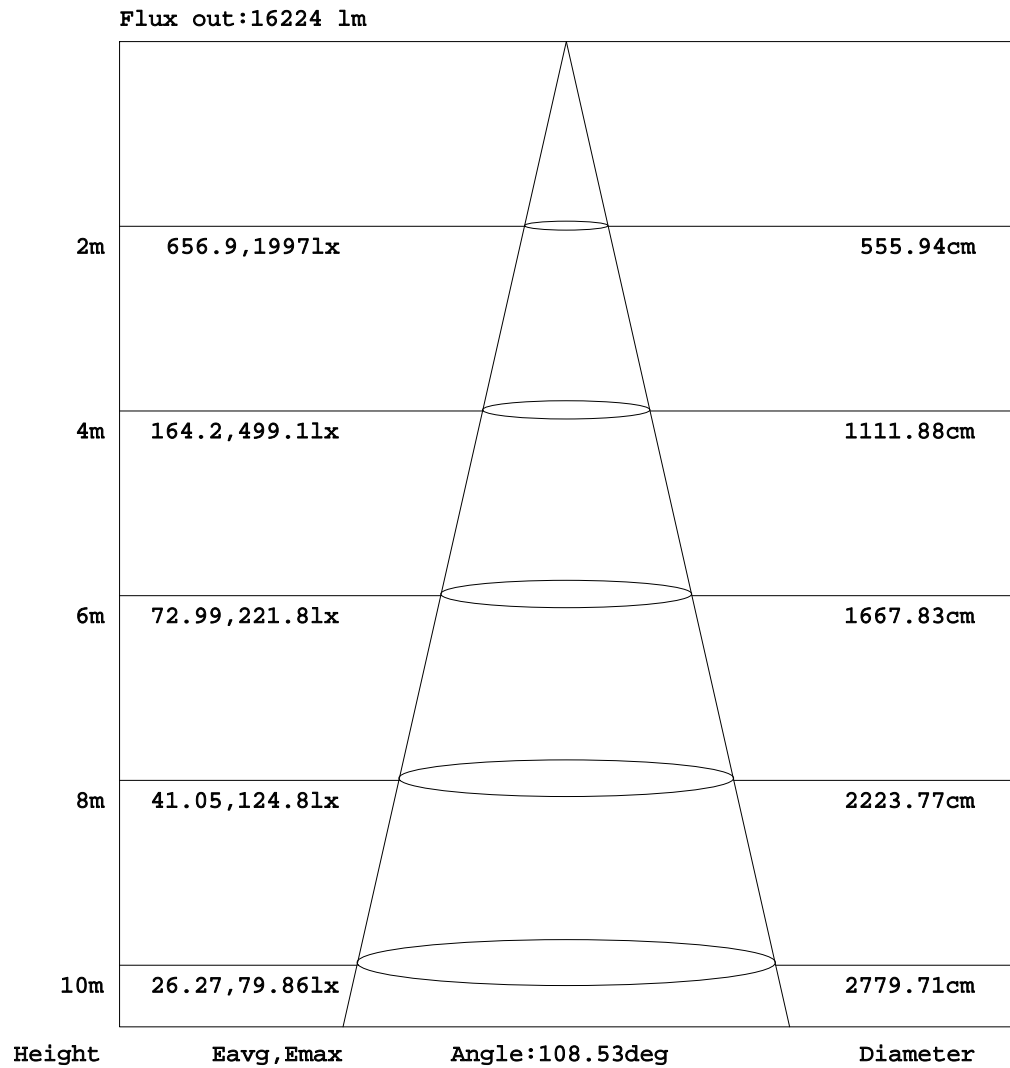


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-6-9

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:220.1V I:0.6873A P:150.0W PF:0.9913 Lamp Flux:21005.8x1 lm		
NAME: EV150B1203	TYPE:	WEIGHT:5.36KG
SPEC.:	DIM.: 418*333*74mm	SERIAL No.:1
MFR.: Integrattech	SUR.:272*121mm	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:220.1V I:0.6873A P:150.0W PF:0.9913 Lamp Flux:21005.8x1 lm																	
NAME: EV150B1203									TYPE:						WEIGHT:5.36KG		
SPEC.:									DIM.: 418*333*74mm						SERIAL No.:1		
MFR.: Integratech									SUR.:272*121mm						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	37.0	42.0	42.8	62.0	94.7	131	171	211	253	294	336	373	407	437	461	478	491	497	503
-75	34.6	40.7	52.2	89.3	138	194	262	339	420	503	587	664	739	811	871	923	966	996	1011
-70	34.8	40.6	73.3	135	204	282	381	497	621	746	869	987	1101	1208	1306	1387	1454	1500	1523
-65	32.2	39.4	81.5	160	252	369	519	688	877	1072	1271	1471	1667	1849	2016	2156	2272	2354	2401
-60	32.3	44.5	119	219	343	512	721	953	1210	1477	1754	2034	2308	2558	2787	2977	3127	3231	3290
-55	29.8	40.1	119	236	395	604	871	1179	1520	1885	2261	2650	3023	3359	3644	3861	4031	4151	4218
-50	30.0	53.0	163	310	522	795	1137	1537	1972	2439	2922	3418	3887	4281	4596	4827	4990	5108	5159
-45	27.8	44.2	157	321	563	883	1293	1769	2301	2880	3459	3984	4433	4820	5130	5366	5536	5657	5723
-40	28.3	65.2	209	417	718	1121	1629	2205	2855	3553	4214	4738	5155	5490	5766	5985	6140	6242	6297
-35	26.3	48.9	191	407	724	1165	1726	2375	3110	3853	4502	5035	5460	5820	6110	6336	6505	6622	6686
-30	26.9	73.2	245	508	886	1415	2067	2822	3664	4427	5023	5517	5920	6269	6557	6756	6930	7037	7087
-25	25.0	53.6	219	480	868	1419	2112	2925	3803	4571	5174	5679	6107	6472	6768	6998	7175	7293	7350
-20	25.4	86.7	277	590	1044	1681	2460	3375	4272	4974	5540	6023	6448	6801	7082	7311	7479	7580	7626
-15	23.4	57.6	238	531	971	1597	2386	3322	4240	4973	5566	6069	6496	6868	7173	7412	7589	7711	7769
-10	23.5	93.7	293	626	1117	1810	2663	3645	4526	5224	5804	6285	6709	7065	7361	7595	7753	7873	7926
-5	21.5	61.3	244	554	1015	1681	2517	3507	4419	5134	5731	6235	6659	7036	7340	7578	7757	7886	7948
0	21.4	96.7	295	639	1146	1865	2745	3754	4619	5296	5873	6358	6775	7131	7418	7646	7815	7934	7986
5	19.6	60.2	236	542	997	1653	2478	3453	4372	5086	5672	6170	6600	6975	7272	7511	7689	7816	7880
10	19.6	87.8	276	599	1076	1750	2603	3554	4438	5126	5680	6165	6588	6942	7229	7455	7616	7731	7789
15	18.0	53.3	219	499	916	1515	2272	3172	4086	4819	5395	5888	6317	6693	6984	7210	7388	7510	7577
20	18.3	79.5	251	545	965	1564	2300	3169	4056	4766	5316	5786	6208	6568	6838	7045	7208	7328	7377
25	16.9	43.7	192	432	788	1293	1940	2700	3534	4294	4896	5390	5811	6169	6458	6679	6859	6975	7042
30	17.4	62.0	208	446	789	1261	1862	2554	3328	4088	4688	5175	5565	5897	6177	6395	6562	6659	6718
35	16.3	32.0	158	346	629	1016	1521	2110	2770	3462	4085	4612	5039	5388	5672	5896	6072	6178	6243
40	16.7	45.2	168	346	607	955	1400	1914	2482	3098	3708	4245	4660	5003	5267	5472	5635	5727	5784
45	15.8	22.9	120	256	461	732	1082	1497	1959	2458	2964	3444	3855	4213	4505	4742	4920	5032	5099
50	16.0	25.3	119	236	411	635	921	1258	1629	2022	2419	2820	3202	3547	3848	4090	4260	4370	4435
55	15.3	17.8	77.2	171	297	464	676	930	1214	1516	1823	2133	2426	2702	2940	3140	3287	3383	3439
60	15.3	17.6	70.8	149	243	370	527	711	917	1134	1349	1566	1770	1956	2120	2255	2360	2424	2458
65	14.7	16.1	37.7	94.7	164	252	356	484	628	780	935	1086	1229	1361	1478	1576	1653	1702	1729
70	14.6	15.7	23.8	66.4	117	173	234	312	399	489	580	667	744	815	881	932	970	994	1003
75	14.1	14.9	17.3	36.4	62.3	96.1	136	186	241	299	358	413	465	512	553	586	612	629	638
80	13.9	14.5	15.5	15.9	19.2	34.7	56.7	81.4	107	133	158	182	205	225	241	253	261	269	274
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:2022-6-9

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:220.1V I:0.6873A P:150.0W PF:0.9913 Lamp Flux:21005.8x1 lm																		
NAME: EV150B1203									TYPE:					WEIGHT:5.36KG				
SPEC.:									DIM.: 418*333*74mm					SERIAL No.:1				
MFR.: Integratech									SUR.:272*121mm					PROTECTION ANGLE:				

Table--2

UNIT: cd

H(DEC) V(DEC)	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	499	491	481	466	443	413	379	341	300	257	214	171	131	93.1	62.5	49.6	48.4	40.6	
-75	1014	1003	978	939	884	814	737	656	568	480	392	308	235	169	113	69.1	49.1	42.2	
-70	1528	1507	1461	1392	1300	1187	1062	937	801	667	531	414	311	221	143	75.9	48.4	39.9	
-65	2416	2395	2333	2234	2098	1928	1728	1509	1274	1047	831	635	464	324	209	114	52.2	41.3	
-60	3300	3268	3168	3026	2833	2595	2307	1988	1655	1338	1046	783	556	378	233	119	48.6	38.7	
-55	4234	4201	4110	3970	3774	3511	3175	2777	2341	1903	1480	1101	778	519	320	171	61.4	39.7	
-50	5164	5110	5003	4846	4618	4304	3888	3392	2855	2297	1750	1276	884	570	340	170	53.7	36.8	
-45	5737	5688	5587	5440	5228	4946	4580	4127	3571	2933	2277	1665	1144	740	441	227	73.3	37.6	
-40	6302	6235	6122	5964	5737	5457	5098	4653	4046	3306	2543	1825	1224	773	442	213	57.6	34.8	
-35	6706	6658	6540	6387	6166	5900	5558	5138	4598	3918	3101	2278	1540	971	565	282	86.6	35.2	
-30	7099	7045	6902	6737	6500	6216	5854	5436	4900	4217	3315	2409	1596	982	554	264	65.8	32.5	
-25	7368	7317	7198	7039	6806	6526	6175	5760	5252	4624	3778	2812	1900	1174	669	329	99.6	32.5	
-20	7628	7550	7440	7260	7009	6706	6328	5904	5374	4735	3851	2828	1877	1130	620	288	66.8	30.1	
-15	7781	7725	7612	7442	7209	6910	6555	6136	5622	5017	4217	3182	2170	1327	744	359	114	29.6	
-10	7926	7863	7726	7539	7294	6993	6619	6183	5643	5021	4181	3113	2087	1250	683	314	77.8	27.3	
-5	7959	7902	7779	7606	7374	7074	6715	6290	5779	5174	4400	3344	2293	1400	778	372	124	26.4	
0	7982	7902	7768	7591	7340	7027	6647	6203	5689	5047	4221	3138	2103	1257	677	310	77.5	24.3	
5	7895	7831	7715	7547	7303	7013	6661	6232	5721	5122	4336	3286	2255	1379	768	366	122	23.3	
10	7798	7715	7600	7417	7164	6861	6508	6070	5532	4917	4049	3001	2017	1214	664	303	80.0	21.3	
15	7593	7536	7420	7250	7018	6737	6395	5969	5461	4858	4020	3018	2066	1272	713	342	113	20.6	
20	7381	7318	7177	7002	6775	6483	6121	5688	5166	4511	3588	2633	1759	1070	584	270	64.2	19.0	
25	7057	7004	6896	6728	6516	6251	5901	5485	4975	4314	3461	2570	1755	1095	623	302	96.8	18.5	
30	6725	6656	6558	6376	6162	5885	5523	5095	4555	3802	2963	2164	1452	903	505	238	53.8	17.1	
35	6260	6211	6111	5959	5756	5495	5145	4696	4132	3454	2718	2009	1379	877	509	251	74.7	16.7	
40	5791	5733	5618	5471	5253	4977	4600	4085	3466	2812	2172	1584	1080	683	389	186	33.7	15.5	
45	5116	5069	4965	4810	4591	4300	3943	3501	2981	2438	1909	1416	988	641	380	193	49.0	15.3	
50	4433	4377	4257	4073	3818	3496	3123	2711	2281	1849	1437	1062	744	480	284	139	24.3	14.3	
55	3448	3407	3319	3180	2987	2744	2462	2152	1823	1497	1183	893	639	425	260	133	29.3	14.2	
60	2454	2413	2331	2217	2065	1885	1681	1461	1235	1015	807	613	440	297	179	81.2	16.0	13.5	
65	1729	1703	1654	1582	1482	1365	1230	1080	925	769	621	482	354	245	152	71.9	17.7	13.6	
70	999	978	950	910	857	792	720	639	551	461	377	298	222	152	89.3	33.2	14.0	13.2	
75	639	630	617	595	564	524	480	430	374	313	257	202	149	102	60.6	28.8	14.2	13.4	
80	278	279	275	269	257	240	221	199	171	143	113	84.0	55.9	32.7	17.3	14.3	13.8	13.4	
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:2022-6-9

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: