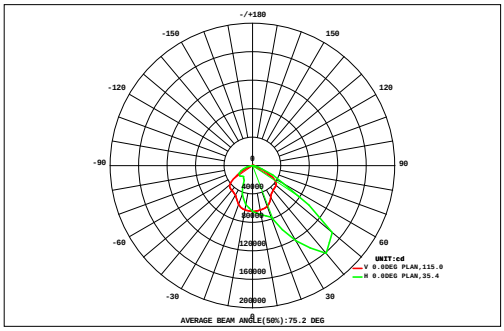
Floodlight Summary:

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	136.8V x 137.8H
	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	926.1 lumens per klm.
	To 50% of Imax	353.7 lumens per klm.
	To 90% of Imax	66.1 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.9V I:7.145A P:1500W PF:0.9502 Freq:49.90Hz Lamp Flux:203600x1 lm		
NAME: ITSP41500AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:135.78lm/W	
MODEL		Imax(cd)	161369
NOMINAL POWER(W)	1500	AVAILABILITY(%)	93.5
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	190266
NOMINAL FLUX(lm)	203600	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	203600
TEST VOLTAGE(V)	220.6	q @50%(H,V)	115,35DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG) 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	1.81	6.37	13.7	26.3	51.6	104	184	238	239	241	250	210	131	65.8	32.1	16.5	7.54	2.05	1822	0.00
70	1.65	7.53	21.0	49.4	113	236	391	501	549	558	521	405	241	117	54.6	24.5	9.27	2.00	3802	2013
60	1.78	10.2	32.1	78.3	160	293	452	604	700	707	610	436	270	152	80.5	37.0	12.6	2.24	4638	3161
50	1.82	12.8	44.1	103	184	309	445	578	660	652	553	421	300	189	106	50.7	15.9	2.37	4628	2868
40	1.84	15.3	57.4	127	252	416	540	613	639	638	604	539	426	282	152	65.5	19.1	2.42	5388	4170
30	1.91	17.8	72.6	213	441	632	755	839	926	952	893	784	657	477	271	106	22.8	2.49	8064	7514
-30	2.11	20.5	111	403	687	877	1042	1288	1468	1478	1338	1136	922	717	471	171	26.9	2.58	12162	11902
-40	2.27	22.9	161	547	861	1066	1361	1700	1826	1832	1726	1437	1114	890	618	218	29.4	2.65	15414	15234
-50	2.37	24.0	193	631	1006	1243	1579	1889	2025	2038	1917	1626	1286	1053	712	241	29.7	2.75	17497	17345
-60	2.37	23.0	195	665	1130	1455	1812	2090	2213	2208	2094	1850	1537	1240	767	233	27.5	2.87	19546	19393
-70	2.36	21.0	174	619	1206	1768	2323	2713	2874	2881	2798	2502	1994	1386	702	188	24.5	2.98	24177	24013
-80	2.27	18.9	126	477	1110	1984	2984	3848	4257	4322	4039	3290	2236	1277	521	130	22.0	3.03	30644	30419
-90	2.19	16.4	82.2	310	847	1727	2871	3995	4703	4798	4201	3054	1850	938	324	82.6	19.1	2.97	29825	29518
	2.12	13.7	52.3	180	515	1083	1800	2592	3177	3159	2569	1756	1094	519	172	52.0	16.1	2.87	18754	18283
	2.09	10.9	32.6	79.0	202	415	616	740	743	713	653	562	391	184	74.1	33.7	12.9	2.75	5467	4433
	2.10	8.68	20.4	39.6	68.0	109	173	187	184	185	180	165	107	63.0	39.7	23.1	10.3	2.65	1567	0.00
	1.21	4.17	8.15	13.3	19.7	21.9	16.3	14.3	15.6	15.2	14.6	12.4	12.4	12.7	10.5	6.94	3.80	1.08	204	0.00
F t	34.3	254	1396	4560	8852	13739	19344	24429	27200	27376	24960	20184	14568	9563	5108	1680	310	42.7	203600	---
F a	0.00	0.00	730	3568	7794	12479	18181	23707	26587	26785	24279	19055	13365	8531	4231	975	0.00	0.00	---	190266

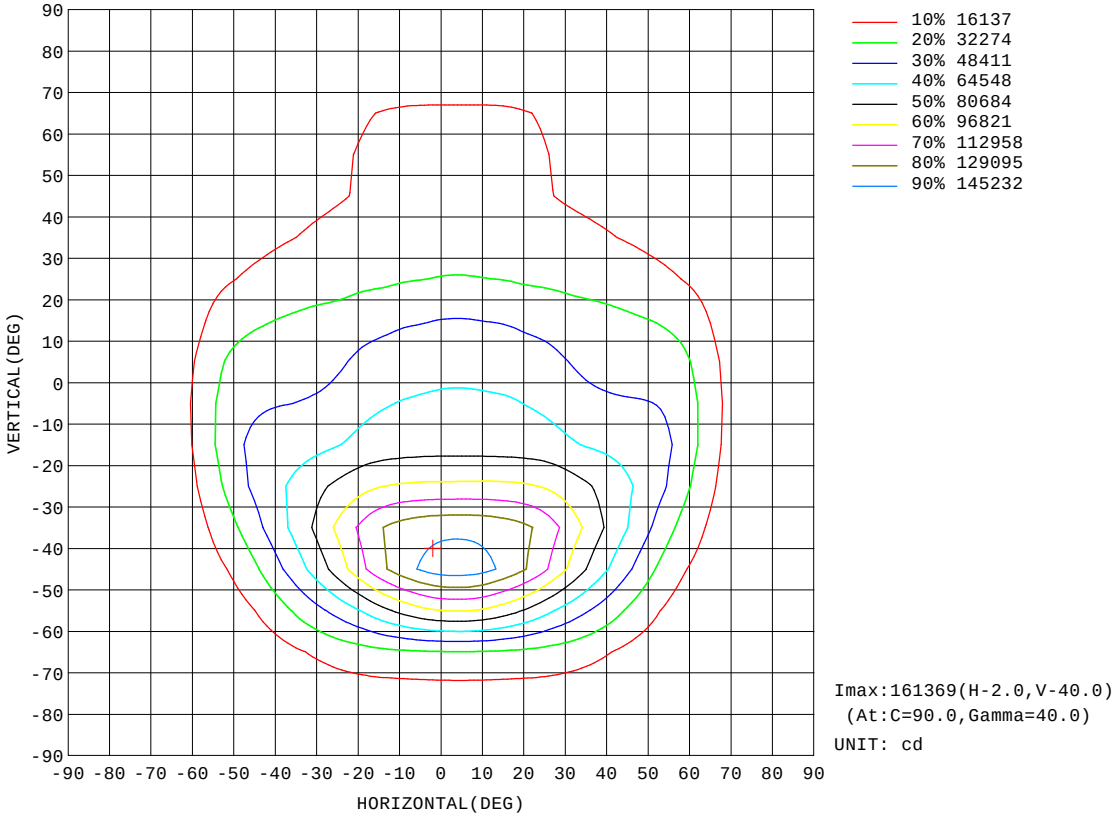
one-half-peak spread: U:16.5,D:19.2 , L:57.8,R:57.5 **NEMA Beam Type: Type 7**

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:220.9V I:7.145A P:1500W PF:0.9502 Freq:49.90Hz Lamp Flux:203600x1 lm		
NAME: ITSP41500AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

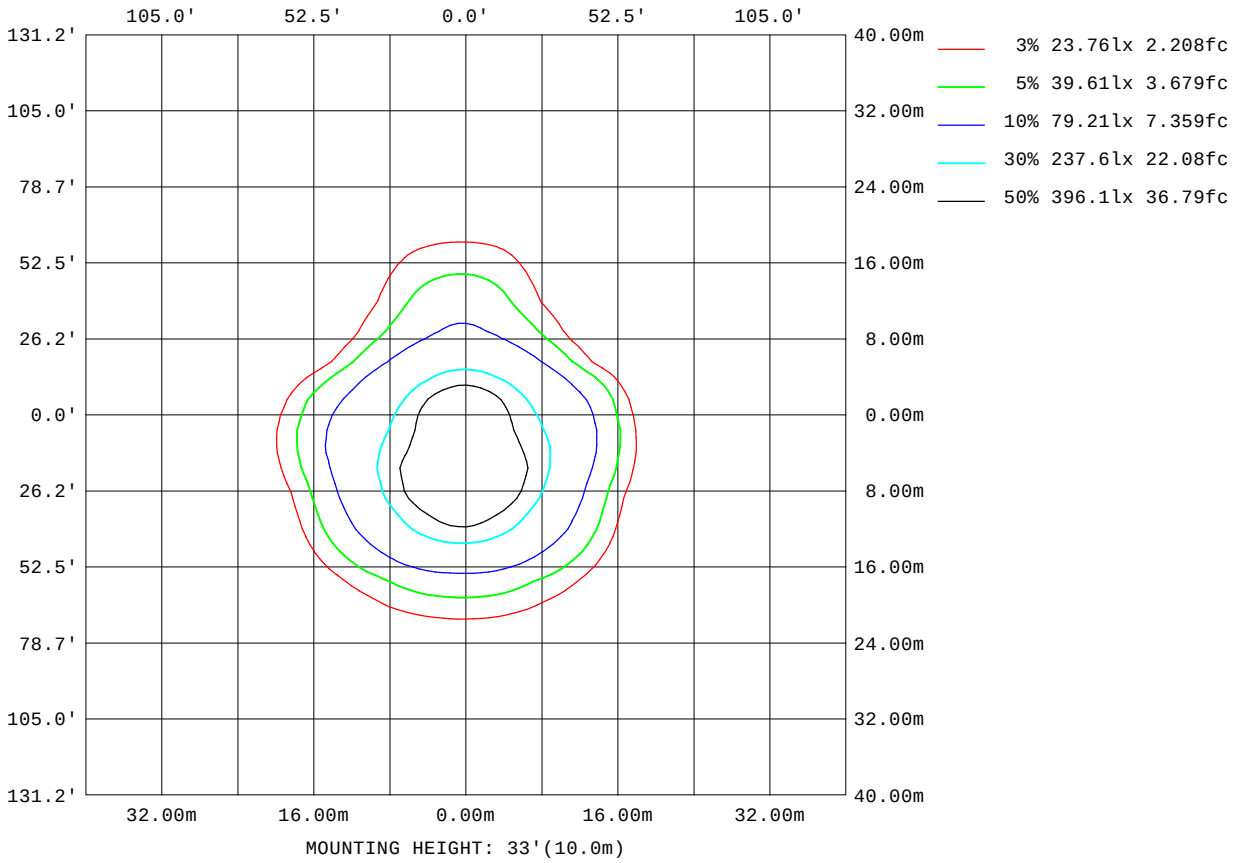


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:19 February 2023

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

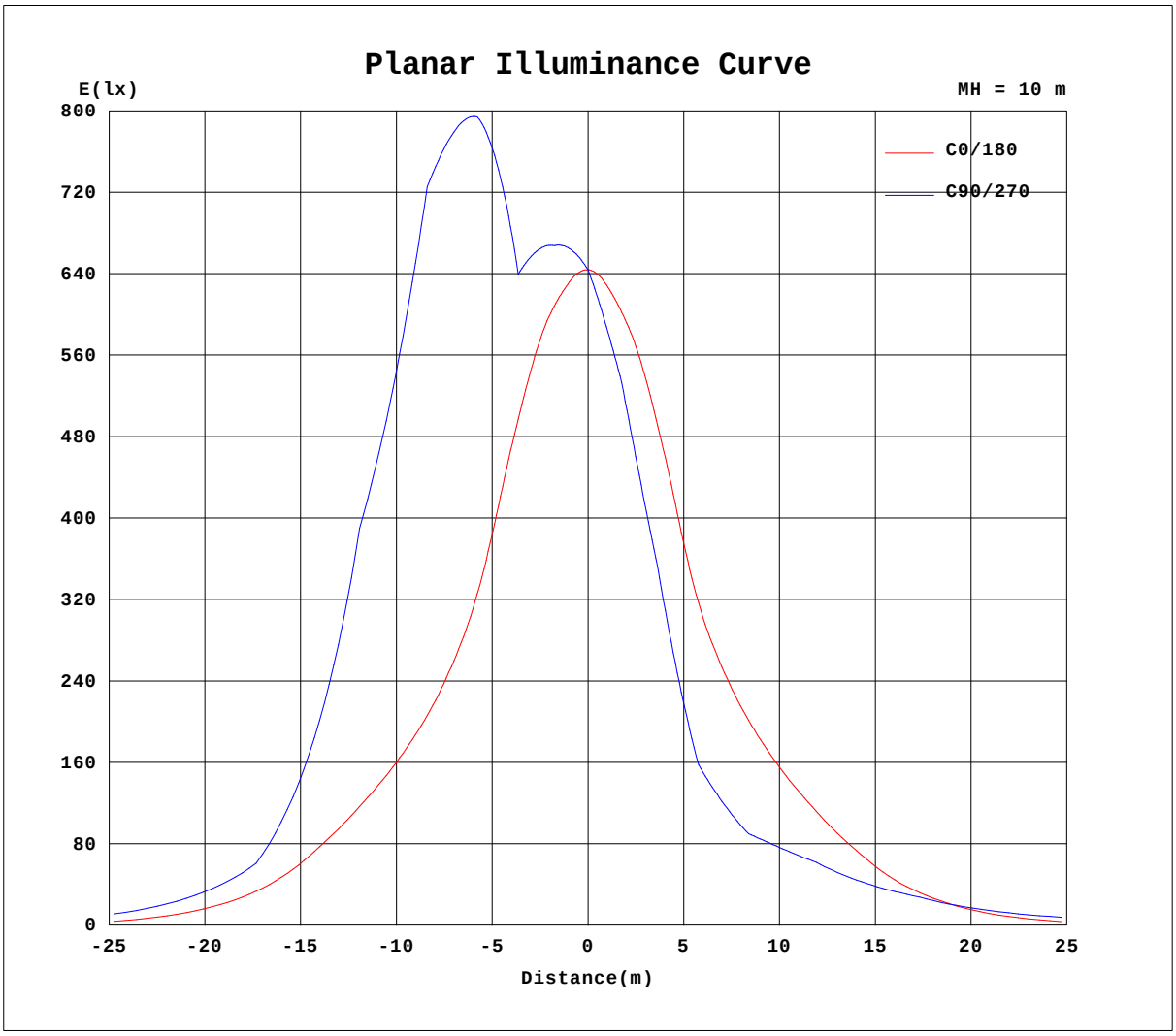
Test:U:220.9V I:7.145A P:1500W PF:0.9502 Freq:49.90Hz Lamp Flux:203600x1 lm		
NAME: ITSP41500AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



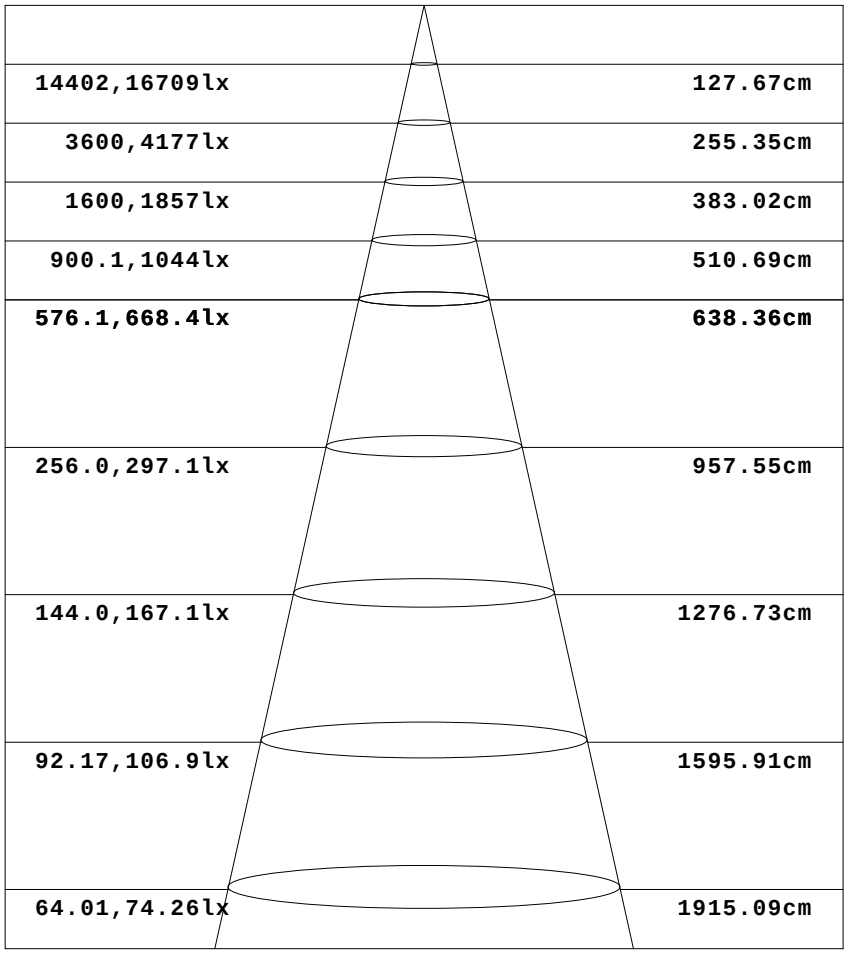
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:19 February 2023

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:220.9V I:7.145A P:1500W PF:0.9502 Freq:49.90Hz Lamp Flux:203600x1 lm		
NAME: ITSP41500AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:19106 lm



Height Eavg,Emax Angle:35.40deg Diameter

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:220.9V I:7.145A P:1500W PF:0.9502 Freq:49.90Hz Lamp Flux:203600x1 lm		
NAME: ITSP41500AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1 UNIT: ×100cd

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	6.92	8.12	9.03	10.1	11.3	12.8	14.6	16.6	19.1	22.0	24.6	26.8	28.6	30.0	31.2	32.1	32.8	33.3	33.5
-75	5.89	6.43	7.79	9.21	11.0	13.3	16.2	19.6	23.6	29.0	35.8	44.6	55.7	68.8	80.9	85.8	85.0	86.6	88.8
-70	6.39	8.04	10.0	12.7	16.3	20.9	26.1	32.4	41.4	52.7	68.8	89.5	114	135	140	138	141	145	146
-65	5.28	5.87	7.59	10.1	13.9	19.1	26.0	34.3	45.8	68.0	97.5	141	183	223	253	280	297	310	316
-60	5.81	8.04	11.5	16.8	24.4	34.2	46.3	66.4	105	158	231	294	346	381	428	461	481	488	489
-55	4.78	5.35	7.50	11.4	17.7	26.9	40.2	62.9	101	160	245	347	443	538	637	747	844	923	969
-50	5.37	8.23	13.3	21.8	33.9	53.0	92.4	154	246	372	503	630	769	935	1108	1263	1390	1459	1463
-45	4.39	4.94	7.60	12.8	21.6	35.4	58.8	114	187	295	431	571	717	881	1059	1232	1367	1467	1529
-40	5.01	8.65	15.1	25.9	44.3	79.4	164	257	394	547	695	867	1063	1256	1416	1515	1578	1610	1611
-35	4.06	4.60	7.82	14.2	24.8	43.5	87.6	187	297	428	565	698	843	998	1144	1270	1349	1392	1414
-30	4.74	9.04	16.6	29.1	54.0	128	253	386	517	637	755	882	992	1088	1164	1204	1220	1221	1225
-25	3.77	4.36	8.03	15.3	27.1	51.5	131	263	399	516	605	683	765	840	906	957	984	994	996
-20	4.56	9.37	17.9	31.7	66.9	185	325	465	554	605	644	679	714	749	764	770	771	771	771
-15	3.57	4.15	8.05	16.1	28.8	59.9	165	310	438	516	553	578	603	638	681	708	721	729	734
-10	4.30	9.30	18.5	33.6	79.7	204	349	453	496	512	522	539	578	628	658	676	690	698	698
-5	3.46	3.93	7.86	16.4	30.0	65.9	173	306	413	460	476	486	501	536	590	628	649	660	669
0	4.03	9.12	18.8	34.6	84.1	198	314	400	433	444	454	472	514	571	608	627	635	643	644
5	3.35	3.67	7.48	16.3	30.2	64.1	151	267	354	390	405	416	432	459	515	557	581	590	598
10	3.69	8.58	18.4	33.7	72.3	150	265	327	354	370	384	399	423	481	518	541	549	556	558
15	3.28	3.46	6.98	15.6	28.7	54.4	107	198	267	301	324	342	356	368	401	428	457	473	487
20	3.52	8.01	17.3	30.5	56.1	92.1	168	223	259	285	305	317	322	334	349	383	402	421	421
25	3.41	3.52	6.59	14.2	25.8	43.1	72.0	111	156	193	225	249	264	273	283	291	307	318	330
30	3.77	7.51	15.1	26.7	40.9	63.4	74.3	105	141	175	200	217	227	235	237	238	239	242	243
35	3.88	4.00	6.53	12.7	22.4	34.4	52.2	65.3	83.0	108	136	161	180	194	204	211	215	218	221
40	4.43	7.50	13.6	22.6	33.3	48.2	60.4	70.9	85.2	108	131	150	165	177	187	194	198	200	200
45	4.53	4.68	6.64	11.4	18.6	27.7	38.9	52.8	61.7	75.0	93.1	114	134	152	168	185	200	210	216
50	5.11	7.33	11.8	18.1	25.9	35.2	48.6	57.3	70.8	87.3	106	125	145	167	190	211	225	233	231
55	5.06	5.25	6.60	9.90	14.7	20.9	28.1	38.0	48.2	61.1	77.9	98.5	121	144	166	189	208	220	227
60	5.53	6.97	9.73	13.6	18.5	24.4	32.5	43.6	57.5	76.3	100.0	126	152	175	196	211	219	223	222
65	5.28	5.47	6.28	8.15	10.8	14.3	18.6	24.3	32.5	43.3	58.6	79.1	102	127	148	163	174	179	180
70	5.52	6.22	7.52	9.35	11.7	14.8	18.9	25.0	34.4	48.5	67.2	89.0	112	128	136	140	139	138	138
75	5.23	5.34	5.67	6.45	7.53	8.95	10.8	13.1	16.6	21.7	29.5	40.1	52.9	67.2	78.9	85.3	87.4	86.0	83.5
80	5.21	5.40	5.75	6.22	6.82	7.57	8.54	9.83	11.7	14.3	17.9	22.3	28.2	33.4	36.2	35.2	31.5	28.6	29.5
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(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:220.9V I:7.145A P:1500W PF:0.9502 Freq:49.90Hz Lamp Flux:203600x1 lm		
NAME: ITSP41500AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2 UNIT: ×100cd

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	33.6	33.4	33.0	32.4	31.5	30.0	28.1	25.7	22.9	20.3	18.1	16.1	14.2	12.7	11.4	10.1	8.66	7.29
-75	90.1	88.7	87.6	87.2	87.6	79.9	67.6	55.5	44.8	36.6	30.0	25.1	21.3	17.9	14.9	12.6	10.7	8.91
-70	143	141	142	141	124	100	78.2	60.3	47.5	37.5	30.6	25.2	20.3	16.1	13.0	10.5	8.47	7.00
-65	318	314	306	290	269	245	212	172	126	87.9	61.2	43.0	33.5	25.9	19.3	14.6	11.2	8.68
-60	483	464	432	387	355	308	248	174	117	75.6	51.0	38.7	28.7	20.4	14.6	10.7	8.10	6.72
-55	978	952	887	801	697	595	500	409	306	210	133	84.5	53.2	35.7	24.6	16.7	11.7	8.36
-50	1401	1279	1131	963	796	655	531	397	269	167	103	58.9	37.5	25.1	16.4	11.0	7.76	6.48
-45	1540	1504	1419	1307	1157	979	809	658	514	369	241	153	84.6	46.9	29.5	18.8	12.0	8.00
-40	1579	1519	1431	1282	1092	899	726	574	414	272	174	88.6	47.6	28.9	17.8	11.1	7.33	6.21
-35	1418	1409	1378	1325	1228	1089	939	788	648	508	364	240	136	60.5	33.5	20.3	12.3	7.50
-30	1229	1220	1189	1123	1028	918	792	668	544	402	264	143	58.9	31.4	18.8	11.1	6.67	5.72
-25	998	1000	998	986	955	897	828	751	668	582	470	328	197	79.1	36.6	21.0	12.1	6.76
-20	772	773	774	768	740	709	677	636	581	485	337	197	72.6	33.3	19.0	10.6	5.81	5.20
-15	735	732	728	721	707	674	636	612	590	559	500	379	239	100	39.2	21.3	11.6	5.89
-10	691	680	664	637	591	551	538	533	521	475	365	221	88.2	34.7	19.0	9.90	4.91	4.50
-5	671	667	659	644	616	569	524	504	495	488	459	372	242	111	40.6	21.3	11.0	5.06
0	639	634	615	580	527	484	465	456	449	420	330	208	91.3	35.2	18.7	9.14	4.17	4.00
5	601	597	592	575	544	492	452	433	421	411	390	327	214	103	40.1	21.1	10.5	4.47
10	553	547	525	491	437	411	396	382	368	344	284	172	78.7	34.3	18.4	8.73	3.78	3.73
15	490	482	473	448	425	392	373	360	344	325	299	252	158	82.0	37.3	20.6	10.0	4.20
20	408	391	360	347	337	330	318	299	274	241	188	106	61.0	31.6	17.8	8.34	3.74	3.72
25	333	326	318	303	295	286	277	265	246	219	184	143	92.5	58.8	32.8	19.4	9.68	4.28
30	241	241	242	239	231	222	206	183	150	112	77.4	64.6	43.1	27.8	16.4	8.24	4.09	4.01
35	222	220	217	214	209	199	187	171	150	123	96.6	72.1	59.6	42.0	28.1	17.3	9.38	4.73
40	197	193	186	176	163	148	129	106	84.8	71.2	60.2	49.3	34.3	23.8	14.6	8.15	4.78	4.59
45	216	211	201	186	169	152	135	117	97.8	79.2	65.7	55.9	45.3	32.2	23.1	15.0	9.02	5.39
50	222	204	180	156	134	115	97.6	81.6	67.4	55.5	48.2	35.0	26.3	18.9	12.7	8.06	5.54	5.22
55	227	221	209	190	167	142	119	97.3	78.1	62.5	50.4	41.9	31.4	23.9	17.7	12.4	8.41	5.93
60	217	208	191	168	141	114	88.9	67.6	52.2	41.4	31.7	24.5	18.9	14.1	10.3	7.50	5.98	5.68
65	180	179	176	166	151	130	105	80.6	59.9	44.6	34.3	26.7	20.7	16.3	12.6	9.68	7.42	6.05
70	141	141	137	128	110	85.3	63.4	45.1	32.3	24.1	18.8	15.0	12.1	9.84	8.00	6.63	5.92	5.75
75	83.3	86.3	89.0	88.1	83.0	72.2	57.2	43.4	31.9	23.4	18.0	14.5	12.0	10.0	8.48	7.25	6.32	5.75
80	33.3	37.2	37.9	34.8	29.2	23.2	18.4	14.7	12.1	10.3	9.05	8.07	7.25	6.58	6.07	5.72	5.49	5.43
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: