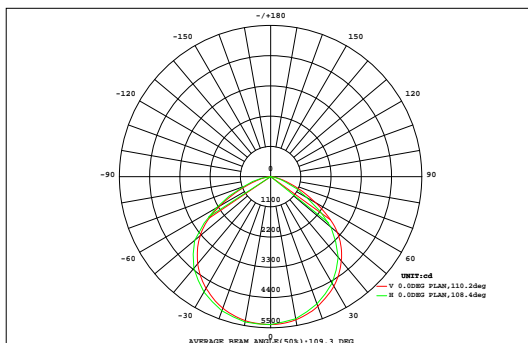


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.2V I:0.4523A P:98.43W PF:0.9886 Lamp Flux:14142.7x1 lm		
NAME: EV100B1204	TYPE:	WEIGHT:4.27KG
SPEC.:	DIM.: 368*333*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:272*170mm	PROTECTION ANGLE:



DATA OF LAMP		Eff:143.68lm/W	
MODEL	EV100B1204	Imax(cd)	5379
NOMINAL POWER(W)	100	AVAILABILITY(%)	97.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	13821
NOMINAL FLUX(lm)	14142.7	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	14143
TEST VOLTAGE(V)	220	θ @50%(H,V)	110,108DEG

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	0.00	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	0.03	0.22	0.86	2.12	3.88	5.92	7.85	9.39	10.3	10.5	9.96	8.67	6.86	4.77	2.75	1.21	0.34	0.04	85.7	3.64
70	0.04	0.60	2.25	5.34	10.1	15.9	21.8	26.6	29.4	29.6	27.2	22.9	17.4	11.6	6.50	2.85	0.81	0.06	231	189
60	0.08	1.08	4.19	10.8	21.5	34.9	48.3	58.8	64.4	64.2	58.7	48.6	35.8	23.1	12.5	5.17	1.38	0.11	494	479
50	0.13	1.61	6.83	18.6	37.6	59.9	79.7	94.4	102	102	94.4	79.5	59.8	38.4	20.2	8.09	2.05	0.17	806	797
40	0.17	2.22	9.88	27.7	54.4	81.2	103	118	126	126	118	103	81.3	54.4	28.7	11.2	2.73	0.22	1048	1042
30	0.21	2.78	12.9	36.1	66.6	93.9	117	133	143	143	134	117	94.6	67.2	36.8	14.3	3.38	0.27	1215	1210
20	0.24	3.28	15.6	42.7	74.3	103	127	145	154	154	145	127	103	74.6	43.0	16.6	3.87	0.30	1332	1328
10	0.26	3.59	17.2	46.1	78.3	108	133	151	161	161	151	133	108	79.0	46.8	18.3	4.21	0.32	1401	1397
0	0.28	3.71	17.8	47.0	79.5	109	134	153	163	163	153	134	109	80.0	47.5	18.5	4.25	0.33	1418	1414
-10	0.27	3.55	16.8	45.0	77.5	107	132	150	160	160	150	132	107	78.3	46.0	17.8	4.10	0.32	1389	1385
-20	0.25	3.23	15.0	40.6	72.5	101	125	143	152	152	143	125	102	73.2	41.3	15.7	3.65	0.29	1309	1305
-30	0.22	2.70	12.1	33.1	62.9	91.0	114	131	139	139	131	114	91.9	64.3	34.2	13.0	3.08	0.26	1177	1172
-40	0.19	2.12	9.03	24.4	48.4	74.8	96.9	113	121	121	113	97.6	75.8	49.5	25.2	9.70	2.38	0.21	983	976
-50	0.15	1.53	5.99	15.6	30.9	50.4	69.6	83.7	91.1	91.3	84.2	70.9	51.9	32.3	16.8	6.62	1.70	0.17	705	694
-60	0.11	1.02	3.57	8.69	16.5	26.2	36.2	44.7	49.7	49.9	45.6	37.6	27.7	17.6	9.30	3.82	1.08	0.12	379	359
-70	0.08	0.56	1.81	3.98	7.00	10.3	13.6	16.4	18.2	18.6	17.4	14.8	11.2	7.37	4.09	1.83	0.59	0.09	148	69.6
-80	0.04	0.16	0.49	0.95	1.44	1.86	2.12	2.23	2.23	2.19	2.09	1.82	1.40	0.96	0.62	0.32	0.10	0.04	21.1	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	2.75	34.0	152	409	743	1074	1361	1573	1686	1688	1578	1369	1086	756	422	165	39.7	3.33	14143	---
Φ a	0.00	9.48	129	389	723	1054	1341	1555	1669	1671	1561	1350	1065	739	403	145	14.8	0.00	---	13821

one-half-peak spread: U:57.2,D:51.6 , L:56.3,R:54.4

NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-6-7

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:220.2V I:0.4523A P:98.43W PF:0.9886 Lamp Flux:14142.7x1 lm		
NAME: EV100B1204	TYPE:	WEIGHT:4.27KG
SPEC.:	DIM.: 368*333*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:272*170mm	PROTECTION ANGLE:

Conical surface Flux(90deg):

8390.6 lm

%lum = 59.4%

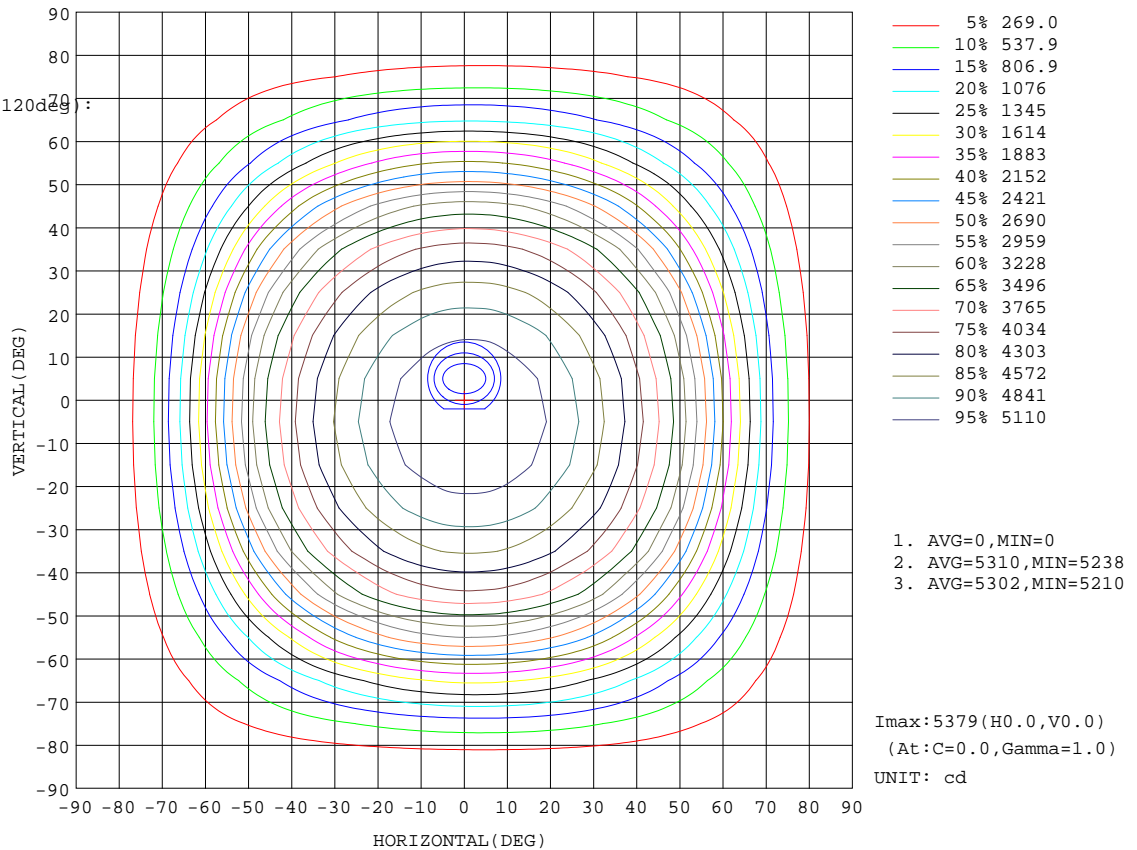
%lamp = 59.3%

Conical surface Flux(120deg):

12144 lm

%lum = 86.0%

%lamp = 85.9%



H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2022-6-7

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

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

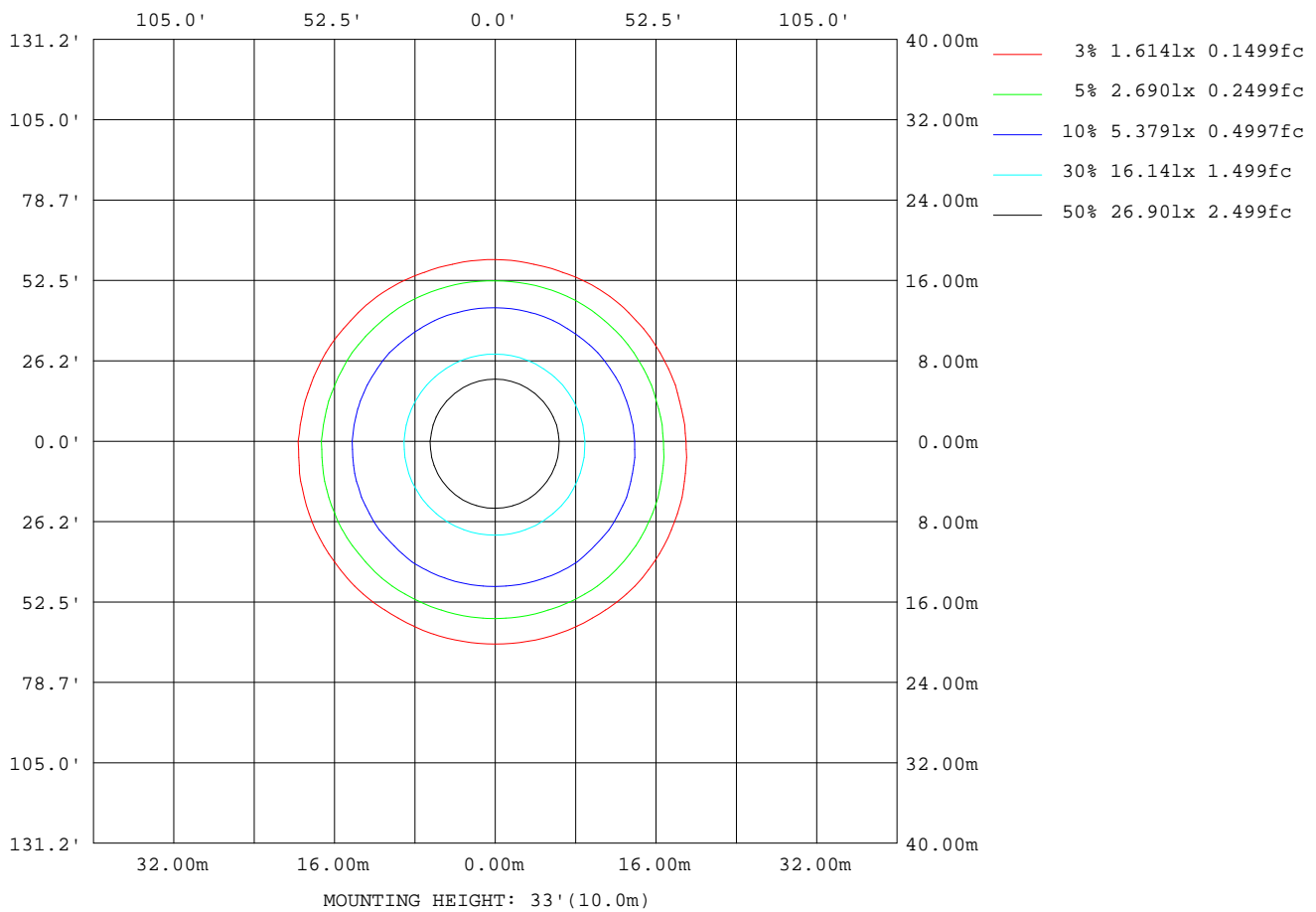
Humidity:65.0%

Test Distance:11.710m [K=1.0000]

Remarks:

ISOLUX DIAGRAM

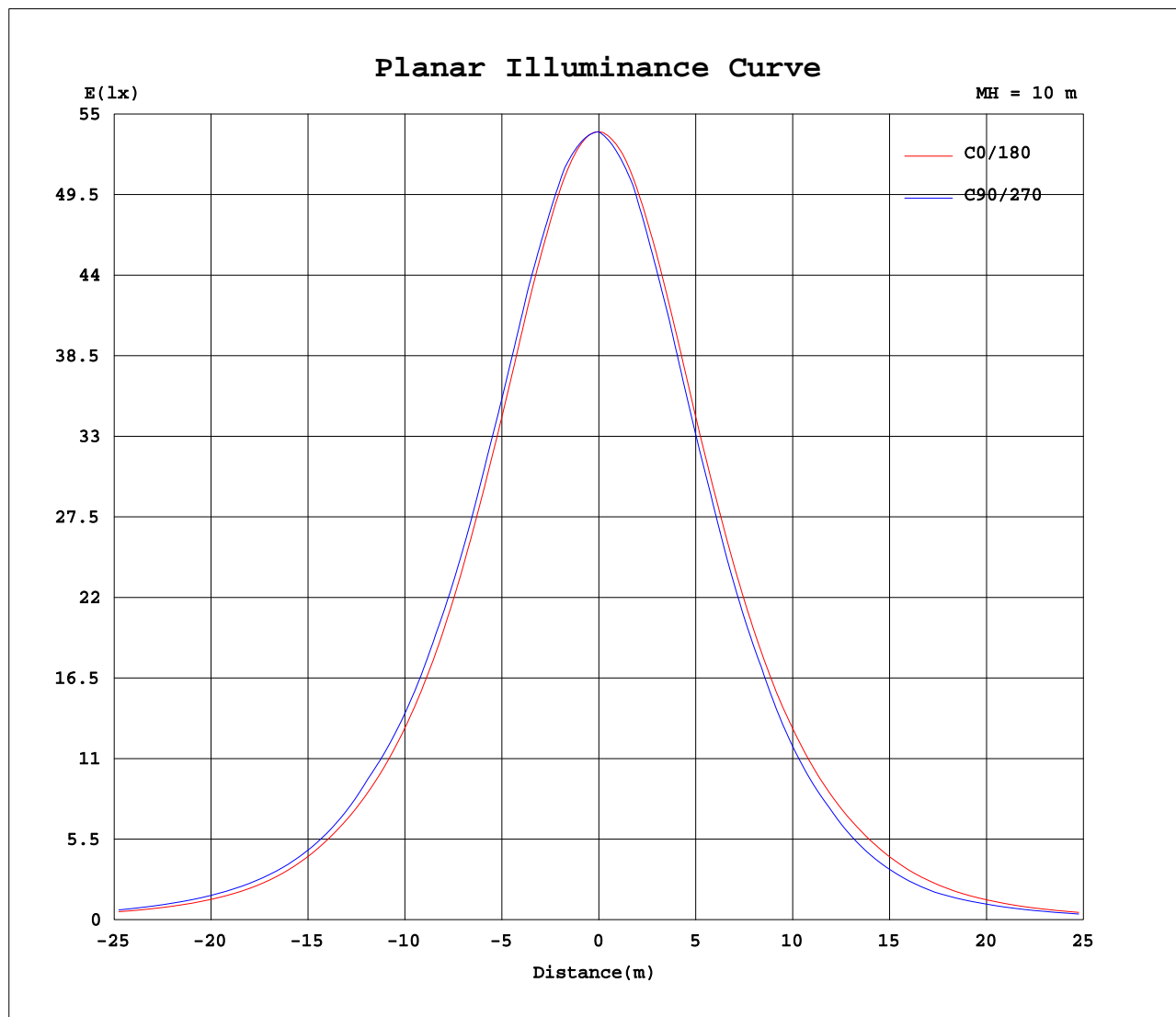
Test:U:220.2V I:0.4523A P:98.43W PF:0.9886 Lamp Flux:14142.7x1 lm		
NAME: EV100B1204	TYPE:	WEIGHT:4.27KG
SPEC.:	DIM.: 368*333*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:272*170mm	PROTECTION ANGLE:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-6-7

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

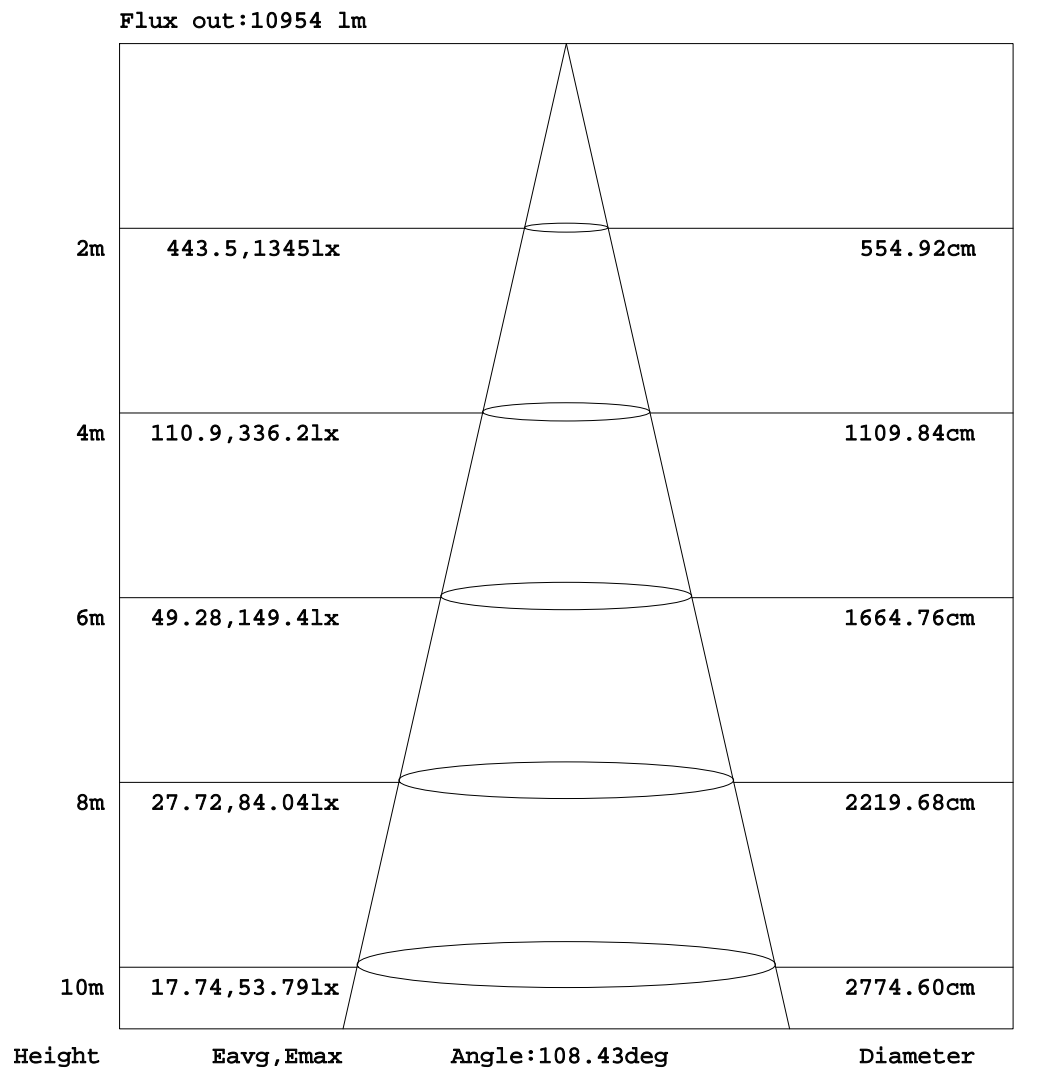


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-6-7

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:220.2V I:0.4523A P:98.43W PF:0.9886 Lamp Flux:14142.7x1 lm		
NAME: EV100B1204	TYPE:	WEIGHT:4.27KG
SPEC.:	DIM.: 368*333*74mm	SERIAL No.:1
MFR.: Integrattech	SUR.:272*170mm	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:2022-6-7

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:220.2V I:0.4523A P:98.43W PF:0.9886 Lamp Flux:14142.7x1 lm																	
NAME: EV100B1204									TYPE:						WEIGHT:4.27KG		
SPEC.:									DIM.: 368*333*74mm						SERIAL No.:1		
MFR.: Integratech									SUR.:272*170mm						PROTECTION ANGLE:		

Table--1

UNIT: cd

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	24.6	27.6	29.7	44.4	68.7	94.2	121	147	175	201	226	248	267	283	296	306	315	320	324
-75	22.7	26.1	34.7	58.9	92.8	132	176	226	280	336	392	444	494	541	582	617	647	668	679
-70	23.2	27.1	56.5	99.0	147	202	268	347	430	516	601	681	758	831	898	953	997	1025	1040
-65	20.9	25.0	54.1	106	169	249	349	469	600	743	891	1038	1179	1307	1421	1520	1592	1643	1668
-60	21.6	34.2	92.1	161	249	371	520	693	883	1087	1299	1510	1705	1876	2027	2151	2234	2287	2300
-55	19.3	24.9	79.2	156	261	408	596	826	1083	1364	1649	1935	2204	2426	2611	2759	2862	2929	2960
-50	20.2	44.9	125	227	382	588	845	1155	1501	1870	2227	2582	2891	3134	3323	3462	3549	3606	3616
-45	18.1	27.1	104	210	371	605	905	1275	1685	2119	2531	2891	3196	3439	3638	3784	3890	3956	3985
-40	19.3	58.0	160	307	535	844	1247	1712	2211	2713	3134	3455	3711	3913	4084	4203	4288	4338	4351
-35	17.1	30.0	125	265	485	806	1233	1742	2286	2805	3236	3577	3856	4078	4263	4405	4511	4577	4602
-30	18.4	67.0	186	378	670	1080	1611	2205	2798	3270	3629	3932	4195	4393	4566	4704	4796	4847	4854
-25	16.3	32.9	143	312	587	989	1530	2148	2764	3266	3656	3981	4255	4485	4676	4824	4930	5001	5023
-20	17.4	77.5	212	437	792	1302	1927	2601	3169	3594	3958	4262	4510	4733	4913	5040	5131	5183	5195
-15	15.3	34.6	153	344	655	1121	1736	2422	3040	3506	3891	4221	4496	4736	4929	5080	5182	5257	5284
-10	16.0	80.5	221	468	853	1407	2078	2769	3307	3740	4106	4419	4681	4896	5083	5210	5298	5367	5368
-5	14.1	35.2	157	358	685	1182	1828	2537	3136	3594	3977	4306	4589	4822	5017	5171	5277	5349	5376
0	14.7	82.4	226	477	874	1455	2138	2826	3347	3768	4129	4436	4691	4911	5090	5223	5321	5363	5379
5	12.9	33.8	154	351	672	1158	1796	2493	3088	3545	3924	4250	4525	4760	4956	5104	5214	5284	5310
10	13.5	76.2	211	448	814	1352	2006	2682	3217	3637	4000	4291	4556	4780	4950	5076	5182	5227	5249
15	12.1	30.2	143	323	613	1048	1633	2286	2887	3349	3725	4047	4317	4550	4739	4881	4992	5063	5089
20	12.7	70.0	193	400	722	1186	1771	2402	2954	3376	3723	4027	4274	4484	4656	4777	4873	4929	4929
25	11.6	25.0	126	278	522	878	1366	1935	2507	2992	3373	3691	3957	4177	4361	4502	4609	4679	4702
30	12.1	56.8	162	330	581	932	1400	1927	2472	2931	3288	3585	3824	4027	4193	4318	4408	4460	4471
35	11.3	18.9	105	225	411	679	1040	1483	1961	2429	2827	3159	3423	3641	3821	3955	4056	4121	4150
40	11.7	43.6	131	254	436	691	1017	1410	1836	2260	2649	2966	3208	3409	3568	3684	3765	3811	3827
45	10.9	14.5	80.6	169	297	483	718	1012	1346	1702	2049	2361	2620	2839	3018	3155	3260	3319	3348
50	11.2	24.8	94.2	176	294	449	642	871	1139	1424	1707	1976	2217	2421	2588	2720	2813	2860	2867
55	10.6	12.0	53.0	116	195	302	438	602	790	996	1207	1414	1607	1780	1921	2038	2124	2175	2192
60	10.8	14.1	59.9	113	177	258	358	472	603	737	872	1010	1142	1258	1355	1431	1485	1510	1516
65	10.2	11.0	26.5	66.5	112	166	231	306	390	481	574	666	754	837	906	964	1007	1036	1046
70	10.3	10.8	23.0	54.8	88.1	124	162	205	250	301	349	395	434	472	506	535	555	569	575
75	9.89	10.2	12.3	26.4	43.9	66.5	92.3	120	150	181	213	242	269	293	314	332	346	356	361
80	9.84	9.98	10.8	11.2	16.4	29.3	44.3	59.3	73.8	87.2	100.0	112	122	131	137	142	145	147	150
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:2022-6-7

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:220.2V I:0.4523A P:98.43W PF:0.9886 Lamp Flux:14142.7x1 lm																		
NAME: EV100B1204									TYPE:					WEIGHT:4.27KG				
SPEC.:									DIM.: 368*333*74mm					SERIAL No.:1				
MFR.: Integratech									SUR.:272*170mm					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	324	321	315	305	290	269	243	217	189	162	136	112	86.5	62.2	43.2	33.4	31.9	26.2	
-75	683	677	663	637	602	559	508	450	389	326	267	212	161	117	81.4	51.9	34.0	28.6	
-70	1040	1023	991	944	883	809	726	636	536	442	351	270	198	142	94.1	52.4	31.9	25.7	
-65	1666	1640	1591	1518	1422	1307	1177	1031	880	725	578	442	323	225	147	87.6	39.9	28.0	
-60	2280	2223	2137	2024	1874	1705	1511	1307	1095	888	692	515	364	240	149	79.9	32.1	25.0	
-55	2950	2906	2826	2708	2558	2360	2120	1850	1568	1285	1015	766	547	364	226	128	51.5	26.9	
-50	3600	3529	3427	3284	3096	2834	2514	2172	1812	1462	1131	831	574	367	215	112	35.1	23.7	
-45	3973	3927	3841	3715	3547	3338	3062	2739	2358	1932	1515	1134	799	521	315	166	64.0	25.5	
-40	4325	4263	4158	4018	3852	3632	3355	3022	2566	2061	1585	1154	785	494	281	136	36.6	22.6	
-35	4592	4546	4459	4337	4165	3973	3722	3419	3041	2569	2027	1509	1057	682	402	205	77.0	23.8	
-30	4834	4771	4668	4524	4336	4126	3853	3542	3154	2648	2041	1481	1005	623	347	162	40.7	21.1	
-25	5017	4966	4876	4745	4570	4373	4119	3814	3465	3033	2458	1831	1277	818	474	239	88.2	21.9	
-20	5169	5099	4989	4835	4646	4438	4145	3824	3458	2989	2364	1711	1156	709	391	176	40.1	19.6	
-15	5274	5222	5125	4988	4819	4609	4349	4045	3695	3278	2736	2061	1432	916	527	261	96.7	19.8	
-10	5353	5273	5161	5017	4826	4592	4312	4001	3624	3171	2575	1873	1264	777	422	191	43.4	17.8	
-5	5366	5318	5216	5083	4906	4692	4436	4134	3781	3365	2839	2155	1497	958	549	268	100	17.7	
0	5357	5289	5171	5019	4819	4601	4324	4000	3623	3171	2576	1874	1265	773	422	186	39.9	15.9	
5	5306	5253	5156	5027	4843	4639	4388	4078	3726	3312	2780	2103	1464	938	539	263	97.9	15.6	
10	5223	5149	5048	4896	4712	4489	4214	3889	3518	3061	2461	1787	1212	746	407	182	40.3	14.0	
15	5082	5027	4938	4810	4638	4431	4178	3877	3529	3110	2557	1916	1339	862	498	245	90.5	13.8	
20	4913	4837	4739	4594	4410	4179	3914	3600	3231	2754	2139	1554	1058	654	360	161	31.5	12.5	
25	4693	4644	4556	4432	4269	4062	3818	3531	3176	2728	2177	1624	1142	740	431	215	78.8	12.4	
30	4450	4384	4285	4148	3976	3756	3507	3197	2797	2274	1755	1283	882	551	309	143	26.2	11.3	
35	4140	4092	4006	3890	3731	3530	3287	2978	2597	2158	1699	1276	905	593	351	177	62.4	11.2	
40	3805	3740	3643	3511	3338	3120	2835	2476	2066	1664	1289	954	659	420	237	113	17.9	10.3	
45	3337	3288	3200	3074	2910	2703	2460	2166	1840	1508	1196	909	649	432	261	137	42.5	10.3	
50	2840	2775	2666	2516	2326	2103	1857	1602	1350	1097	863	646	452	296	172	86.6	14.1	9.59	
55	2182	2140	2070	1965	1834	1675	1499	1310	1120	931	749	578	418	283	177	97.1	25.8	9.64	
60	1498	1455	1396	1313	1220	1110	990	867	739	615	492	376	267	178	112	50.4	10.6	9.10	
65	1042	1021	990	942	884	817	741	658	571	483	394	309	230	162	105	55.9	14.6	9.26	
70	574	565	549	524	498	464	424	382	332	280	227	178	135	96.5	58.1	22.8	9.49	9.02	
75	363	360	354	341	326	307	285	259	228	196	162	129	97.5	70.4	44.8	23.1	10.2	9.20	
80	151	151	149	146	141	133	124	113	99.8	85.3	69.9	53.4	36.9	22.9	12.6	9.73	9.38	9.15	
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:2022-6-7

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: