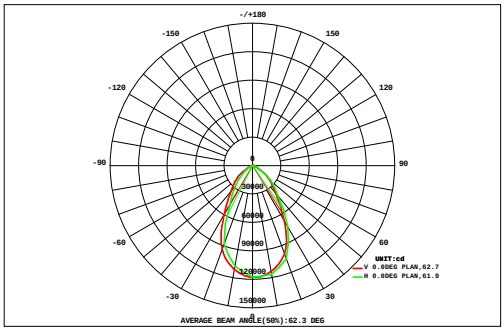
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		784.0 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	111.3V x 115.7H
	At 50% of Imax	61.9V x 62.7H
	At 90% of Imax	30.2V x 29.8H
Beam Flux	Total	999.4 lumens per klm.
	To 10% of Imax	932.0 lumens per klm.
	To 50% of Imax	549.5 lumens per klm.
	To 90% of Imax	153.7 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.4V I:4.692A P:999.0W PF:0.9663 Freq:49.90Hz Lamp Flux:150055x1 lm		
NAME: ITSP41000604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:150.21lm/W	
MODEL		Imax(cd)	117643
NOMINAL POWER(W)	1000	AVAILABILITY(%)	93.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	140527
NOMINAL FLUX(lm)	150055	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	150055
TEST VOLTAGE(V)	220.6	q @50%(H,V)	63,62DEG

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	1.03	3.34	6.36	10.0	14.1	18.4	22.3	24.7	26.6	27.0	24.7	22.4	18.6	14.2	10.1	6.38	3.37	1.03	255	0.00
70	0.81	3.35	8.79	17.7	30.1	48.9	72.8	84.7	88.1	89.1	83.4	74.6	51.7	31.1	18.2	9.16	3.51	0.82	717	0.00
60	0.80	4.52	14.8	35.7	76.0	141	213	255	269	271	258	217	147	81.5	38.4	15.8	4.90	0.85	2044	350
50	0.80	6.08	23.0	70.9	173	303	428	546	611	615	555	439	313	182	78.0	25.0	6.69	0.92	4376	3593
40	0.84	7.84	32.9	124	285	474	687	937	1103	1112	955	705	489	297	135	36.8	8.69	1.04	7391	6953
30	0.90	9.54	44.5	182	400	680	1080	1609	1938	1945	1637	1122	706	420	199	51.1	10.8	1.21	12036	11739
-30	0.98	11.0	56.1	237	534	959	1700	2565	2994	2990	2563	1744	997	558	258	63.2	12.6	1.38	18245	17999
-40	1.06	12.2	62.9	262	599	1138	2124	3007	3401	3400	3005	2152	1184	626	287	70.6	14.2	1.57	21348	21109
-50	1.16	12.9	66.1	276	627	1215	2250	3113	3531	3528	3113	2266	1250	652	298	73.8	15.0	1.72	22291	22057
-60	1.24	12.9	64.0	264	594	1123	2057	2922	3329	3326	2929	2077	1148	618	283	72.0	15.0	1.82	20839	20601
-70	1.32	12.3	58.5	234	513	912	1582	2337	2732	2734	2342	1575	917	528	247	64.5	14.4	1.88	16806	16547
-80	1.37	11.3	48.5	180	386	643	983	1426	1732	1732	1424	978	652	400	191	52.5	13.1	1.89	10855	10536
-90	1.39	9.88	37.5	122	268	445	631	822	937	935	815	628	451	276	126	39.2	11.4	1.83	6556	6050
	1.38	8.23	27.5	73.0	164	284	399	494	537	534	490	400	288	166	72.5	28.5	9.26	1.74	3978	2993
	1.35	6.60	18.6	38.6	69.0	124	182	201	189	189	199	179	121	66.5	37.5	19.3	7.18	1.60	1651	0.00
	1.28	5.14	11.7	20.9	30.9	39.4	47.3	54.7	65.4	65.9	55.4	47.1	38.1	29.9	21.0	11.9	5.37	1.43	553	0.00
	0.64	2.21	4.05	6.02	7.91	9.39	9.92	9.69	9.19	8.77	9.37	9.11	8.41	7.14	5.46	3.64	2.03	0.63	114	0.00
F t	18.3	139	586	2155	4771	8557	14470	20408	23492	23502	20459	14635	8779	4953	2307	643	158	23.3	150055	---
F a	0.00	0.00	0.00	1219	4064	7955	13839	19805	22901	22926	19903	14051	8140	4286	1437	0.00	0.00	0.00	---	140527

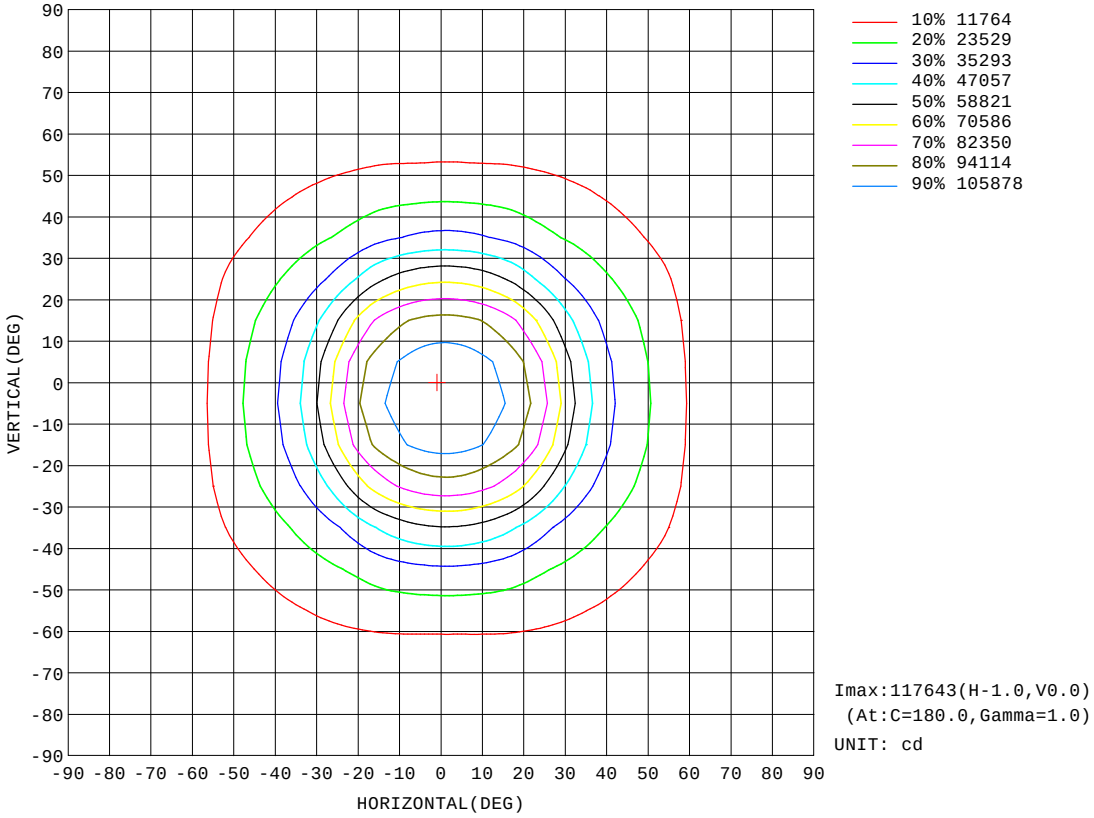
one-half-peak spread: U:35.0,D:27.2 , L:31.4,R:31.7 NEMA Beam Type: Type 6

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 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:220.4V I:4.692A P:999.0W PF:0.9663 Freq:49.90Hz Lamp Flux:150055x1 lm		
NAME: ITSP41000604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

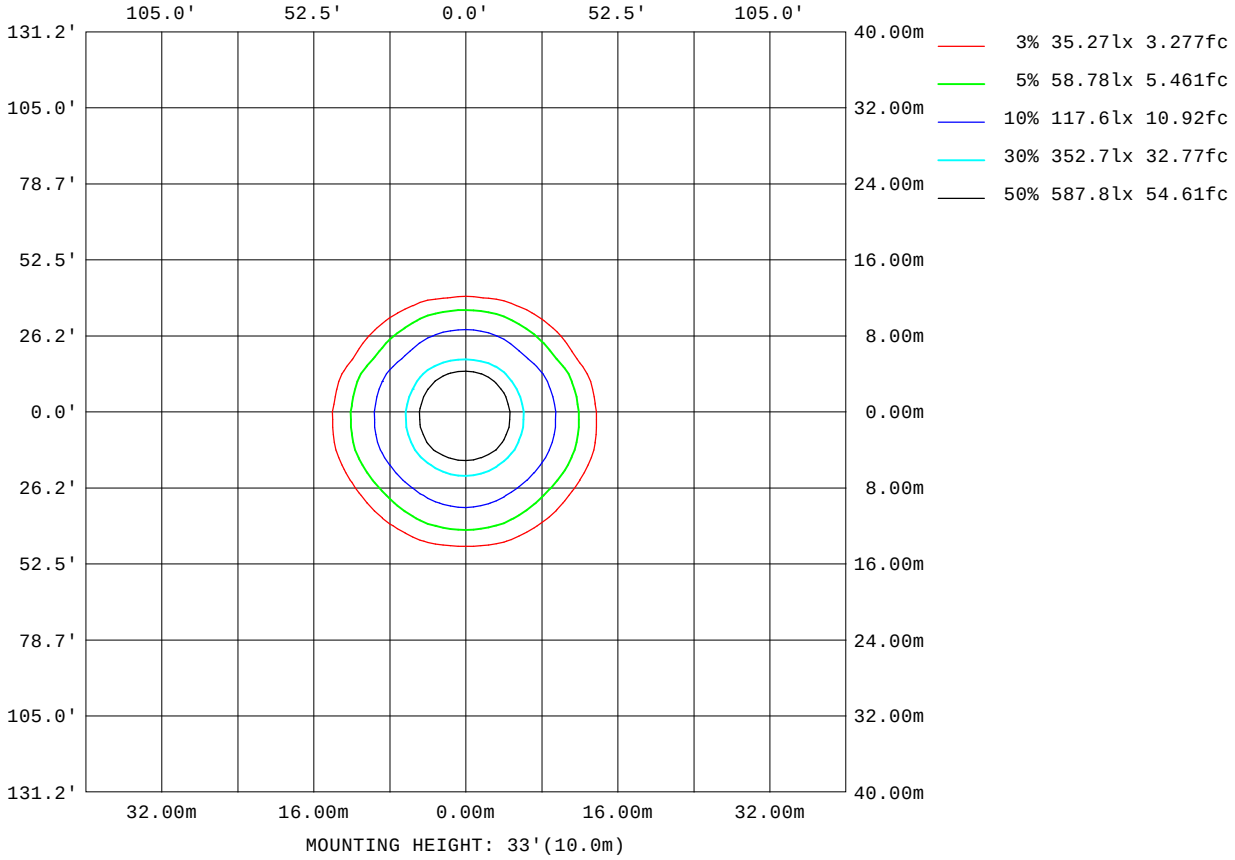


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 February 2023

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

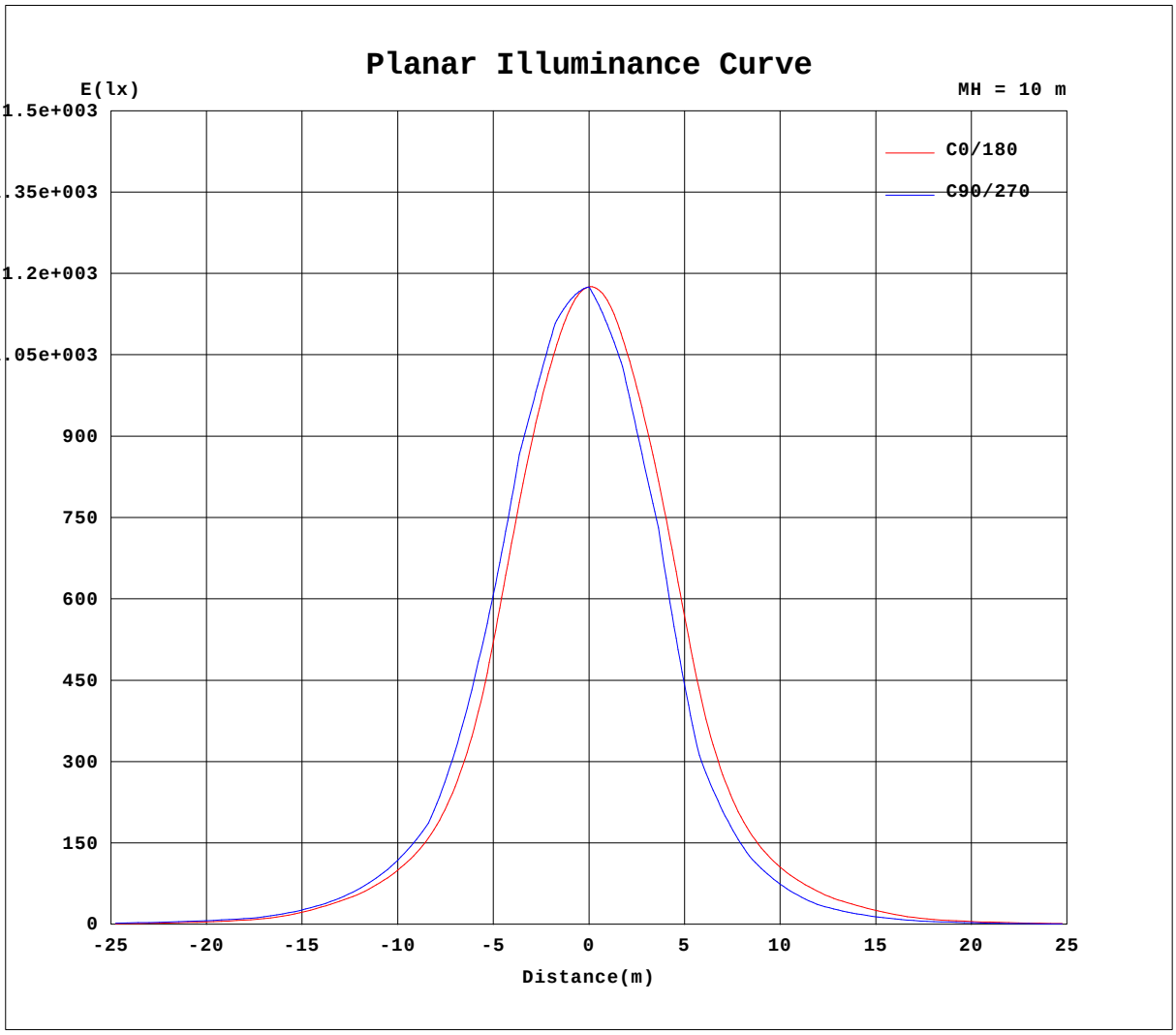
Test:U:220.4V I:4.692A P:999.0W PF:0.9663 Freq:49.90Hz Lamp Flux:150055x1 lm		
NAME: ITSP41000604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 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



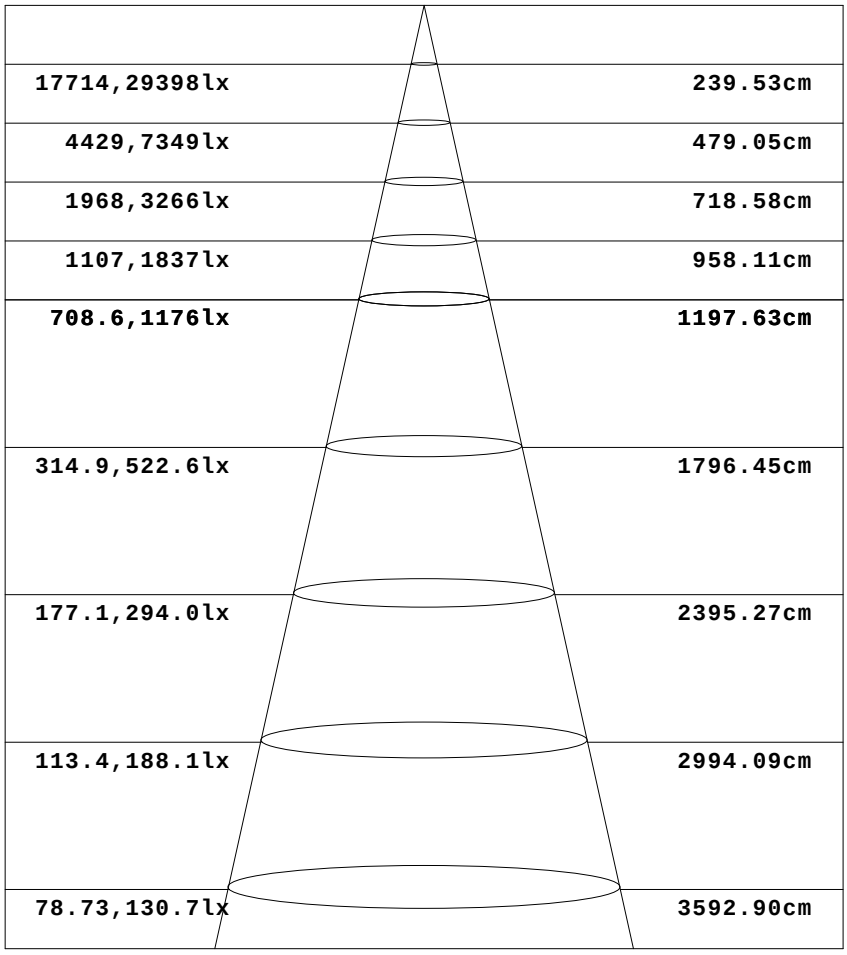
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 February 2023

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:220.4V I:4.692A P:999.0W PF:0.9663 Freq:49.90Hz Lamp Flux:150055x1 lm		
NAME: ITSP41000604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:80368 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:18 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:220.4V I:4.692A P:999.0W PF:0.9663 Freq:49.90Hz Lamp Flux:150055x1 lm		
NAME: ITSP41000604000	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	4.02	4.55	5.16	5.73	6.39	7.09	7.85	8.60	9.30	10.0	10.7	11.3	11.9	12.3	12.5	12.6	12.6	12.8	12.8
-75	3.90	4.29	5.18	6.06	7.29	8.72	10.3	12.0	13.6	15.3	17.1	18.9	20.8	22.5	23.8	24.6	25.2	26.1	27.1
-70	3.93	4.73	5.84	7.30	9.30	11.6	14.2	16.8	19.2	22.1	25.0	28.0	31.2	33.9	35.8	37.0	38.3	40.3	41.6
-65	3.79	4.30	5.62	7.39	10.0	13.3	17.1	21.8	26.3	32.2	40.9	49.6	59.0	66.7	71.7	73.5	73.7	72.5	72.0
-60	3.87	4.84	6.62	9.38	13.1	17.9	23.5	30.5	37.3	49.4	63.6	79.0	93.2	104	110	111	108	104	103
-55	3.65	4.18	5.99	8.89	13.2	18.8	26.5	37.2	52.5	69.7	89.1	108	126	142	155	167	175	178	179
-50	3.65	4.79	7.31	11.5	17.3	25.2	37.0	55.4	80.9	106	130	152	172	191	211	232	244	253	255
-45	3.40	3.92	6.24	10.5	16.3	24.8	38.1	61.1	90.7	118	147	174	201	228	257	289	312	328	336
-40	3.36	4.68	8.02	13.7	21.1	33.5	54.5	90.3	123	153	186	218	251	288	330	367	394	412	417
-35	3.10	3.58	6.39	11.9	19.0	30.7	51.7	90.8	132	168	207	247	292	345	411	479	531	566	582
-30	3.02	4.44	8.57	15.3	24.6	41.7	76.4	127	170	214	259	311	372	453	549	635	700	738	748
-25	2.77	3.18	6.41	12.9	21.1	35.8	65.2	118	172	221	274	337	418	525	653	759	831	877	896
-20	2.65	4.12	8.92	16.5	27.3	49.3	91.2	157	211	269	335	423	542	700	850	947	1005	1037	1044
-15	2.42	2.77	6.26	13.3	22.5	39.5	72.7	135	197	258	324	412	534	697	860	971	1041	1084	1103
-10	2.30	3.70	8.79	16.8	28.1	53.6	93.5	171	230	296	375	490	647	832	972	1059	1117	1152	1161
-5	2.13	2.43	6.00	13.2	22.9	41.3	74.0	141	206	270	342	444	587	770	931	1035	1103	1150	1169
0	2.04	3.41	8.54	16.5	28.0	54.2	92.9	174	234	300	383	502	665	848	986	1072	1132	1169	1176
5	1.93	2.20	5.61	12.6	21.9	39.1	71.6	135	199	261	330	424	555	727	889	997	1065	1109	1126
10	1.89	3.15	7.85	15.4	25.7	48.3	88.1	157	214	274	345	441	574	746	892	983	1038	1069	1077
15	1.85	2.09	5.14	11.5	19.6	34.2	65.1	119	178	232	291	362	456	585	730	845	918	962	979
20	1.86	3.01	7.13	13.7	22.7	41.2	79.0	135	183	235	289	351	432	543	670	773	839	874	881
25	1.89	2.10	4.66	10.1	16.9	28.6	52.3	94.6	141	181	224	270	324	392	480	566	626	665	681
30	1.95	2.86	6.09	11.5	18.6	31.4	55.9	94.2	128	161	195	229	267	308	363	412	450	474	480
35	2.03	2.19	4.15	8.35	13.8	22.1	36.8	63.7	97.2	125	156	184	214	244	281	320	350	371	381
40	2.14	2.79	5.10	9.24	14.6	22.8	36.1	61.4	88.7	114	140	163	185	207	231	255	269	279	281
45	2.26	2.37	3.74	6.60	10.6	16.1	24.5	38.2	57.9	78.7	99.7	120	139	156	172	190	201	207	211
50	2.39	2.79	4.27	6.96	10.6	15.5	21.9	30.7	44.0	60.1	76.3	93.0	106	117	127	136	138	140	142
55	2.54	2.61	3.44	5.10	7.64	10.9	15.0	20.3	27.2	36.9	47.1	59.0	70.5	80.3	87.3	92.7	94.4	94.6	97.1
60	2.69	2.93	3.70	5.10	7.07	9.44	12.1	14.9	18.0	21.8	26.9	35.0	43.4	49.7	52.5	52.2	50.3	51.1	52.9
65	2.82	2.85	3.27	4.03	5.24	6.77	8.48	10.3	12.3	14.6	17.1	21.0	25.7	30.0	32.2	32.7	32.2	32.0	33.6
70	2.95	3.05	3.33	3.83	4.56	5.42	6.31	7.27	8.24	9.12	10.1	11.0	11.8	12.4	12.8	13.0	13.4	14.2	14.7
75	3.04	3.03	3.17	3.42	3.78	4.25	4.73	5.24	5.76	6.25	6.74	7.26	7.71	8.11	8.36	8.49	8.63	8.97	9.32
80	3.12	3.11	3.18	3.27	3.37	3.46	3.55	3.61	3.68	3.75	3.83	3.91	3.98	4.04	4.07	4.09	4.08	4.09	4.09
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:18 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:220.4V I:4.692A P:999.0W PF:0.9663 Freq:49.90Hz Lamp Flux:150055x1 lm		
NAME: ITSP41000604000	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	12.7	12.6	12.6	12.5	12.2	11.8	11.2	10.6	9.90	9.24	8.55	7.84	7.05	6.36	5.76	5.32	4.88	4.39
-75	26.7	25.6	25.0	24.5	23.5	22.0	20.2	18.2	16.5	14.7	13.2	11.6	9.91	8.35	7.06	6.05	5.36	4.66
-70	39.7	38.1	37.1	35.9	33.8	30.8	27.6	24.4	21.6	18.9	16.5	14.0	11.4	9.25	7.45	6.18	5.28	4.56
-65	72.1	73.3	74.2	73.3	69.9	63.2	54.6	45.6	36.9	29.2	24.5	20.0	15.9	12.3	9.42	7.26	5.89	4.89
-60	105	110	111	109	101	89.1	74.1	59.9	45.3	35.5	29.0	22.7	17.4	12.9	9.46	7.07	5.59	4.75
-55	179	177	173	162	150	135	119	100	80.7	61.8	45.7	32.4	23.5	16.9	12.1	8.51	6.28	5.00
-50	251	242	227	206	187	168	149	124	100	75.0	50.2	34.4	23.7	16.8	11.5	7.85	5.68	4.76
-45	333	321	302	274	244	216	191	164	136	107	78.4	49.9	32.1	21.6	14.8	9.69	6.48	4.93
-40	408	387	357	316	277	244	212	181	148	117	82.1	48.7	30.8	20.5	13.6	8.42	5.61	4.65
-35	577	550	506	446	378	320	273	231	193	155	118	73.0	41.9	26.0	17.1	10.7	6.50	4.74
-30	729	681	611	520	428	356	301	251	206	164	117	67.6	37.9	23.1	15.1	8.84	5.42	4.42
-25	889	854	794	705	585	468	378	308	252	200	153	93.1	50.7	29.3	18.6	11.3	6.31	4.41
-20	1027	984	914	799	642	502	395	318	257	199	140	79.1	43.5	25.2	15.9	8.91	5.08	4.09
-15	1094	1060	1003	914	773	608	471	368	294	232	176	103	56.9	31.1	19.3	11.4	5.94	4.00
-10	1141	1097	1031	928	772	596	456	353	282	217	155	82.0	48.1	26.2	16.0	8.73	4.63	3.68
-5	1160	1124	1066	980	846	669	511	392	309	244	185	105	59.2	31.3	19.2	11.1	5.48	3.58
0	1156	1109	1041	938	784	605	462	355	283	219	156	79.9	47.7	25.5	15.5	8.17	4.16	3.31
5	1118	1084	1027	939	803	630	484	374	297	235	178	102	56.0	30.0	18.1	10.3	4.94	3.17
10	1059	1019	952	844	687	529	410	324	260	201	142	77.1	42.5	23.1	14.1	7.38	3.67	2.92
15	971	938	877	782	650	512	405	324	263	207	158	92.4	48.8	26.9	16.2	9.19	4.36	2.80
20	862	815	736	621	500	402	329	272	222	173	121	67.4	35.1	20.0	12.2	6.32	3.19	2.61
25	674	645	593	518	429	354	294	247	205	162	123	74.1	39.3	22.3	13.9	7.88	3.83	2.54
30	468	438	397	344	293	255	220	187	152	121	84.6	47.6	27.6	16.6	10.4	5.38	2.85	2.42
35	377	361	335	299	260	228	199	171	142	112	82.5	49.8	28.8	17.6	11.2	6.44	3.40	2.41
40	276	265	247	223	200	179	157	133	107	80.7	52.8	31.1	19.8	12.8	8.02	4.45	2.63	2.37
45	210	204	196	180	164	148	130	110	88.8	68.3	47.6	30.1	19.7	13.2	8.58	5.13	3.10	2.42
50	140	138	133	124	114	103	88.3	71.1	54.5	38.7	27.3	19.5	13.9	9.50	6.12	3.80	2.63	2.46
55	96.3	94.2	93.8	89.9	84.1	75.7	65.0	52.3	41.5	31.7	23.0	17.3	12.6	9.12	6.28	4.16	2.97	2.57
60	50.5	50.6	52.0	51.3	47.7	39.9	31.8	24.6	20.4	16.8	13.8	11.1	8.55	6.33	4.55	3.34	2.76	2.67
65	33.0	31.7	32.2	32.3	31.0	27.7	23.1	18.5	15.4	13.2	11.1	9.21	7.42	5.86	4.51	3.51	2.98	2.80
70	14.0	13.2	12.8	12.5	12.1	11.5	10.6	9.59	8.63	7.70	6.75	5.84	5.04	4.24	3.57	3.15	2.94	2.93
75	9.21	8.78	8.46	8.34	8.17	7.87	7.40	6.90	6.35	5.85	5.34	4.82	4.36	3.92	3.52	3.22	3.06	3.01
80	4.08	4.06	4.06	4.05	4.00	3.93	3.84	3.75	3.66	3.57	3.49	3.41	3.34	3.27	3.20	3.12	3.10	3.11
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:18 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: