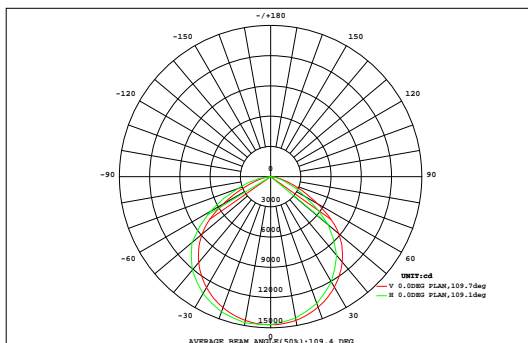


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:231.3V I:1.036A P:236.1W PF:0.9851 Lamp Flux:38967.1x1 lm		
NAME: EV240HOB1204	TYPE:	WEIGHT:6.2KG
SPEC.:	DIM.: 652*295*73mm	SERIAL No.:1
MFR.: Integratech	SUR.:240*252	PROTECTION ANGLE:



DATA OF LAMP		Eff:165.02lm/W	
MODEL	EV240HOB1204	Imax(cd)	14718
NOMINAL POWER(W)	240	AVAILABILITY(%)	97.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	38111
NOMINAL FLUX(lm)	38967.1	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	38967
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.07	0.00
90	0.11	0.94	3.23	7.00	11.9	17.5	22.7	26.9	29.4	29.7	27.9	24.0	18.9	13.0	7.44	3.29	0.90	0.10	245	10.00
80	0.18	2.17	7.17	15.9	28.4	43.7	59.2	71.6	78.5	78.5	72.0	60.2	45.5	30.2	17.0	7.53	2.18	0.16	620	502
70	0.34	3.60	12.7	30.6	58.5	93.1	128	154	168	167	152	125	92.0	59.2	32.2	13.5	3.70	0.31	1295	1253
60	0.49	5.19	19.9	50.9	100	158	210	249	269	268	247	207	154	98.3	51.9	21.0	5.43	0.48	2116	2091
50	0.63	6.93	28.0	74.8	145	217	275	317	338	338	316	274	214	141	73.9	29.2	7.26	0.62	2797	2780
40	0.75	8.52	36.1	97.4	179	254	316	361	386	385	361	316	254	178	95.9	37.2	9.06	0.74	3277	3263
30	0.84	9.91	43.4	116	202	280	346	393	419	418	393	344	278	200	113	43.7	10.4	0.83	3611	3600
20	0.89	10.7	47.7	125	214	294	362	412	438	438	412	362	293	213	125	48.3	11.4	0.90	3810	3799
10	0.92	11.1	49.4	129	218	300	369	419	445	445	418	367	298	217	128	49.5	11.6	0.92	3877	3867
0	0.88	10.6	47.1	124	214	295	363	413	439	439	413	363	294	214	125	48.1	11.3	0.90	3814	3803
-10	0.81	9.78	42.4	113	201	280	346	395	420	419	394	346	279	201	113	43.1	10.2	0.81	3613	3601
-20	0.69	8.30	34.9	93.5	176	254	317	363	387	387	363	317	254	177	94.6	36.4	8.82	0.71	3273	3259
-30	0.58	6.69	26.7	70.4	139	212	273	316	339	338	316	273	213	139	71.5	27.8	6.93	0.58	2769	2751
-40	0.45	4.90	18.5	46.8	91.9	149	204	243	263	263	243	205	151	94.4	49.3	19.6	5.13	0.47	2052	2025
-50	0.34	3.40	11.6	27.4	51.8	82.5	115	141	156	157	143	117	85.7	54.6	28.8	11.9	3.35	0.35	1191	1142
-60	0.24	2.01	6.23	13.5	23.6	35.7	48.2	58.7	65.1	66.1	61.3	51.4	38.4	25.1	13.9	6.17	1.94	0.27	518	364
-70	0.10	0.53	1.63	3.19	5.01	6.76	8.25	9.43	10.1	10.2	9.68	8.39	6.51	4.42	2.74	1.45	0.47	0.11	89.0	0.00
-80																				
-90																				
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			
Φ t	9.24	105	437	1138	2058	2972	3763	4343	4650	4649	4340	3761	2972	2060	1142	448	110	9.26	38967	---
Φ a	0.00	32.1	375	1084	2007	2915	3713	4300	4611	4610	4299	3716	2919	2011	1090	391	38.3	0.00	---	38111

one-half-peak spread: U:48.9,D:60.6 , L:56.2,R:53.9

NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-5-17

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:231.3V I:1.036A P:236.1W PF:0.9851 Lamp Flux:38967.1x1 lm		
NAME: EV240HOB1204	TYPE:	WEIGHT:6.2KG
SPEC.:	DIM.: 652*295*73mm	SERIAL No.:1
MFR.: Integrattech	SUR.:240*252	PROTECTION ANGLE:

Conical surface Flux(90deg):

22897 lm

%lum = 58.9%

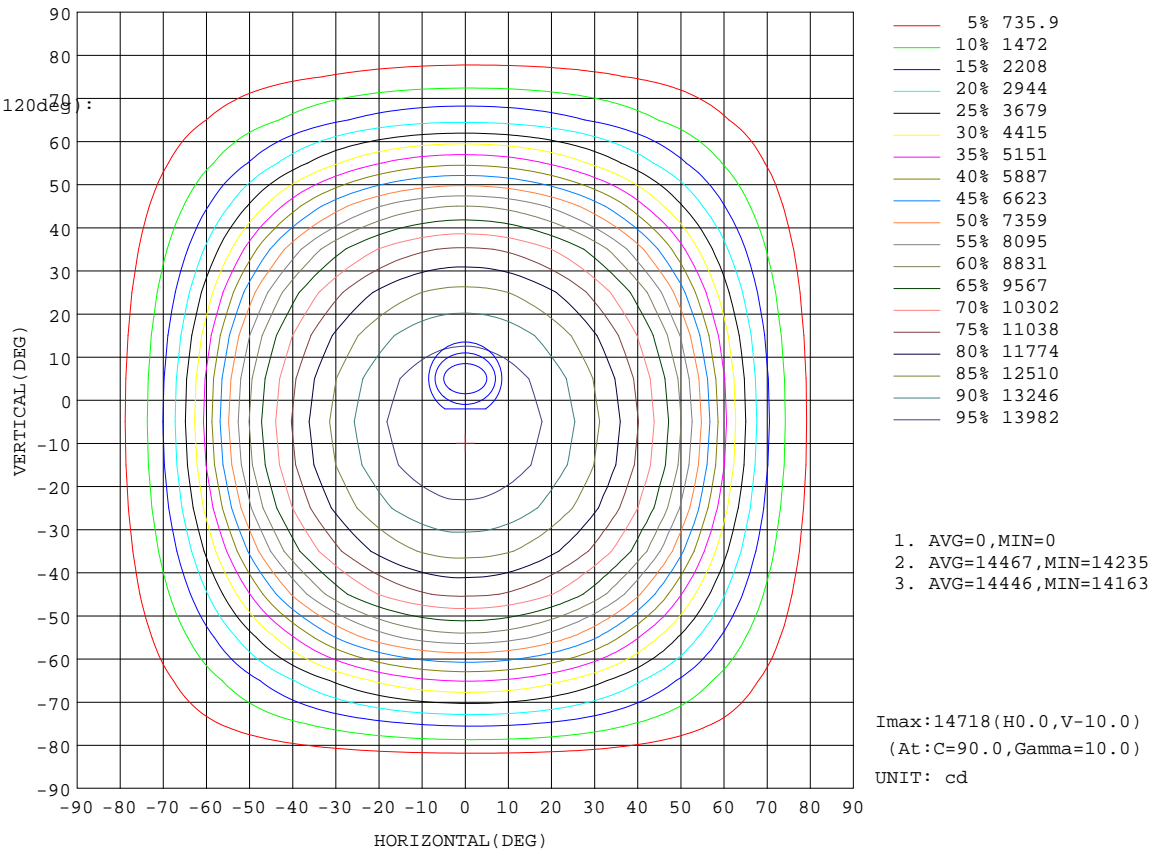
%lamp = 58.8%

Conical surface Flux(120deg):

33144 lm

%lum = 85.2%

%lamp = 85.1%



H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2022-5-17

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

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

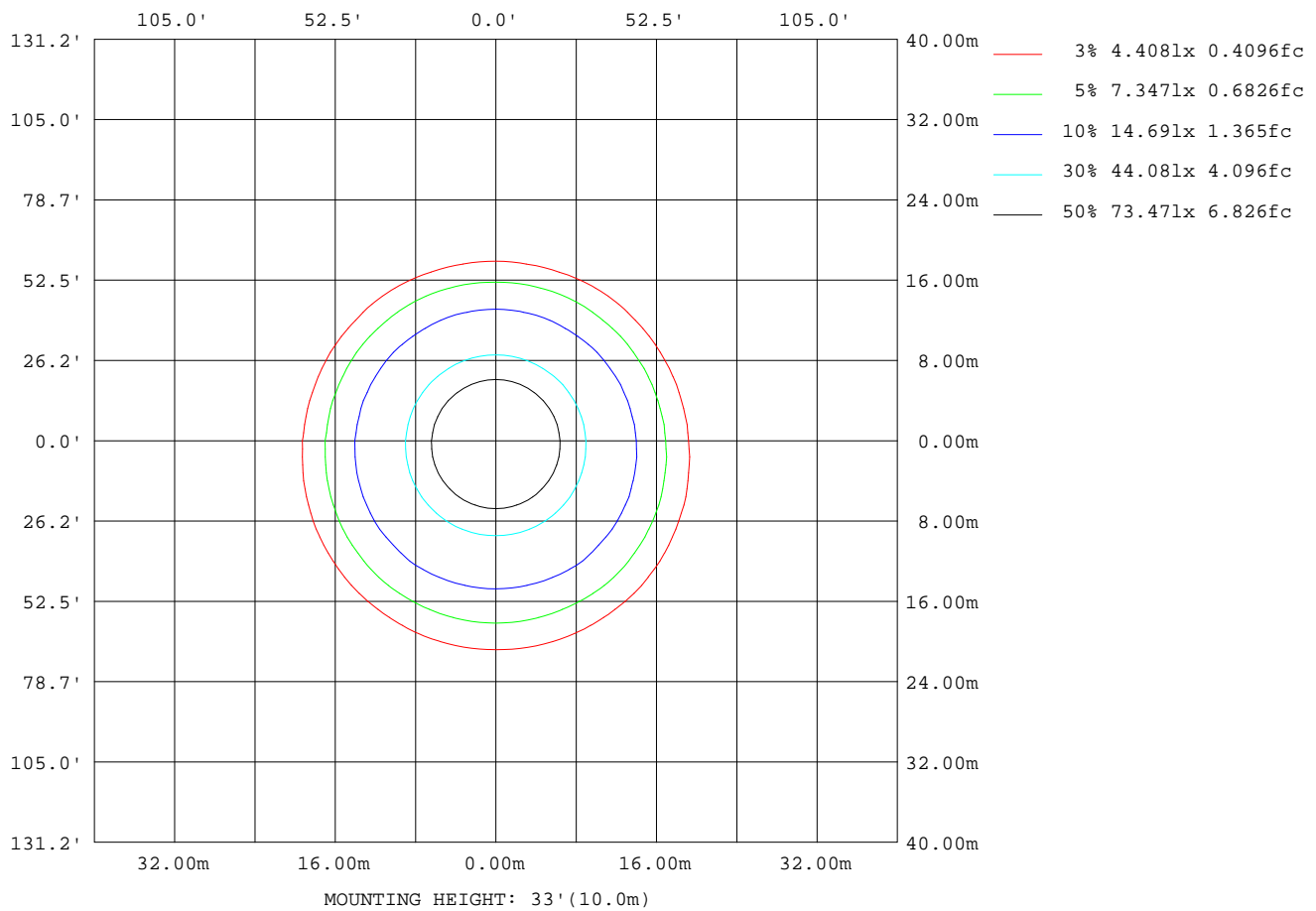
Humidity:65.0%

Test Distance:11.710m [K=1.0000]

Remarks:

ISOLUX DIAGRAM

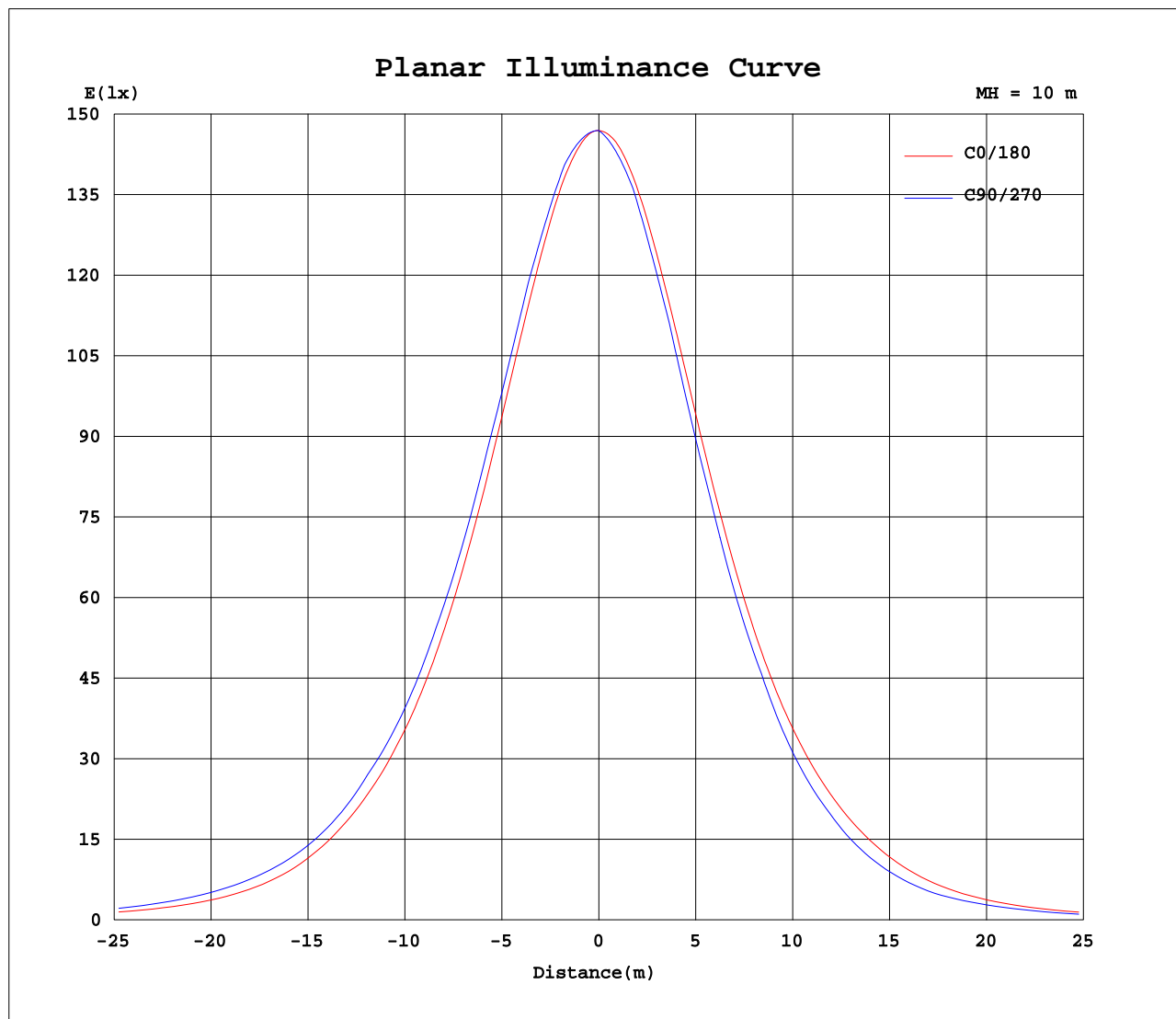
Test:U:231.3V I:1.036A P:236.1W PF:0.9851 Lamp Flux:38967.1x1 lm		
NAME: EV240HOB1204	TYPE:	WEIGHT:6.2KG
SPEC.:	DIM.: 652*295*73mm	SERIAL No.:1
MFR.: Integratech	SUR.:240*252	PROTECTION ANGLE:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-5-17

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

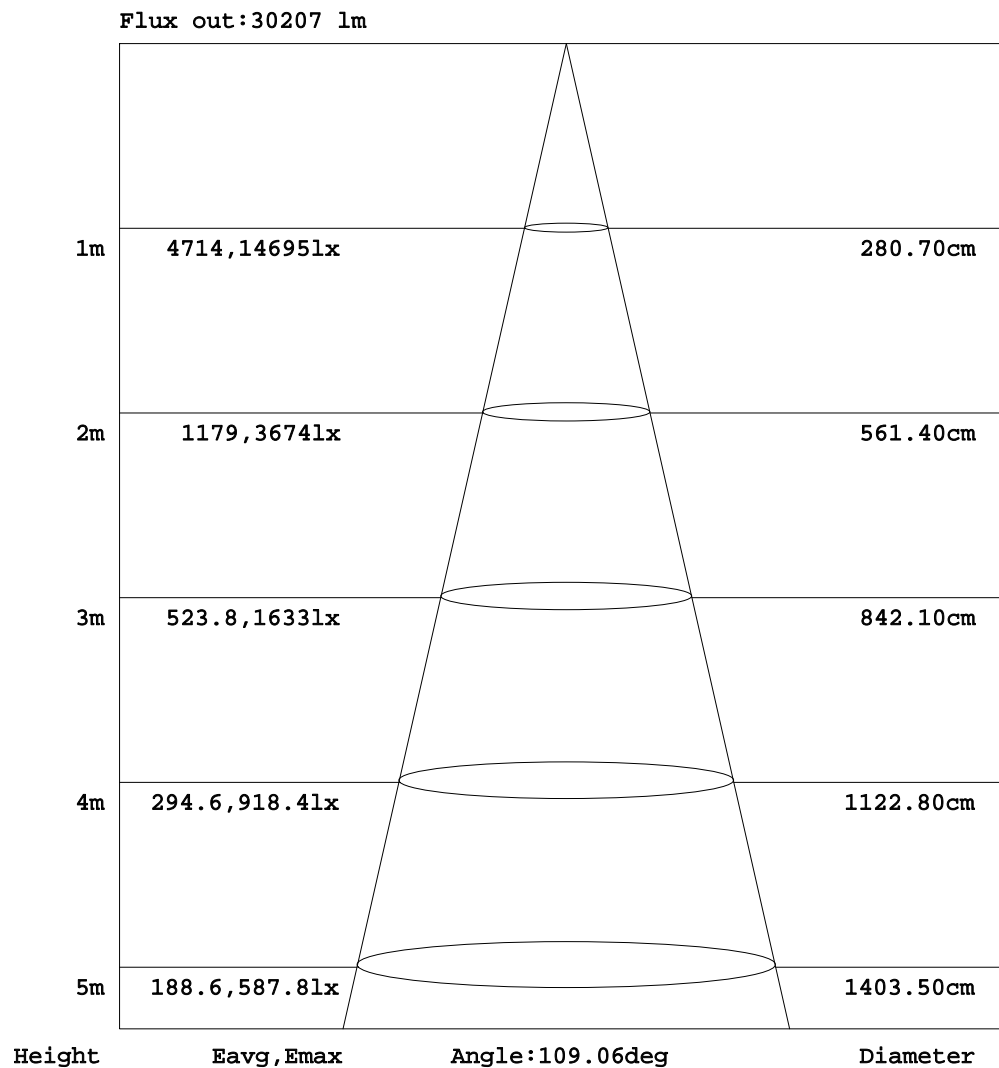


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-5-17

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:231.3V I:1.036A P:236.1W PF:0.9851 Lamp Flux:38967.1x1 lm		
NAME: EV240HOB1204	TYPE:	WEIGHT:6.2KG
SPEC.:	DIM.: 652*295*73mm	SERIAL No.:1
MFR.: Integratech	SUR.:240*252	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:2022-5-17

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:231.3V I:1.036A P:236.1W PF:0.9851 Lamp Flux:38967.1x1 lm		
NAME: EV240HOB1204	TYPE:	WEIGHT:6.2KG
SPEC.:	DIM.: 652*295*73mm	SERIAL No.:1
MFR.: Integratech	SUR.:240*252	PROTECTION ANGLE:

Table--1

UNIT: ×10cd

H(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
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	6.47	7.34	9.88	16.6	24.6	33.0	41.9	50.9	60.8	70.2	79.5	87.9	95.7	103	109	114	119	121	123
-75	6.26	7.58	13.6	24.5	36.1	49.2	64.0	80.8	99.0	118	136	155	172	189	204	216	225	231	234
-70	6.06	7.82	17.3	32.4	47.6	65.3	86.2	111	137	165	193	222	249	276	298	317	332	341	345
-65	5.85	8.78	21.8	40.8	62.0	88.7	121	158	200	245	291	336	380	420	455	482	503	515	520
-60	5.63	9.73	26.3	49.2	76.4	112	156	206	262	324	389	451	511	564	611	646	673	689	694
-55	5.46	10.7	30.8	58.2	93.3	140	198	266	343	426	509	591	664	724	773	810	837	852	857
-50	5.28	11.7	35.2	67.1	110	168	239	326	424	527	630	730	817	885	936	973	1000	1016	1021
-45	5.15	12.8	39.9	77.4	129	199	288	395	513	634	745	840	920	983	1033	1070	1096	1111	1115
-40	5.03	13.9	44.6	87.7	149	231	338	464	601	741	860	950	1023	1082	1129	1166	1191	1207	1210
-35	4.92	14.6	48.5	95.9	164	259	382	525	676	813	925	1014	1087	1146	1194	1230	1256	1273	1276
-30	4.82	15.3	52.4	104	180	287	427	586	750	885	990	1077	1150	1210	1259	1295	1322	1340	1342
-25	4.70	16.6	55.7	112	195	312	464	634	798	928	1032	1119	1191	1252	1301	1338	1365	1382	1386
-20	4.57	17.8	59.0	119	209	337	501	683	847	971	1073	1160	1233	1295	1344	1381	1409	1425	1429
-15	4.41	19.2	59.9	122	215	349	519	705	866	989	1091	1179	1252	1314	1364	1402	1430	1446	1450
-10	4.26	20.5	60.8	125	221	361	537	727	884	1006	1109	1197	1271	1333	1384	1422	1450	1467	1472
-5	4.08	21.6	61.3	126	223	364	541	731	887	1008	1110	1197	1271	1333	1383	1421	1449	1466	1471
0	3.91	22.6	61.8	127	225	368	545	735	889	1009	1111	1197	1271	1334	1383	1421	1449	1465	1469
5	3.76	21.8	59.9	123	217	354	527	713	867	988	1090	1176	1249	1311	1361	1399	1427	1443	1447
10	3.61	21.0	58.0	119	209	341	508	690	846	968	1069	1155	1227	1289	1339	1377	1405	1421	1425
15	3.50	20.3	56.0	113	198	320	478	651	809	931	1031	1117	1188	1249	1297	1334	1361	1377	1382
20	3.39	19.7	54.0	108	187	300	447	613	771	894	994	1078	1149	1209	1255	1291	1318	1333	1338
25	3.30	17.9	49.9	98.6	170	269	400	551	701	827	930	1014	1085	1142	1190	1225	1252	1267	1272
30	3.22	16.1	45.8	89.3	153	239	354	489	631	761	866	950	1020	1076	1124	1159	1185	1200	1205
35	3.17	14.3	41.9	80.2	135	210	306	422	547	668	773	860	930	987	1033	1068	1092	1107	1112
40	3.11	12.5	37.9	71.2	118	180	259	356	464	575	681	770	840	898	943	977	999	1014	1019
45	3.05	10.3	33.3	61.3	99.9	151	214	291	377	468	558	637	705	760	806	841	864	879	883
50	3.00	8.00	28.6	51.3	81.5	121	169	225	291	362	434	504	570	623	669	704	729	744	747
55	2.94	6.59	23.9	42.9	66.7	97.3	134	177	225	277	331	384	433	475	511	539	558	570	572
60	2.88	5.18	19.3	34.6	51.9	73.3	99.0	128	159	193	228	263	297	327	353	373	388	395	397
65	2.81	4.16	13.8	26.5	39.9	55.6	73.7	93.8	115	138	162	185	208	228	246	259	270	275	277
70	2.75	3.13	8.21	18.5	28.0	38.0	48.5	59.7	71.2	83.2	95.7	108	119	129	138	146	152	156	157
75	2.70	2.96	5.59	11.7	18.1	24.9	32.2	39.8	47.5	55.3	63.3	70.9	77.7	84.0	89.6	94.1	97.6	99.9	101
80	2.65	2.78	2.97	4.85	8.15	11.9	15.9	20.0	23.8	27.4	30.8	33.9	36.6	38.9	40.8	42.4	43.4	44.3	44.9
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:2022-5-17

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:231.3V I:1.036A P:236.1W PF:0.9851 Lamp Flux:38967.1x1 lm		
NAME: EV240HOB1204	TYPE:	WEIGHT:6.2KG
SPEC.:	DIM.: 652*295*73mm	SERIAL No.:1
MFR.: Integratech	SUR.:240*252	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	123	121	118	113	107	98.8	89.2	78.8	67.9	57.9	48.3	39.7	31.3	22.7	15.3	9.94	8.72	7.19	
-75	234	230	223	212	199	182	163	143	122	102	82.6	64.8	48.7	34.8	23.5	13.6	8.84	7.13	
-70	344	339	327	311	291	265	238	208	176	147	117	89.9	66.0	46.9	31.7	17.2	8.96	7.07	
-65	517	506	487	461	430	392	350	304	257	211	166	126	91.1	62.6	40.2	21.4	9.55	6.94	
-60	689	672	647	612	569	519	461	400	337	276	215	162	116	78.4	48.7	25.6	10.1	6.82	
-55	853	837	811	775	729	671	600	520	436	356	279	208	147	97.6	59.7	30.9	11.2	6.64	
-50	1016	1002	975	939	888	823	738	640	535	436	342	254	178	117	70.7	36.3	12.2	6.46	
-45	1111	1096	1070	1033	984	922	844	749	637	519	404	299	208	136	80.4	40.3	13.0	6.26	
-40	1206	1190	1164	1127	1079	1021	949	858	738	602	466	345	239	154	90.2	44.3	13.7	6.07	
-35	1272	1256	1229	1193	1144	1085	1014	927	814	680	528	391	270	173	101	49.5	14.7	5.86	
-30	1339	1323	1295	1258	1210	1150	1080	995	889	759	590	436	300	191	112	54.8	15.7	5.65	
-25	1381	1364	1336	1299	1250	1189	1117	1031	928	802	633	467	321	203	118	56.6	16.2	5.42	
-20	1423	1405	1378	1339	1290	1228	1154	1067	966	845	676	497	342	215	123	58.5	16.6	5.20	
-15	1444	1427	1400	1361	1310	1248	1176	1089	987	866	705	519	356	224	129	61.3	18.8	4.94	
-10	1466	1450	1422	1382	1331	1269	1197	1111	1007	887	735	541	370	233	134	64.1	21.0	4.68	
-5	1465	1449	1419	1380	1329	1267	1194	1107	1004	885	729	538	369	232	133	62.8	20.9	4.41	
0	1464	1447	1417	1377	1327	1265	1190	1104	1001	884	723	535	368	231	131	61.4	20.8	4.14	
5	1442	1425	1396	1357	1308	1245	1172	1086	985	867	706	521	359	226	129	61.2	20.7	3.90	
10	1419	1403	1376	1337	1289	1225	1154	1068	968	850	689	507	350	221	128	61.0	20.6	3.66	
15	1376	1360	1332	1294	1246	1184	1112	1027	926	805	641	473	327	208	119	56.9	19.1	3.48	
20	1333	1316	1288	1251	1203	1143	1070	986	884	759	594	439	304	194	111	52.9	17.5	3.29	
25	1267	1251	1222	1187	1140	1080	1009	925	821	692	540	400	278	178	104	49.8	16.5	3.14	
30	1200	1185	1157	1122	1076	1018	947	864	758	625	485	361	252	163	96.3	46.8	15.6	2.98	
35	1107	1092	1065	1030	984	925	852	762	656	538	419	313	220	144	84.6	42.0	13.2	2.86	
40	1014	999	972	938	891	832	756	661	554	452	353	266	188	124	72.9	37.3	10.8	2.75	
45	878	862	835	799	751	693	624	543	458	375	295	223	159	106	63.1	32.9	9.00	2.66	
50	742	725	697	660	611	553	492	426	362	299	237	181	130	87.4	53.3	28.6	7.20	2.58	
55	568	555	533	504	467	424	379	329	280	233	186	143	104	70.2	44.1	23.3	5.73	2.53	
60	393	384	368	348	324	296	265	232	199	167	135	105	77.0	53.1	34.9	17.9	4.26	2.48	
65	275	269	259	246	230	211	191	169	145	123	99.9	78.2	58.3	40.9	26.5	12.9	3.52	2.48	
70	157	154	150	144	137	127	117	105	91.6	78.1	64.3	51.0	39.5	28.7	18.1	7.82	2.78	2.47	
75	101	99.5	97.1	93.7	89.0	83.1	76.6	69.2	60.5	51.7	42.5	33.6	25.6	18.1	11.2	5.29	2.69	2.49	
80	45.1	44.8	44.0	43.0	41.4	39.2	36.4	33.2	29.3	25.2	20.7	16.1	11.6	7.57	4.34	2.76	2.60	2.51	
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:2022-5-17

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: