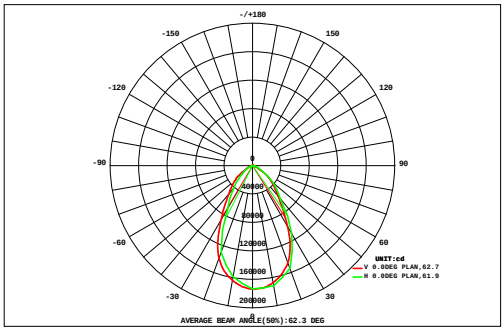
Floodlight Summary:

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:221.7V I:7.046A P:1499W PF:0.9596 Freq:49.90Hz Lamp Flux:221318x1 lm		
NAME: ITSP41500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:147.67lm/W	
MODEL		Imax(cd)	173512
NOMINAL POWER(W)	1500	AVAILABILITY(%)	93.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	207265
NOMINAL FLUX(lm)	221318	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	221318
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	1.52	4.92	9.37	14.8	20.9	27.2	32.9	36.5	39.2	39.9	36.4	33.0	27.5	21.0	14.8	9.41	4.97	1.52	376	0.00
70	1.19	4.94	13.0	26.1	44.4	72.1	107	125	130	131	123	110	76.3	45.9	26.9	13.5	5.18	1.21	1057	0.00
60	1.17	6.66	21.9	52.7	112	208	314	377	397	399	380	320	216	120	56.7	23.3	7.22	1.25	3015	516
50	1.19	8.97	34.0	105	255	447	631	805	901	907	819	647	461	268	115	36.9	9.87	1.36	6454	5300
40	1.24	11.6	48.6	183	421	699	1013	1381	1627	1639	1408	1040	721	439	199	54.3	12.8	1.54	10901	10255
30	1.33	14.1	65.6	268	591	1003	1593	2373	2858	2868	2414	1654	1042	620	294	75.4	16.0	1.78	17752	17315
-30	1.45	16.3	82.7	349	788	1415	2508	3783	4416	4411	3781	2572	1470	823	381	93.3	18.6	2.04	26910	26547
-40	1.56	18.0	92.8	387	883	1679	3133	4435	5016	5015	4432	3174	1746	923	423	104	20.9	2.31	31486	31134
-50	1.71	19.1	97.5	408	924	1792	3319	4592	5208	5204	4592	3343	1844	962	440	109	22.2	2.53	32878	32532
-60	1.83	19.0	94.4	390	876	1656	3035	4309	4910	4906	4321	3064	1694	912	418	106	22.2	2.68	30736	30384
-70	1.95	18.2	86.3	346	757	1344	2333	3447	4029	4033	3455	2323	1353	778	365	95.2	21.2	2.77	24787	24406
-80	2.02	16.6	71.6	266	569	948	1450	2104	2554	2554	2100	1443	961	590	282	77.4	19.4	2.79	16010	15540
-90	2.05	14.6	55.3	180	395	656	931	1212	1382	1379	1203	926	665	408	185	57.8	16.8	2.70	9670	8923
	2.04	12.1	40.5	108	242	418	589	729	792	787	722	590	425	245	107	42.0	13.7	2.56	5867	4414
	1.99	9.74	27.5	57.0	102	183	269	296	278	279	294	264	179	98.0	55.4	28.5	10.6	2.36	2435	0.00
	1.88	7.57	17.3	30.9	45.6	58.1	69.8	80.7	96.5	97.3	81.8	69.5	56.1	44.1	31.0	17.6	7.92	2.11	816	0.00
	0.95	3.25	5.97	8.87	11.7	13.8	14.6	14.3	13.6	12.9	13.8	13.4	12.4	10.5	8.05	5.37	3.00	0.93	168	0.00
F t	27.1	206	864	3178	7037	12621	21342	30099	34649	34663	30175	21586	12948	7306	3402	949	232	34.4	221318	---
F a	0.00	0.00	0.00	1797	5994	11733	20412	29211	33777	33813	29356	20724	12005	6322	2120	0.00	0.00	0.00	---	207265

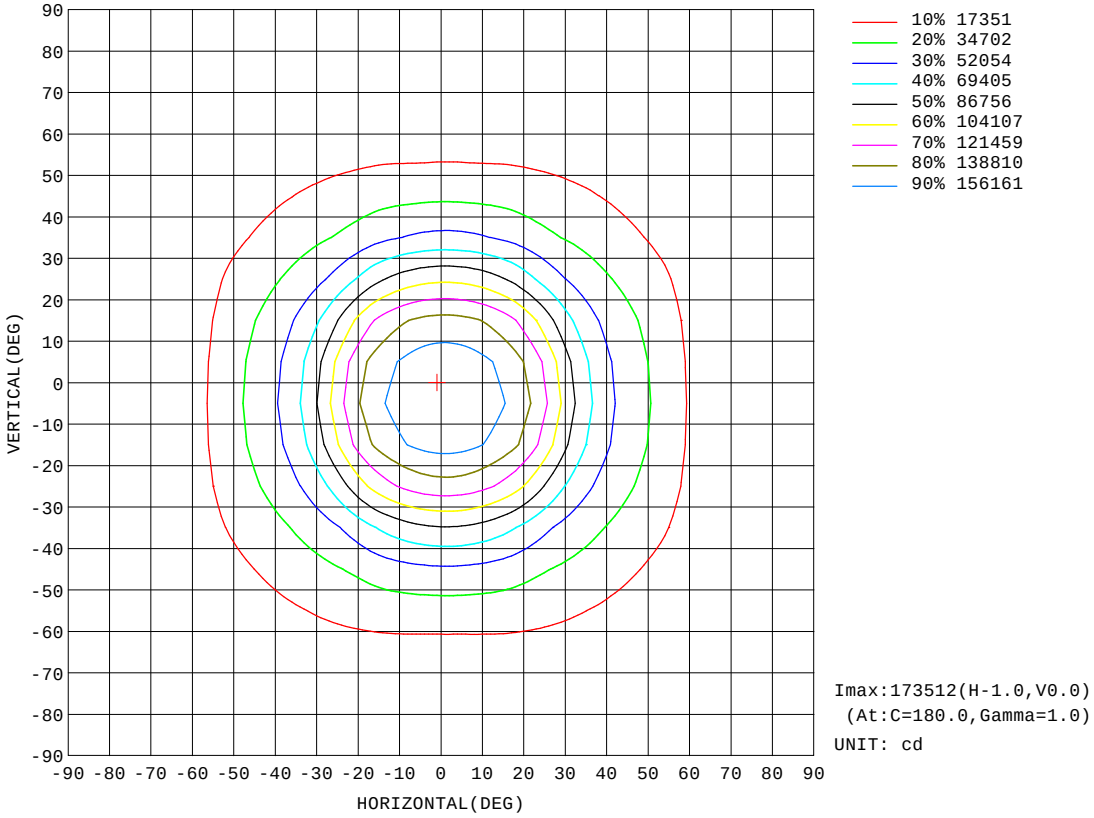
one-half-peak spread: U:35.0,D:27.2 , L:31.4,R:31.7 NEMA Beam Type: Type 6

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:221.7V I:7.046A P:1499W PF:0.9596 Freq:49.90Hz Lamp Flux:221318x1 lm		
NAME: ITSP41500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

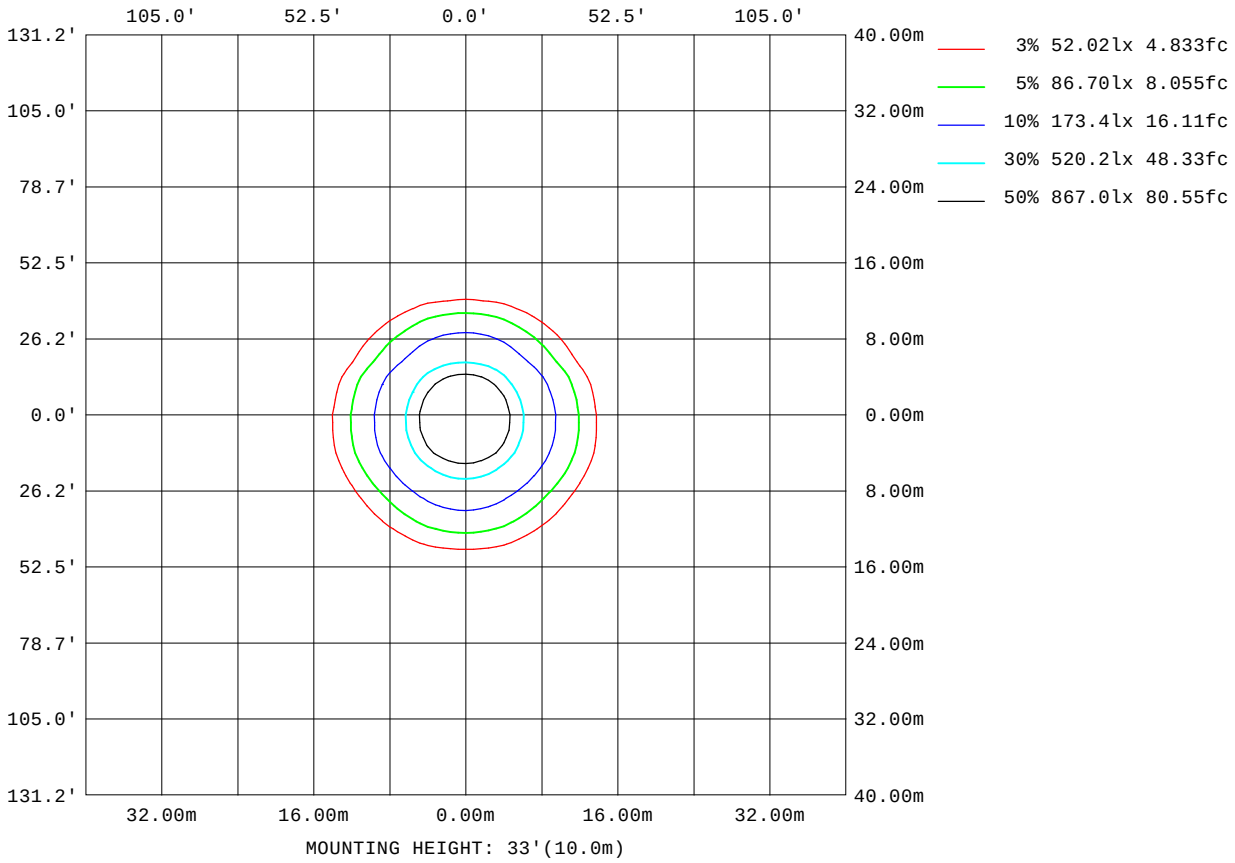


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 February 2023

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

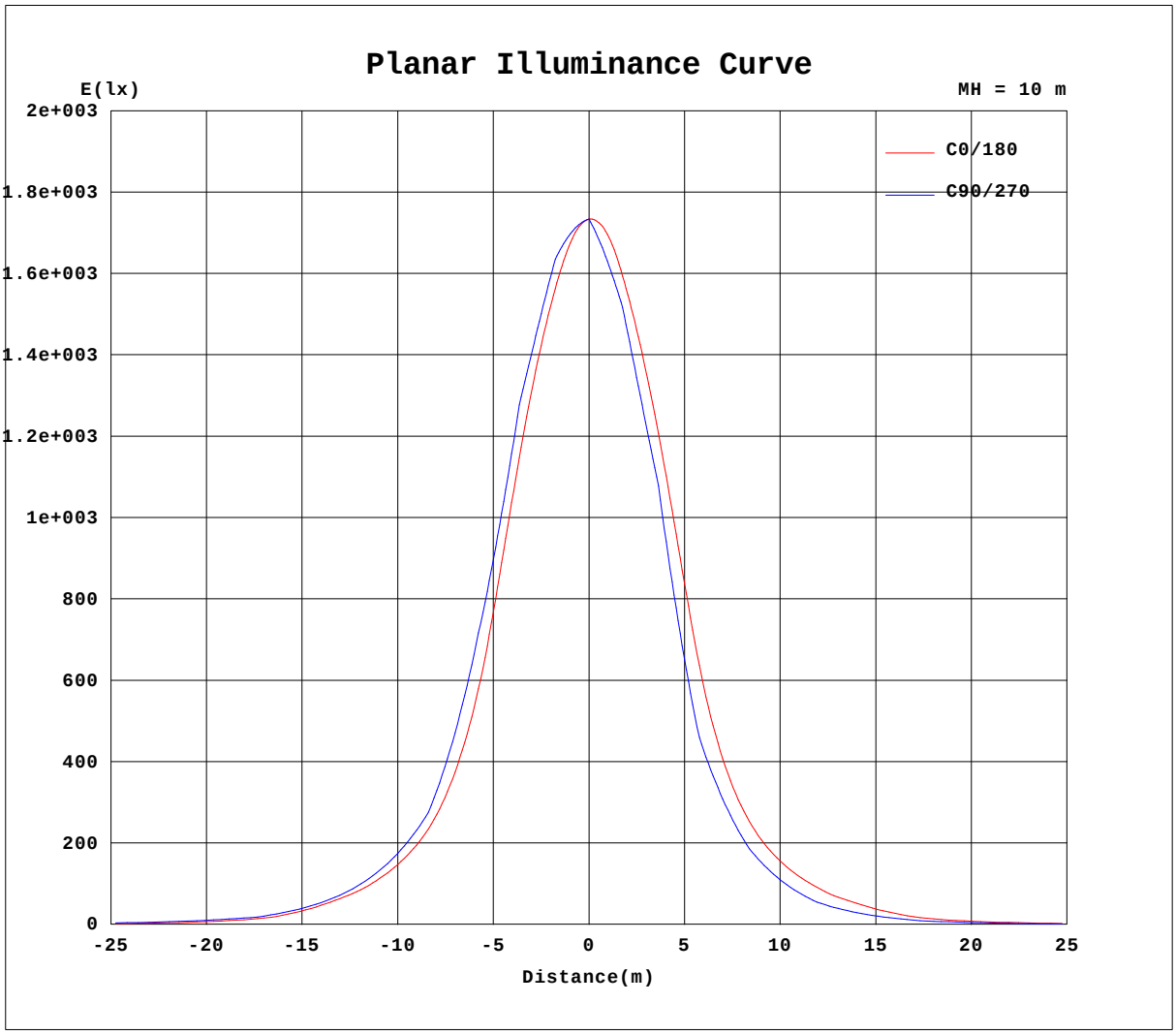
Test:U:221.7V I:7.046A P:1499W PF:0.9596 Freq:49.90Hz Lamp Flux:221318x1 lm		
NAME: ITSP41500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



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

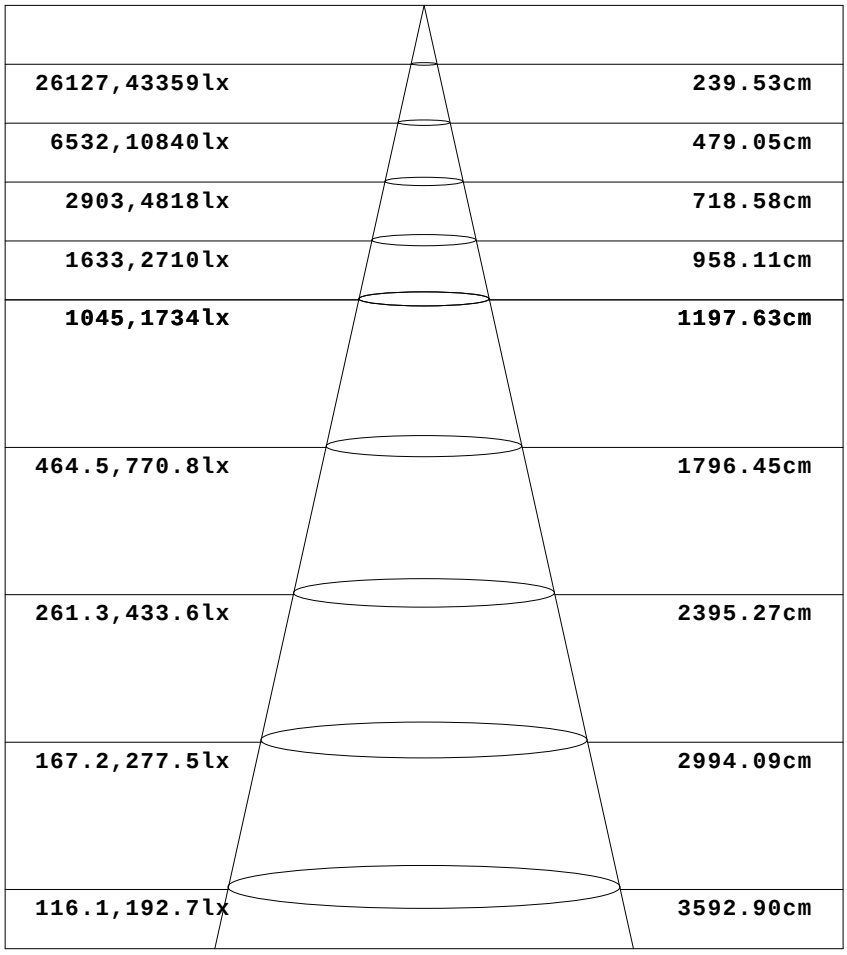


H(b) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(b) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Temperature:25.3DEG	Humidity:65.0%
Operators:DAMIN	Test Distance:11.900m [K=1.0000]
Test Date:18 February 2023	Remarks:

AAI Figure

Test:U:221.7V I:7.046A P:1499W PF:0.9596 Freq:49.90Hz Lamp Flux:221318x1 lm		
NAME: ITSP41500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:118535 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:18 February 2023	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.7V I:7.046A P:1499W PF:0.9596 Freq:49.90Hz Lamp Flux:221318x1 lm		
NAME: ITSP41500604000	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	5.92	6.71	7.61	8.45	9.42	10.5	11.6	12.7	13.7	14.8	15.8	16.7	17.6	18.1	18.5	18.6	18.7	18.8	18.9
-75	5.75	6.33	7.63	8.94	10.7	12.9	15.2	17.8	20.1	22.6	25.3	27.9	30.7	33.2	35.1	36.3	37.1	38.5	40.0
-70	5.79	6.98	8.61	10.8	13.7	17.1	20.9	24.7	28.4	32.5	36.8	41.3	46.0	49.9	52.8	54.6	56.5	59.4	61.4
-65	5.60	6.34	8.28	10.9	14.7	19.6	25.3	32.1	38.8	47.6	60.3	73.2	87.0	98.4	106	108	109	107	106
-60	5.71	7.15	9.76	13.8	19.4	26.4	34.7	45.0	55.1	72.8	93.8	117	137	154	162	163	159	153	151
-55	5.38	6.17	8.83	13.1	19.5	27.7	39.2	54.8	77.5	103	131	160	186	210	229	246	258	262	264
-50	5.39	7.06	10.8	17.0	25.4	37.2	54.6	81.7	119	156	192	225	254	282	311	342	361	373	377
-45	5.01	5.78	9.20	15.4	24.1	36.6	56.3	90.1	134	174	217	257	297	336	379	426	461	484	495
-40	4.95	6.90	11.8	20.2	31.1	49.4	80.3	133	181	226	275	322	370	424	486	542	581	607	614
-35	4.58	5.28	9.42	17.5	28.1	45.3	76.2	134	195	248	306	365	431	508	607	706	783	835	858
-30	4.46	6.55	12.6	22.6	36.2	61.5	113	187	251	316	382	459	548	668	810	937	1033	1089	1103
-25	4.09	4.69	9.46	19.0	31.1	52.7	96.2	174	254	326	404	497	617	775	964	1119	1226	1294	1321
-20	3.91	6.07	13.2	24.3	40.3	72.7	134	232	311	397	495	623	800	1032	1253	1396	1483	1530	1540
-15	3.57	4.08	9.23	19.7	33.2	58.3	107	199	291	380	477	607	788	1029	1268	1433	1535	1599	1626
-10	3.39	5.46	13.0	24.8	41.5	79.1	138	252	339	436	553	723	955	1227	1433	1562	1647	1700	1712
-5	3.14	3.59	8.85	19.5	33.8	60.8	109	208	304	399	505	655	865	1136	1373	1527	1627	1696	1724
0	3.02	5.03	12.6	24.3	41.3	80.0	137	256	345	443	565	741	981	1251	1454	1581	1669	1724	1734
5	2.85	3.24	8.28	18.5	32.3	57.7	106	199	294	386	487	625	819	1073	1312	1470	1571	1636	1661
10	2.79	4.64	11.6	22.7	37.9	71.3	130	231	315	404	509	651	847	1100	1316	1449	1532	1577	1588
15	2.73	3.08	7.58	17.0	29.0	50.5	96.1	176	263	343	429	534	673	863	1077	1246	1354	1418	1444
20	2.75	4.44	10.5	20.1	33.4	60.8	116	199	270	347	426	518	637	801	988	1141	1238	1289	1299
25	2.79	3.09	6.87	14.9	24.9	42.1	77.1	140	208	266	330	398	478	578	708	835	924	981	1004
30	2.88	4.22	8.98	17.0	27.4	46.3	82.4	139	189	238	287	337	393	455	535	608	663	699	708
35	3.00	3.23	6.13	12.3	20.4	32.6	54.2	94.0	143	185	229	272	315	360	414	473	516	547	561
40	3.15	4.12	7.52	13.6	21.5	33.6	53.3	90.5	131	168	206	240	273	305	341	376	397	411	415
45	3.33	3.50	5.52	9.73	15.7	23.7	36.1	56.3	85.3	116	147	177	204	229	254	280	296	306	312
50	3.53	4.12	6.29	10.3	15.7	22.8	32.3	45.3	64.9	88.6	112	137	156	173	187	200	204	207	209
55	3.75	3.85	5.08	7.52	11.3	16.1	22.1	30.0	40.0	54.5	69.5	87.0	104	118	129	137	139	140	143
60	3.97	4.32	5.46	7.53	10.4	13.9	17.9	22.0	26.5	32.2	39.7	51.7	64.0	73.3	77.4	77.0	74.2	75.3	78.0
65	4.16	4.20	4.82	5.95	7.73	9.98	12.5	15.2	18.1	21.5	25.2	31.0	37.9	44.2	47.5	48.3	47.5	47.1	49.5
70	4.35	4.49	4.91	5.65	6.72	7.99	9.31	10.7	12.2	13.4	14.9	16.2	17.4	18.3	18.8	19.2	19.8	20.9	21.6
75	4.48	4.47	4.67	5.04	5.58	6.27	6.97	7.73	8.49	9.21	9.94	10.7	11.4	12.0	12.3	12.5	12.7	13.2	13.7
80	4.60	4.59	4.69	4.82	4.97	5.11	5.23	5.33	5.42	5.54	5.66	5.77	5.88	5.96	6.01	6.03	6.02	6.03	6.03
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:221.7V I:7.046A P:1499W PF:0.9596 Freq:49.90Hz Lamp Flux:221318x1 lm		
NAME: ITSP41500604000	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	18.8	18.6	18.6	18.5	18.1	17.4	16.6	15.6	14.6	13.6	12.6	11.6	10.4	9.38	8.50	7.84	7.19	6.47
-75	39.3	37.8	36.9	36.2	34.7	32.5	29.7	26.8	24.3	21.7	19.4	17.0	14.6	12.3	10.4	8.92	7.91	6.88
-70	58.6	56.2	54.7	52.9	49.8	45.5	40.7	35.9	31.9	27.9	24.4	20.6	16.9	13.6	11.0	9.11	7.78	6.73
-65	106	108	109	108	103	93.1	80.5	67.2	54.5	43.1	36.2	29.5	23.5	18.2	13.9	10.7	8.69	7.21
-60	156	162	163	160	150	131	109	88.4	66.8	52.4	42.8	33.5	25.6	19.0	14.0	10.4	8.24	7.01
-55	263	261	255	239	221	199	175	148	119	91.2	67.4	47.8	34.6	24.9	17.9	12.6	9.26	7.37
-50	370	357	335	304	276	248	220	184	148	111	74.1	50.7	34.9	24.8	17.0	11.6	8.38	7.02
-45	492	474	446	404	359	319	281	242	200	158	116	73.6	47.4	31.8	21.9	14.3	9.56	7.28
-40	601	571	527	467	409	360	312	267	218	172	121	71.9	45.5	30.3	20.1	12.4	8.27	6.86
-35	851	811	746	658	557	472	403	341	284	228	173	108	61.8	38.3	25.2	15.8	9.59	6.98
-30	1076	1005	901	767	632	526	443	371	305	242	172	99.7	55.9	34.1	22.3	13.0	7.99	6.52
-25	1310	1259	1171	1040	863	691	557	454	372	295	226	137	74.8	43.2	27.5	16.7	9.30	6.51
-20	1514	1452	1349	1179	947	741	583	469	379	294	207	117	64.2	37.1	23.4	13.1	7.49	6.03
-15	1614	1564	1480	1347	1140	897	694	543	434	342	260	152	83.9	45.8	28.5	16.8	8.76	5.90
-10	1683	1618	1520	1368	1139	878	673	521	415	320	229	121	70.9	38.6	23.6	12.9	6.82	5.43
-5	1711	1657	1572	1446	1248	986	754	578	456	360	273	155	87.4	46.1	28.4	16.3	8.08	5.28
0	1706	1636	1536	1384	1156	893	682	524	417	322	230	118	70.4	37.6	22.9	12.1	6.14	4.88
5	1649	1599	1514	1386	1184	930	714	551	438	346	263	150	82.7	44.3	26.7	15.2	7.28	4.68
10	1562	1503	1404	1244	1013	781	604	478	384	297	210	114	62.6	34.1	20.8	10.9	5.41	4.30
15	1432	1383	1293	1154	959	755	597	478	388	306	233	136	72.0	39.7	23.9	13.6	6.42	4.14
20	1271	1202	1086	917	737	593	485	401	328	255	178	99.3	51.8	29.4	18.0	9.33	4.70	3.85
25	994	951	875	764	633	522	434	364	302	239	181	109	58.0	32.9	20.4	11.6	5.65	3.75
30	690	646	586	507	432	376	324	275	225	179	125	70.2	40.7	24.5	15.3	7.93	4.20	3.57
35	556	532	495	442	384	337	294	253	209	166	122	73.4	42.5	26.0	16.5	9.51	5.02	3.55
40	408	391	365	328	296	263	231	196	158	119	77.8	45.8	29.2	18.9	11.8	6.56	3.88	3.49
45	310	301	289	266	241	218	192	163	131	101	70.3	44.4	29.1	19.4	12.7	7.56	4.57	3.57
50	206	203	197	183	169	152	130	105	80.4	57.1	40.3	28.7	20.4	14.0	9.02	5.60	3.88	3.63
55	142	139	138	133	124	112	95.8	77.1	61.2	46.7	34.0	25.5	18.6	13.5	9.27	6.14	4.38	3.79
60	74.5	74.6	76.7	75.7	70.4	58.9	46.9	36.3	30.1	24.8	20.4	16.4	12.6	9.34	6.71	4.93	4.07	3.94
65	48.7	46.8	47.5	47.6	45.7	40.9	34.0	27.3	22.8	19.5	16.3	13.6	11.0	8.64	6.66	5.18	4.40	4.12
70	20.7	19.5	18.8	18.5	17.9	16.9	15.6	14.1	12.7	11.4	9.96	8.61	7.43	6.26	5.26	4.65	4.34	4.31
75	13.6	13.0	12.5	12.3	12.1	11.6	10.9	10.2	9.36	8.62	7.87	7.12	6.43	5.79	5.19	4.75	4.52	4.44
80	6.01	5.99	5.99	5.97	5.90	5.79	5.66	5.53	5.40	5.27	5.15	5.03	4.92	4.82	4.71	4.60	4.58	4.59
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: