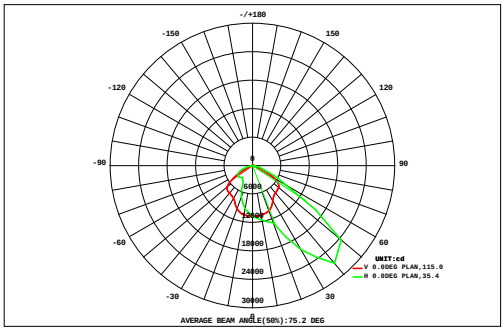
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		792.6 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	136.6V x 137.9H
	At 50% of Imax	35.4V x 115.0H
	At 90% of Imax	14.5V x 44.1H
Beam Flux	Total	999.3 lumens per klm.
	To 10% of Imax	925.8 lumens per klm.
	To 50% of Imax	354.3 lumens per klm.
	To 90% of Imax	66.3 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.5V I:1.130A P:242.3W PF:0.9726 Freq:49.90Hz Lamp Flux:33947.2x1 lm		
NAME: ITSP4240AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:140.09lm/W	
MODEL		Imax(cd)	26908
NOMINAL POWER(W)	240	AVAILABILITY(%)	93.4
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	31720
NOMINAL FLUX(lm)	33947.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	33947
TEST VOLTAGE(V)	221.0	q @50%(H,V)	115,35DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-90	-80	-70	-60	-50	-40	-30	-20	20	30	40	50	60	70	80	90	F t	F a
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
80	0.30	1.05	2.26	4.31	8.47	17.2	30.3	39.2	39.4	39.7	41.2	34.7	21.6	10.8	5.30	2.71	1.25	0.34	300	0.00
70	0.27	1.25	3.46	8.15	18.6	39.0	64.6	82.9	90.9	92.4	86.3	67.1	40.0	19.4	9.05	4.06	1.54	0.33	629	327
60	0.29	1.68	5.31	12.9	26.5	48.5	74.9	100	116	117	101	72.3	44.7	25.2	13.3	6.13	2.09	0.37	769	523
50	0.30	2.12	7.32	17.0	30.6	51.2	73.9	96.0	110	108	92.0	69.9	49.8	31.5	17.5	8.44	2.65	0.39	769	474
40	0.31	2.54	9.52	21.1	41.7	69.1	89.8	102	106	106	100	89.6	70.8	46.8	25.4	10.9	3.18	0.40	896	691
30	0.32	2.95	12.1	35.3	73.2	105	126	140	154	158	148	130	109	79.3	45.1	17.6	3.81	0.42	1341	1248
-30	0.35	3.42	18.5	66.9	114	146	173	214	244	246	222	189	153	119	78.5	28.5	4.49	0.43	2023	1980
-40	0.38	3.83	26.9	91.2	144	178	227	283	304	305	288	239	186	148	103	36.4	4.91	0.44	2569	2539
-50	0.40	4.02	32.2	105	168	207	263	315	338	340	319	271	214	176	119	40.3	4.98	0.46	2916	2891
-60	0.40	3.84	32.7	111	188	243	302	348	369	368	349	308	256	207	128	38.9	4.62	0.48	3258	3234
-70	0.40	3.52	29.1	103	201	295	387	452	479	480	466	417	332	231	117	31.5	4.11	0.50	4029	4001
-80	0.38	3.16	21.1	79.8	185	331	497	641	709	720	673	549	373	213	87.2	21.8	3.68	0.51	5109	5072
-90	0.37	2.75	13.8	51.9	141	288	479	667	785	801	702	510	309	157	54.2	13.8	3.19	0.50	4979	4927
	0.36	2.30	8.79	30.1	86.3	181	301	434	532	529	430	294	183	86.8	28.8	8.69	2.68	0.48	3141	3062
	0.36	1.84	5.48	13.3	34.0	69.8	104	125	126	121	111	94.8	65.9	30.9	12.4	5.66	2.16	0.46	924	752
	0.36	1.46	3.40	6.58	11.3	18.1	28.8	31.2	30.7	31.0	30.2	27.7	18.0	10.6	6.66	3.88	1.74	0.44	262	0.00
	0.21	0.71	1.38	2.25	3.31	3.69	2.76	2.42	2.63	2.56	2.45	2.07	2.06	2.12	1.76	1.16	0.64	0.18	34.3	0.00
F t	5.75	42.4	233	761	1475	2289	3224	4074	4536	4565	4162	3365	2428	1594	852	281	51.7	7.14	33947	---
F a	0.00	0.00	122	596	1300	2078	3029	3952	4435	4467	4047	3175	2227	1422	706	163	0.00	0.00	---	31720

HORIZONTAL(DEG)

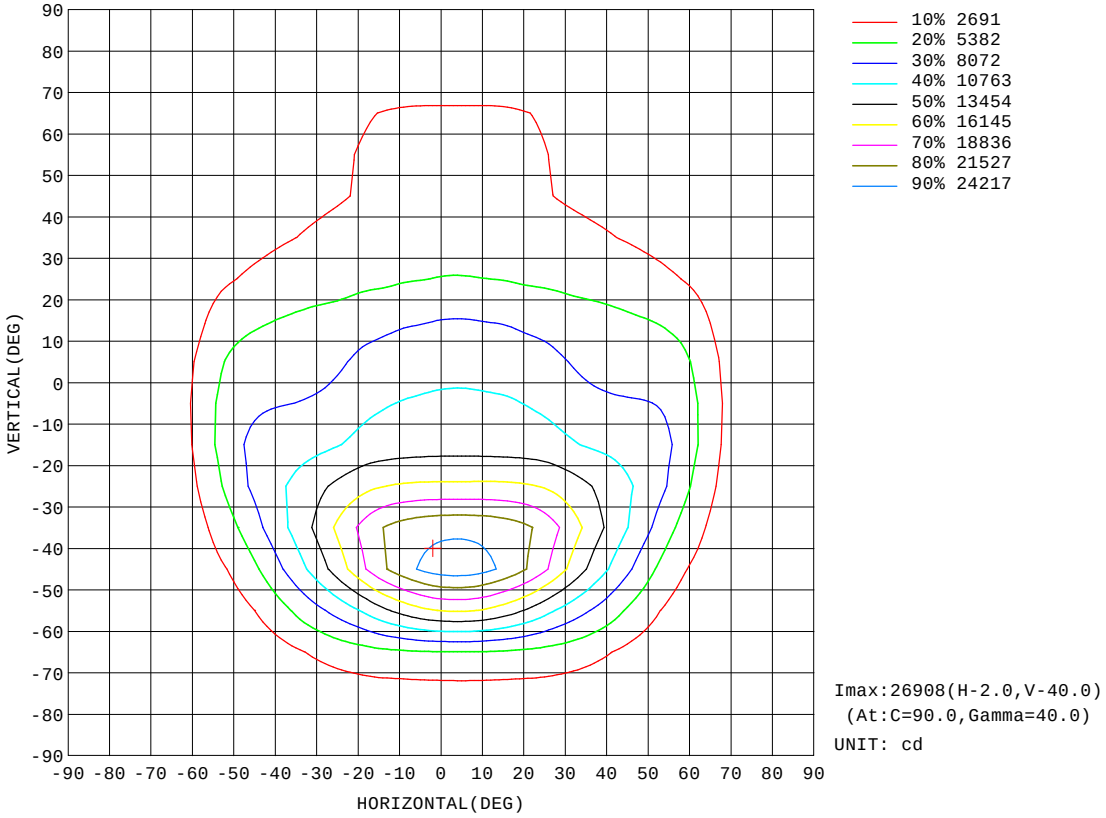
one-half-peak spread: U:16.6,D:19.2 , L:57.8,R:57.5 **NEMA Beam Type: Type 7**

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:19 February 2023

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.5V I:1.130A P:242.3W PF:0.9726 Freq:49.90Hz Lamp Flux:33947.2x1 lm		
NAME: ITSP4240AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

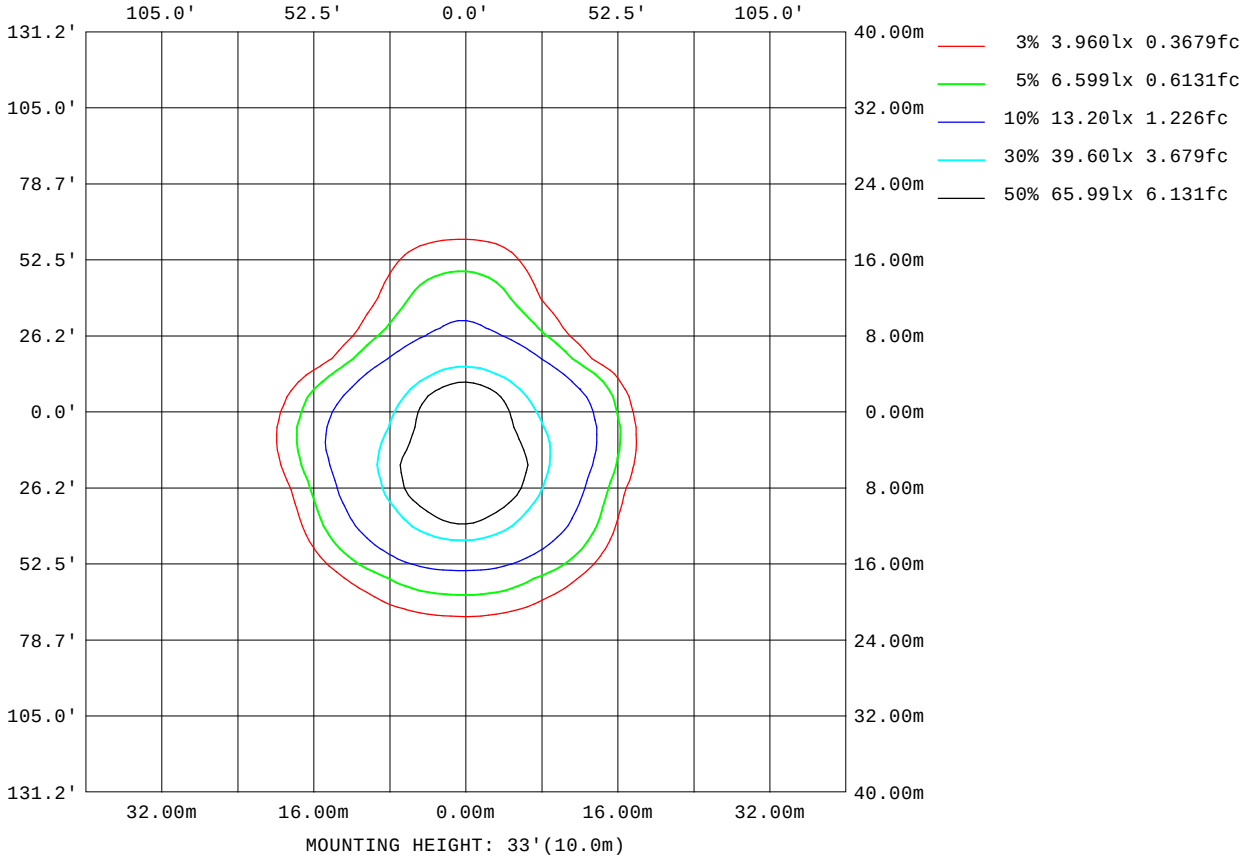


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:19 February 2023

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

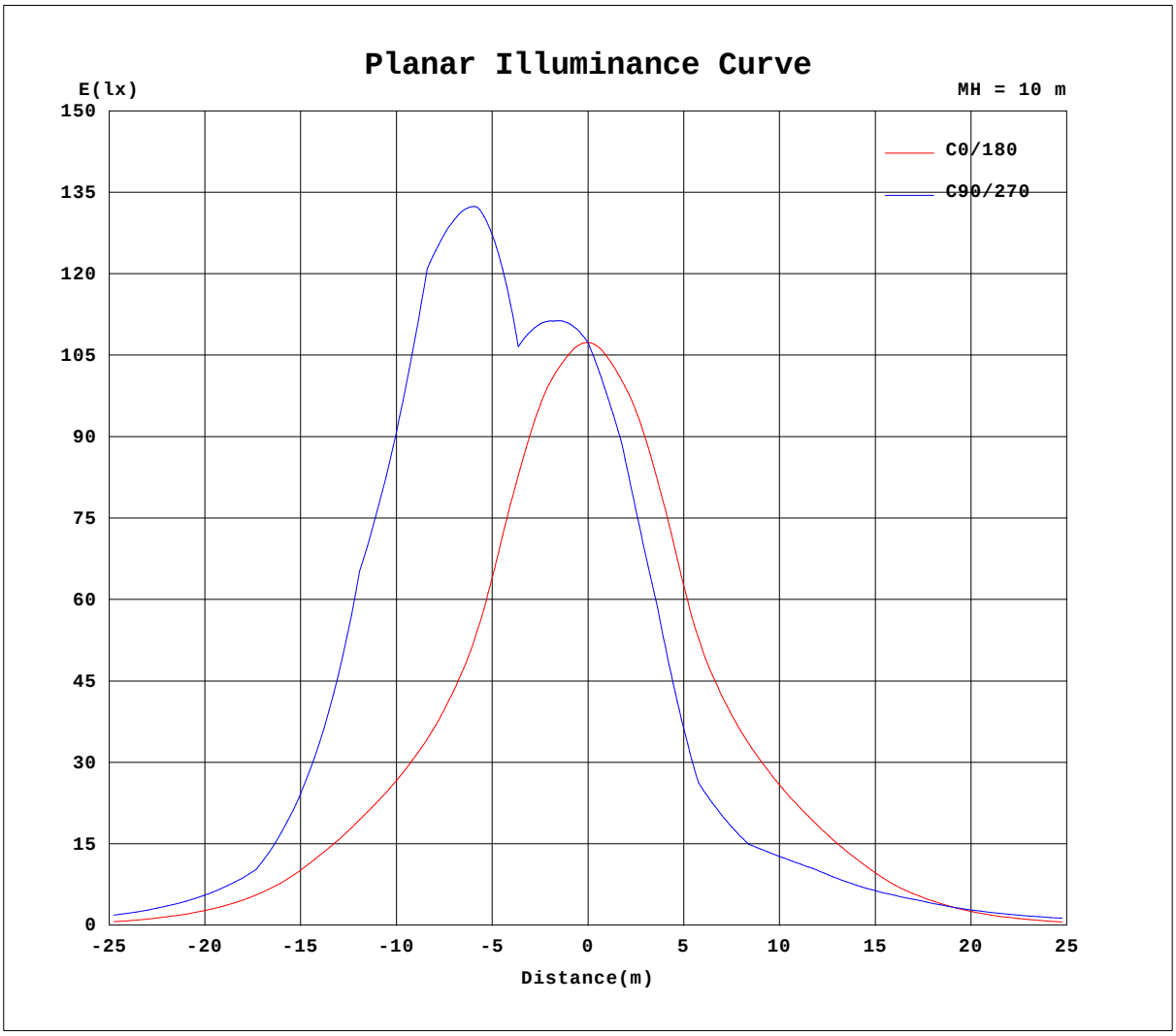
Test:U:220.5V I:1.130A P:242.3W PF:0.9726 Freq:49.90Hz Lamp Flux:33947.2x1 lm		
NAME: ITSP4240AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:19 February 2023

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

Planar Illuminance Curve



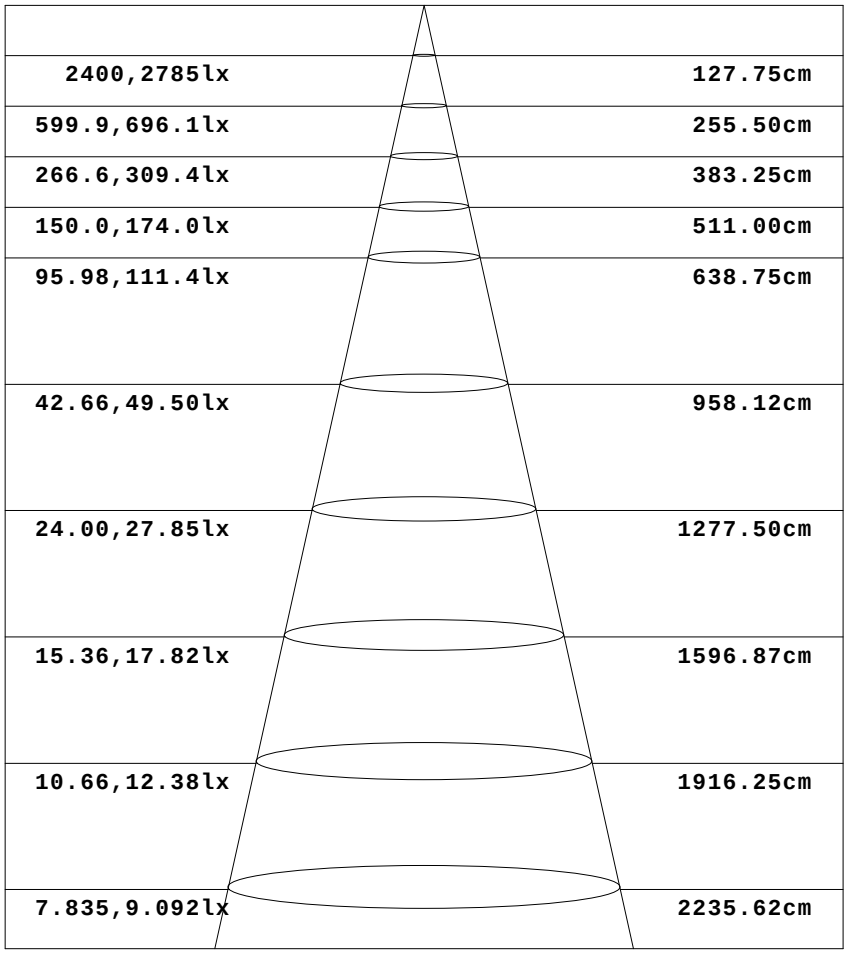
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:19 February 2023

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.5V I:1.130A P:242.3W PF:0.9726 Freq:49.90Hz Lamp Flux:33947.2x1 lm		
NAME: ITSP4240AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:3183 lm



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:19 February 2023

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.5V I:1.130A P:242.3W PF:0.9726 Freq:49.90Hz Lamp Flux:33947.2x1 lm		
NAME: ITSP4240AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1 UNIT: ×10cd

H(DEG) / V(DEG)	-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	11.8	13.8	15.3	17.1	19.1	21.7	24.5	27.9	32.1	36.8	41.2	44.9	48.0	50.4	52.4	53.9	55.1	55.9	56.3
-75	10.2	11.0	13.3	15.6	18.5	22.3	27.2	32.7	39.3	48.3	59.7	74.5	92.9	115	135	144	143	145	149
-70	10.9	13.6	16.9	21.3	27.3	34.8	43.2	54.0	68.9	87.8	115	149	191	226	234	232	237	244	246
-65	9.14	10.1	12.9	17.1	23.3	32.1	43.6	57.2	77.0	114	164	236	308	374	424	471	500	522	532
-60	9.95	13.7	19.4	28.4	41.1	57.5	77.3	112	177	266	388	493	580	640	722	778	813	823	825
-55	8.28	9.19	12.7	19.2	29.7	45.2	67.5	106	169	269	411	581	742	901	1066	1252	1416	1548	1624
-50	9.21	14.0	22.4	36.4	56.9	88.9	155	258	412	622	842	1052	1286	1563	1853	2112	2325	2439	2445
-45	7.64	8.49	12.9	21.5	36.1	59.1	98.4	191	313	492	720	953	1196	1471	1768	2056	2282	2450	2553
-40	8.58	14.6	25.4	43.4	73.7	133	275	429	657	913	1159	1444	1771	2094	2361	2526	2630	2685	2686
-35	7.07	7.90	13.2	23.8	41.4	72.7	147	313	496	714	943	1163	1404	1663	1906	2117	2248	2320	2356
-30	8.10	15.2	27.9	48.7	90.3	215	424	645	863	1061	1257	1468	1653	1812	1939	2005	2031	2034	2040
-25	6.53	7.45	13.5	25.7	45.2	86.4	219	440	668	861	1009	1139	1273	1398	1510	1594	1638	1656	1660
-20	7.74	15.7	30.0	52.9	113	310	543	777	925	1009	1074	1131	1190	1247	1272	1282	1285	1285	1285
-15	6.13	7.05	13.5	26.9	48.2	101	276	518	732	862	922	964	1005	1062	1134	1179	1201	1215	1224
-10	7.26	15.6	30.9	56.3	134	340	583	756	828	853	870	898	963	1046	1097	1127	1150	1163	1164
-5	5.89	6.62	13.2	27.4	50.3	111	290	512	689	767	794	809	834	893	984	1046	1081	1100	1115
0	6.78	15.3	31.5	57.8	142	331	523	667	722	740	756	786	857	953	1014	1045	1058	1071	1073
5	5.68	6.16	12.5	27.2	50.6	108	253	446	590	650	674	693	719	766	859	928	969	984	997
10	6.20	14.3	30.7	56.4	121	250	441	545	590	616	641	664	705	802	864	902	916	927	929
15	5.54	5.79	11.7	26.0	47.9	90.8	178	328	444	502	539	569	592	613	667	713	760	787	810
20	5.87	13.3	28.8	50.8	93.7	153	279	371	430	474	507	526	536	556	579	635	667	699	700
25	5.73	5.88	11.0	23.6	42.8	71.6	120	184	260	321	374	413	440	454	470	484	509	529	548
30	6.28	12.5	25.2	44.2	68.1	106	124	174	234	291	332	360	378	391	395	395	398	403	404
35	6.48	6.65	10.8	21.2	37.1	57.3	86.8	108	138	179	225	268	300	323	340	352	358	363	367
40	7.36	12.4	22.6	37.6	55.5	79.7	100	118	141	178	218	250	274	295	311	322	329	332	332
45	7.55	7.79	11.0	19.0	31.0	45.9	64.4	87.2	102	124	154	190	223	252	280	308	332	349	358
50	8.50	12.2	19.5	30.0	42.7	58.4	80.7	95.0	117	145	176	207	241	276	315	350	374	386	384
55	8.42	8.71	11.0	16.4	24.4	34.4	46.6	63.1	79.7	101	129	163	200	238	276	313	345	365	376
60	9.17	11.5	16.1	22.4	30.6	40.4	53.8	71.6	94.6	126	166	208	251	290	324	349	363	369	368
65	8.78	9.07	10.4	13.5	17.9	23.7	30.8	40.1	53.4	71.2	97.0	131	169	210	245	270	288	296	298
70	9.16	10.3	12.4	15.4	19.4	24.4	31.2	41.0	56.7	80.1	111	147	185	211	225	231	231	228	228
75	8.67	8.84	9.38	10.7	12.4	14.8	17.7	21.6	27.1	35.7	48.5	66.2	87.2	111	130	141	144	142	138
80	8.61	8.92	9.50	10.3	11.2	12.4	14.0	16.1	19.2	23.4	29.2	36.5	46.2	54.8	59.3	57.6	51.6	46.8	48.3
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(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:19 February 2023

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.5V I:1.130A P:242.3W PF:0.9726 Freq:49.90Hz Lamp Flux:33947.2x1 lm		
NAME: ITSP4240AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2 UNIT: ×10cd

H(DEG) / V(DEG)	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	56.5	56.1	55.4	54.3	52.7	50.3	47.0	43.0	38.4	34.0	30.3	27.0	23.9	21.3	19.1	17.0	14.5	12.2
-75	151	149	147	147	147	134	114	93.3	75.4	61.2	50.3	42.2	35.8	30.1	25.0	21.2	17.9	14.9
-70	241	238	239	237	208	169	132	101	79.3	63.0	51.5	42.4	34.1	27.1	21.9	17.7	14.2	11.7
-65	536	530	516	490	454	411	356	289	212	147	103	72.1	56.3	43.4	32.4	24.5	18.7	14.5
-60	815	784	730	652	595	518	416	292	195	127	85.5	64.8	47.8	34.1	24.4	18.0	13.6	11.3
-55	1638	1595	1488	1342	1166	995	837	684	511	350	223	141	89.1	59.5	41.0	28.0	19.5	14.0
-50	2341	2138	1889	1608	1330	1095	887	662	448	279	173	98.5	62.6	42.0	27.5	18.4	12.9	10.8
-45	2570	2511	2369	2183	1932	1635	1350	1097	858	617	403	255	142	78.5	49.3	31.4	20.1	13.4
-40	2635	2534	2388	2140	1823	1499	1211	959	693	456	292	149	79.9	48.2	29.8	18.7	12.2	10.3
-35	2364	2348	2297	2210	2048	1817	1566	1314	1082	849	609	402	228	102	56.1	33.9	20.6	12.6
-30	2047	2032	1981	1872	1713	1530	1321	1114	908	672	442	240	98.7	52.7	31.6	18.7	11.2	9.60
-25	1662	1666	1662	1642	1591	1495	1379	1251	1114	971	785	549	330	133	61.4	35.2	20.4	11.4
-20	1285	1288	1289	1278	1233	1180	1127	1059	969	811	564	331	122	55.9	31.8	17.7	9.75	8.58
-15	1225	1220	1212	1201	1179	1122	1059	1020	982	931	835	632	399	168	65.5	35.5	19.5	9.87
-10	1152	1134	1107	1062	985	920	897	888	868	793	609	369	148	58.0	31.7	16.5	8.22	7.57
-5	1119	1111	1098	1073	1027	949	873	840	826	813	765	620	404	186	67.6	35.4	18.4	8.47
0	1065	1056	1024	967	878	807	774	759	748	699	550	347	152	58.8	31.1	15.3	6.98	6.72
5	1002	995	987	958	906	819	754	722	701	685	649	546	357	172	66.6	35.1	17.5	7.47
10	922	911	874	817	728	684	659	636	613	574	473	285	132	57.0	30.8	14.6	6.32	6.21
15	816	803	786	745	707	653	620	599	572	541	499	420	262	137	62.0	34.4	16.8	7.02
20	677	649	598	577	560	548	528	497	456	401	314	177	102	52.8	29.7	14.0	6.25	6.20
25	553	542	529	504	490	475	461	441	409	363	306	238	154	98.0	54.8	32.3	16.2	7.14
30	401	401	402	398	385	368	343	304	250	186	129	107	71.4	46.4	27.4	13.8	6.81	6.61
35	368	365	361	357	348	332	312	285	249	204	161	120	99.4	69.8	46.8	28.9	15.6	7.87
40	328	320	309	292	271	246	214	176	141	118	100.0	82.4	57.2	39.3	24.3	13.6	7.95	7.63
45	359	351	334	310	281	252	224	194	162	131	109	92.5	75.5	53.6	38.3	25.0	15.0	8.96
50	368	338	300	259	222	190	162	136	112	91.6	79.6	58.2	43.7	31.5	21.1	13.4	9.21	8.69
55	377	367	347	315	276	236	197	161	130	104	83.5	69.3	52.0	39.7	29.4	20.7	14.0	9.85
60	360	345	316	278	234	189	147	112	86.6	68.6	52.5	40.4	31.4	23.5	17.2	12.5	9.93	9.43
65	298	297	292	276	251	216	173	134	99.0	73.9	56.8	44.2	34.2	27.0	21.0	16.1	12.3	10.0
70	233	233	227	212	181	141	105	74.2	53.4	39.8	31.0	24.8	20.1	16.3	13.2	11.0	9.81	9.54
75	137	142	147	145	137	119	94.4	71.8	52.3	38.7	29.7	23.9	19.7	16.6	14.0	12.0	10.5	9.52
80	54.5	61.0	62.2	57.0	47.9	37.9	30.2	24.1	19.8	16.8	14.9	13.3	12.0	10.9	10.0	9.46	9.09	8.98
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(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:19 February 2023

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks: