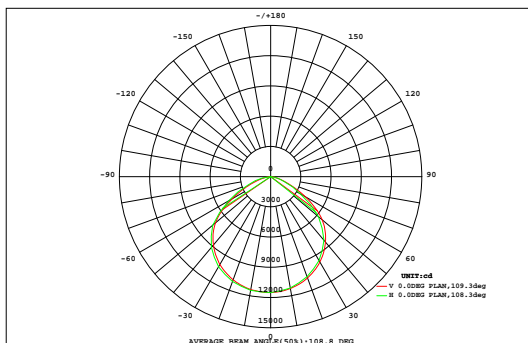


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.0V I:0.9076A P:197.2W PF:0.9877 Lamp Flux:30274.3x1 lm		
NAME: EV200B1205	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:323*272mm	PROTECTION ANGLE:



DATA OF LAMP		Eff:153.49lm/W	
MODEL	EV200B1205	Imax(cd)	11502
NOMINAL POWER(W)	200	AVAILABILITY(%)	97.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	29595
NOMINAL FLUX(lm)	30274.3	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	30274
TEST VOLTAGE(V)	220	θ @50%(H,V)	109,108DEG

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	0.05	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	224	39.4
80	0.08	0.71	2.77	6.34	11.1	16.5	21.8	25.5	27.3	27.1	25.0	21.3	16.6	11.4	6.74	3.16	0.93	0.10	541	467
70	0.12	1.83	6.33	14.6	26.6	40.4	53.7	64.0	69.1	68.2	61.6	50.7	37.5	24.6	13.8	6.27	1.94	0.17	1091	1060
60	0.26	3.06	11.2	27.5	51.3	80.1	109	131	142	141	128	105	75.8	47.7	25.3	10.6	3.03	0.28	1738	1720
50	0.39	4.45	17.3	43.6	83.3	130	173	205	220	220	203	170	127	79.8	40.7	16.1	4.24	0.41	2250	2237
40	0.52	5.93	23.9	61.5	118	176	223	255	271	271	253	219	172	114	58.4	22.1	5.51	0.51	2605	2594
30	0.61	7.26	30.1	78.3	145	204	253	288	306	305	286	250	200	141	75.7	28.1	6.71	0.60	2847	2838
20	0.69	8.37	35.3	91.7	161	222	274	311	330	329	309	270	218	156	88.5	32.9	7.59	0.66	2985	2977
10	0.74	9.02	38.3	98.9	170	232	286	324	344	343	322	282	228	165	96.2	36.1	8.18	0.70	3021	3013
0	0.76	9.31	39.4	101	172	236	289	328	348	347	325	285	231	167	97.4	36.6	8.19	0.69	2955	2946
-10	0.72	8.94	37.5	96.6	168	231	283	322	341	341	319	280	226	163	93.7	34.8	7.90	0.66	2778	2769
-20	0.65	8.20	33.7	86.6	156	218	269	306	324	323	303	264	213	151	83.3	30.4	7.05	0.57	2485	2473
-30	0.55	6.94	27.8	70.8	134	195	244	278	296	295	276	240	191	131	68.3	25.0	6.02	0.48	2053	2038
-40	0.46	5.57	21.5	53.5	102	158	205	237	253	253	235	201	155	99.8	49.7	18.6	4.69	0.39	1470	1447
-50	0.36	4.05	14.9	36.1	67.5	107	146	175	190	189	174	146	106	64.9	32.5	12.9	3.47	0.32	820	778
-60	0.28	2.77	9.40	21.6	39.0	59.7	80.4	97.3	107	107	97.1	79.0	56.5	34.7	18.4	7.77	2.32	0.25	350	198
-70	0.20	1.64	4.96	10.7	18.3	26.7	34.6	40.9	44.0	43.4	39.1	31.8	23.3	15.4	8.77	4.11	1.34	0.19	60.4	0.00
-80	0.08	0.47	1.36	2.56	3.89	5.24	6.22	6.77	6.76	6.40	5.77	4.99	3.98	2.83	1.78	0.90	0.28	0.08	---	29595
-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	---	---
HORIZONTAL(DEG)																			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	7.49	88.5	356	902	1627	2338	2949	3393	3621	3610	3360	2900	2280	1570	859	326	79.4	7.06	30274	---
80	0.00	32.5	310	862	1586	2298	2912	3361	3593	3580	3324	2859	2234	1530	814	278	21.3	0.00	---	29595

one-half-peak spread: U:56.7,D:52.0 , L:54.7,R:55.0

NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-6-11

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:220.0V I:0.9076A P:197.2W PF:0.9877 Lamp Flux:30274.3x1 lm		
NAME: EV200B1205	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integrattech	SUR.: 323*272mm	PROTECTION ANGLE:

Conical surface Flux(90deg):

17905 lm

%lum = 59.2%

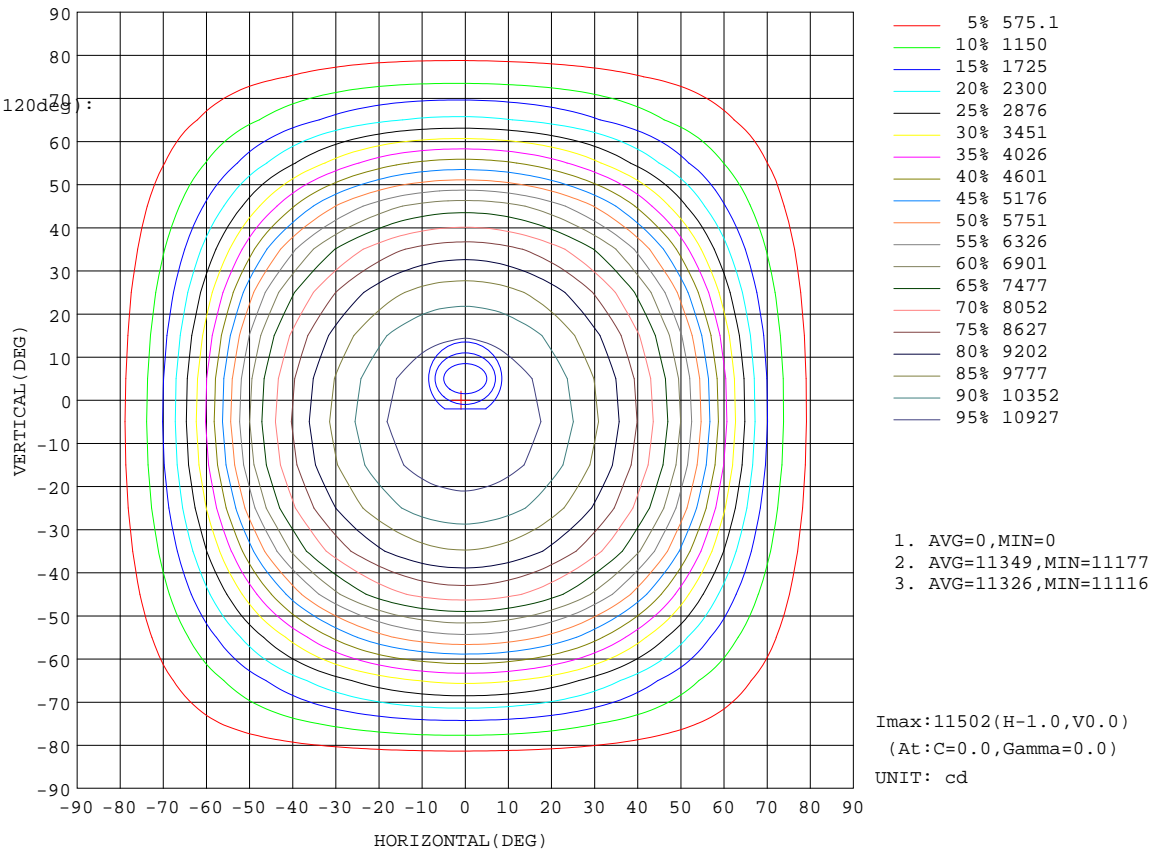
%lamp = 59.1%

Conical surface Flux(120deg):

25851 lm

%lum = 85.5%

%lamp = 85.4%



H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2022-6-11

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290

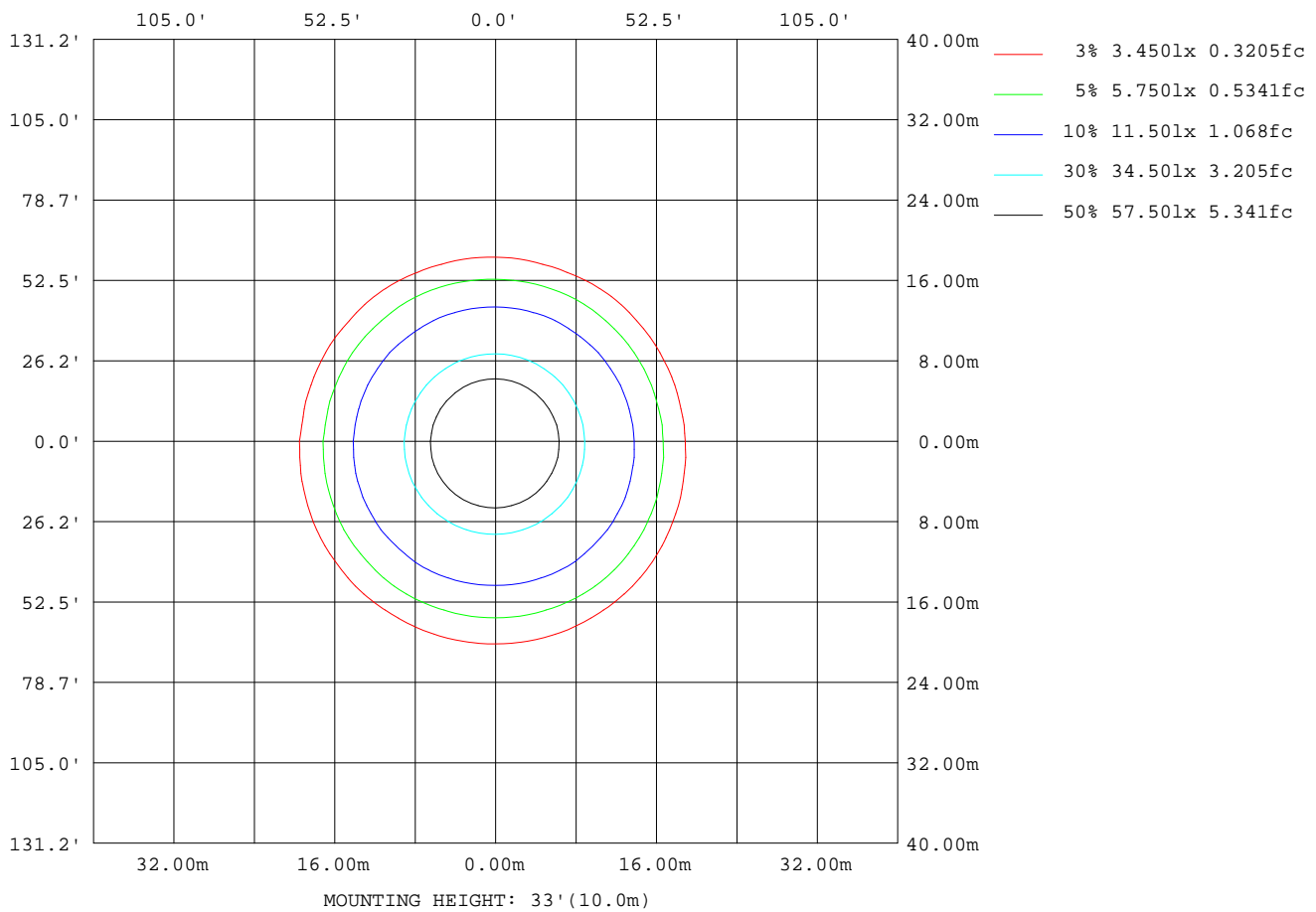
Humidity:65.0%

Test Distance:11.710m [K=1.0248]

Remarks:

ISOLUX DIAGRAM

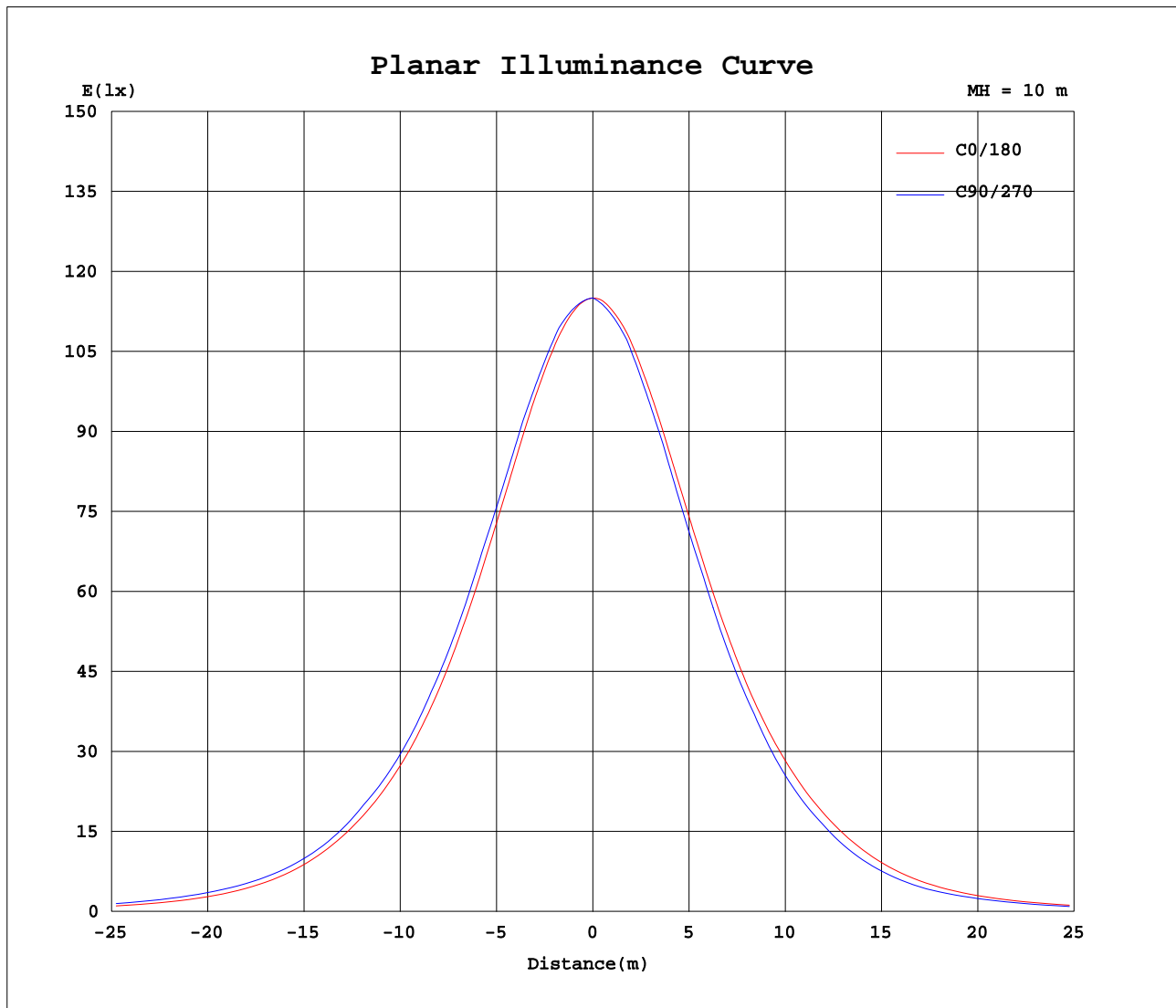
Test:U:220.0V I:0.9076A P:197.2W PF:0.9877 Lamp Flux:30274.3x1 lm		
NAME: EV200B1205	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:323*272mm	PROTECTION ANGLE:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-6-11

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

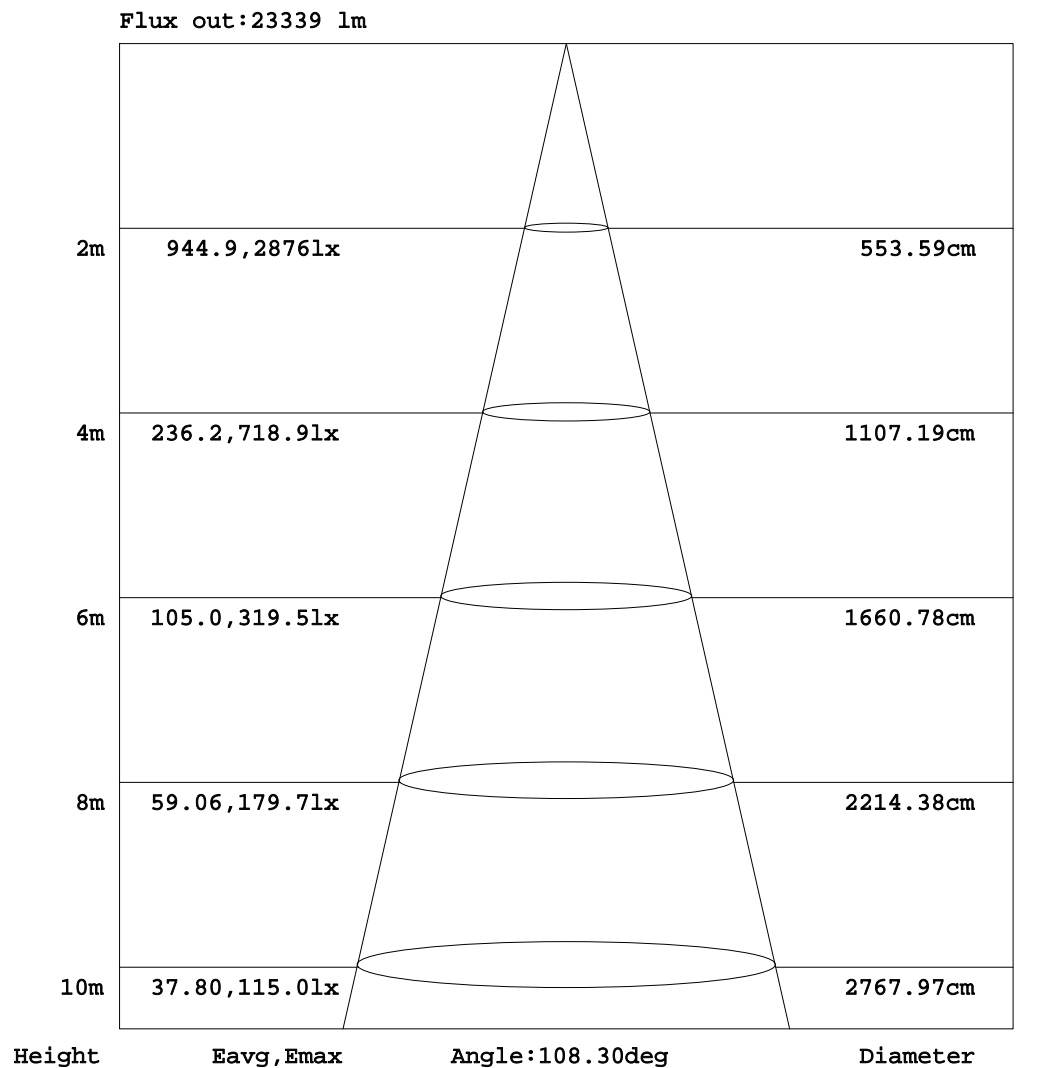


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-6-11

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:220.0V I:0.9076A P:197.2W PF:0.9877 Lamp Flux:30274.3x1 lm		
NAME: EV200B1205	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(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-6-11

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:220.0V I:0.9076A P:197.2W PF:0.9877 Lamp Flux:30274.3x1 lm		
NAME: EV200B1205	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	5.08	5.82	8.54	13.9	20.1	26.5	33.4	40.0	46.8	53.2	60.1	65.7	70.7	75.0	78.1	80.5	82.1	82.3	81.9
-75	4.85	5.79	10.2	18.8	28.1	37.7	49.1	61.9	75.2	88.0	101	113	124	134	143	150	155	157	158
-70	4.78	6.83	14.8	27.4	39.9	53.1	69.6	88.7	109	128	147	165	182	197	211	221	229	233	234
-65	4.52	6.46	15.9	31.5	48.5	68.7	93.2	121	150	180	211	241	269	294	316	334	347	356	359
-60	4.44	8.65	22.6	42.1	64.7	93.2	127	164	203	244	286	328	366	401	430	454	470	481	484
-55	4.18	7.41	22.1	44.9	73.0	108	151	199	252	307	364	419	472	518	555	582	602	614	618
-50	4.14	10.2	30.1	58.1	94.3	140	194	254	322	393	464	534	596	651	692	721	739	750	751
-45	3.91	8.48	28.8	60.5	101	154	219	292	373	459	544	618	680	730	770	799	819	831	834
-40	3.91	12.3	38.9	77.7	128	193	271	360	459	560	656	729	785	827	862	887	906	915	916
-35	3.71	9.48	35.8	75.9	129	200	286	387	497	606	699	772	830	876	912	940	960	972	975
-30	3.74	13.9	46.7	93.1	155	239	340	455	581	692	775	840	894	940	975	1001	1021	1031	1034
-25	3.55	10.5	42.2	88.4	152	240	347	471	603	713	796	864	921	968	1005	1034	1055	1066	1071
-20	3.55	16.6	53.7	106	181	281	401	539	673	770	847	912	967	1012	1048	1076	1095	1104	1107
-15	3.35	11.6	46.3	96.6	169	268	389	531	667	769	849	917	974	1020	1060	1089	1111	1123	1126
-10	3.32	19.4	55.8	112	192	301	432	581	707	802	879	946	1001	1047	1085	1112	1134	1143	1145
-5	3.12	13.6	47.4	100	175	280	409	557	689	788	868	936	994	1040	1081	1109	1132	1144	1148
0	3.06	21.7	56.7	114	196	307	442	592	715	808	884	950	1007	1051	1090	1117	1137	1147	1150
5	2.89	14.5	45.9	97.8	172	274	401	547	679	777	856	923	982	1028	1068	1098	1120	1130	1136
10	2.84	19.8	52.7	107	184	289	416	559	685	779	857	922	978	1022	1059	1089	1108	1116	1122
15	2.70	13.3	42.8	90.7	158	252	368	503	635	735	815	881	939	985	1023	1052	1074	1086	1090
20	2.68	18.6	48.5	98.0	166	259	371	501	630	726	803	866	920	964	1000	1025	1047	1057	1057
25	2.56	11.3	38.5	79.7	138	218	316	431	553	659	742	808	863	908	946	973	994	1006	1009
30	2.57	15.3	41.6	81.8	137	212	304	408	523	629	709	773	826	869	904	930	948	957	961
35	2.47	8.46	32.7	65.1	111	173	250	339	437	536	622	693	750	795	830	858	877	888	892
40	2.47	11.8	34.2	65.3	107	163	230	307	392	480	565	638	694	736	769	795	811	821	822
45	2.40	5.73	25.9	49.6	83.3	127	181	243	311	383	455	520	576	622	659	688	707	719	722
50	2.37	6.81	25.6	46.3	75.0	111	155	205	259	315	372	428	480	524	562	590	608	619	621
55	2.32	3.61	18.2	34.8	55.9	83.5	117	155	196	239	282	325	365	401	430	454	469	479	481
60	2.27	3.75	17.2	30.8	46.8	68.3	93.0	120	150	180	209	239	265	289	309	324	335	340	341
65	2.23	2.57	9.75	21.4	33.4	48.2	65.1	84.5	106	127	148	168	187	204	218	229	237	241	241
70	2.17	2.33	6.90	16.5	25.3	34.5	44.7	56.6	69.5	81.9	94.2	105	115	124	132	137	141	142	142
75	2.14	2.16	3.66	8.78	14.5	21.2	28.3	35.9	43.9	51.7	59.6	67.1	73.9	80.2	85.1	88.6	90.9	92.0	92.1
80	2.07	2.08	2.20	3.27	6.18	10.5	14.7	18.3	21.4	24.6	28.1	31.8	35.2	38.1	39.9	41.1	41.7	42.3	42.5
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:2022-6-11

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:220.0V I:0.9076A P:197.2W PF:0.9877 Lamp Flux:30274.3x1 lm		
NAME: EV200B1205	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	80.2	77.8	75.0	71.4	66.9	61.8	56.1	50.1	43.8	37.8	31.9	25.9	20.5	15.1	10.0	6.88	6.48	5.19	
-75	156	152	146	138	128	117	105	91.8	79.1	66.8	54.7	43.5	33.8	25.2	17.3	10.2	6.72	5.44	
-70	231	225	215	202	185	167	148	129	109	90.7	72.7	56.7	43.5	32.1	21.4	11.4	6.50	5.04	
-65	356	349	336	318	294	267	236	203	170	139	111	84.9	62.7	44.7	30.1	16.3	7.46	5.28	
-60	480	468	450	425	393	355	311	265	218	176	137	103	74.0	51.3	32.9	16.5	6.85	4.84	
-55	615	603	584	558	523	479	426	368	307	248	191	143	102	68.8	43.8	23.0	8.93	5.03	
-50	746	731	709	678	638	583	519	448	372	296	223	164	115	75.2	45.9	22.5	7.81	4.56	
-45	830	817	796	767	729	680	621	550	468	378	290	211	146	96.0	58.6	30.5	10.4	4.73	
-40	910	895	874	842	803	755	696	622	528	425	323	229	156	100.0	58.5	28.4	8.33	4.29	
-35	970	957	936	907	869	822	767	697	612	509	395	286	193	124	73.8	38.2	12.0	4.40	
-30	1026	1012	988	957	917	870	810	742	657	547	421	301	199	125	72.2	35.4	9.30	3.99	
-25	1065	1052	1030	1000	961	913	857	789	709	608	483	353	236	148	86.6	44.5	13.5	4.04	
-20	1100	1084	1061	1028	986	937	876	807	725	624	491	354	231	142	80.7	40.2	9.55	3.69	
-15	1121	1108	1086	1056	1015	966	909	841	762	666	543	401	268	166	95.9	48.5	16.3	3.65	
-10	1139	1124	1100	1069	1026	975	915	845	764	667	537	391	257	157	88.3	43.2	11.5	3.33	
-5	1143	1129	1107	1077	1036	987	929	861	782	689	567	422	283	174	100	50.1	19.0	3.25	
0	1143	1127	1103	1070	1028	977	917	847	765	669	540	394	259	157	87.6	42.8	13.2	2.97	
5	1131	1117	1095	1064	1024	976	919	851	772	679	557	414	278	172	99.0	49.6	19.5	2.88	
10	1114	1099	1077	1044	1002	953	895	826	744	646	518	376	248	152	86.5	42.2	14.0	2.63	
15	1085	1072	1051	1020	981	933	877	811	732	637	514	378	254	159	92.6	46.9	18.4	2.58	
20	1052	1037	1013	983	942	892	834	767	684	583	455	326	217	135	76.6	38.5	11.8	2.38	
25	1005	992	971	943	905	858	803	737	656	556	437	319	216	138	81.4	42.2	16.4	2.36	
30	954	940	918	889	850	803	746	679	592	484	370	266	180	115	66.9	34.4	10.3	2.19	
35	888	875	855	827	790	745	689	620	535	439	339	248	171	112	67.3	36.4	13.5	2.19	
40	818	803	781	752	714	667	606	530	442	353	269	196	136	88.8	52.8	28.6	7.22	2.06	
45	718	705	685	656	618	572	516	451	378	305	237	176	125	83.8	51.8	29.4	9.82	2.06	
50	615	601	578	546	506	457	401	344	285	229	178	134	96.2	64.5	40.3	22.3	5.27	1.96	
55	477	466	449	424	394	357	316	273	229	187	149	114	83.5	57.7	37.6	21.5	6.37	1.97	
60	336	325	311	291	268	241	213	185	156	129	104	80.9	59.5	42.1	27.7	14.8	3.23	1.90	
65	238	232	222	210	195	177	159	139	119	100	82.1	65.0	49.2	35.7	24.3	13.4	3.66	1.91	
70	139	135	129	123	115	106	96.1	85.4	74.5	63.8	52.8	42.7	33.3	24.5	16.3	7.53	2.17	1.87	
75	91.0	88.8	85.9	82.3	77.6	72.0	66.1	59.5	52.4	45.1	37.7	30.8	24.0	17.6	11.7	5.99	2.31	1.90	
80	42.4	42.1	41.1	40.0	38.4	36.1	33.5	30.7	27.2	23.7	19.9	16.1	12.1	8.26	4.75	2.30	1.95	1.90	
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:2022-6-11

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: