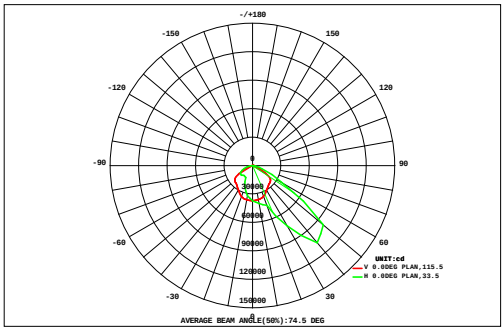
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		828.9 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	138.4V x 138.4H
	At 50% of Imax	33.5V x 115.5H
	At 90% of Imax	14.0V x 45.6H
Beam Flux	Total	998.4 lumens per klm.
	To 10% of Imax	921.9 lumens per klm.
	To 50% of Imax	344.9 lumens per klm.
	To 90% of Imax	65.6 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.8 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.9V I:4.509A P:996.2W PF:0.9935 Freq:49.98Hz Lamp Flux:128087x1 lm		
NAME: ITSP31000AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:128.58lm/W	
MODEL		Imax(cd)	106176
NOMINAL POWER(W)	1000	AVAILABILITY(%)	92.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	118690
NOMINAL FLUX(lm)	128087	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	128087
TEST VOLTAGE(V)	220	q @50%(H,V)	115,34DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM UNIT:lm																		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	0.00	0.00
80	1.12	4.08	9.17	18.8	40.6	89.9	164	209	192	187	200	160	87.5	38.6	17.6	8.69	4.01	1.17	1434	0.00
70	1.03	4.95	14.0	33.7	78.9	171	290	365	379	375	359	287	167	75.0	31.6	13.1	4.76	1.07	2651	1593
60	1.14	6.78	21.3	51.8	105	195	315	424	481	480	423	310	187	99.9	49.4	20.4	6.58	1.17	3180	2257
50	1.17	8.60	29.4	67.2	120	202	294	383	446	447	381	287	194	116	65.7	28.8	8.49	1.22	3082	1979
40	1.16	10.3	38.5	84.5	163	267	350	393	415	415	390	345	260	159	83.9	38.0	10.3	1.20	3423	2590
30	1.16	11.8	50.9	142	267	386	463	507	544	545	505	461	382	265	141	50.7	11.8	1.18	4736	4321
20	1.21	13.0	75.3	261	407	535	637	745	833	835	746	636	529	400	260	75.7	12.8	1.18	7003	6808
10	1.29	13.4	104	348	510	650	819	994	1060	1063	1001	826	646	505	349	106	13.4	1.24	9012	8861
0	1.35	13.6	120	403	599	757	948	1105	1173	1177	1112	955	754	593	403	121	13.4	1.32	10250	10115
-10	1.37	13.2	115	433	691	896	1095	1223	1284	1286	1227	1098	895	690	436	118	13.3	1.44	11517	11382
-20	1.35	12.6	97.7	399	767	1119	1458	1630	1697	1698	1638	1470	1134	774	402	98.7	12.7	1.55	14411	14273
-30	1.28	11.6	70.0	307	742	1300	2013	2482	2689	2695	2505	2050	1330	754	311	71.4	12.0	1.60	19346	19172
-40	1.23	10.3	46.8	199	584	1157	2010	2757	3176	3186	2774	2040	1172	592	199	47.3	10.9	1.60	19964	19705
-50	1.20	8.59	31.4	106	327	725	1212	1778	2137	2146	1784	1220	732	337	107	32.3	9.35	1.57	12696	12327
-60	1.22	6.79	21.3	50.0	127	300	442	537	546	538	517	425	295	128	49.6	22.0	7.50	1.54	4014	3307
-70	1.26	5.41	13.4	25.9	43.7	74.9	138	151	154	155	146	136	77.2	45.3	27.4	14.5	6.14	1.55	1218	0.00
-80	0.65	2.32	4.55	7.47	11.2	12.0	10.6	11.8	13.1	13.3	12.0	10.9	12.5	12.0	8.38	5.18	2.70	0.78	151	0.00
-90	-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL(DEG) 20 30 40 50 60 70 80 90																			
F t	20.2	157	863	2939	5583	8838	12659	15694	17220	17243	15720	12718	8855	5583	2941	872	160	22.4	128087	---
F a	0.00	0.00	218	2315	4805	7892	11991	15280	16789	16806	15301	11985	7911	4832	2323	241	0.00	0.00	---	118690

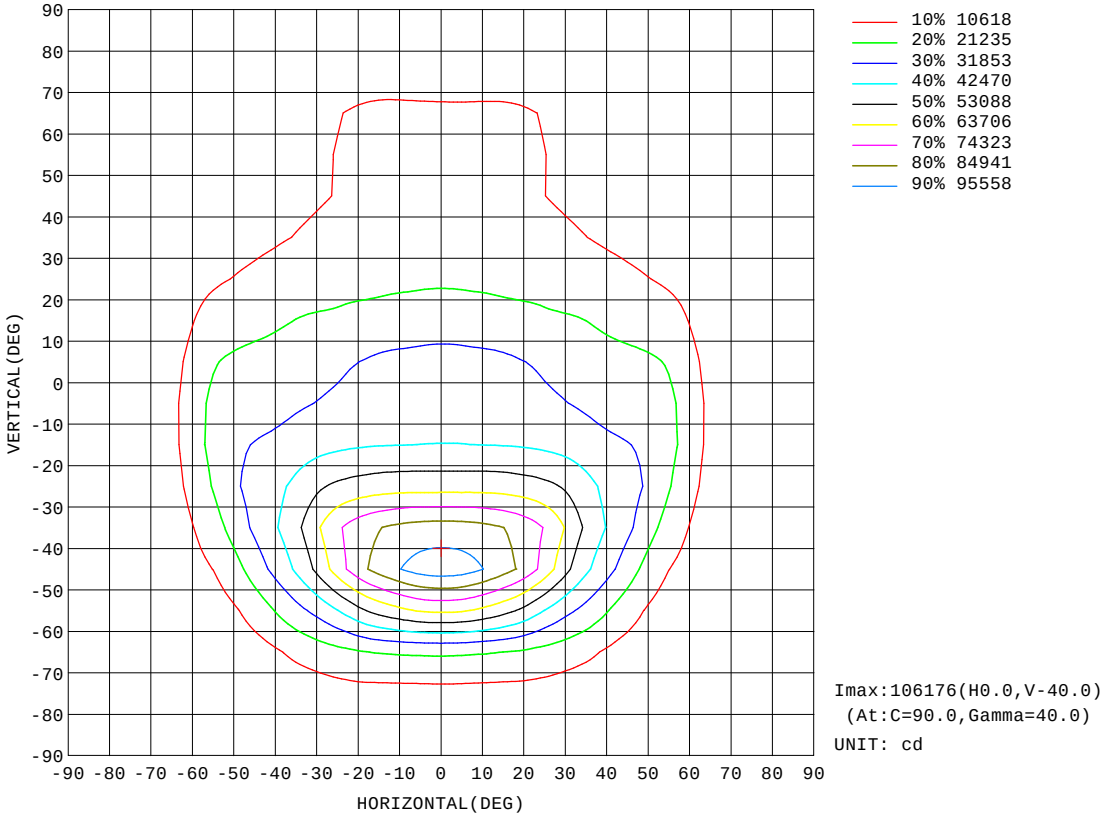
one-half-peak spread: U:16.8,D:17.0 , L:58.9,R:56.9 **NEMA Beam Type: Type 7**

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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:16.800m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.9V I:4.509A P:996.2W PF:0.9935 Freq:49.98Hz Lamp Flux:128087x1 lm		
NAME: ITSP31000AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

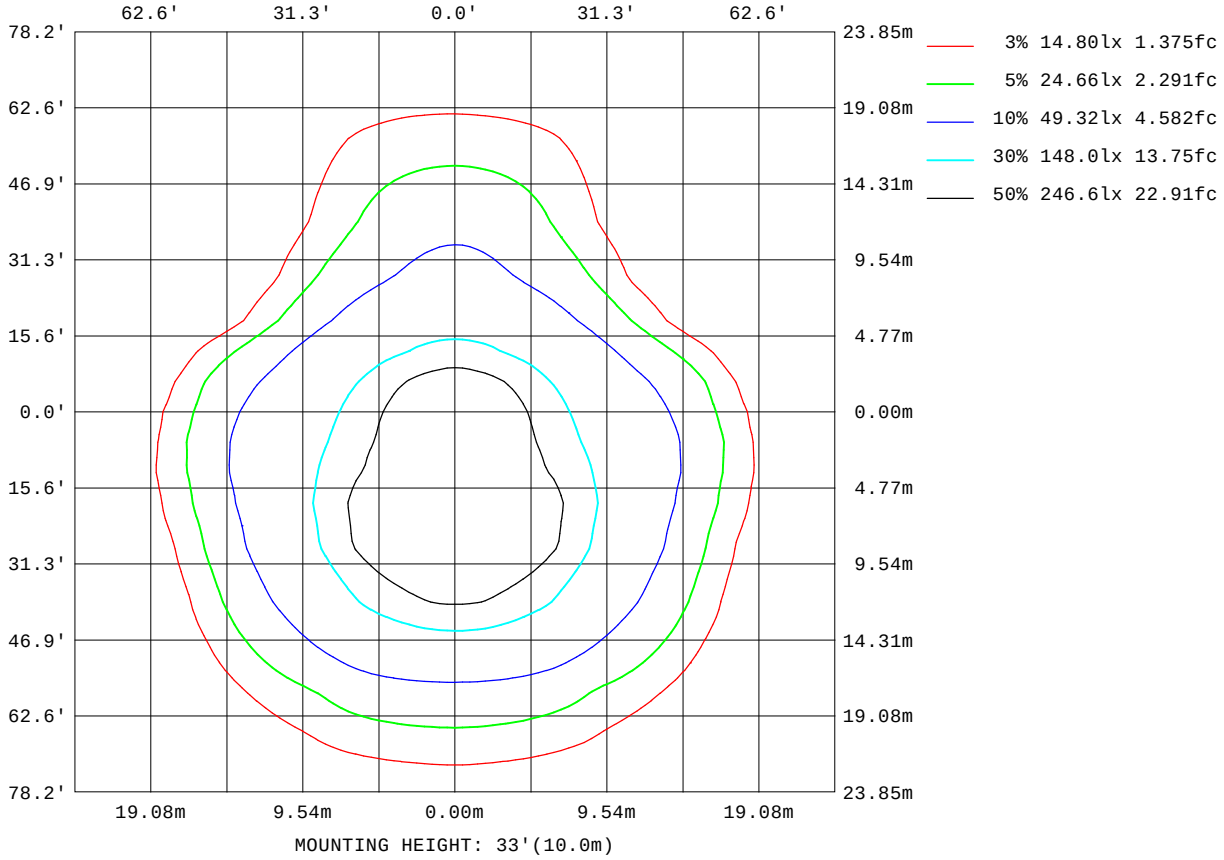


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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:16.800m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

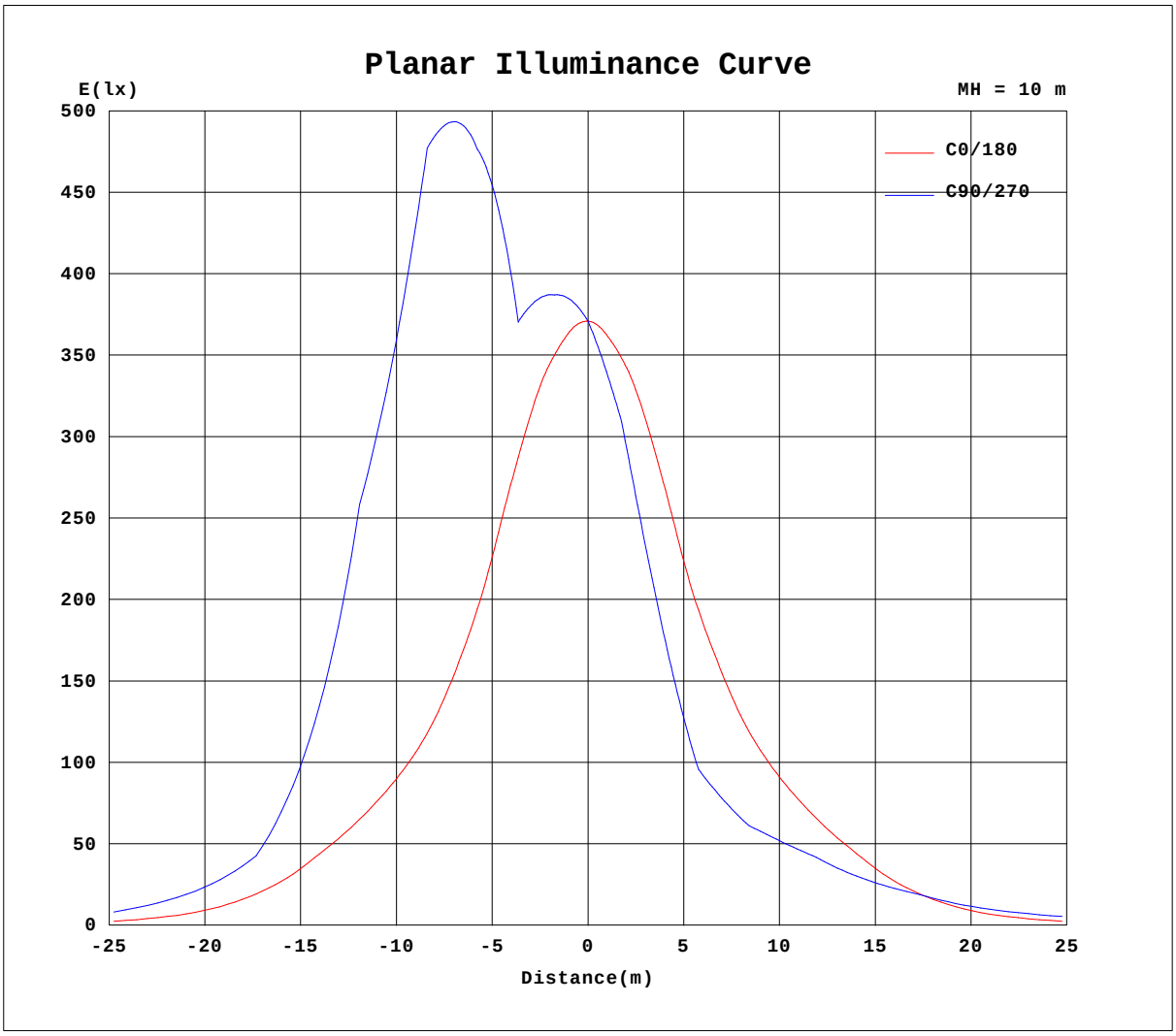
Test:U:220.9V I:4.509A P:996.2W PF:0.9935 Freq:49.98Hz Lamp Flux:128087x1 lm		
NAME: ITSP31000AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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:16.800m [K=1.0000]
Remarks:

Planar Illuminance Curve



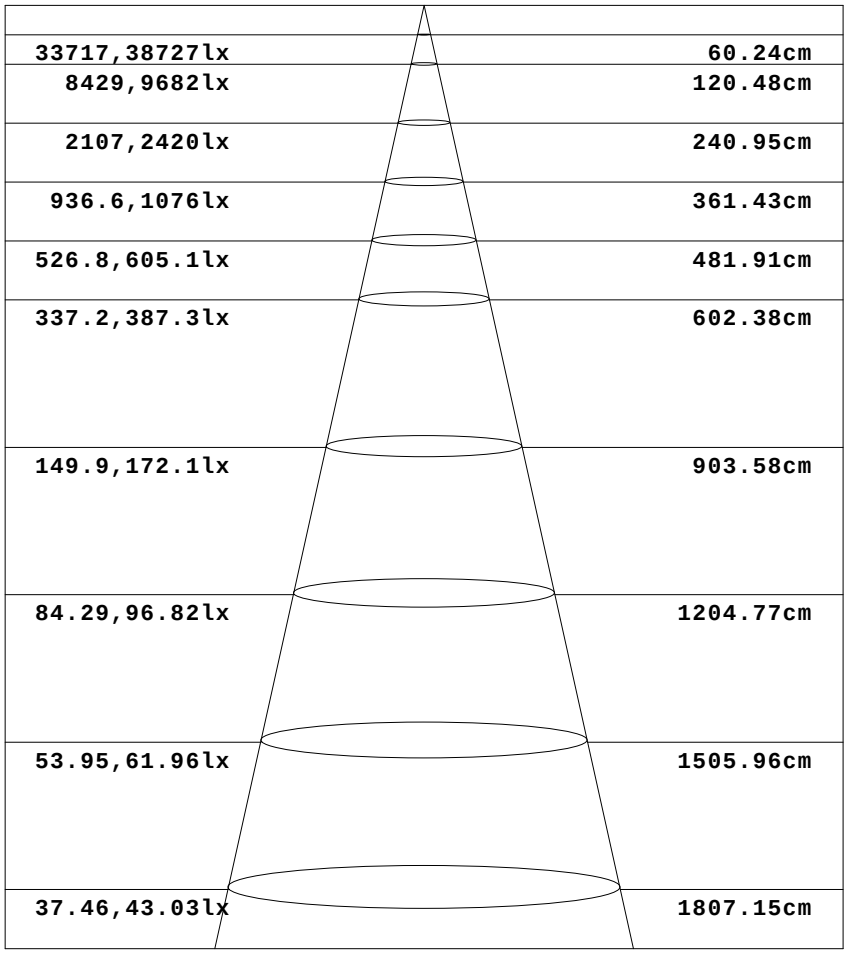
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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:16.800m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.9V I:4.509A P:996.2W PF:0.9935 Freq:49.98Hz Lamp Flux:128087x1 lm		
NAME: ITSP31000AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:9901 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:16.800m [K=1.0000]
Test Date:02 March 2020	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:4.509A P:996.2W PF:0.9935 Freq:49.98Hz Lamp Flux:128087x1 lm		
NAME: ITSP31000AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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	4.48	4.71	5.26	6.16	7.06	8.22	9.48	11.0	12.9	15.3	17.8	20.0	22.0	24.0	25.3	25.9	26.3	27.0	27.7
-75	4.25	4.53	5.30	6.79	8.40	10.6	13.0	15.8	19.7	25.0	31.8	40.9	50.8	62.0	67.9	67.3	67.8	69.0	70.6
-70	4.02	4.35	5.35	7.41	9.74	12.9	16.6	20.7	26.6	34.6	45.8	61.7	79.5	99.9	111	109	109	111	113
-65	3.82	4.21	5.52	8.27	11.7	16.4	22.0	29.5	44.5	62.8	93.4	128	156	180	203	217	224	227	228
-60	3.61	4.06	5.68	9.12	13.7	19.8	27.5	38.3	62.5	91.1	141	194	232	261	295	326	338	342	343
-55	3.44	3.95	5.95	10.1	15.8	23.7	37.2	60.2	93.5	148	217	284	348	422	504	567	612	646	658
-50	3.27	3.84	6.21	11.1	17.9	27.7	47.0	82.1	125	204	292	375	463	583	712	808	886	951	973
-45	3.13	3.78	6.60	12.0	19.8	32.5	65.3	107	171	260	350	440	554	687	807	889	952	1001	1017
-40	2.98	3.72	7.00	12.9	21.6	37.4	83.5	133	218	316	407	506	644	791	902	970	1018	1051	1062
-35	2.84	3.67	7.35	13.5	23.1	46.3	102	165	251	337	415	503	618	724	798	844	875	893	898
-30	2.70	3.62	7.71	14.0	24.5	55.3	121	198	285	358	422	501	591	656	694	719	731	734	734
-25	2.61	3.60	7.91	14.4	25.8	65.8	138	220	299	352	396	451	509	548	569	583	589	591	590
-20	2.52	3.58	8.11	14.9	27.1	76.4	156	242	314	345	371	400	428	440	445	447	447	447	447
-15	2.47	3.58	8.16	15.1	28.3	80.4	162	246	300	322	339	363	386	402	413	419	423	425	426
-10	2.43	3.58	8.22	15.4	29.5	84.5	167	249	287	299	308	326	344	363	381	392	398	403	405
-5	2.37	3.58	8.13	15.5	30.3	83.2	161	235	267	278	287	304	321	342	362	375	381	386	388
0	2.31	3.57	8.05	15.6	31.0	81.9	155	221	248	258	266	282	298	321	343	358	365	368	371
5	2.25	3.43	7.87	15.4	29.6	73.2	140	202	226	236	245	260	274	293	318	334	341	345	347
10	2.19	3.29	7.69	15.3	28.2	64.5	126	183	203	214	224	239	250	265	292	309	317	321	324
15	2.18	3.21	7.50	15.0	26.6	56.0	100	153	174	187	200	214	223	231	246	258	269	276	280
20	2.17	3.14	7.30	14.7	24.9	47.4	74.6	123	145	161	176	189	197	198	200	207	221	231	237
25	2.28	3.14	7.06	13.8	22.9	40.1	57.8	88.4	109	128	144	158	168	171	174	177	184	189	192
30	2.40	3.15	6.81	12.9	21.0	32.7	41.0	53.4	74.2	95.1	113	127	139	145	147	147	146	147	148
35	2.62	3.29	6.60	12.1	19.2	28.9	39.3	47.3	62.0	77.9	94.3	109	122	130	134	137	139	141	142
40	2.84	3.43	6.39	11.2	17.5	25.2	37.6	41.2	49.9	60.7	75.8	91.6	105	115	122	127	132	135	137
45	3.03	3.54	6.10	10.2	15.6	22.0	31.8	37.5	45.3	55.4	68.8	83.1	96.9	109	120	131	139	145	147
50	3.23	3.65	5.82	9.24	13.6	18.9	25.9	33.9	40.7	50.2	61.9	74.7	88.7	104	119	134	147	155	158
55	3.33	3.68	5.45	8.17	11.7	16.1	21.9	29.4	36.5	46.8	60.2	75.2	91.7	110	126	139	148	153	155
60	3.43	3.72	5.07	7.11	9.84	13.4	17.8	24.9	32.2	43.4	58.5	75.7	94.7	115	133	143	148	151	152
65	3.40	3.63	4.55	6.10	8.12	10.8	14.2	19.4	25.6	35.4	49.1	65.8	84.1	102	115	122	124	124	123
70	3.37	3.54	4.03	5.09	6.41	8.23	10.6	13.9	19.1	27.3	39.7	55.8	73.4	88.7	98.2	102	99.6	96.1	94.5
75	3.28	3.38	3.69	4.36	5.20	6.36	7.85	9.98	13.2	18.3	25.9	36.2	48.1	59.6	67.3	70.2	67.9	63.6	61.1
80	3.18	3.23	3.36	3.62	3.99	4.48	5.13	6.06	7.39	9.32	12.1	16.6	22.9	30.5	36.4	38.8	36.3	31.0	27.7
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:02 March 2020

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:16.800m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:4.509A P:996.2W PF:0.9935 Freq:49.98Hz Lamp Flux:128087x1 lm		
NAME: ITSP31000AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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	27.3	26.3	25.7	25.2	24.1	22.3	20.5	18.4	16.1	13.8	11.9	10.4	9.14	7.98	7.12	6.30	5.63	5.29
-75	69.3	67.2	65.7	65.5	61.2	50.9	41.5	32.8	25.7	20.5	16.6	13.8	11.4	9.24	7.70	6.43	5.56	5.17
-70	111	108	106	106	98.3	79.5	62.4	47.1	35.3	27.2	21.3	17.2	13.7	10.5	8.29	6.57	5.48	5.05
-65	226	220	212	199	176	153	127	94.2	64.1	44.8	29.7	22.4	17.0	12.4	9.13	6.83	5.40	4.93
-60	340	333	319	291	254	227	192	141	92.9	62.4	38.1	27.7	20.3	14.3	9.98	7.08	5.31	4.80
-55	648	614	566	505	423	349	287	220	152	95.4	60.4	37.7	24.4	16.5	11.0	7.37	5.28	4.70
-50	957	896	813	720	593	471	381	299	211	128	82.8	47.8	28.4	18.7	12.0	7.66	5.24	4.60
-45	1005	959	894	815	698	564	446	355	265	174	108	65.7	33.0	20.3	12.7	7.92	5.13	4.43
-40	1053	1022	975	910	804	657	512	411	320	220	133	83.5	37.6	21.9	13.4	8.18	5.03	4.26
-35	894	879	851	807	736	631	513	420	342	254	167	103	46.3	23.4	13.9	8.27	4.88	4.04
-30	735	736	727	704	668	606	515	430	364	289	201	123	55.1	24.9	14.4	8.36	4.73	3.83
-25	591	591	587	574	554	517	458	401	355	303	222	140	65.9	26.0	14.6	8.33	4.53	3.58
-20	447	447	447	445	440	429	402	372	346	317	243	156	76.7	27.1	14.7	8.30	4.33	3.33
-15	426	423	421	414	403	387	363	339	322	301	247	164	81.8	28.5	14.9	8.14	4.12	3.08
-10	405	400	394	384	366	345	324	305	297	286	251	171	86.8	29.9	15.1	7.98	3.90	2.84
-5	387	383	377	365	345	322	302	284	276	266	236	163	85.0	30.2	15.1	7.83	3.67	2.66
0	370	366	361	346	325	299	280	263	255	246	220	155	83.3	30.6	15.0	7.67	3.44	2.48
5	346	342	336	320	296	274	258	242	233	224	202	142	74.3	29.6	15.1	7.54	3.33	2.39
10	322	318	311	294	268	249	237	221	212	202	184	129	65.4	28.7	15.1	7.42	3.22	2.31
15	277	270	259	246	232	222	212	197	185	172	153	102	56.0	26.6	14.8	7.30	3.20	2.34
20	232	222	207	199	196	194	187	172	157	142	122	74.8	46.6	24.6	14.4	7.18	3.17	2.36
25	189	184	177	173	170	166	157	142	126	108	87.5	57.8	39.6	22.8	13.8	7.06	3.27	2.49
30	147	146	146	146	144	138	126	112	95.1	75.2	53.0	40.7	32.7	21.0	13.1	6.94	3.38	2.63
35	141	139	136	133	128	120	107	91.8	76.7	62.2	46.9	38.7	28.6	19.1	12.2	6.72	3.53	2.85
40	135	131	126	119	112	102	87.9	71.6	58.3	49.3	40.7	36.7	24.5	17.2	11.2	6.50	3.67	3.07
45	145	139	130	119	107	93.8	79.9	65.7	53.5	44.5	36.6	31.0	21.4	15.2	10.1	6.18	3.79	3.28
50	155	147	134	118	101	85.5	71.8	59.8	48.7	39.6	32.4	25.3	18.3	13.3	9.07	5.86	3.90	3.50
55	153	147	138	125	108	89.0	72.2	57.4	44.8	35.0	27.9	21.0	15.5	11.3	7.96	5.43	3.91	3.60
60	150	147	142	132	114	92.5	72.6	55.1	40.8	30.5	23.3	16.8	12.7	9.41	6.85	5.00	3.91	3.70
65	122	122	120	114	101	82.7	63.8	46.8	33.5	24.3	18.1	13.3	10.2	7.74	5.89	4.55	3.81	3.66
70	94.3	96.8	98.7	95.9	87.4	72.8	55.0	38.5	26.2	18.1	13.0	9.82	7.66	6.07	4.92	4.10	3.71	3.62
75	61.9	65.4	67.6	65.3	58.5	47.5	35.5	25.0	17.4	12.5	9.34	7.34	5.98	4.97	4.26	3.78	3.56	3.50
80	29.5	33.9	36.4	34.7	29.5	22.1	15.9	11.5	8.67	6.84	5.66	4.87	4.30	3.87	3.61	3.47	3.41	3.37
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:02 March 2020

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:16.800m [K=1.0000]
Remarks: