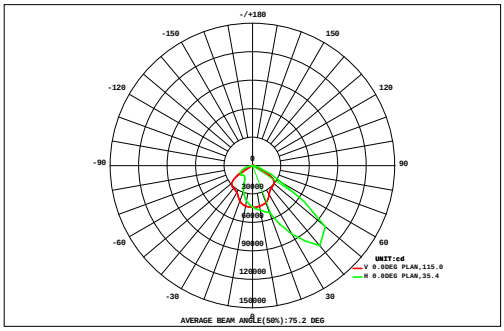
Floodlight Summary:

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:220.6V I:4.746A P:1001W PF:0.9562 Freq:49.90Hz Lamp Flux:139418x1 lm		
NAME: ITSP41000AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:139.25lm/W	
MODEL		Imax(cd)	110499
NOMINAL POWER(W)	1000	AVAILABILITY(%)	93.5
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	130287
NOMINAL FLUX(lm)	139418	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	139418
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	1.24	4.36	9.38	18.0	35.3	71.4	126	163	164	165	171	144	89.8	45.1	22.0	11.3	5.17	1.41	1247	0.00
70	1.13	5.16	14.4	33.8	77.3	162	267	343	376	382	357	277	165	80.1	37.4	16.8	6.35	1.37	2604	1379
60	1.22	6.96	22.0	53.6	110	201	309	414	480	484	418	298	185	104	55.1	25.3	8.61	1.53	3176	2165
50	1.25	8.75	30.2	70.3	126	211	305	396	452	446	379	288	205	130	72.4	34.7	10.9	1.62	3169	1964
40	1.26	10.5	39.3	87.1	172	285	370	420	438	437	414	369	292	193	104	44.9	13.1	1.66	3690	2856
30	1.31	12.2	49.7	146	302	433	517	575	634	652	612	537	450	327	185	72.5	15.6	1.71	5522	5145
-30	1.45	14.1	76.0	276	470	601	713	882	1005	1012	916	778	631	491	323	117	18.4	1.76	8328	8150
-40	1.55	15.7	110	374	590	730	932	1164	1250	1255	1182	984	763	610	423	150	20.1	1.82	10555	10432
-50	1.62	16.4	132	432	689	851	1081	1294	1387	1395	1312	1113	880	721	488	165	20.4	1.88	11981	11878
-60	1.63	15.7	134	455	774	997	1241	1431	1515	1512	1434	1267	1053	849	525	159	18.9	1.96	13384	13279
-70	1.62	14.4	119	424	825	1211	1591	1858	1968	1973	1916	1713	1365	949	481	129	16.8	2.04	16555	16443
-80	1.55	12.9	86.2	326	760	1358	2043	2635	2915	2960	2765	2253	1531	874	357	88.8	15.0	2.07	20984	20830
-90	1.50	11.3	56.3	213	580	1182	1966	2735	3221	3285	2877	2091	1267	642	222	56.5	13.1	2.03	20423	20213
	1.45	9.37	35.8	123	353	741	1233	1775	2175	2163	1759	1202	749	356	118	35.6	11.0	1.96	12842	12519
	1.43	7.47	22.4	54.1	138	284	422	507	509	488	447	385	268	126	50.8	23.1	8.83	1.88	3744	3036
	1.44	5.94	14.0	27.1	46.6	74.8	118	128	126	126	123	113	73.3	43.1	27.2	15.8	7.07	1.81	1073	0.00
	0.83	2.86	5.58	9.11	13.5	15.0	11.1	9.80	10.7	10.4	10.0	8.47	8.48	8.70	7.18	4.75	2.60	0.74	140	0.00
F t	23.5	174	956	3122	6062	9408	13246	16728	18625	18746	17092	13821	9976	6549	3498	1151	212	29.3	139418	---
F a	0.00	0.00	500	2443	5337	8545	12450	16234	18206	18341	16625	13048	9152	5841	2897	667	0.00	0.00	---	130287

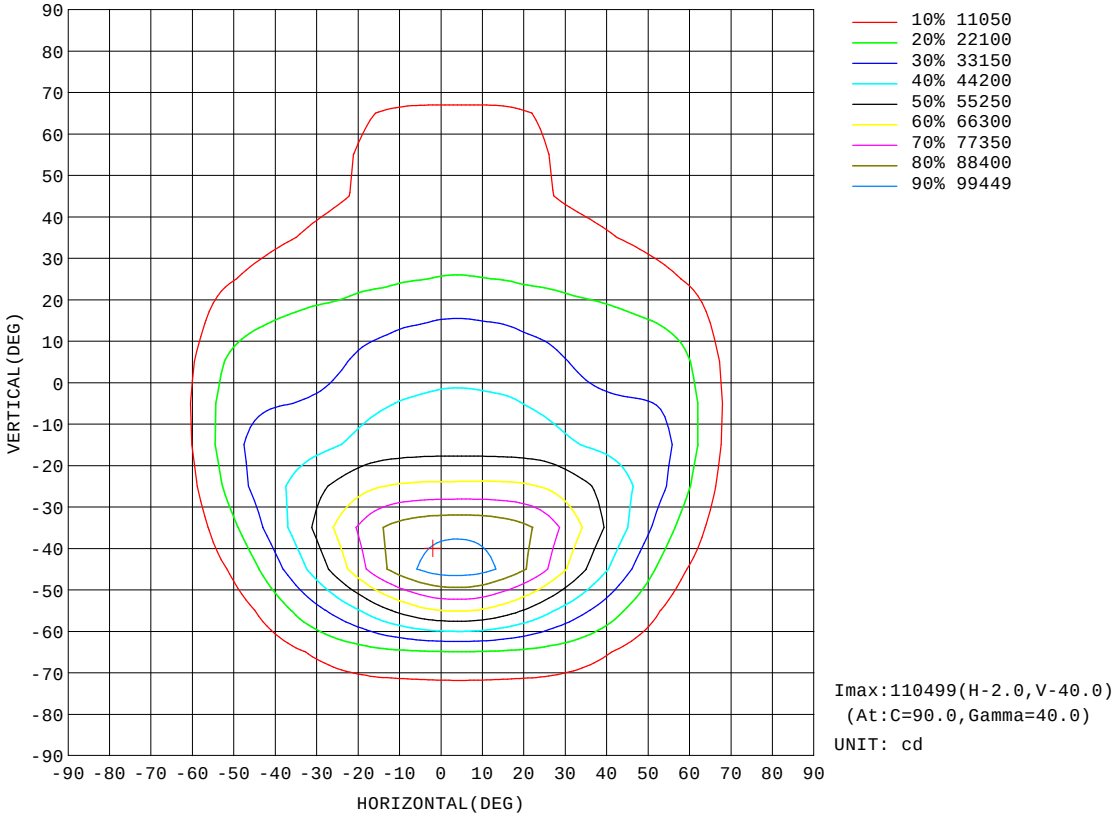
one-half-peak spread: U:16.5,D:19.2 , L:57.8,R:57.5 NEMA Beam Type: Type 7

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:220.6V I:4.746A P:1001W PF:0.9562 Freq:49.90Hz Lamp Flux:139418x1 lm		
NAME: ITSP41000AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

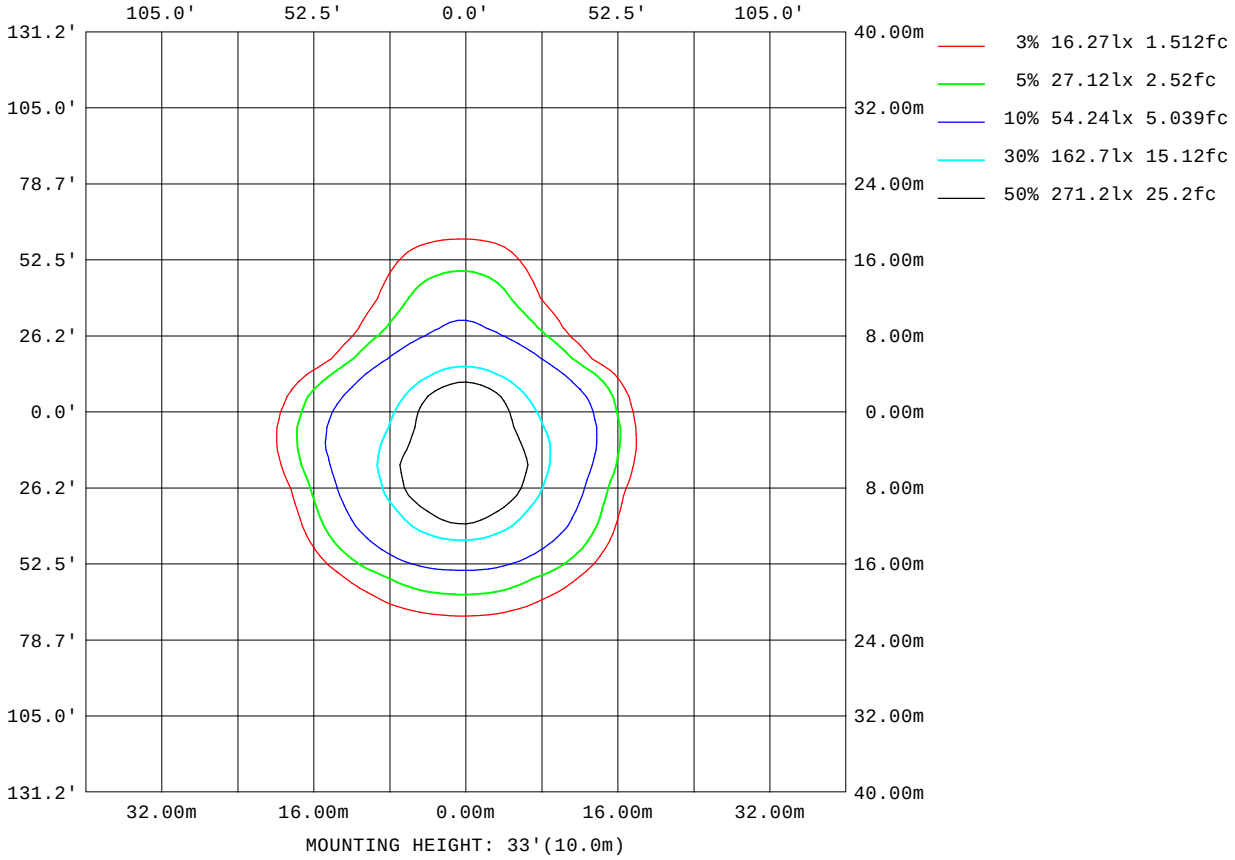


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:19 February 2023

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

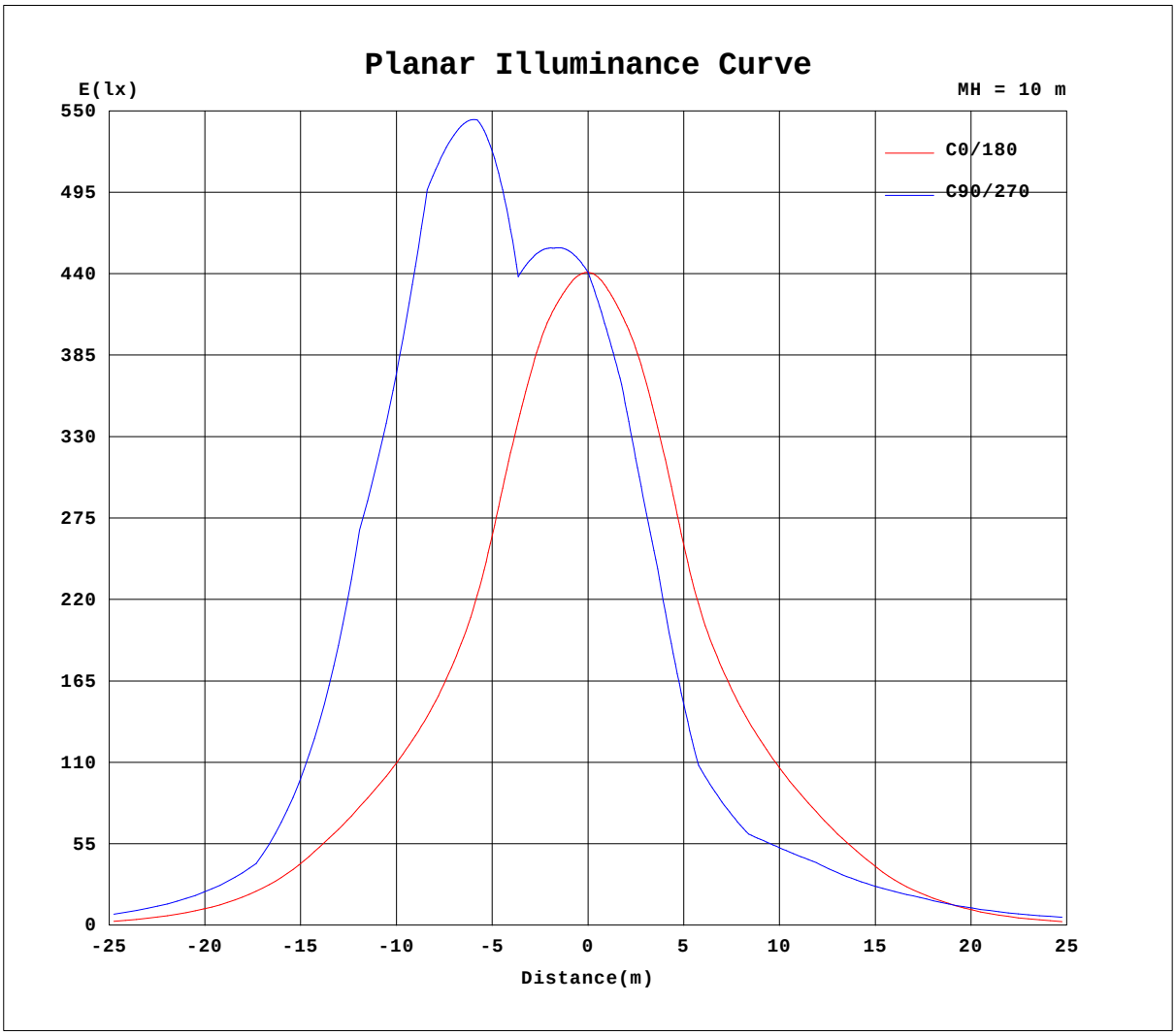
Test:U:220.6V I:4.746A P:1001W PF:0.9562 Freq:49.90Hz Lamp Flux:139418x1 lm		
NAME: ITSP41000AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



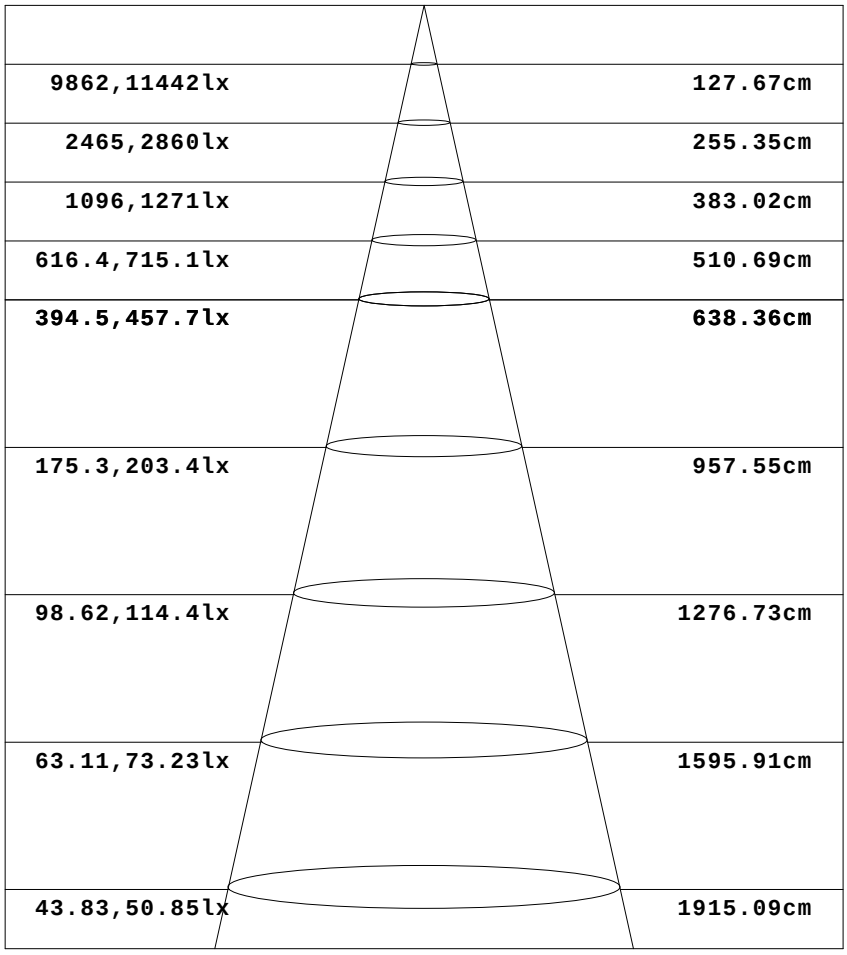
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:19 February 2023

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:220.6V I:4.746A P:1001W PF:0.9562 Freq:49.90Hz Lamp Flux:139418x1 lm		
NAME: ITSP41000AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:13083 lm



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

H(b) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(b) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Temperature:25.3DEG	Humidity:65.0%
Operators:DAMIN	Test Distance:11.900m [K=1.0000]
Test Date:19 February 2023	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:4.746A P:1001W PF:0.9562 Freq:49.90Hz Lamp Flux:139418x1 lm		
NAME: ITSP41000AS4000	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	4.74	5.56	6.19	6.90	7.72	8.79	9.99	11.4	13.1	15.0	16.8	18.3	19.6	20.6	21.3	22.0	22.5	22.8	23.0
-75	4.04	4.40	5.34	6.31	7.53	9.08	11.1	13.4	16.2	19.8	24.5	30.6	38.1	47.1	55.4	58.7	58.2	59.3	60.8
-70	4.37	5.51	6.88	8.71	11.2	14.3	17.9	22.2	28.4	36.1	47.1	61.3	78.3	92.7	95.9	94.8	96.7	99.4	100
-65	3.62	4.02	5.20	6.93	9.49	13.1	17.8	23.5	31.4	46.6	66.8	96.5	126	153	173	191	203	212	216
-60	3.98	5.51	7.87	11.5	16.7	23.4	31.7	45.5	71.8	108	158	201	237	261	293	315	330	334	335
-55	3.27	3.66	5.14	7.78	12.1	18.4	27.5	43.1	68.9	110	168	237	304	368	436	511	578	632	664
-50	3.68	5.63	9.10	14.9	23.2	36.3	63.3	105	169	255	345	431	527	640	759	865	952	999	1002
-45	3.01	3.38	5.20	8.76	14.8	24.2	40.2	77.9	128	202	295	391	491	604	725	843	936	1005	1047
-40	3.43	5.92	10.4	17.8	30.4	54.4	112	176	270	375	476	594	728	860	969	1037	1080	1103	1103
-35	2.78	3.15	5.35	9.70	17.0	29.8	60.0	128	203	293	387	478	577	683	783	870	924	953	968
-30	3.24	6.19	11.4	19.9	37.0	87.9	173	264	354	436	517	604	680	745	797	824	835	836	839
-25	2.58	2.98	5.50	10.5	18.5	35.3	89.6	180	273	353	414	468	524	575	620	655	674	681	682
-20	3.12	6.42	12.3	21.7	45.8	127	223	318	380	415	441	465	489	513	523	527	528	528	528
-15	2.45	2.84	5.51	11.0	19.7	41.0	113	212	300	354	379	396	413	437	466	485	494	499	503
-10	2.94	6.37	12.7	23.0	54.5	139	239	310	340	351	358	369	396	430	451	463	473	478	478
-5	2.37	2.69	5.38	11.2	20.6	45.2	119	210	283	315	326	332	343	367	404	430	444	452	458
0	2.76	6.24	12.9	23.7	57.6	136	215	274	297	304	311	323	352	391	416	429	435	440	441
5	2.30	2.51	5.13	11.2	20.7	43.9	104	183	242	267	277	285	296	315	353	381	398	404	410
10	2.53	5.87	12.6	23.1	49.5	103	181	224	242	253	263	273	290	330	355	371	376	381	382
15	2.25	2.37	4.78	10.7	19.7	37.2	73.3	135	183	206	222	234	243	252	274	293	313	324	333
20	2.41	5.49	11.8	20.9	38.4	63.1	115	153	177	195	209	217	221	229	239	262	275	288	289
25	2.34	2.41	4.51	9.72	17.7	29.5	49.3	75.9	107	132	154	170	181	187	194	199	210	218	226
30	2.58	5.14	10.4	18.3	28.0	43.4	50.9	71.6	96.7	120	137	148	156	161	163	163	164	166	166
35	2.66	2.74	4.47	8.71	15.3	23.6	35.8	44.7	56.8	73.8	93.0	110	123	133	140	145	147	149	151
40	3.03	5.13	9.32	15.5	22.8	33.0	41.3	48.5	58.3	73.6	89.8	103	113	121	128	133	136	137	137
45	3.10	3.21	4.55	7.82	12.8	19.0	26.6	36.1	42.2	51.3	63.8	78.3	91.8	104	115	127	137	144	148
50	3.50	5.02	8.05	12.4	17.7	24.1	33.3	39.3	48.5	59.8	72.5	85.6	99.3	114	130	144	154	159	158
55	3.47	3.59	4.52	6.78	10.1	14.3	19.3	26.0	33.0	41.8	53.4	67.5	82.7	98.5	114	129	142	151	155
60	3.79	4.77	6.66	9.30	12.7	16.7	22.3	29.8	39.3	52.2	68.5	86.0	104	120	134	144	150	153	152
65	3.62	3.75	4.30	5.58	7.42	9.81	12.8	16.6	22.2	29.6	40.1	54.2	70.1	87.0	101	112	119	122	123
70	3.78	4.26	5.15	6.40	8.04	10.1	12.9	17.1	23.5	33.2	46.0	61.0	76.5	87.4	93.0	95.6	95.5	94.3	94.5
75	3.58	3.66	3.88	4.41	5.15	6.13	7.37	9.00	11.3	14.9	20.2	27.5	36.2	46.0	54.0	58.4	59.9	58.9	57.2
80	3.57	3.70	3.94	4.26	4.67	5.18	5.85	6.73	8.03	9.80	12.2	15.3	19.3	22.9	24.8	24.1	21.6	19.6	20.2
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:220.6V I:4.746A P:1001W PF:0.9562 Freq:49.90Hz Lamp Flux:139418x1 lm		
NAME: ITSP41000AS4000	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	23.0	22.9	22.6	22.2	21.5	20.6	19.2	17.6	15.7	13.9	12.4	11.0	9.75	8.70	7.79	6.94	5.93	4.99
-75	61.7	60.8	60.0	59.7	60.0	54.7	46.3	38.0	30.7	25.1	20.5	17.2	14.6	12.3	10.2	8.63	7.30	6.10
-70	98.1	96.9	97.2	96.7	84.8	68.6	53.6	41.3	32.5	25.7	20.9	17.2	13.9	11.0	8.90	7.20	5.80	4.79
-65	218	215	209	199	184	168	145	118	86.3	60.2	41.9	29.4	23.0	17.7	13.2	9.98	7.65	5.94
-60	331	318	296	265	243	211	170	119	79.8	51.8	34.9	26.5	19.7	14.0	10.0	7.35	5.55	4.60
-55	670	652	608	548	477	408	343	280	209	144	91.4	57.9	36.5	24.5	16.8	11.5	7.98	5.72
-50	959	876	774	659	545	449	364	272	184	115	70.8	40.4	25.7	17.2	11.3	7.54	5.31	4.44
-45	1054	1030	972	895	792	671	554	450	352	253	165	104	57.9	32.1	20.2	12.9	8.25	5.48
-40	1082	1040	980	878	748	615	497	393	284	186	119	60.7	32.6	19.8	12.2	7.63	5.02	4.26
-35	971	965	943	907	841	746	643	540	444	348	249	164	92.8	41.4	22.9	13.9	8.41	5.13
-30	842	835	814	769	704	629	543	457	372	275	181	97.8	40.3	21.5	12.9	7.61	4.57	3.91
-25	683	685	683	675	654	615	567	514	458	398	322	225	135	54.2	25.1	14.4	8.31	4.63
-20	528	529	530	526	507	485	464	435	398	332	231	135	49.7	22.8	13.0	7.23	3.98	3.56
-15	503	501	498	494	484	461	435	419	404	383	342	259	163	68.5	26.8	14.6	7.97	4.03
-10	473	466	455	436	404	378	369	365	357	325	250	152	60.4	23.8	13.0	6.78	3.36	3.08
-5	460	456	451	441	422	390	359	345	339	334	314	255	166	76.1	27.8	14.6	7.53	3.47
0	438	434	421	397	361	332	318	312	307	287	226	143	62.5	24.1	12.8	6.26	2.86	2.74
5	412	409	406	394	373	337	310	297	288	281	267	224	147	70.6	27.5	14.4	7.16	3.06
10	379	375	359	336	299	281	271	262	252	236	195	117	53.9	23.5	12.6	5.98	2.59	2.55
15	336	330	324	307	291	269	255	246	236	223	205	173	108	56.2	25.6	14.1	6.87	2.87
20	279	268	247	238	231	226	218	204	188	165	129	72.5	41.7	21.6	12.2	5.71	2.56	2.55
25	228	223	218	208	202	196	190	182	168	150	126	97.9	63.4	40.3	22.5	13.3	6.63	2.93
30	165	165	165	164	158	152	141	125	103	76.5	53.0	44.2	29.5	19.1	11.2	5.65	2.80	2.74
35	152	150	149	147	143	136	128	117	102	84.2	66.1	49.4	40.8	28.8	19.3	11.9	6.42	3.24
40	135	132	127	120	112	101	88.2	72.7	58.0	48.7	41.2	33.8	23.5	16.3	9.99	5.58	3.27	3.15
45	148	145	138	128	116	104	92.2	80.1	67.0	54.2	45.0	38.2	31.0	22.0	15.8	10.3	6.17	3.69
50	152	140	124	107	91.6	78.4	66.8	55.9	46.2	38.0	33.0	23.9	18.0	13.0	8.67	5.52	3.79	3.58
55	156	152	143	130	114	97.4	81.2	66.6	53.5	42.8	34.5	28.7	21.5	16.4	12.1	8.50	5.76	4.06
60	149	143	131	115	96.6	77.9	60.9	46.3	35.7	28.3	21.7	16.8	12.9	9.68	7.08	5.14	4.09	3.89
65	123	123	121	114	104	89.2	71.6	55.2	41.0	30.6	23.5	18.3	14.2	11.2	8.65	6.63	5.08	4.14
70	96.4	96.6	93.8	87.6	75.0	58.4	43.4	30.9	22.1	16.5	12.8	10.3	8.32	6.74	5.48	4.54	4.05	3.94
75	57.1	59.1	61.0	60.3	56.8	49.5	39.1	29.7	21.8	16.0	12.3	9.91	8.19	6.87	5.81	4.96	4.33	3.94
80	22.8	25.5	26.0	23.8	20.0	15.9	12.6	10.1	8.27	7.03	6.19	5.53	4.97	4.51	4.16	3.91	3.76	3.72
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: