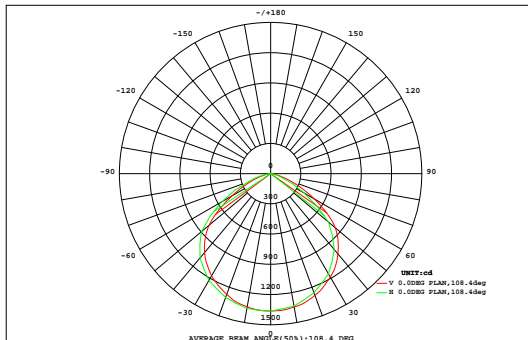


## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.2V I:0.1107A P:23.97W PF:0.9834 Lamp Flux:3528.84x1 lm		
NAME: EV25B1204	TYPE:	WEIGHT:2.09KG
SPEC.:	DIM.: 294*229*69mm	SERIAL No.:1
MFR.: Integratech	SUR.:170*119mm	PROTECTION ANGLE:



DATA OF LAMP		Eff:147.19lm/W	
MODEL	EV25B1204	Imax(cd)	1363
NOMINAL POWER(W)	25	AVAILABILITY(%)	97.6
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	3444
NOMINAL FLUX(lm)	3528.84	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	3529
TEST VOLTAGE(V)	220	θ @50%(H,V)	108,108DEG

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	0.01	0.04	0.15	0.40	0.79	1.20	1.56	1.84	2.01	2.07	2.00	1.77	1.41	0.98	0.54	0.23	0.06	0.01	17.1	0.00
70	0.01	0.10	0.45	1.13	2.13	3.38	4.75	5.94	6.71	6.91	6.48	5.50	4.15	2.70	1.44	0.59	0.15	0.01	52.5	37.2
60	0.01	0.20	0.87	2.31	4.68	7.93	11.5	14.5	16.3	16.6	15.4	12.9	9.53	5.96	3.03	1.14	0.28	0.02	123	119
50	0.02	0.32	1.43	3.97	8.47	14.4	20.0	24.2	26.5	26.7	25.0	21.4	16.2	10.4	5.22	1.90	0.43	0.03	206	204
40	0.03	0.44	2.08	6.01	12.7	20.1	26.0	30.0	32.2	32.4	30.5	26.7	21.4	14.6	7.56	2.76	0.60	0.04	266	264
30	0.04	0.56	2.72	7.98	16.1	23.5	29.5	33.9	36.3	36.5	34.4	30.2	24.5	17.6	9.64	3.60	0.77	0.06	308	307
20	0.04	0.67	3.30	9.56	18.2	25.8	32.0	36.6	39.1	39.3	37.1	32.7	26.6	19.4	11.2	4.23	0.91	0.06	337	336
10	0.05	0.74	3.66	10.5	19.3	27.0	33.4	38.2	40.7	40.9	38.6	34.1	27.9	20.4	12.1	4.61	1.00	0.07	353	352
0	0.05	0.77	3.79	10.7	19.6	27.3	33.7	38.6	41.1	41.2	38.9	34.3	28.1	20.6	12.2	4.68	1.01	0.07	357	356
-10	0.05	0.73	3.61	10.2	19.0	26.6	33.0	37.7	40.3	40.4	38.1	33.7	27.5	20.2	11.7	4.45	0.98	0.07	348	347
-20	0.04	0.66	3.21	9.08	17.5	25.0	31.2	35.8	38.2	38.3	36.2	31.9	25.9	18.7	10.4	3.93	0.86	0.06	327	326
-30	0.04	0.54	2.61	7.37	14.9	22.3	28.2	32.5	34.8	35.1	33.0	29.0	23.4	16.4	8.56	3.22	0.73	0.06	293	291
-40	0.03	0.42	1.95	5.42	11.2	18.0	23.8	27.8	30.0	30.2	28.4	24.7	19.3	12.5	6.30	2.38	0.55	0.05	243	241
-50	0.02	0.29	1.26	3.47	7.09	11.8	16.8	20.4	22.4	22.7	21.0	17.8	13.1	8.01	4.09	1.59	0.40	0.04	172	169
-60	0.02	0.18	0.72	1.88	3.69	5.96	8.32	10.5	11.8	12.1	11.0	9.08	6.69	4.27	2.25	0.90	0.25	0.03	89.6	84.1
-70	0.02	0.09	0.33	0.80	1.46	2.19	2.92	3.51	3.85	3.95	3.76	3.30	2.59	1.77	0.99	0.42	0.13	0.02	32.1	10.6
-80	0.01	0.02	0.07	0.15	0.23	0.29	0.34	0.39	0.42	0.43	0.42	0.39	0.34	0.24	0.15	0.07	0.03	0.01	4.00	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
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL( DEG ) 20 30 40 50 60 70 80 90																				
Φ t	0.49	6.77	32.2	90.9	177	263	337	392	423	426	400	350	279	195	107	40.7	9.13	0.71	3529	---
Φ a	0.00	0.91	26.2	85.6	172	258	331	387	418	421	395	344	274	191	102	35.6	2.95	0.00	---	3444

one-half-peak spread: U:56.6,D:52.2 , L:52.7,R:56.1

NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-6-1

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:0.1107A P:23.97W PF:0.9834 Lamp Flux:3528.84x1 lm		
NAME: EV25B1204	TYPE:	WEIGHT:2.09KG
SPEC.:	DIM.: 294*229*69mm	SERIAL No.:1
MFR.: Integrattech	SUR.:170*119mm	PROTECTION ANGLE:

Conical surface Flux(90deg):

2125.1 lm

%lum = 60.3%

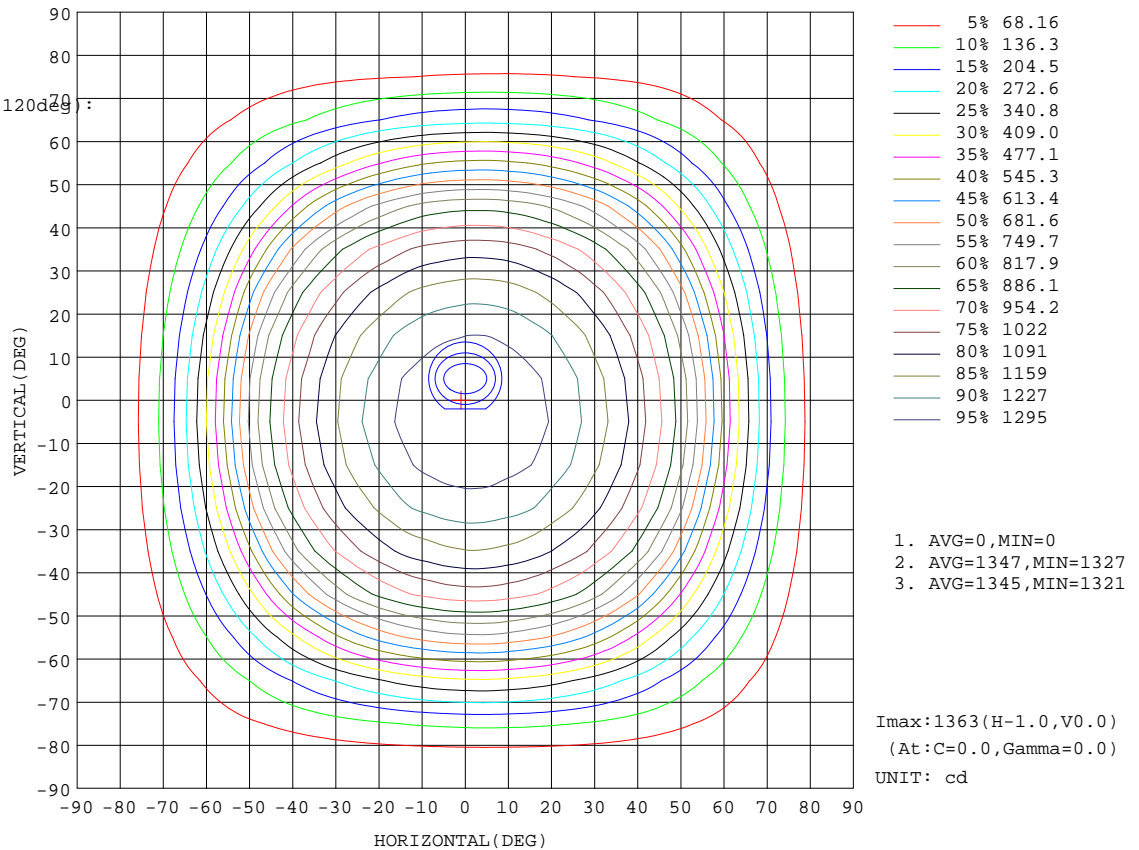
%lamp = 60.2%

Conical surface Flux(120deg):

3063.9 lm

%lum = 86.9%

%lamp = 86.8%



H( $\beta$ ) Range:-90 - 90DEG

H( $\beta$ ) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2022-6-1

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290

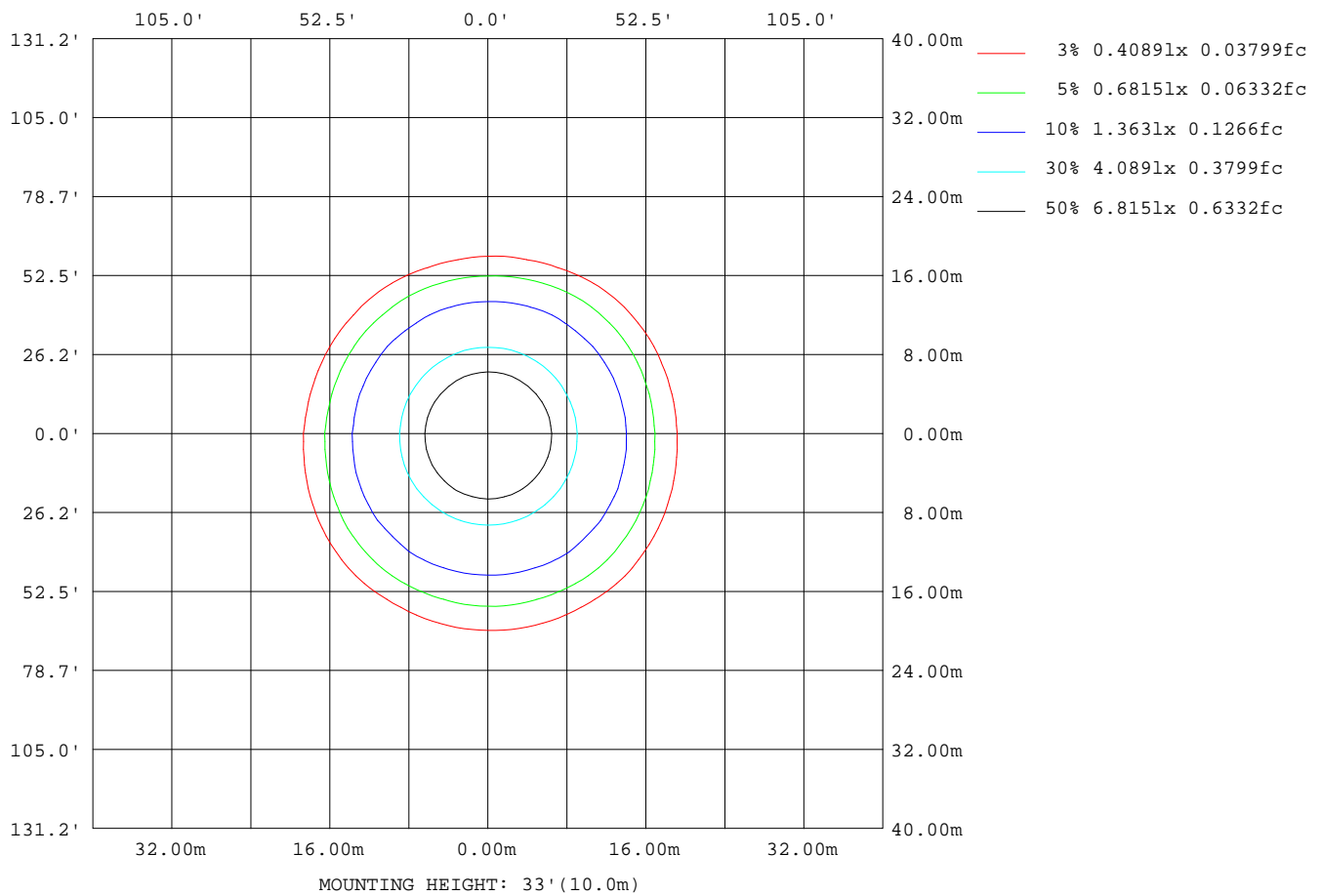
Humidity:65.0%

Test Distance:11.710m [K=1.0000]

Remarks:

ISOLUX DIAGRAM

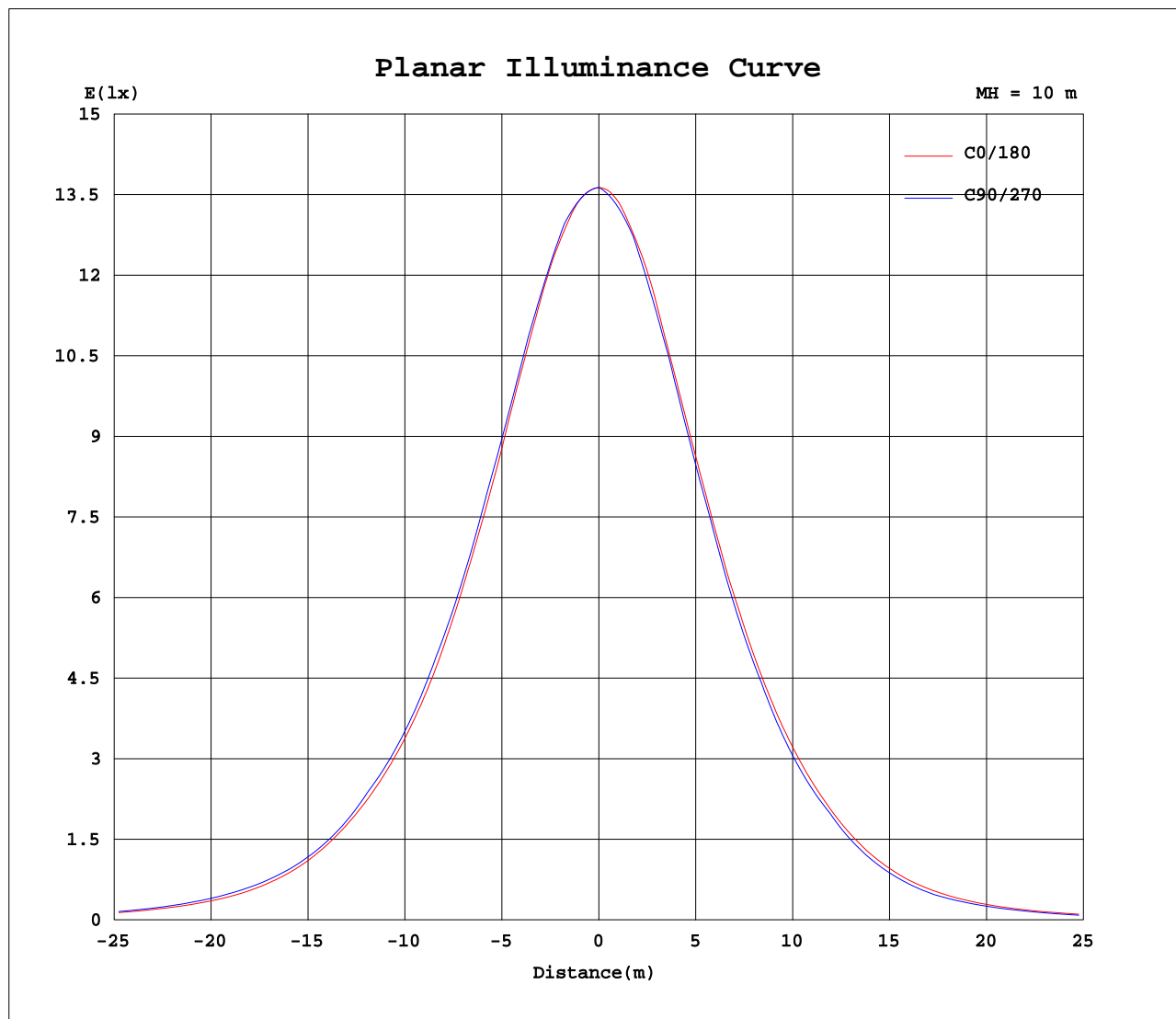
Test:U:220.2V I:0.1107A P:23.97W PF:0.9834 Lamp Flux:3528.84x1 lm		
NAME: EV25B1204	TYPE:	WEIGHT:2.09KG
SPEC.:	DIM.: 294*229*69mm	SERIAL No.:1
MFR.: Integrattech	SUR.:170*119mm	PROTECTION ANGLE:



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-6-1

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

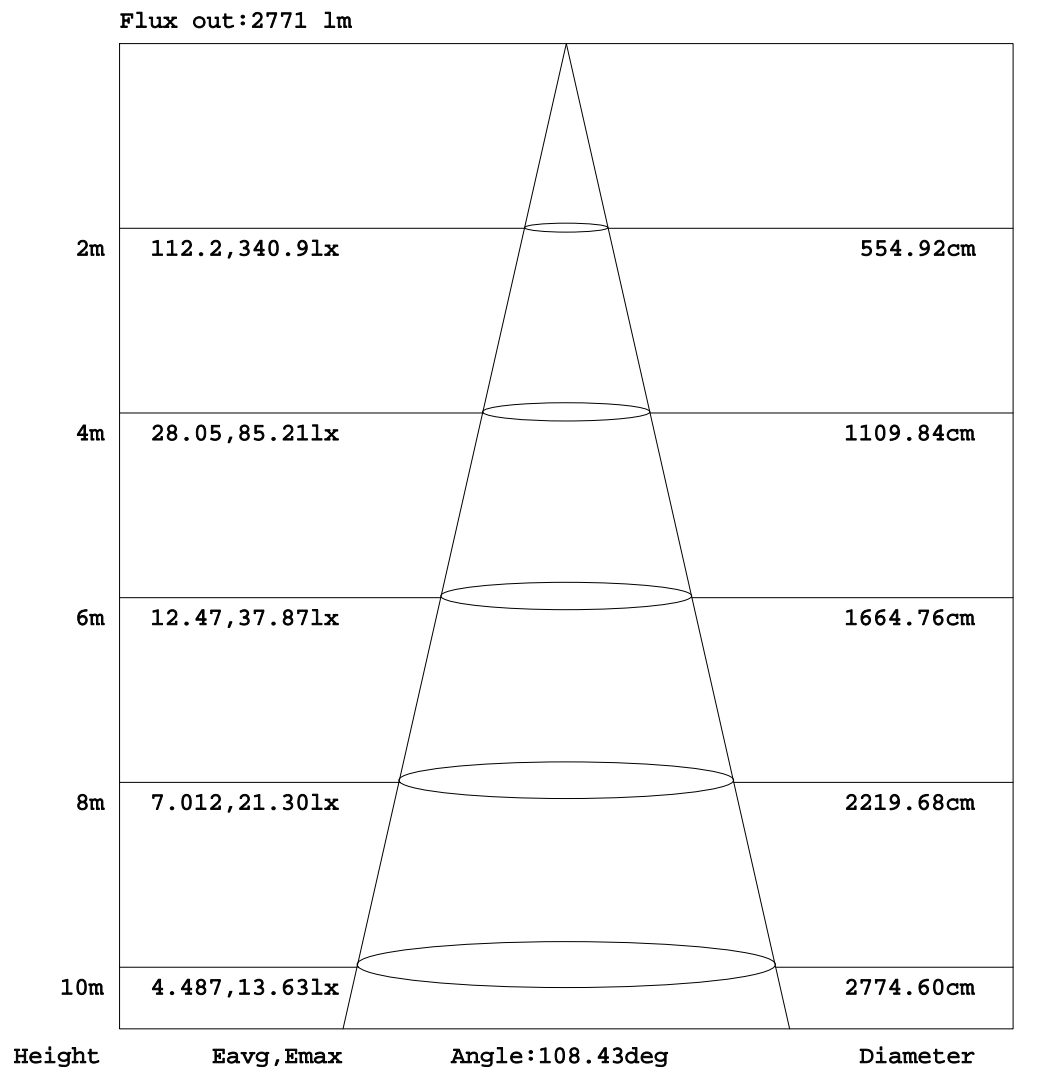


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-6-1

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:0.1107A P:23.97W PF:0.9834 Lamp Flux:3528.84x1 lm		
NAME: EV25B1204	TYPE:	WEIGHT:2.09KG
SPEC.:	DIM.: 294*229*69mm	SERIAL No.:1
MFR.: Integrattech	SUR.:170*119mm	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:2022-6-1

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:0.1107A P:23.97W PF:0.9834 Lamp Flux:3528.84x1 lm		
NAME: EV25B1204	TYPE:	WEIGHT:2.09KG
SPEC.:	DIM.: 294*229*69mm	SERIAL No.:1
MFR.: Integratech	SUR.:170*119mm	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	6.16	7.37	7.13	7.46	10.3	15.3	21.1	27.0	32.8	38.3	43.3	48.0	52.1	55.9	59.3	62.4	65.0	66.8	68.0
-75	5.82	7.27	7.22	10.6	16.7	24.8	34.9	47.0	59.9	72.5	84.8	97.1	109	119	128	137	143	147	150
-70	5.78	7.18	8.03	15.8	26.1	37.9	52.8	72.1	91.9	112	131	151	170	186	201	214	223	229	234
-65	5.40	6.94	9.38	19.6	33.1	51.8	76.1	105	137	171	207	242	275	307	335	359	377	392	399
-60	5.38	6.82	13.9	28.4	46.8	74.4	110	149	195	244	296	346	393	439	479	512	538	558	565
-55	5.00	6.54	14.2	30.8	54.3	90.2	135	189	252	320	392	461	529	589	638	675	701	722	731
-50	5.03	6.84	20.5	41.2	74.1	123	181	253	335	424	515	604	693	760	813	850	874	892	898
-45	4.68	6.27	19.9	42.8	81.2	137	207	292	391	501	611	703	783	849	900	938	966	984	993
-40	4.77	7.83	27.4	56.6	108	177	264	369	488	623	744	835	903	960	1005	1040	1064	1082	1091
-35	4.45	6.28	25.0	55.1	109	183	281	398	531	673	792	884	956	1014	1061	1101	1126	1145	1156
-30	4.57	8.97	32.3	71.0	136	224	342	477	629	775	880	963	1034	1088	1135	1176	1194	1213	1223
-25	4.25	6.60	28.9	66.6	133	224	345	489	652	798	906	992	1063	1122	1169	1212	1237	1255	1264
-20	4.32	10.5	36.9	84.4	162	267	402	565	739	870	970	1051	1119	1175	1222	1262	1288	1302	1307
-15	3.98	6.81	31.5	74.5	149	253	390	553	730	868	973	1058	1126	1190	1236	1277	1307	1324	1332
-10	3.99	10.8	38.6	89.9	172	289	438	613	784	910	1011	1094	1161	1225	1268	1305	1333	1351	1358
-5	3.64	6.81	32.5	78.0	155	265	410	584	760	893	998	1083	1153	1215	1263	1306	1333	1353	1360
0	3.64	10.9	39.6	92.7	176	294	447	628	797	921	1021	1101	1172	1227	1274	1319	1341	1360	1363
5	3.33	6.37	31.7	75.9	151	257	400	571	747	881	985	1071	1142	1202	1250	1293	1320	1339	1347
10	3.34	9.66	36.8	85.0	162	272	418	586	758	886	987	1070	1139	1197	1244	1281	1307	1323	1334
15	3.09	5.58	29.2	68.7	137	232	361	517	690	831	934	1021	1092	1152	1198	1239	1268	1286	1294
20	3.13	8.54	33.5	75.6	144	238	363	516	685	820	920	1005	1071	1126	1170	1210	1237	1252	1257
25	2.94	4.72	25.4	58.5	115	194	300	434	586	731	843	931	1000	1060	1107	1146	1175	1191	1201
30	2.94	6.40	27.9	60.4	115	187	286	410	550	691	805	888	955	1015	1059	1096	1120	1135	1146
35	2.84	3.85	20.5	46.5	89.3	149	227	328	447	573	692	789	865	925	972	1008	1038	1053	1063
40	2.84	4.70	22.2	46.4	85.8	138	205	292	394	505	620	724	802	858	900	934	963	975	981
45	2.73	3.32	14.8	34.5	63.2	104	156	221	299	388	483	574	651	714	765	806	839	856	865
50	2.74	3.41	14.6	32.3	55.2	89.8	130	179	238	309	383	455	527	594	648	691	724	743	750
55	2.64	3.03	8.53	22.6	40.1	64.3	94.5	130	172	220	273	326	379	429	472	507	535	553	562
60	2.64	3.00	7.45	19.5	33.4	50.0	72.2	97.4	124	152	184	217	251	283	311	335	356	369	376
65	2.54	2.81	4.30	11.2	21.7	33.9	48.9	66.0	83.6	103	123	144	165	185	204	219	232	241	247
70	2.50	2.78	3.11	6.86	14.6	23.1	32.1	41.5	51.3	60.8	70.0	79.4	87.9	96.0	103	109	114	117	119
75	2.43	2.61	2.85	4.21	7.87	12.3	17.7	24.2	30.8	37.4	43.6	49.6	54.8	59.4	63.2	66.5	69.1	71.1	72.5
80	2.39	2.52	2.72	2.83	2.85	3.35	5.78	9.36	13.1	16.5	19.6	21.9	23.5	24.4	25.0	25.5	25.8	26.1	26.4
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	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:2022-6-1

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:0.1107A P:23.97W PF:0.9834 Lamp Flux:3528.84x1 lm		
NAME: EV25B1204	TYPE:	WEIGHT:2.09KG
SPEC.:	DIM.: 294*229*69mm	SERIAL No.:1
MFR.: Integratech	SUR.:170*119mm	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	68.4	68.3	67.7	66.4	64.7	61.5	57.1	51.4	45.3	39.0	32.6	25.8	19.5	14.2	10.2	8.43	8.00	6.75	
-75	151	150	148	143	137	128	117	105	91.2	76.9	62.4	48.2	35.5	25.7	17.5	11.3	8.18	6.98	
-70	234	231	226	217	205	191	172	153	131	109	86.4	65.2	47.0	33.5	21.9	12.3	8.01	6.60	
-65	401	393	381	364	340	313	281	246	209	171	136	102	73.2	49.7	32.0	18.1	8.61	6.81	
-60	565	551	531	502	465	423	376	326	270	219	171	127	89.2	57.8	35.9	19.0	7.99	6.40	
-55	733	721	701	675	636	586	525	456	380	308	240	179	126	81.9	49.2	26.7	9.92	6.54	
-50	898	884	862	834	789	726	644	556	459	369	285	209	143	91.0	51.8	27.0	8.51	6.09	
-45	993	981	962	932	893	839	770	687	582	472	367	271	187	119	68.0	35.0	11.7	6.21	
-40	1086	1073	1051	1017	979	927	861	779	660	531	408	298	201	124	67.6	33.0	8.85	5.81	
-35	1154	1143	1122	1091	1053	1002	939	864	763	636	495	364	251	157	88.1	42.6	14.0	5.86	
-30	1218	1207	1183	1149	1109	1052	989	915	820	685	523	381	259	159	85.9	39.4	10.2	5.50	
-25	1262	1250	1232	1198	1158	1106	1042	968	879	759	602	444	306	191	105	48.6	16.2	5.45	
-20	1301	1288	1270	1231	1189	1135	1066	990	896	776	613	447	303	184	96.2	42.4	10.3	5.09	
-15	1331	1315	1297	1263	1221	1171	1106	1031	941	831	678	501	345	215	117	53.0	17.8	4.95	
-10	1357	1336	1314	1279	1235	1183	1118	1038	946	832	674	488	331	202	106	46.1	11.8	4.60	
-5	1360	1343	1323	1290	1248	1195	1134	1055	966	859	712	528	363	226	122	54.6	18.4	4.41	
0	1360	1343	1322	1285	1240	1185	1120	1037	946	836	679	496	336	202	105	44.6	10.8	4.06	
5	1347	1332	1312	1278	1237	1184	1121	1043	953	847	701	519	357	221	119	53.0	17.6	3.88	
10	1330	1315	1289	1256	1214	1159	1090	1016	922	810	654	473	319	194	101	43.3	11.1	3.56	
15	1295	1282	1259	1228	1187	1135	1071	996	908	799	649	479	328	202	109	48.6	16.0	3.43	
20	1256	1243	1218	1184	1142	1088	1020	945	856	736	578	420	281	168	86.7	37.7	8.83	3.17	
25	1200	1190	1167	1137	1097	1045	984	912	823	705	555	409	279	171	92.3	42.0	13.7	3.08	
30	1142	1131	1105	1075	1035	980	919	848	750	620	473	341	228	137	72.6	32.9	7.68	2.88	
35	1062	1053	1032	1002	964	917	855	782	685	565	437	317	215	132	72.3	34.5	10.6	2.80	
40	980	968	947	918	878	829	763	681	576	461	350	248	164	99.5	52.9	25.4	4.97	2.64	
45	866	856	838	809	770	721	655	580	492	396	304	219	148	92.1	51.6	26.0	7.23	2.57	
50	750	738	719	687	644	588	517	447	370	294	222	159	107	66.1	37.5	18.4	3.73	2.43	
55	565	557	543	520	488	447	397	345	289	233	179	131	90.2	57.7	34.1	17.4	4.58	2.40	
60	378	371	360	340	317	289	256	221	185	150	116	85.4	58.8	38.1	22.9	10.5	2.71	2.31	
65	250	246	240	230	216	199	179	158	134	110	86.7	65.5	46.7	31.3	19.1	9.19	2.95	2.31	
70	120	120	118	114	109	103	93.9	84.4	73.1	61.0	48.8	37.6	27.8	18.9	10.8	4.58	2.42	2.29	
75	73.3	73.4	72.6	71.1	68.4	64.8	59.7	54.3	47.5	40.3	32.4	25.1	18.5	12.7	7.63	4.05	2.46	2.31	
80	26.7	27.0	27.1	26.8	26.2	25.2	23.5	21.6	19.2	16.4	13.1	9.77	6.78	4.19	2.84	2.46	2.37	2.30	
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:2022-6-1

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: