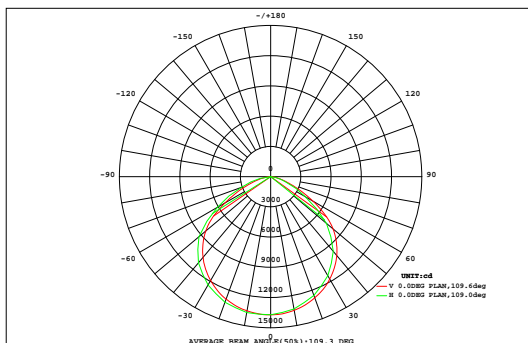


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.0V I:1.081A P:234.8W PF:0.9873 Lamp Flux:36356.7x1 lm		
NAME: EV240B1205	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:323*272mm	PROTECTION ANGLE:



DATA OF LAMP		Eff:154.84lm/W	
MODEL	EV240B1205	Imax(cd)	13715
NOMINAL POWER(W)	240	AVAILABILITY(%)	97.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	35554
NOMINAL FLUX(lm)	36356.7	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	36357
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	0.83	3.14	7.07	12.5	18.5	24.2	28.7	31.2	31.5	29.5	25.6	20.2	14.2	8.65	4.21	1.35	0.14	262	34.4
70	0.15	2.12	7.17	16.3	29.4	44.7	60.0	72.5	79.5	79.7	73.1	61.2	46.1	30.8	17.7	8.22	2.64	0.25	632	539
60	0.31	3.53	12.7	30.5	56.9	89.4	122	149	164	165	152	126	92.8	59.6	32.3	13.8	4.10	0.41	1274	1237
50	0.48	5.15	19.6	48.5	93.2	147	198	236	257	258	240	203	153	98.6	51.6	20.9	5.69	0.58	2037	2015
40	0.63	6.91	27.1	69.0	133	202	258	298	319	320	300	261	207	139	73.4	28.6	7.35	0.71	2651	2636
30	0.75	8.49	34.2	88.6	166	237	296	339	361	362	340	299	241	171	94.3	36.3	8.93	0.84	3084	3071
20	0.85	9.83	40.3	105	186	260	322	367	391	392	369	324	263	190	110	42.5	10.1	0.92	3383	3372
10	0.91	10.6	43.9	114	197	272	337	384	409	410	385	339	276	201	119	46.6	10.9	0.98	3557	3547
0	0.95	11.0	45.4	117	201	277	342	389	414	415	390	343	279	204	121	47.4	11.0	0.98	3610	3600
-10	0.90	10.6	43.6	112	196	272	336	382	407	408	384	338	275	200	118	45.4	10.6	0.93	3540	3530
-20	0.83	9.83	39.5	101	183	257	319	364	388	389	365	321	260	187	106	40.0	9.51	0.81	3342	3331
-30	0.71	8.43	33.1	84.0	159	232	291	334	357	357	335	293	235	165	88.2	33.1	8.16	0.70	3014	3001
-40	0.59	6.85	25.9	64.2	123	190	248	289	310	310	290	251	196	128	65.4	24.8	6.39	0.57	2531	2513
-50	0.48	5.07	18.4	44.1	82.7	131	181	217	236	237	220	186	137	85.3	43.3	17.4	4.75	0.47	1848	1821
-60	0.37	3.53	11.8	26.9	48.5	74.8	101	124	137	138	126	103	74.6	46.4	24.7	10.6	3.20	0.35	1055	1008
-70	0.27	2.15	6.39	13.7	23.3	34.0	44.5	53.0	57.6	57.3	52.0	42.5	31.4	20.9	12.0	5.69	1.91	0.26	459	297
-80	0.12	0.70	1.90	3.49	5.27	6.94	8.21	9.01	9.07	8.60	7.67	6.52	5.20	3.73	2.38	1.23	0.39	0.09	80.5	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	9.40	106	414	1045	1896	2746	3487	4036	4328	4338	4059	3523	2792	1945	1088	427	107	10.0	36357	---
Φ a	0.00	39.9	357	995	1847	2700	3445	3998	4290	4302	4021	3479	2738	1897	1037	371	39.0	0.00	---	35554

one-half-peak spread: U:57.9,D:51.5 , L:54.6,R:55.4

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=1.0248]  
Remarks:

# ISOCANDELA DIAGRAM

Test:U:220.0V I:1.081A P:234.8W PF:0.9873 Lamp Flux:36356.7x1 lm		
NAME: EV240B1205	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integratech	SUR.: 323*272mm	PROTECTION ANGLE:

Conical surface Flux(90deg):

21353 lm

%lum = 58.8%

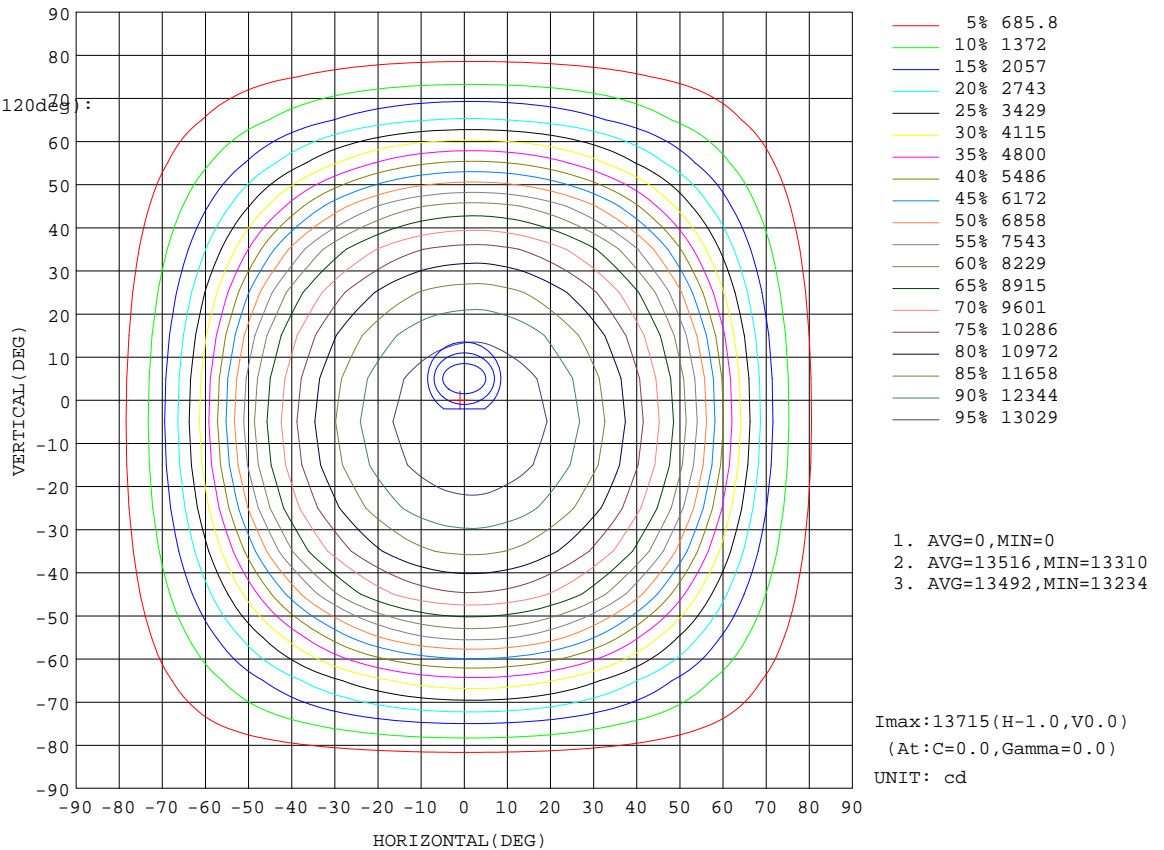
%lamp = 58.7%

Conical surface Flux(120deg):

30905 lm

%lum = 85.1%

%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

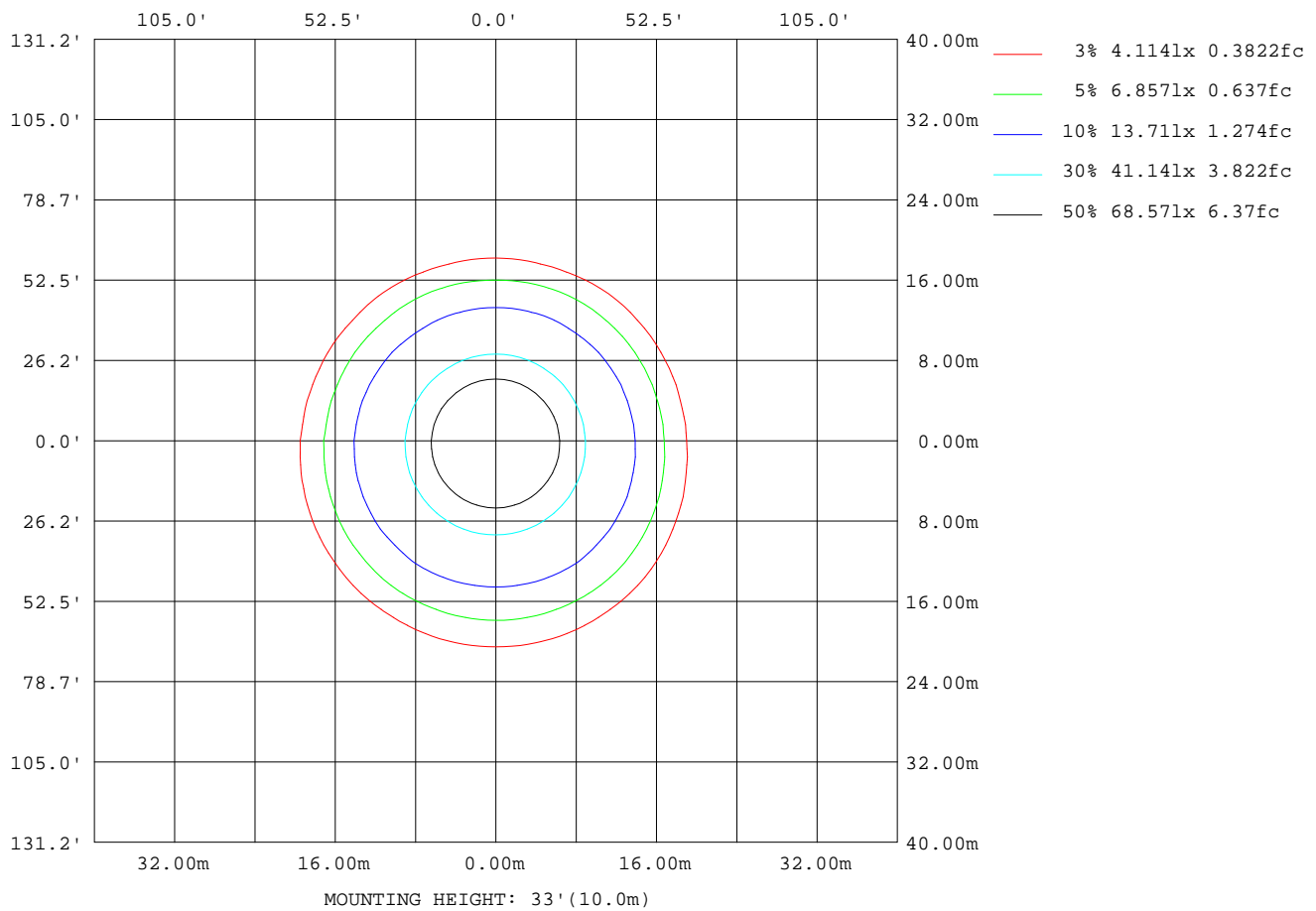
Humidity:65.0%

Test Distance:11.710m [K=1.0248]

Remarks:

ISOLUX DIAGRAM

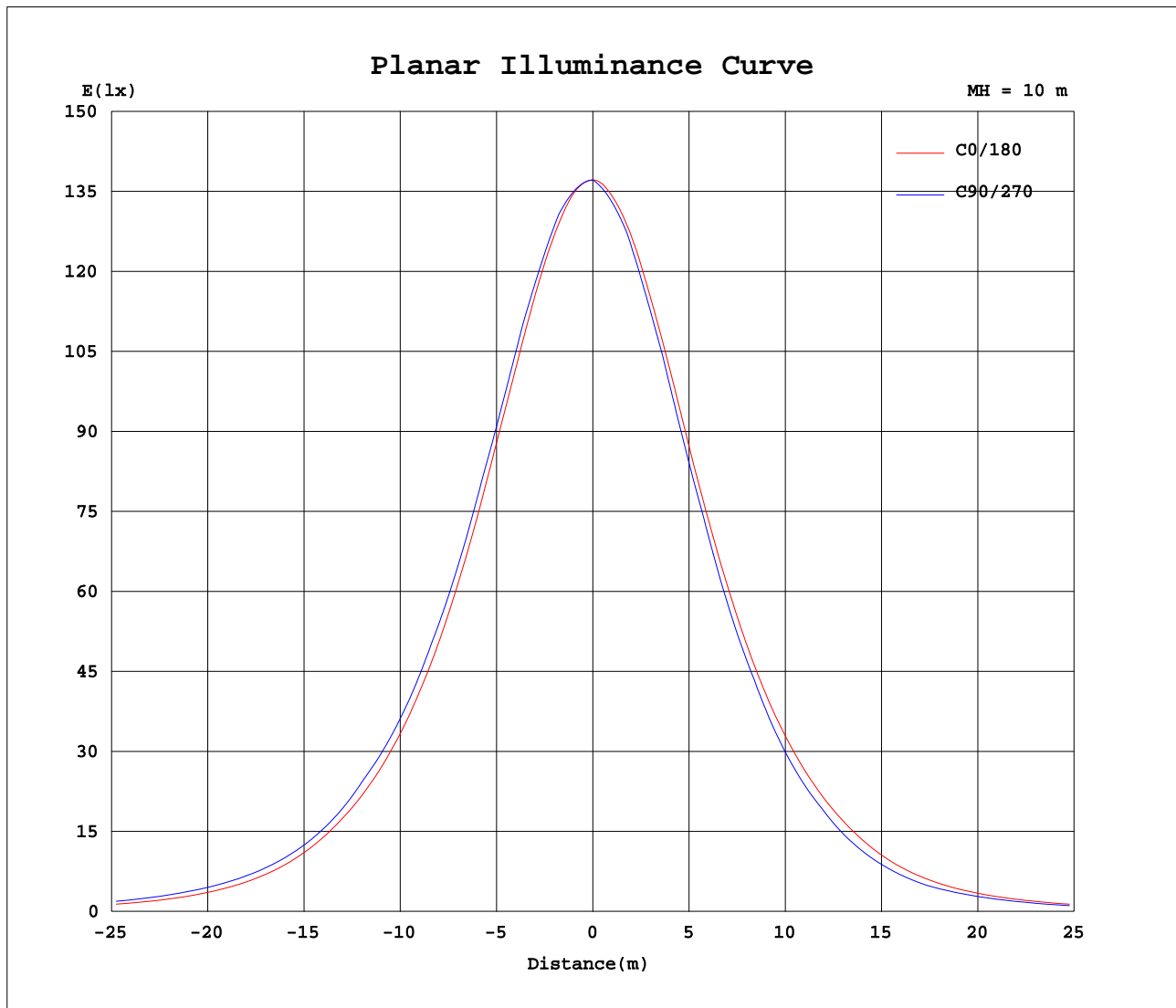
Test:U:220.0V I:1.081A P:234.8W PF:0.9873 Lamp Flux:36356.7x1 lm		
NAME: EV240B1205	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:323*272mm	PROTECTION ANGLE:



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=1.0248]  
Remarks:

## Planar Illuminance Curve

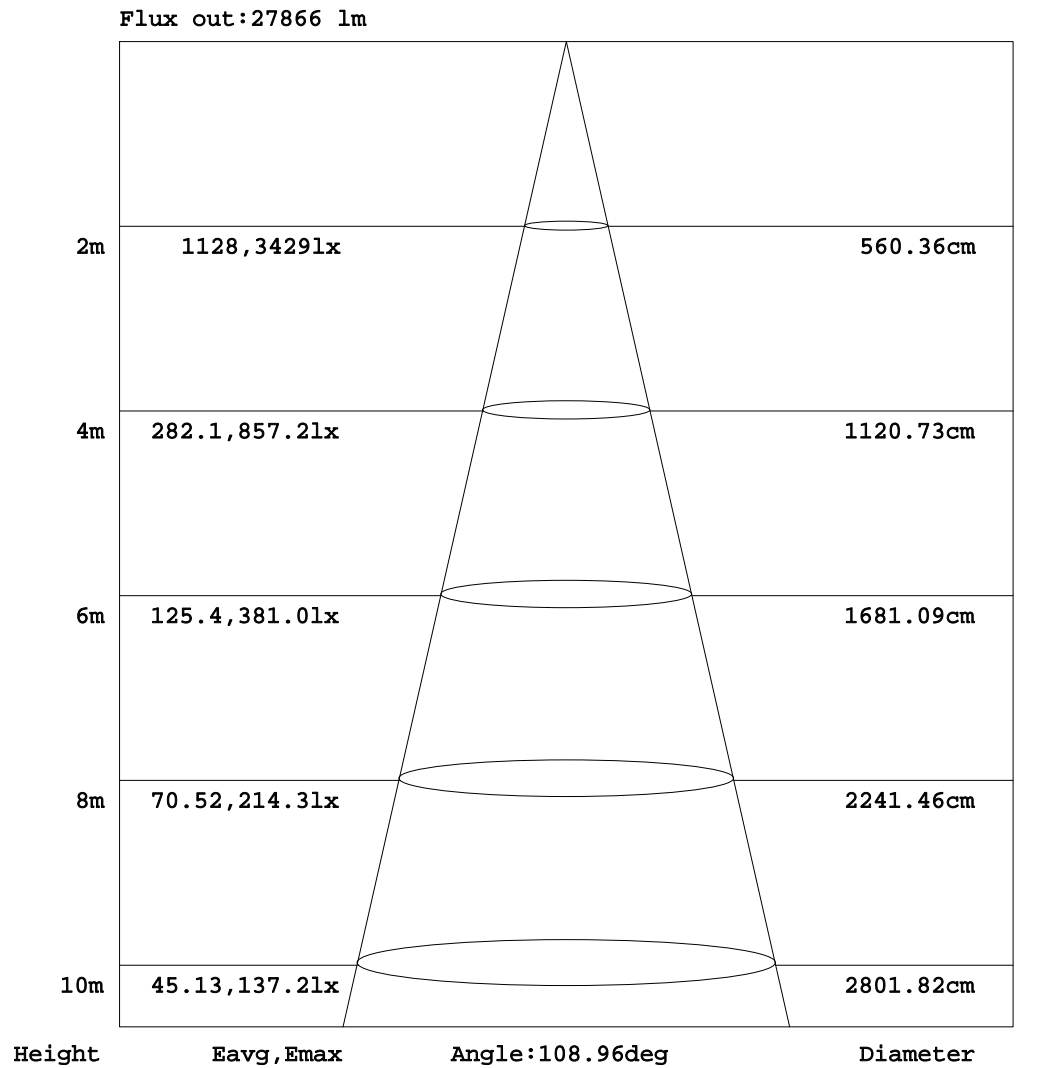


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-6-9

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=1.0248]  
Remarks:

### AAI Figure

Test:U:220.0V I:1.081A P:234.8W PF:0.9873 Lamp Flux:36356.7x1 lm		
NAME: EV240B1205	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=1.0248]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:1.081A P:234.8W PF:0.9873 Lamp Flux:36356.7x1 lm		
NAME: EV240B1205	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:323*272mm	PROTECTION ANGLE:

Table--1

UNIT: x10cd

H(DEC) 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	6.46	7.43	11.8	19.1	26.9	35.0	43.5	51.7	60.6	68.8	77.0	84.1	90.4	96.3	101	104	107	108	108
-75	6.02	7.06	12.4	23.1	34.6	46.5	60.4	76.3	92.8	109	125	140	155	169	181	191	199	204	205
-70	6.09	9.49	20.7	36.6	51.6	68.4	89.6	114	138	161	186	209	231	252	270	285	295	302	303
-65	5.59	7.64	18.8	37.6	58.1	82.5	112	145	181	218	257	295	332	365	395	420	440	452	458
-60	5.70	12.4	31.0	54.8	83.0	118	160	204	253	305	358	410	459	504	541	573	595	609	614
-55	5.19	8.51	25.6	52.8	86.0	128	178	235	299	367	437	507	573	633	681	718	746	763	772
-50	5.35	14.9	41.1	75.4	120	175	240	315	398	485	572	658	738	803	853	888	912	926	930
-45	4.86	9.50	32.9	69.7	117	178	252	339	437	541	644	737	814	880	931	970	997	1015	1023
-40	5.12	18.2	52.2	99.3	160	237	331	439	558	683	793	880	947	1001	1043	1077	1099	1111	1115
-35	4.62	10.4	40.4	86.1	147	227	326	444	574	707	819	910	982	1042	1089	1126	1154	1171	1178
-30	4.89	20.9	61.5	118	193	291	412	550	698	826	924	1003	1069	1124	1167	1202	1225	1238	1242
-25	4.40	11.2	47.3	99.3	172	269	391	535	691	824	928	1013	1083	1143	1192	1230	1258	1276	1283
-20	4.67	25.0	70.0	134	221	338	481	644	797	910	1004	1083	1149	1204	1250	1284	1307	1322	1326
-15	4.11	11.9	51.7	108	188	298	436	599	762	887	987	1072	1143	1203	1254	1292	1320	1339	1347
-10	4.32	28.4	72.6	141	235	361	517	690	836	947	1042	1120	1188	1243	1291	1324	1350	1363	1369
-5	3.80	13.5	52.7	111	195	310	455	626	787	908	1007	1092	1164	1224	1276	1313	1343	1360	1369
0	3.96	30.1	73.6	143	238	367	526	700	841	951	1044	1124	1190	1248	1293	1328	1352	1366	1371
5	3.47	14.4	51.3	109	190	302	444	611	771	891	990	1074	1147	1207	1258	1295	1325	1342	1352
10	3.63	28.2	68.6	134	223	343	491	657	802	913	1006	1087	1152	1209	1254	1290	1315	1328	1334
15	3.20	13.4	47.8	101	175	277	406	558	715	839	938	1021	1093	1152	1200	1239	1268	1285	1293
20	3.41	26.0	63.2	122	201	307	437	586	734	847	939	1017	1083	1135	1180	1213	1238	1250	1254
25	3.02	11.4	42.9	88.2	152	238	347	475	616	744	846	929	1000	1057	1104	1141	1169	1186	1193
30	3.18	21.9	53.4	102	166	250	353	473	604	727	824	902	966	1018	1061	1094	1117	1130	1135
35	2.91	8.79	36.4	72.0	123	190	273	371	482	596	699	788	859	916	963	1000	1026	1041	1049
40	3.01	17.6	43.6	80.6	130	192	267	354	451	551	650	735	802	855	897	929	949	962	966
45	2.82	6.24	28.7	55.1	92.3	140	198	265	341	422	505	583	651	708	755	792	819	836	845
50	2.88	11.2	32.9	56.8	90.3	131	180	235	296	360	423	487	547	600	646	681	705	720	725
55	2.72	4.11	19.9	38.8	62.0	92.0	128	169	214	261	310	359	406	449	486	516	538	553	559
60	2.76	6.16	21.9	37.7	56.2	80.1	108	138	169	203	236	269	300	328	352	371	385	393	395
65	2.62	3.01	10.8	23.8	37.1	53.3	71.8	92.6	115	138	162	185	207	227	244	259	270	277	280
70	2.62	3.02	10.0	20.2	30.3	40.6	51.9	64.9	79.2	93.0	106	118	130	140	149	156	161	163	164
75	2.52	2.61	4.40	9.81	16.4	23.7	31.1	39.4	48.5	57.6	66.3	74.4	81.9	88.8	94.7	99.4	103	105	106
80	2.49	2.54	2.66	4.53	8.25	12.3	16.7	21.0	25.3	29.5	33.4	36.9	40.0	42.6	44.6	46.2	47.3	48.3	48.9
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=1.0248]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:1.081A P:234.8W PF:0.9873 Lamp Flux:36356.7x1 lm		
NAME: EV240B1205	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	106	103	99.5	94.7	88.9	82.4	75.1	67.4	59.4	51.5	43.7	36.2	28.7	21.7	14.7	9.43	8.17	6.63	
-75	205	201	194	184	172	158	142	126	109	92.7	76.8	61.8	48.6	36.7	26.1	15.9	9.28	7.30	
-70	301	294	281	265	244	220	196	171	145	121	97.5	76.5	58.4	43.1	29.0	15.7	8.36	6.46	
-65	458	450	436	415	387	354	316	275	232	191	153	119	89.0	63.8	43.9	25.2	11.5	7.15	
-60	611	597	576	545	505	458	403	345	286	231	181	136	97.8	67.6	43.5	22.0	9.01	6.27	
-55	770	760	740	711	671	620	559	487	412	335	263	198	143	98.1	63.6	35.2	14.6	6.87	
-50	924	909	884	848	799	736	660	571	476	381	290	213	149	98.3	60.4	29.5	10.3	5.95	
-45	1020	1009	988	955	914	859	791	709	612	503	393	291	204	136	84.8	46.0	17.4	6.52	
-40	1109	1094	1068	1033	988	930	861	774	662	536	410	294	200	129	75.8	36.4	10.9	5.67	
-35	1176	1164	1143	1110	1069	1017	953	876	779	661	524	389	268	175	106	57.0	20.3	6.14	
-30	1236	1220	1193	1157	1112	1055	986	906	807	679	526	379	254	160	92.8	44.8	12.0	5.32	
-25	1282	1268	1247	1213	1170	1117	1054	976	886	774	630	473	325	207	124	65.9	23.6	5.71	
-20	1319	1303	1274	1236	1189	1133	1061	979	883	763	607	441	293	180	103	51.0	12.0	4.97	
-15	1345	1331	1309	1275	1230	1178	1113	1034	945	837	699	530	366	231	136	71.6	27.8	5.22	
-10	1363	1345	1318	1280	1230	1175	1103	1021	926	809	657	483	321	197	112	55.1	13.5	4.55	
-5	1368	1354	1331	1297	1252	1199	1133	1055	964	858	724	553	383	241	142	73.8	31.0	4.68	
0	1366	1346	1319	1280	1234	1173	1103	1020	923	809	658	483	321	196	110	54.2	14.6	4.08	
5	1350	1336	1314	1279	1236	1182	1117	1040	950	843	709	540	374	236	139	72.7	31.2	4.17	
10	1326	1311	1285	1245	1199	1141	1072	991	896	779	629	459	306	190	108	53.1	16.2	3.60	
15	1292	1279	1257	1223	1180	1129	1065	989	900	792	653	493	341	218	130	68.3	29.3	3.78	
20	1249	1232	1206	1168	1123	1068	999	918	824	702	551	399	268	167	95.8	48.2	13.6	3.21	
25	1194	1181	1159	1127	1086	1036	973	899	809	696	558	417	289	188	114	61.1	26.3	3.43	
30	1130	1115	1088	1055	1012	957	890	812	710	583	450	326	222	143	83.8	43.2	11.9	2.88	
35	1049	1038	1017	987	948	898	835	758	663	554	436	325	229	153	94.2	52.4	22.2	3.08	
40	961	948	923	890	847	793	722	633	532	428	329	242	169	111	66.7	36.1	8.58	2.64	
45	844	833	813	783	742	691	629	556	473	388	306	231	167	114	72.6	42.2	16.9	2.76	
50	720	705	681	645	599	543	480	415	347	281	220	166	120	81.4	51.4	28.6	6.67	2.45	
55	558	550	532	508	474	435	389	340	289	239	193	150	112	78.9	52.7	31.6	11.3	2.52	
60	392	382	367	346	320	291	258	225	192	160	129	101	74.9	53.7	36.0	18.8	4.36	2.34	
65	279	273	264	252	236	217	196	174	151	128	106	85.5	65.8	48.7	34.2	20.2	6.58	2.37	
70	162	158	153	146	137	127	116	104	91.1	78.8	66.4	53.8	42.3	31.6	21.3	9.83	2.97	2.29	
75	106	104	102	98.3	93.5	87.6	81.1	73.7	65.7	57.3	49.0	40.6	32.3	24.6	17.1	9.52	3.62	2.34	
80	49.1	48.9	48.1	47.1	45.5	43.0	40.2	37.1	33.4	29.3	25.0	20.5	15.9	11.3	6.89	3.42	2.38	2.33	
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=1.0248]

Remarks: