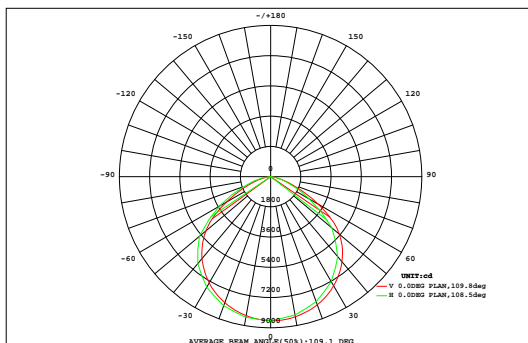


## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.1V I:0.6870A P:149.9W PF:0.9914 Lamp Flux:22530x1 lm		
NAME: EV150B1205	TYPE:	WEIGHT:5.36KG
SPEC.:	DIM.: 418*333*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:272*121mm	PROTECTION ANGLE:



DATA OF LAMP		Eff:150.28lm/W	
MODEL	EV150B1205	Imax(cd)	8578
NOMINAL POWER(W)	150	AVAILABILITY(%)	97.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	22029
NOMINAL FLUX(lm)	22530	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	22530
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	0.05	0.31	1.26	3.37	6.68	10.7	14.6	17.8	19.7	20.1	19.0	16.3	12.7	8.53	4.77	2.03	0.53	0.06	158	31.3
70	0.06	0.86	3.52	8.90	17.4	27.8	38.3	47.2	52.4	53.1	49.3	41.5	31.3	20.5	11.3	4.88	1.33	0.10	410	358
60	0.11	1.63	6.67	17.6	34.8	56.3	78.6	97.0	108	110	102	85.9	63.9	41.0	21.7	8.79	2.29	0.18	836	814
50	0.18	2.49	10.7	28.7	57.2	92.4	126	152	166	169	158	136	104	68.0	35.4	13.8	3.40	0.27	1323	1309
40	0.25	3.44	15.2	41.1	81.6	126	162	188	203	205	194	171	138	94.5	50.4	19.2	4.54	0.36	1697	1688
30	0.31	4.31	19.3	52.7	101	146	184	212	228	230	218	193	158	114	64.4	24.6	5.60	0.43	1957	1949
20	0.36	5.05	22.9	62.2	113	159	200	229	245	247	234	208	170	125	74.2	28.7	6.38	0.48	2132	2125
10	0.39	5.47	24.9	67.3	119	167	208	238	255	257	243	216	178	131	79.8	31.4	6.91	0.52	2229	2223
0	0.41	5.64	25.6	68.5	121	169	210	240	257	259	245	218	179	133	80.7	31.7	6.92	0.53	2251	2244
-10	0.40	5.39	24.2	65.0	117	164	205	235	251	253	240	213	175	129	77.7	30.1	6.63	0.51	2192	2185
-20	0.38	4.93	21.7	58.0	108	154	193	222	238	240	227	201	164	120	69.7	26.2	5.85	0.45	2054	2047
-30	0.33	4.14	17.7	47.2	91.5	136	174	201	216	219	206	182	148	106	57.4	21.2	4.94	0.39	1833	1824
-40	0.28	3.27	13.5	35.1	69.1	109	145	171	185	187	177	155	123	81.9	41.7	15.5	3.79	0.32	1516	1505
-50	0.22	2.35	9.11	23.1	44.7	72.6	102	125	138	140	132	113	84.8	52.9	26.8	10.5	2.71	0.25	1080	1062
-60	0.17	1.55	5.53	13.4	25.0	39.3	54.2	67.5	76.0	77.9	72.5	60.3	44.1	27.6	14.6	6.07	1.72	0.18	588	554
-70	0.13	0.87	2.79	6.31	11.3	16.9	22.3	26.8	29.5	29.8	27.6	23.1	17.3	11.6	6.57	2.98	0.91	0.14	237	111
-80	0.06	0.25	0.76	1.49	2.32	3.16	3.80	4.11	4.11	3.91	3.62	3.18	2.55	1.80	1.08	0.49	0.15	0.06	36.9	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	4.10	51.9	225	600	1120	1650	2119	2473	2672	2701	2549	2237	1794	1267	718	278	64.6	5.23	22530	---
Φ a	0.00	12.7	187	568	1088	1620	2089	2445	2648	2677	2525	2209	1762	1238	688	246	25.2	0.00	---	22029

one-half-peak spread: U:56.3,D:52.6 , L:56.4,R:53.7

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:220.1V I:0.6870A P:149.9W PF:0.9914 Lamp Flux:22530x1 lm		
NAME: EV150B1205	TYPE:	WEIGHT:5.36KG
SPEC.:	DIM.: 418*333*74mm	SERIAL No.:1
MFR.: Integrattech	SUR.:272*121mm	PROTECTION ANGLE:

Conical surface Flux(90deg):

13333 lm

%lum = 59.3%

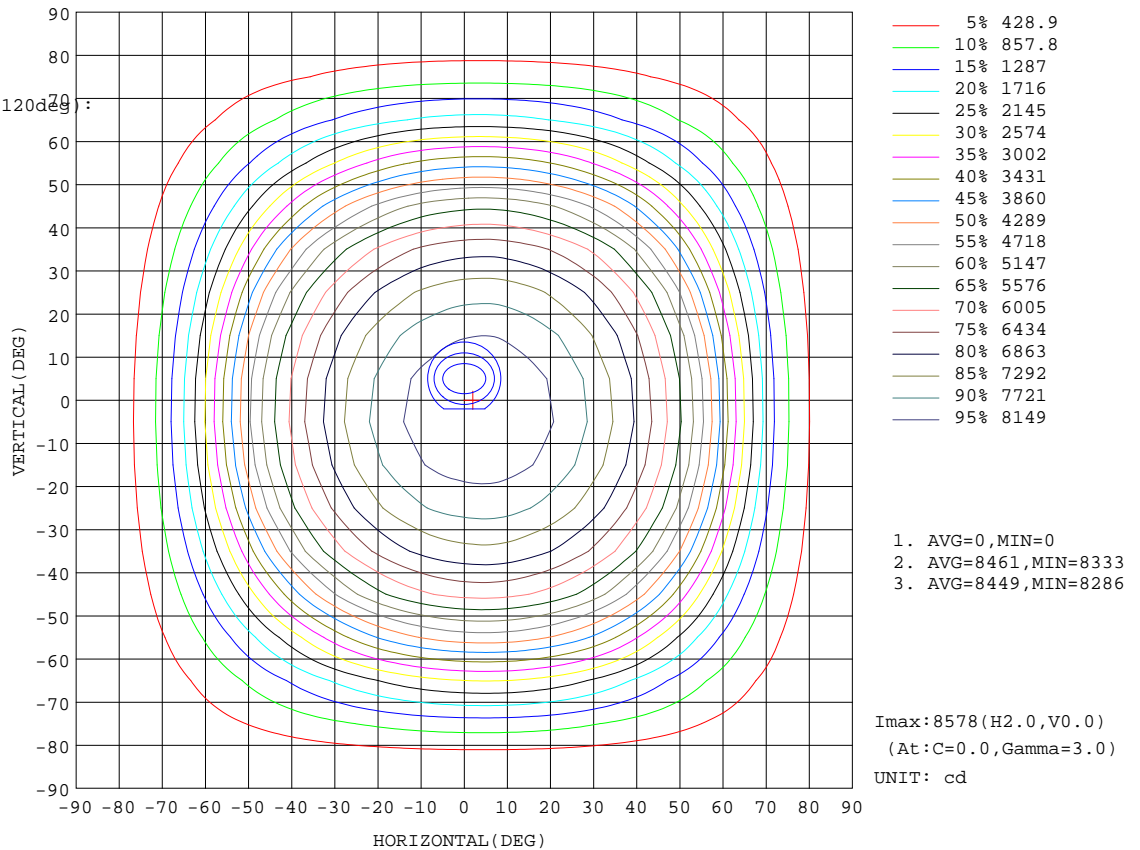
%lamp = 59.2%

Conical surface Flux(120deg):

19294 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

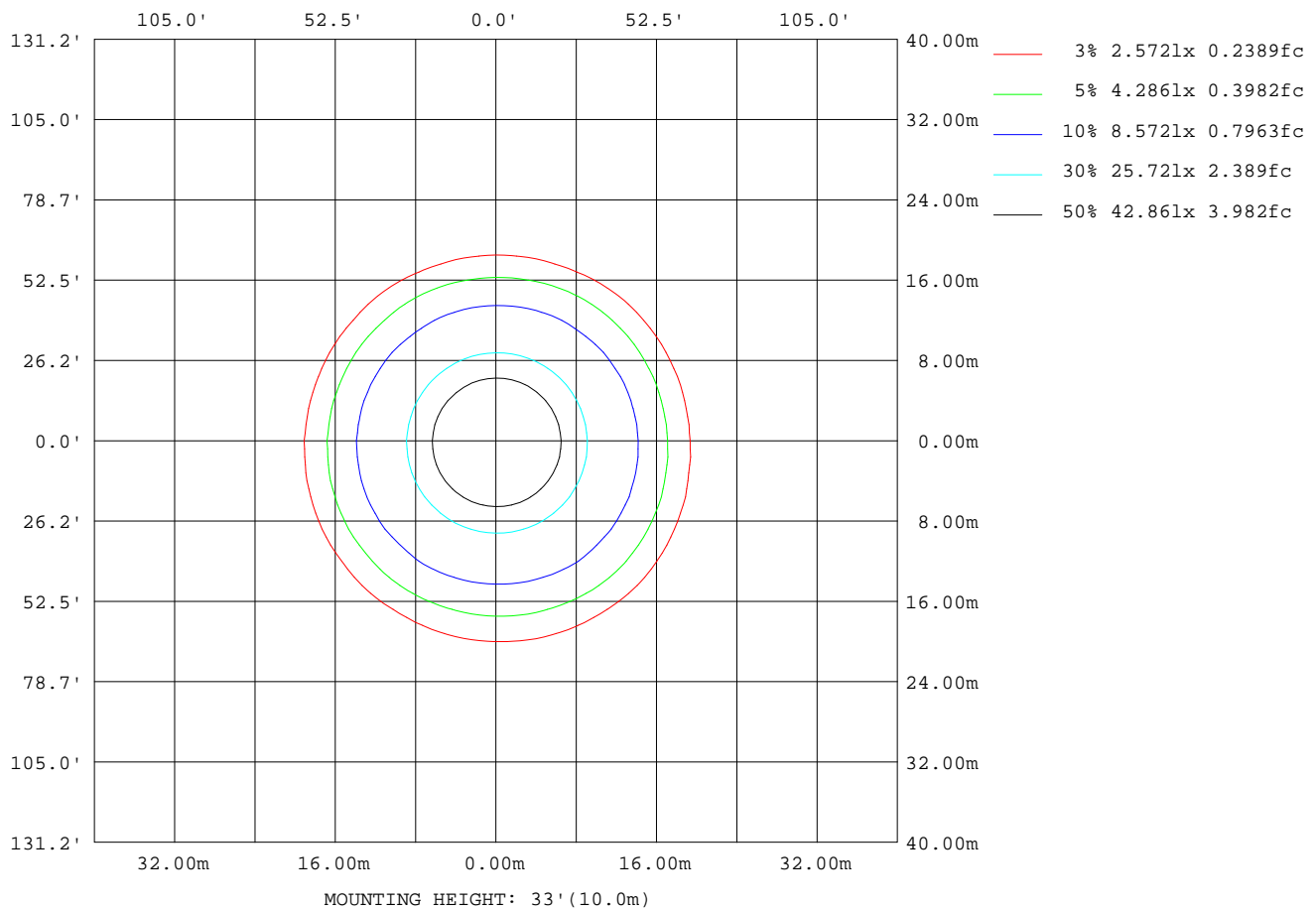
Humidity:65.0%

Test Distance:11.710m [K=1.0248]

Remarks:

### ISOLUX DIAGRAM

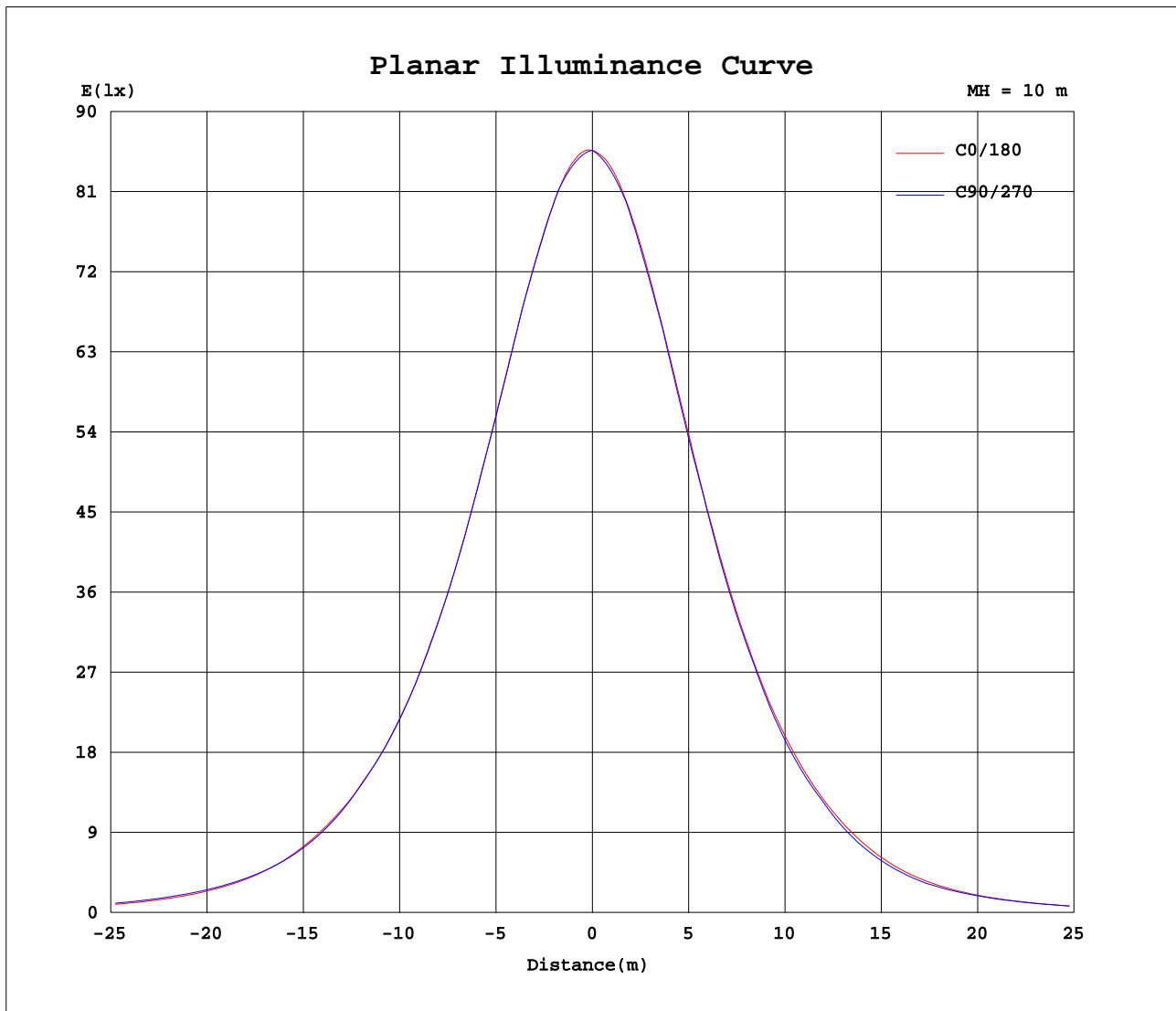
Test:U:220.1V I:0.6870A P:149.9W PF:0.9914 Lamp Flux:22530x1 lm		
NAME: EV150B1205	TYPE:	WEIGHT:5.36KG
SPEC.:	DIM.: 418*333*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:272*121mm	PROTECTION ANGLE:



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=1.0248]  
Remarks:

## Planar Illuminance Curve

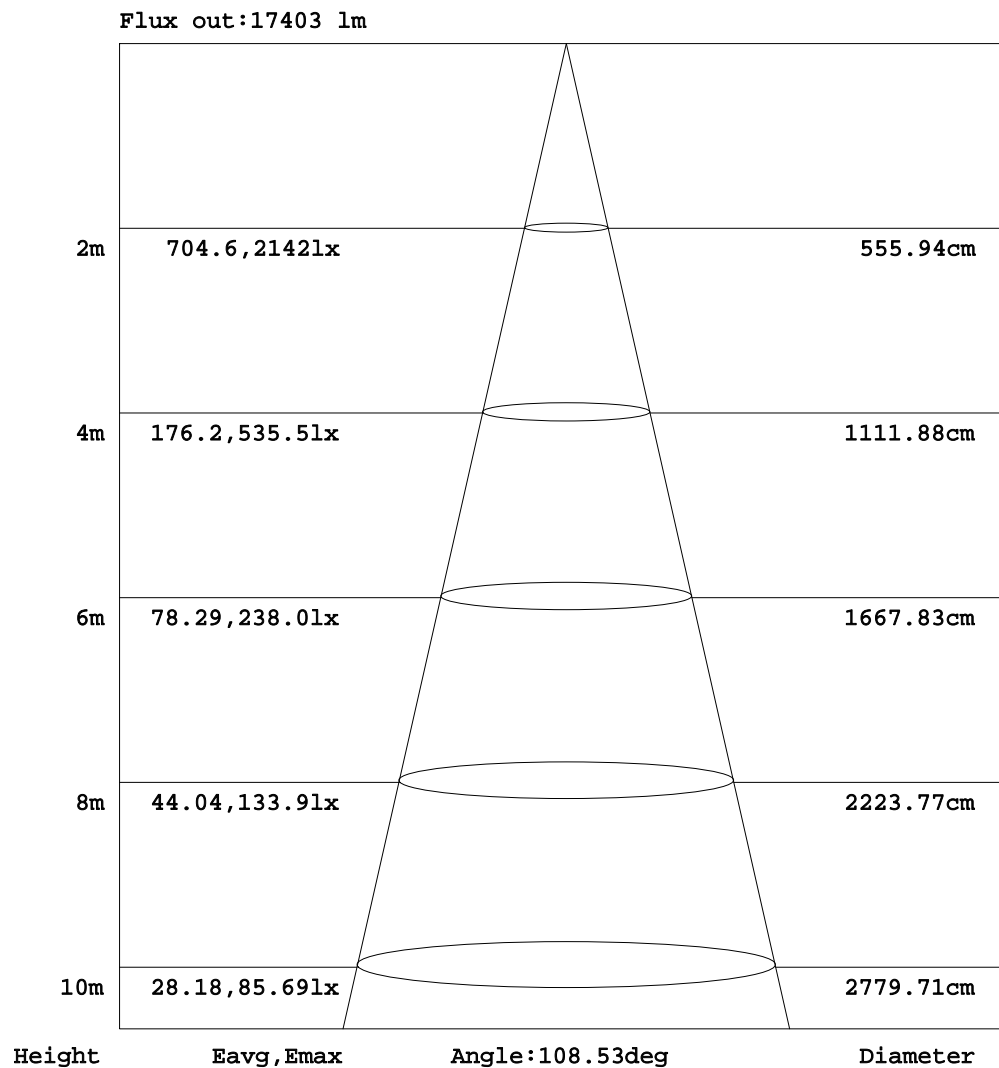


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-6-9

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:220.1V I:0.6870A P:149.9W PF:0.9914 Lamp Flux:22530x1 lm		
NAME: EV150B1205	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=1.0248]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.6870A P:149.9W PF:0.9914 Lamp Flux:22530x1 lm																	
NAME: EV150B1205									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	40.5	45.2	46.9	69.8	105	145	188	231	276	319	364	405	440	471	497	515	528	534	539
-75	36.4	43.2	53.6	91.0	142	202	273	355	442	530	619	705	786	863	928	985	1032	1065	1082
-70	38.1	44.5	84.8	152	227	312	419	543	677	812	947	1072	1192	1306	1409	1496	1565	1611	1634
-65	33.7	41.4	80.3	163	259	383	539	718	919	1128	1341	1557	1768	1963	2145	2298	2426	2516	2571
-60	35.5	53.2	138	246	384	571	796	1049	1326	1613	1912	2213	2503	2769	3011	3212	3366	3474	3532
-55	31.2	40.9	116	239	405	623	903	1230	1591	1982	2385	2803	3203	3568	3881	4119	4308	4441	4518
-50	33.0	65.8	189	352	586	887	1260	1692	2163	2666	3187	3721	4213	4630	4957	5196	5368	5486	5536
-45	29.2	42.8	154	323	575	909	1339	1843	2408	3024	3647	4222	4708	5132	5471	5731	5920	6055	6132
-40	31.1	82.5	242	474	809	1253	1805	2432	3135	3883	4583	5127	5569	5918	6208	6436	6597	6700	6754
-35	27.6	45.5	188	409	740	1197	1787	2474	3257	4060	4765	5347	5810	6205	6521	6771	6958	7089	7163
-30	29.5	94.9	287	582	1003	1583	2295	3126	4034	4827	5444	5956	6390	6754	7055	7264	7442	7552	7601
-25	26.2	48.3	216	482	885	1456	2185	3045	3989	4831	5492	6038	6503	6902	7228	7480	7675	7809	7874
-20	27.8	112	325	674	1180	1881	2731	3719	4663	5396	5996	6506	6954	7325	7620	7857	8035	8131	8178
-15	24.6	50.1	233	530	984	1638	2466	3457	4460	5262	5902	6454	6924	7327	7663	7926	8122	8259	8326
-10	25.6	119	343	715	1266	2019	2952	4015	4936	5663	6281	6793	7237	7616	7919	8165	8330	8451	8503
-5	22.6	51.9	238	553	1029	1723	2601	3652	4655	5438	6079	6635	7101	7511	7844	8106	8305	8448	8520
0	23.3	121	346	732	1298	2088	3051	4131	5034	5745	6365	6868	7311	7684	7985	8223	8401	8519	8572
5	20.6	50.7	231	542	1012	1695	2562	3596	4601	5387	6025	6570	7038	7448	7773	8034	8235	8374	8448
10	21.4	111	325	686	1218	1959	2870	3916	4839	5563	6148	6665	7110	7483	7784	8023	8184	8303	8360
15	18.9	44.9	214	499	932	1554	2351	3301	4292	5099	5731	6270	6736	7144	7466	7713	7913	8046	8126
20	20.2	101	294	623	1092	1752	2556	3498	4436	5176	5761	6260	6705	7080	7362	7582	7747	7873	7918
25	17.7	37.2	188	433	803	1328	2008	2811	3704	4532	5194	5736	6193	6584	6901	7144	7345	7472	7552
30	19.2	81.0	244	511	892	1415	2071	2826	3658	4463	5093	5598	6010	6362	6653	6885	7053	7153	7209
35	17.2	28.6	155	347	642	1044	1574	2197	2901	3642	4319	4897	5365	5746	6058	6304	6499	6619	6693
40	18.3	61.4	195	395	684	1069	1555	2111	2729	3388	4042	4606	5040	5399	5677	5890	6059	6154	6209
45	16.8	22.2	116	256	469	752	1120	1559	2050	2580	3124	3647	4098	4485	4805	5067	5262	5391	5466
50	17.6	34.3	137	269	463	707	1017	1384	1782	2207	2645	3075	3474	3843	4159	4407	4587	4698	4764
55	16.2	18.7	73.3	171	303	478	700	969	1271	1592	1921	2256	2576	2871	3132	3352	3514	3624	3688
60	16.8	20.6	83.9	169	273	413	585	785	1007	1241	1471	1703	1921	2119	2292	2433	2543	2609	2640
65	15.6	17.2	36.0	94.9	168	260	370	505	658	820	987	1150	1305	1448	1574	1683	1768	1823	1854
70	15.9	17.0	29.5	76.5	132	191	258	343	437	534	632	726	807	882	951	1005	1045	1068	1077
75	15.1	16.0	17.9	36.6	63.9	99.2	142	193	253	315	378	438	494	545	589	626	655	674	684
80	15.0	15.6	16.7	17.2	21.8	39.6	63.6	90.1	117	145	172	198	222	244	260	273	281	289	295
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:220.1V I:0.6870A P:149.9W PF:0.9914 Lamp Flux:22530x1 lm																		
NAME: EV150B1205									TYPE:					WEIGHT:5.36KG				
SPEC.:									DIM.: 418*333*74mm					SERIAL No.:1				
MFR.: Integratech									SUR.:272*121mm					PROTECTION ANGLE:				

Table--2

UNIT: cd

H(°)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
V(°)																			
-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	535	527	514	497	473	440	403	362	317	271	225	179	136	96.1	64.5	53.1	51.5	42.6	
-75	1087	1078	1052	1012	954	881	799	712	618	523	430	339	259	188	127	78.0	53.4	46.5	
-70	1637	1612	1561	1483	1382	1260	1127	989	844	699	555	432	323	228	146	75.8	51.4	41.7	
-65	2590	2572	2510	2407	2266	2087	1876	1643	1392	1146	914	701	515	361	235	132	59.5	45.6	
-60	3536	3498	3384	3228	3015	2754	2442	2098	1741	1402	1093	814	575	388	237	117	50.8	40.5	
-55	4542	4511	4420	4275	4070	3796	3443	3022	2559	2088	1631	1218	866	582	362	198	74.1	43.8	
-50	5536	5471	5351	5173	4923	4573	4118	3587	2998	2402	1822	1320	911	583	345	167	53.4	38.4	
-45	6153	6107	6004	5852	5630	5337	4953	4475	3894	3216	2511	1846	1276	833	501	266	91.3	41.4	
-40	6751	6674	6550	6373	6126	5816	5424	4931	4262	3462	2647	1886	1257	788	449	209	55.7	36.5	
-35	7190	7146	7026	6866	6639	6359	6002	5557	4992	4278	3411	2525	1724	1096	643	330	110	38.6	
-30	7608	7540	7384	7200	6945	6632	6234	5776	5187	4423	3459	2490	1637	999	557	258	60.4	34.1	
-25	7899	7853	7731	7568	7326	7031	6665	6222	5688	5030	4148	3115	2130	1328	763	382	129	35.6	
-20	8174	8084	7962	7760	7486	7153	6744	6279	5699	4997	4022	2924	1921	1147	624	282	59.7	31.7	
-15	8344	8293	8176	8003	7758	7443	7072	6630	6093	5446	4619	3523	2430	1504	851	419	147	32.3	
-10	8498	8422	8268	8062	7792	7462	7058	6573	5992	5310	4377	3225	2138	1270	686	308	65.8	28.9	
-5	8540	8486	8360	8181	7936	7622	7246	6799	6260	5617	4814	3702	2569	1588	890	435	156	28.7	
0	8558	8466	8318	8120	7845	7501	7087	6602	6039	5339	4417	3253	2154	1274	681	304	63.2	25.8	
5	8471	8413	8293	8116	7864	7560	7190	6738	6192	5563	4748	3638	2527	1564	879	428	153	25.3	
10	8364	8268	8136	7933	7661	7327	6943	6459	5873	5192	4237	3110	2069	1235	667	297	66.4	22.7	
15	8147	8097	7978	7799	7558	7264	6903	6456	5917	5282	4413	3344	2314	1443	817	400	142	22.5	
20	7916	7841	7684	7493	7242	6919	6525	6056	5482	4753	3747	2728	1805	1086	588	265	53.1	20.2	
25	7572	7525	7412	7241	7015	6738	6370	5931	5400	4710	3810	2851	1964	1241	712	353	124	20.1	
30	7213	7130	7020	6821	6582	6281	5886	5416	4814	3987	3086	2236	1492	921	507	234	44.6	18.1	
35	6715	6673	6569	6414	6201	5926	5560	5090	4500	3787	2996	2230	1542	992	581	294	98.9	18.2	
40	6211	6142	6015	5851	5610	5306	4888	4324	3651	2949	2266	1641	1113	697	394	183	29.7	16.5	
45	5491	5447	5342	5179	4953	4649	4274	3809	3257	2675	2104	1570	1103	723	432	226	67.9	16.6	
50	4753	4687	4550	4347	4064	3713	3309	2866	2402	1939	1502	1101	768	492	288	136	22.5	15.2	
55	3703	3664	3575	3431	3230	2976	2675	2344	1994	1642	1302	988	711	479	296	155	40.0	15.4	
60	2633	2584	2494	2366	2201	2003	1781	1546	1303	1067	845	639	456	305	182	76.6	16.5	14.4	
65	1858	1833	1783	1708	1603	1480	1336	1177	1011	842	683	532	394	274	172	85.5	21.8	14.7	
70	1072	1048	1016	971	914	845	765	678	580	485	397	312	231	157	89.7	31.3	15.0	14.1	
75	686	678	665	642	608	568	521	468	407	342	281	223	166	114	69.3	34.0	15.7	14.5	
80	298	299	295	288	275	256	235	210	181	151	119	87.3	57.4	33.1	17.9	15.3	14.8	14.4	
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=1.0248]

Remarks: