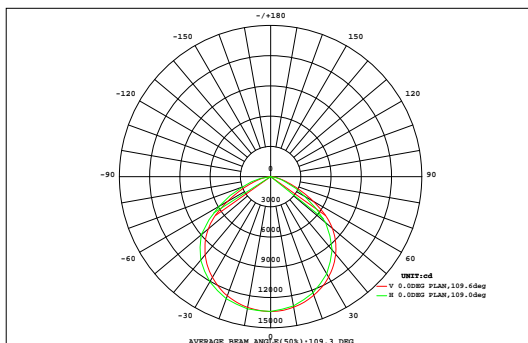


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.0V I:1.090A P:236.8W PF:0.9876 Lamp Flux:35468.4x1 lm		
NAME: EV240B1204	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:323*272mm	PROTECTION ANGLE:



DATA OF LAMP		Eff:149.76lm/W	
MODEL	EV240B1204	Imax(cd)	13375
NOMINAL POWER(W)	240	AVAILABILITY(%)	97.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	34686
NOMINAL FLUX(lm)	35468.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	35468
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	0.10	0.86	3.17	7.11	12.5	18.5	24.1	28.5	31.0	31.2	29.2	25.3	19.9	14.0	8.52	4.14	1.31	0.14	260	38.5
70	0.16	2.13	7.17	16.2	29.2	44.4	59.6	71.9	78.7	78.7	72.2	60.3	45.4	30.3	17.4	8.05	2.58	0.24	625	537
60	0.31	3.53	12.6	30.3	56.4	88.6	121	147	162	163	149	124	91.2	58.5	31.6	13.5	3.99	0.39	1257	1223
50	0.47	5.12	19.4	48.0	92.2	145	195	233	253	254	236	200	151	96.6	50.5	20.4	5.54	0.56	2005	1984
40	0.62	6.83	26.8	68.1	131	199	254	293	313	314	294	257	203	136	71.7	27.8	7.14	0.69	2603	2588
30	0.74	8.36	33.7	87.2	163	232	290	332	354	355	334	293	236	168	92.2	35.3	8.66	0.80	3022	3011
	0.83	9.64	39.5	103	182	254	315	359	383	383	361	317	257	186	107	41.3	9.77	0.88	3308	3298
	0.88	10.4	42.9	111	192	266	329	375	399	400	376	331	269	197	117	45.3	10.6	0.95	3473	3463
	0.91	10.7	44.2	114	196	270	333	379	404	404	380	335	272	199	118	46.0	10.6	0.94	3518	3508
	0.87	10.3	42.3	109	191	264	327	372	396	397	373	328	267	195	114	44.1	10.3	0.89	3444	3434
-30	0.79	9.52	38.3	98.5	178	250	310	354	377	378	355	312	252	182	103	38.9	9.21	0.78	3247	3237
-40	0.67	8.13	31.9	81.3	154	225	283	324	346	346	325	285	228	160	85.6	32.2	7.92	0.67	2925	2912
-50	0.56	6.59	25.0	62.0	119	185	240	280	300	301	281	243	189	124	63.5	24.2	6.21	0.55	2452	2435
-60	0.45	4.85	17.6	42.3	79.5	127	175	210	229	230	213	180	133	82.9	42.2	16.9	4.64	0.45	1788	1763
-70	0.35	3.37	11.3	25.7	46.6	71.8	97.6	119	132	133	122	100	72.5	45.3	24.1	10.4	3.14	0.35	1019	974
-80	0.25	2.04	6.08	13.1	22.3	32.6	42.7	51.0	55.5	55.4	50.4	41.4	30.5	20.4	11.8	5.59	1.88	0.26	443	280
-90	0.10	0.61	1.72	3.20	4.88	6.48	7.73	8.57	8.73	8.37	7.56	6.51	5.25	3.81	2.46	1.29	0.43	0.09	77.8	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			
Φ t	9.06	103	404	1020	1851	2680	3402	3937	4223	4232	3960	3437	2724	1897	1061	415	104	9.64	35468	---
Φ a	0.00	37.0	349	973	1803	2632	3361	3901	4185	4195	3924	3394	2672	1850	1012	362	36.5	0.00	---	34686

one-half-peak spread: U:57.7,D:51.7 , L:55.1,R:54.8

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=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.0V I:1.090A P:236.8W PF:0.9876 Lamp Flux:35468.4x1 lm		
NAME: EV240B1204	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integratech	SUR.: 323*272mm	PROTECTION ANGLE:

Conical surface Flux(90deg):

20828 lm

%lum = 58.8%

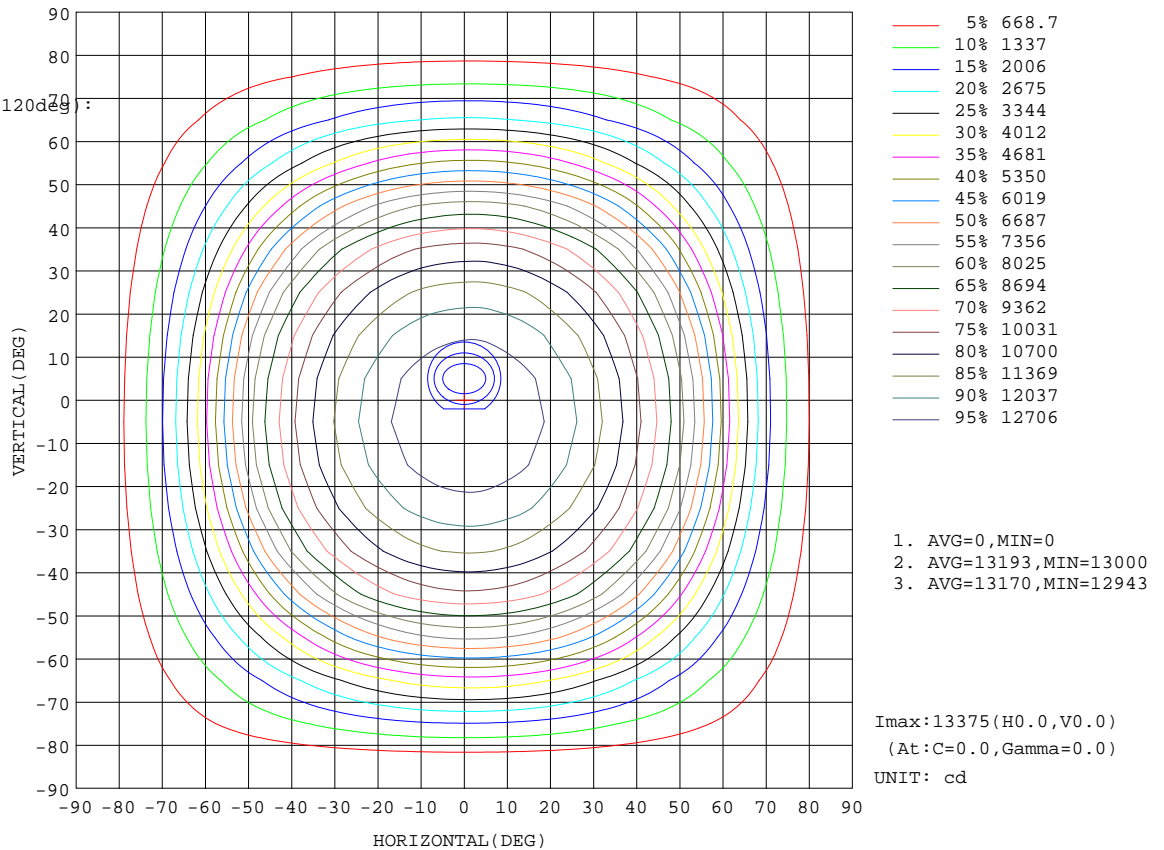
%lamp = 58.7%

Conical surface Flux(120deg):

30146 lm

%lum = 85.1%

%lamp = 85.0%



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

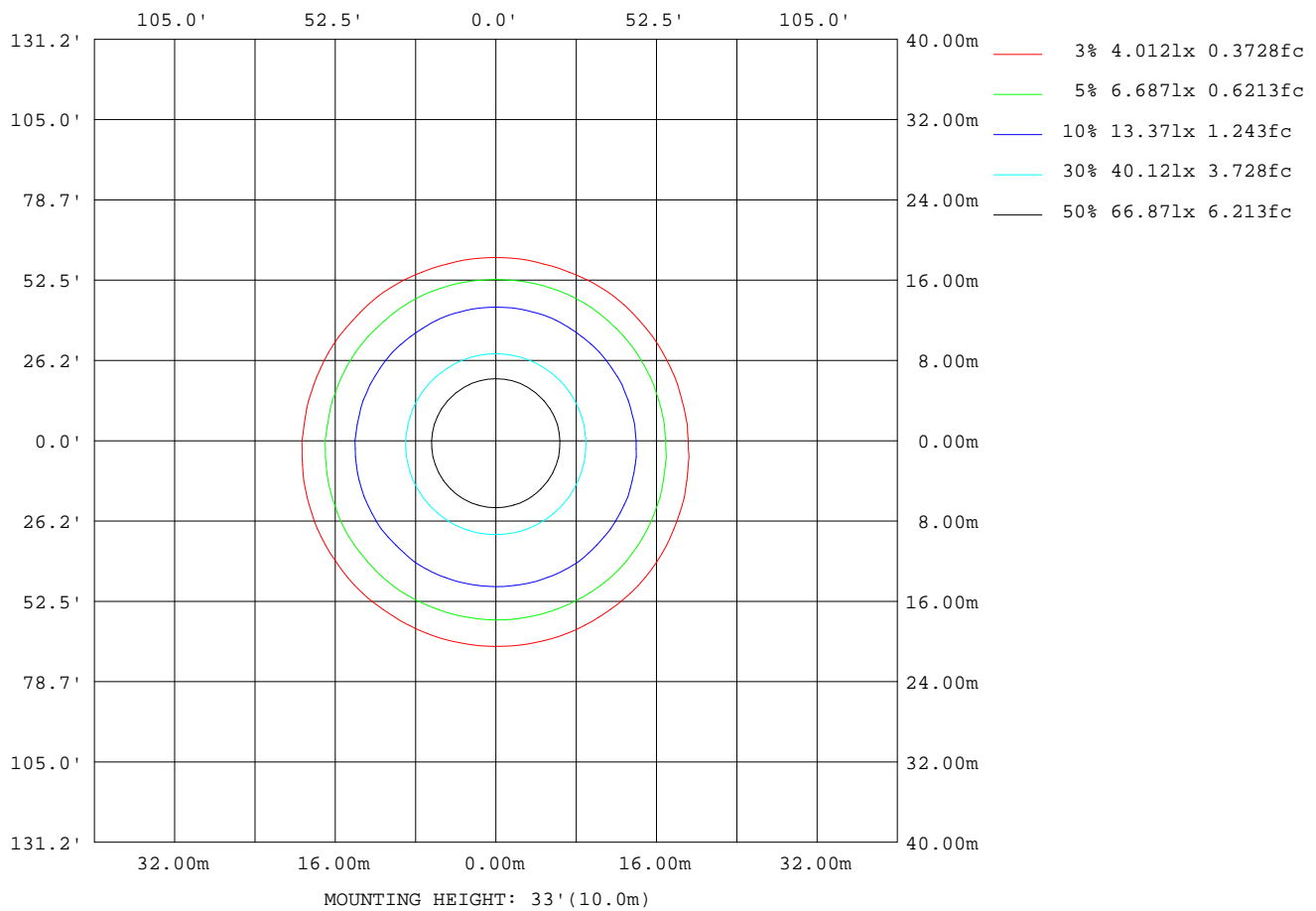
Humidity:65.0%

Test Distance:11.710m [K=1.0000]

Remarks:

ISOLUX DIAGRAM

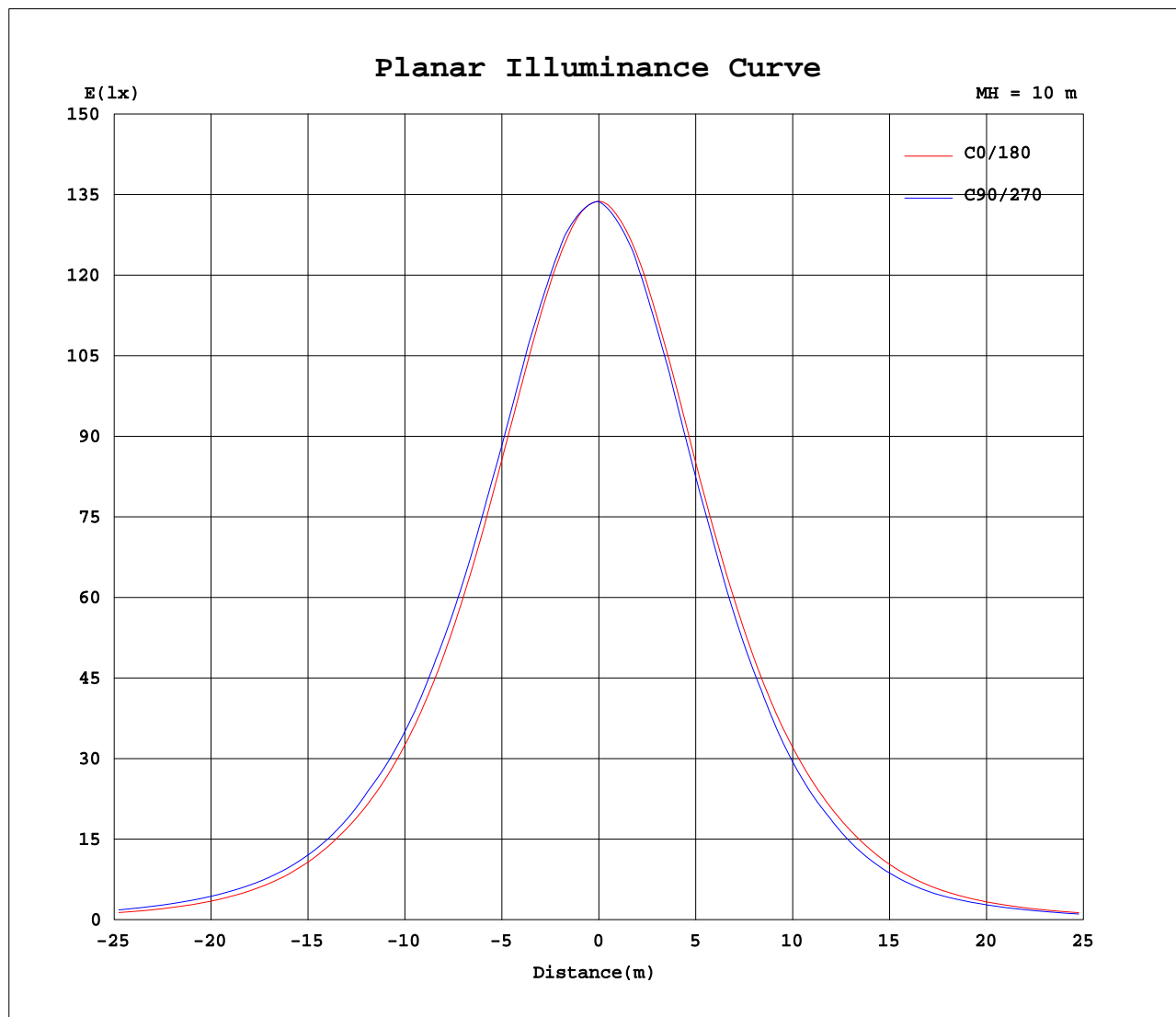
Test:U:220.0V I:1.090A P:236.8W PF:0.9876 Lamp Flux:35468.4x1 lm		
NAME: EV240B1204	TYPE:	WEIGHT:7.29KG
SPEC.:	DIM.: 470*385*74mm	SERIAL No.:1
MFR.: Integratech	SUR.:323*272mm	PROTECTION ANGLE:



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

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=1.0000]
 Remarks:

Planar Illuminance Curve

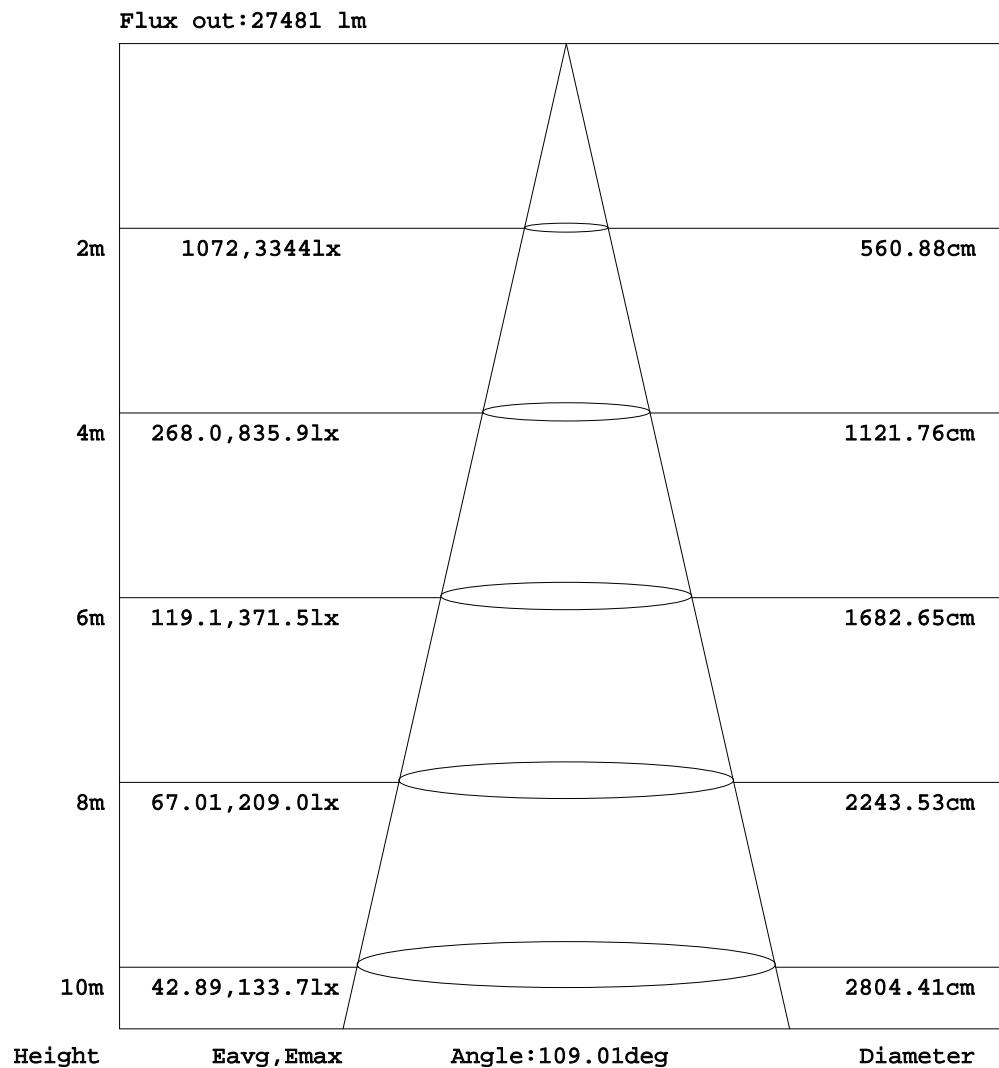


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-6-9

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=1.0000]
Remarks:

AAI Figure

Test:U:220.0V I:1.090A P:236.8W PF:0.9876 Lamp Flux:35468.4x1 lm		
NAME: EV240B1204	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:2022-6-9

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=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:1.090A P:236.8W PF:0.9876 Lamp Flux:35468.4x1 lm		
NAME: EV240B1204	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	6.18	6.98	10.8	17.7	25.2	33.0	41.2	49.2	57.8	65.7	73.7	80.5	86.7	92.5	96.9	101	103	104	104
-75	5.88	7.06	12.8	23.5	34.5	46.1	59.8	75.2	91.3	107	122	137	151	165	176	185	193	197	198
-70	5.82	8.43	18.5	33.8	48.4	64.2	84.3	107	131	154	177	200	221	242	259	274	284	291	293
-65	5.48	7.98	19.7	38.3	58.3	82.2	111	143	178	214	252	288	324	356	384	408	426	438	443
-60	5.44	10.7	27.7	50.8	77.1	111	151	193	240	290	341	391	439	483	520	551	574	588	593
-55	5.10	9.20	27.2	54.0	86.9	128	177	233	295	362	429	498	561	618	663	698	724	739	747
-50	5.08	12.7	36.8	69.2	112	164	226	297	376	460	545	630	707	772	822	857	881	895	901
-45	4.79	10.6	35.2	71.9	119	179	252	338	433	536	634	723	796	859	907	943	968	984	991
-40	4.82	15.3	46.8	91.6	149	222	311	415	530	651	760	847	913	966	1008	1042	1064	1077	1081
-35	4.56	11.8	43.2	89.0	150	229	328	443	571	699	806	892	959	1016	1061	1096	1122	1137	1143
-30	4.59	17.2	55.3	108	179	272	387	521	665	793	888	965	1031	1086	1129	1163	1187	1201	1206
-25	4.34	13.0	50.3	103	175	272	393	536	686	812	911	992	1059	1116	1162	1198	1224	1241	1247
-20	4.33	20.4	63.2	123	206	317	453	611	763	876	968	1047	1112	1166	1212	1246	1269	1285	1289
-15	4.07	14.4	54.7	112	193	302	440	600	756	874	970	1050	1118	1176	1224	1260	1287	1304	1310
-10	4.02	23.5	65.4	130	218	338	487	656	802	912	1005	1083	1151	1205	1254	1286	1313	1326	1333
-5	3.76	16.8	55.9	116	200	315	459	628	780	895	990	1071	1140	1199	1248	1283	1311	1327	1335
0	3.68	26.1	66.4	132	222	344	496	667	809	918	1010	1089	1155	1213	1258	1292	1317	1331	1337
5	3.45	17.9	54.4	113	195	307	449	614	766	880	975	1057	1126	1184	1232	1268	1296	1311	1320
10	3.39	24.3	62.0	124	208	323	466	627	771	882	975	1054	1120	1177	1222	1257	1282	1296	1303
15	3.19	16.5	50.9	105	180	282	411	562	713	830	926	1006	1075	1132	1178	1215	1242	1258	1265
20	3.18	22.5	57.6	113	188	289	414	559	706	820	912	988	1055	1107	1151	1185	1210	1223	1228
25	3.02	14.1	45.7	92.1	157	243	352	479	617	740	838	918	986	1041	1086	1122	1148	1163	1169
30	3.04	18.7	48.9	94.3	156	237	337	453	581	703	798	878	941	993	1037	1071	1095	1107	1113
35	2.91	10.9	38.7	75.3	127	194	278	375	485	597	696	781	850	905	950	985	1010	1024	1031
40	2.92	14.6	40.3	75.1	122	182	255	339	434	532	630	716	783	836	878	910	932	945	950
45	2.82	7.57	30.6	57.5	95.1	143	201	268	344	424	505	581	647	702	747	783	808	824	831
50	2.81	8.92	30.3	53.3	85.4	125	172	226	285	348	411	475	534	587	633	668	692	708	714
55	2.72	4.74	21.6	40.3	63.8	94.2	130	171	216	263	311	359	405	447	483	512	533	546	552
60	2.71	5.08	20.2	35.7	53.5	76.8	104	133	164	197	230	263	294	322	346	365	380	388	390
65	2.61	3.17	12.0	24.9	38.2	54.5	73.1	93.8	116	139	162	185	206	226	243	257	268	274	276
70	2.58	2.78	8.90	19.1	29.1	39.3	50.3	63.1	77.0	90.5	104	116	127	137	147	154	159	162	163
75	2.52	2.60	4.79	10.4	17.1	24.2	31.7	40.1	49.1	58.0	66.5	74.7	81.9	88.7	94.4	99.0	102	105	106
80	2.48	2.52	2.62	4.27	7.91	12.0	16.3	20.6	24.8	29.0	32.9	36.4	39.5	42.2	44.2	45.8	46.9	47.9	48.5
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:2022-6-9

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=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:1.090A P:236.8W PF:0.9876 Lamp Flux:35468.4x1 lm		
NAME: EV240B1204	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	103	100.0	96.6	92.0	86.5	80.3	73.3	65.8	58.2	50.5	43.0	35.7	28.5	21.7	14.8	9.46	7.98	6.56	
-75	197	193	187	177	165	151	136	120	104	88.1	72.8	58.5	45.9	34.4	24.3	14.6	8.66	6.86	
-70	291	285	273	258	238	216	192	167	143	120	96.7	75.9	58.5	43.1	29.4	16.3	8.36	6.45	
-65	442	434	420	399	372	339	302	262	221	181	145	112	83.5	59.6	40.7	22.9	10.3	6.71	
-60	591	579	559	530	493	447	395	339	282	228	179	136	98.1	68.0	44.3	23.0	9.45	6.25	
-55	745	734	714	685	645	594	534	464	391	318	248	186	134	91.0	58.7	31.7	12.6	6.45	
-50	896	882	859	825	779	720	646	562	470	378	289	213	150	99.5	61.7	31.0	11.1	5.95	
-45	987	976	954	922	880	826	759	678	582	477	370	272	190	126	77.8	41.0	14.9	6.12	
-40	1076	1063	1038	1004	962	908	841	759	653	532	408	295	201	130	77.3	38.2	11.9	5.64	
-35	1140	1128	1106	1073	1032	981	918	841	745	628	494	364	249	161	97.2	51.0	17.0	5.75	
-30	1201	1186	1162	1127	1084	1030	966	887	794	673	526	382	256	163	95.3	47.7	13.5	5.30	
-25	1244	1230	1208	1174	1132	1080	1017	940	851	739	596	443	302	191	114	59.3	19.3	5.33	
-20	1283	1268	1241	1206	1161	1107	1038	960	868	754	605	444	297	184	106	53.5	13.7	4.93	
-15	1308	1293	1270	1236	1191	1140	1075	997	909	802	664	499	340	213	125	64.5	22.8	4.87	
-10	1328	1312	1286	1250	1202	1150	1081	1003	911	801	657	486	326	201	115	57.8	16.4	4.49	
-5	1332	1317	1294	1259	1215	1162	1097	1019	930	825	690	521	357	223	130	66.7	26.3	4.36	
0	1333	1315	1289	1252	1208	1150	1083	1003	910	800	657	487	327	201	115	57.1	18.8	4.02	
5	1317	1302	1280	1245	1202	1148	1083	1007	917	812	676	510	349	219	128	65.8	27.1	3.87	
10	1297	1282	1258	1221	1177	1122	1055	978	885	774	632	465	313	195	112	56.0	19.6	3.57	
15	1263	1249	1227	1192	1150	1098	1034	959	870	763	624	466	320	203	120	62.0	25.2	3.45	
20	1224	1208	1184	1147	1104	1051	984	907	816	700	554	405	274	172	99.4	50.7	16.5	3.19	
25	1169	1155	1133	1100	1060	1010	946	873	783	668	532	395	272	176	105	55.7	22.4	3.10	
30	1110	1095	1071	1039	997	945	881	804	709	583	454	331	227	147	87.0	45.6	14.5	2.87	
35	1030	1017	996	966	926	876	813	736	641	530	416	309	216	143	87.5	48.1	18.7	2.81	
40	946	934	910	879	837	785	718	631	533	430	333	245	172	114	69.3	38.1	10.5	2.63	
45	830	818	797	767	726	675	613	540	457	373	293	221	159	108	68.0	39.0	13.8	2.58	
50	711	697	674	640	596	542	480	415	348	283	223	169	123	83.7	53.3	30.3	7.90	2.45	
55	550	541	523	498	465	425	379	330	281	232	186	144	107	74.8	49.7	29.2	9.30	2.42	
60	387	379	364	344	319	290	258	225	193	161	131	103	76.5	54.9	37.0	20.3	4.95	2.33	
65	275	269	260	247	231	213	192	169	147	124	103	82.7	63.3	46.6	32.5	18.5	5.58	2.33	
70	161	157	152	145	137	127	116	104	91.7	79.4	67.0	54.8	43.0	32.4	22.2	10.8	3.27	2.29	
75	105	103	101	97.1	92.2	86.2	79.7	72.4	64.4	56.0	47.7	39.5	31.2	23.6	16.3	8.71	3.28	2.32	
80	48.8	48.7	47.9	47.0	45.3	43.0	40.3	37.2	33.5	29.6	25.2	20.9	16.3	11.8	7.35	3.69	2.37	2.32	
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=1.0000]

Remarks: