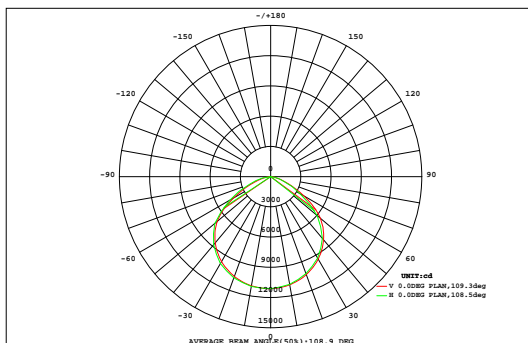


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.1V I:0.9104A P:197.9W PF:0.9878 Lamp Flux:29299.8x1 lm		
NAME: EV200B1204	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:323*272mm	PROTECTION ANGLE:



DATA OF LAMP		Eff:148.06lm/W	
MODEL	EV200B1204	Imax(cd)	11121
NOMINAL POWER(W)	200	AVAILABILITY(%)	97.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	28646
NOMINAL FLUX(lm)	29299.8	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	29300
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	220	40.5
80	0.08	0.69	2.72	6.23	10.8	16.2	21.3	25.0	26.7	26.5	24.5	20.9	16.2	11.2	6.62	3.10	0.92	0.09	529	458
70	0.12	1.80	6.21	14.3	26.1	39.5	52.5	62.5	67.4	66.5	60.1	49.4	36.6	24.0	13.6	6.13	1.90	0.16	1063	1034
60	0.25	3.00	11.0	26.8	50.1	78.1	106	127	138	137	124	102	73.8	46.5	24.7	10.3	2.96	0.28	1691	1673
50	0.39	4.36	16.9	42.5	81.2	127	169	199	215	214	197	165	123	77.5	39.6	15.6	4.12	0.39	2185	2172
40	0.51	5.80	23.3	59.8	114	171	216	248	264	263	245	213	167	110	56.6	21.4	5.34	0.49	2526	2515
30	0.60	7.06	29.3	76.0	140	198	245	279	297	296	277	242	194	136	73.2	27.2	6.51	0.58	2758	2749
20	0.68	8.17	34.3	89.0	156	216	265	301	320	319	299	262	211	151	85.5	31.8	7.33	0.64	2887	2879
10	0.72	8.76	37.1	95.9	164	225	276	314	333	332	312	273	221	160	92.9	34.9	7.91	0.68	2919	2911
0	0.75	9.05	38.2	97.8	166	228	280	317	336	335	314	275	223	161	93.8	35.2	7.88	0.67	2852	2844
-10	0.71	8.69	36.4	93.5	162	223	274	311	330	329	308	270	218	157	90.2	33.4	7.58	0.63	2680	2671
-20	0.64	7.97	32.7	83.9	151	210	260	295	313	312	292	255	205	146	80.2	29.2	6.77	0.55	2395	2384
-30	0.53	6.75	27.0	68.7	130	188	235	268	285	284	265	231	184	126	65.8	24.0	5.79	0.46	1979	1964
-40	0.45	5.41	20.9	51.8	99.0	153	197	228	244	243	226	194	149	96.3	47.9	17.9	4.51	0.38	1420	1399
-50	0.35	3.94	14.5	35.0	65.3	103	142	169	183	183	168	140	102	62.7	31.4	12.4	3.34	0.31	797	756
-60	0.28	2.70	9.14	21.0	37.9	58.0	78.1	94.6	104	104	94.2	76.6	54.7	33.7	17.8	7.51	2.24	0.24	341	196
-70	0.20	1.60	4.83	10.4	17.9	26.0	33.8	39.9	42.9	42.4	38.1	30.9	22.7	15.0	8.52	3.98	1.30	0.18	59.1	0.00
-80	0.08	0.47	1.33	2.50	3.81	5.13	6.10	6.65	6.64	6.29	5.65	4.88	3.88	2.75	1.73	0.87	0.27	0.08	---	28646
-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	---	---
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL(DEG) 20 30 40 50 60 70 80 90																				
Φ t	7.32	86.2	346	875	1577	2264	2856	3285	3505	3493	3251	2804	2204	1518	830	315	76.7	6.80	29300	---
Φ a	0.00	32.1	302	836	1537	2226	2820	3255	3477	3465	3216	2765	2159	1479	786	268	20.1	0.00	---	28646

one-half-peak spread: U:56.7,D:52.1 , L:53.8,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:2022-6-11

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=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.1V I:0.9104A P:197.9W PF:0.9878 Lamp Flux:29299.8x1 lm		
NAME: EV200B1204	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integrattech	SUR.: 323*272mm	PROTECTION ANGLE:

Conical surface Flux(90deg):

17313 lm

%lum = 59.2%

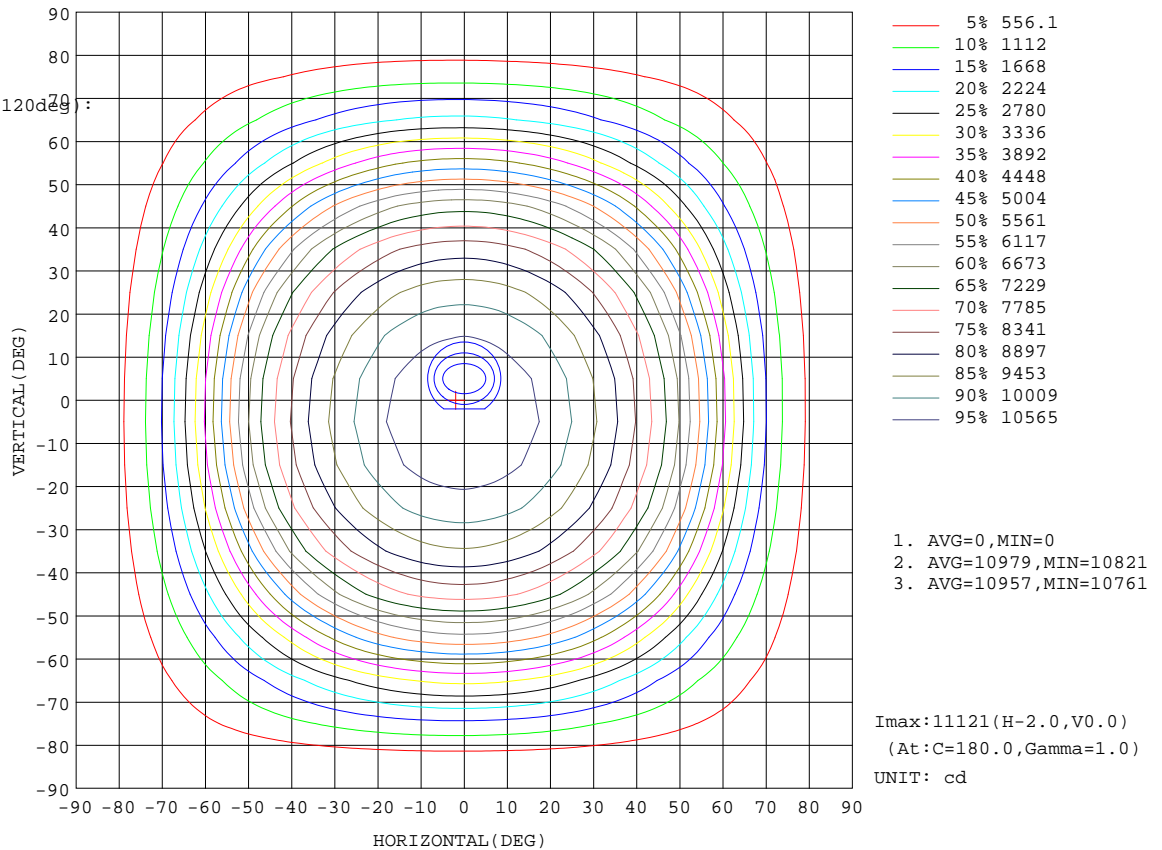
%lamp = 59.1%

Conical surface Flux(120deg):

25003 lm

%lum = 85.5%

%lamp = 85.3%



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

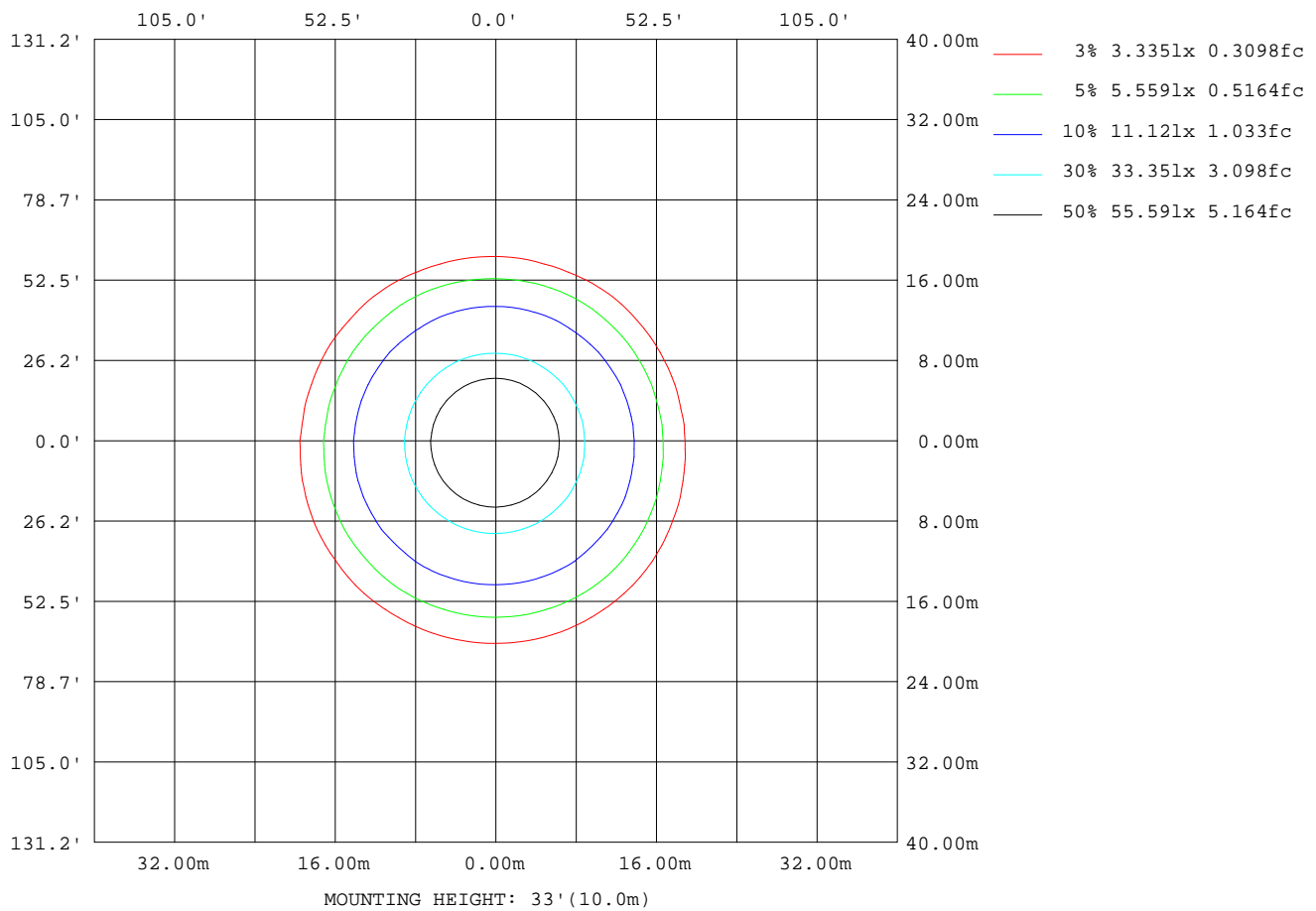
Humidity:65.0%

Test Distance:11.710m [K=1.0000]

Remarks:

ISOLUX DIAGRAM

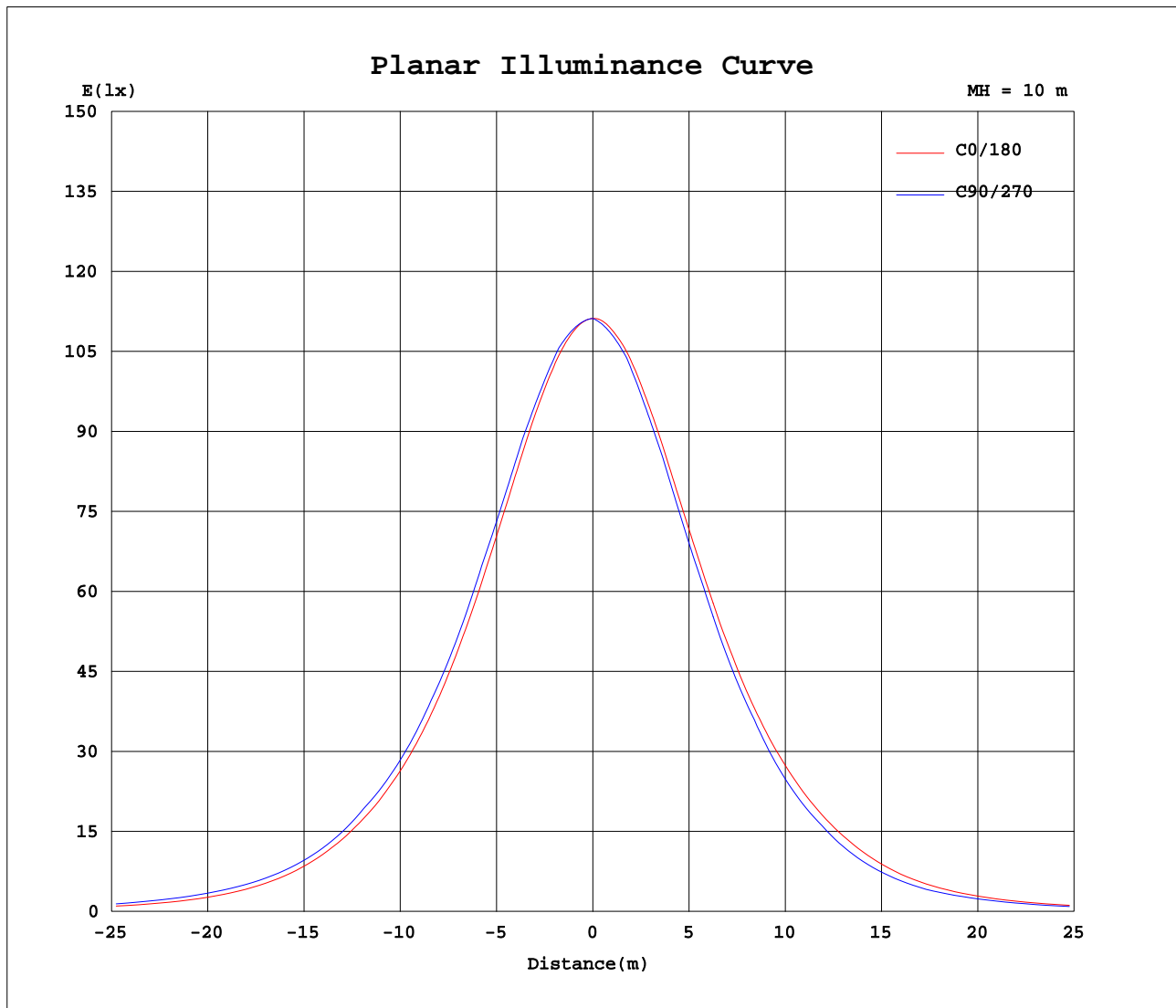
Test:U:220.1V I:0.9104A P:197.9W PF:0.9878 Lamp Flux:29299.8x1 lm		
NAME: EV200B1204	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:323*272mm	PROTECTION ANGLE:



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=1.0000]
Remarks:

Planar Illuminance Curve

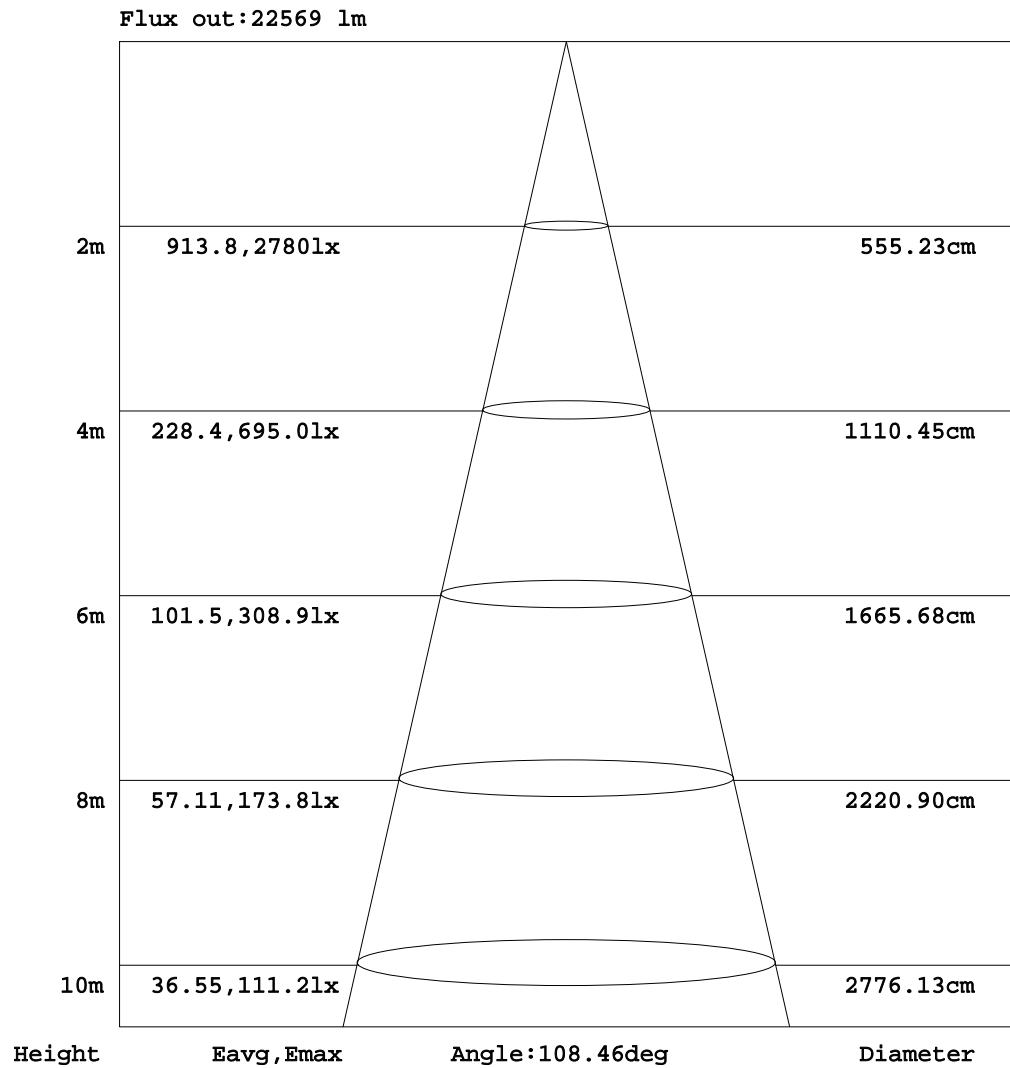


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-6-11

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=1.0000]
Remarks:

AAI Figure

Test:U:220.1V I:0.9104A P:197.9W PF:0.9878 Lamp Flux:29299.8x1 lm		
NAME: EV200B1204	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=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.9104A P:197.9W PF:0.9878 Lamp Flux:29299.8x1 lm		
NAME: EV200B1204	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:323*272mm	PROTECTION ANGLE:

Table--1

UNIT: ×10cd

H(°) \ 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	4.88	5.61	8.35	13.7	19.6	25.9	32.6	39.0	45.6	51.9	58.7	64.2	69.1	73.2	76.4	78.6	80.3	80.4	80.0
-75	4.66	5.60	10.0	18.3	27.3	36.7	47.8	60.3	73.1	85.8	98.4	110	121	131	139	146	151	153	154
-70	4.60	6.65	14.5	26.6	38.7	51.7	68.0	86.2	106	125	143	161	177	192	205	215	223	227	227
-65	4.35	6.27	15.5	30.6	47.1	66.7	90.6	117	146	175	205	234	261	286	307	324	337	346	348
-60	4.28	8.42	22.0	40.9	62.9	90.6	124	159	197	237	278	318	355	389	417	440	456	466	468
-55	4.03	7.21	21.6	43.7	71.0	105	147	193	244	297	352	406	457	501	537	563	581	593	597
-50	3.98	9.94	29.5	56.7	91.8	136	188	247	311	379	448	516	578	629	668	695	712	723	724
-45	3.77	8.26	28.1	58.9	98.6	150	212	283	362	444	526	597	656	705	743	770	789	800	803
-40	3.77	12.0	37.8	75.5	124	187	263	349	444	542	634	703	756	797	830	854	872	881	882
-35	3.58	9.21	34.8	73.8	125	194	278	375	482	587	676	745	800	844	879	905	925	936	939
-30	3.61	13.5	45.4	90.3	151	232	329	442	563	669	748	810	863	906	940	965	984	994	997
-25	3.42	10.2	41.1	85.9	148	233	336	456	584	689	769	834	888	934	970	998	1018	1028	1033
-20	3.43	16.2	52.3	103	175	272	388	522	650	743	818	881	933	977	1012	1039	1057	1066	1068
-15	3.24	11.3	45.0	94.1	164	260	378	514	645	742	820	885	941	985	1024	1052	1073	1084	1087
-10	3.21	18.9	54.2	109	187	292	419	562	682	774	850	915	967	1011	1048	1074	1095	1104	1106
-5	3.02	13.3	46.1	97.3	170	272	396	539	666	762	839	905	961	1005	1045	1072	1094	1105	1109
0	2.97	21.2	55.2	111	190	298	428	573	691	782	856	919	974	1017	1054	1080	1100	1109	1112
5	2.81	14.2	45.0	95.0	167	267	388	530	657	752	829	894	950	995	1033	1062	1083	1093	1099
10	2.76	19.5	51.5	104	179	280	403	543	664	755	829	891	946	989	1025	1054	1072	1081	1086
15	2.62	13.0	42.0	88.3	154	246	357	488	615	713	791	854	909	954	991	1019	1041	1052	1056
20	2.61	18.2	47.8	95.7	162	253	361	487	610	705	779	840	892	935	970	994	1015	1025	1025
25	2.49	11.0	37.6	77.7	134	212	307	418	536	639	719	783	837	881	917	944	964	976	979
30	2.50	14.8	40.4	79.5	133	206	295	396	507	609	688	749	802	843	877	903	920	929	933
35	2.41	8.26	31.9	63.7	109	169	244	329	425	521	604	673	728	772	806	834	852	863	866
40	2.42	11.6	33.6	64.0	105	159	225	299	382	468	550	621	675	716	748	773	789	798	800
45	2.35	5.65	25.4	48.8	81.6	124	177	237	303	374	443	507	561	606	641	670	688	699	702
50	2.32	6.68	25.1	45.3	73.5	109	152	200	252	308	362	417	467	511	547	575	592	603	605
55	2.28	3.55	17.9	34.1	54.8	81.7	114	151	191	233	275	317	356	390	419	442	457	466	469
60	2.24	3.68	16.9	30.2	45.9	66.9	90.9	118	147	176	205	233	259	282	301	316	326	331	332
65	2.19	2.53	9.56	21.0	32.7	47.2	63.8	82.7	103	124	145	164	182	199	213	224	231	235	235
70	2.13	2.30	6.76	16.2	24.8	33.9	43.9	55.7	68.3	80.7	92.6	103	113	121	129	134	138	139	138
75	2.11	2.13	3.61	8.63	14.2	20.8	27.7	35.2	43.1	50.8	58.5	65.8	72.3	78.4	83.3	86.7	89.0	90.1	90.2
80	2.05	2.06	2.17	3.22	6.06	10.3	14.5	17.9	21.0	24.0	27.2	30.9	34.4	37.4	39.3	40.4	41.0	41.6	41.8
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=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.9104A P:197.9W PF:0.9878 Lamp Flux:29299.8x1 lm		
NAME: EV200B1204	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	78.3	76.0	73.2	69.6	65.1	60.2	54.6	48.7	42.6	36.7	31.0	25.1	19.8	14.6	9.69	6.61	6.23	4.97	
-75	152	148	143	135	125	113	102	89.3	76.9	64.7	53.0	42.2	32.7	24.3	16.7	9.82	6.44	5.22	
-70	225	219	209	196	180	162	144	125	106	88.0	70.5	55.3	42.0	30.9	20.6	11.0	6.24	4.83	
-65	346	338	326	308	285	258	229	197	165	135	107	82.1	60.5	43.1	29.0	15.6	7.14	5.07	
-60	465	454	436	412	381	343	301	256	211	170	133	99.7	71.3	49.4	31.7	15.9	6.56	4.65	
-55	594	582	564	539	505	462	412	356	297	239	184	138	98.0	66.3	42.2	22.1	8.54	4.83	
-50	719	705	683	653	615	562	501	432	360	285	215	158	110	72.4	44.2	21.6	7.48	4.38	
-45	799	787	767	739	702	655	599	531	451	365	279	203	141	92.3	56.3	29.1	9.97	4.55	
-40	876	862	841	810	773	727	670	599	510	410	310	221	150	96.1	56.2	26.8	7.96	4.12	
-35	934	922	901	873	837	792	738	672	590	490	380	275	186	119	70.9	36.4	11.5	4.23	
-30	989	975	952	922	884	838	781	713	633	527	406	290	192	120	69.5	34.1	8.89	3.84	
-25	1027	1014	993	964	926	880	825	761	684	586	465	339	227	142	83.2	42.7	13.0	3.89	
-20	1061	1046	1024	992	951	904	844	779	700	600	473	340	222	137	77.3	38.4	9.00	3.55	
-15	1082	1070	1048	1019	979	932	877	811	735	642	522	385	257	159	92.0	46.7	15.5	3.52	
-10	1100	1086	1062	1032	990	941	883	815	737	643	517	375	247	150	84.7	41.4	10.9	3.21	
-5	1104	1091	1069	1040	1000	953	897	831	754	663	546	406	272	167	96.3	48.4	18.1	3.14	
0	1105	1090	1066	1034	993	944	885	817	738	645	520	379	249	151	84.4	41.2	12.7	2.87	
5	1094	1080	1059	1029	990	944	888	822	745	655	538	399	268	166	95.7	47.9	18.8	2.79	
10	1078	1064	1043	1010	969	922	865	799	719	627	501	363	240	148	83.8	40.9	13.5	2.55	
15	1051	1038	1017	988	950	903	849	785	707	616	496	365	245	154	89.5	45.4	17.7	2.51	
20	1020	1005	982	952	913	864	807	742	662	564	439	315	209	131	74.0	37.0	11.4	2.31	
25	975	962	942	914	877	831	778	714	636	539	422	308	209	134	78.8	40.9	15.8	2.30	
30	926	912	891	863	824	779	724	657	575	469	359	258	175	112	65.2	33.5	10.0	2.14	
35	862	850	830	803	767	723	668	600	519	426	328	241	166	109	65.4	35.2	12.9	2.14	
40	795	780	759	730	693	647	588	513	428	342	260	190	132	86.1	51.1	27.3	6.99	2.02	
45	699	686	665	637	600	556	501	437	367	296	230	171	122	81.5	50.4	28.3	9.33	2.02	
50	599	585	562	531	491	443	391	334	278	224	174	130	93.7	62.8	39.3	21.6	5.07	1.92	
55	465	454	436	413	383	347	307	265	224	182	145	111	81.5	56.3	36.7	21.0	6.15	1.93	
60	327	317	303	284	261	235	208	180	153	126	102	79.0	58.1	41.2	27.1	14.4	3.14	1.86	
65	233	226	217	205	190	173	155	136	117	98.1	80.3	63.6	48.2	34.9	23.8	13.1	3.56	1.88	
70	136	132	126	120	112	103	94.0	83.6	72.9	62.5	51.7	41.9	32.6	24.0	15.9	7.35	2.13	1.85	
75	89.1	86.9	84.1	80.5	76.0	70.6	64.8	58.3	51.3	44.2	37.1	30.2	23.6	17.3	11.4	5.86	2.27	1.88	
80	41.7	41.4	40.4	39.4	37.7	35.5	33.0	30.1	26.8	23.3	19.6	15.8	11.9	8.12	4.68	2.27	1.93	1.87	
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=1.0000]

Remarks: