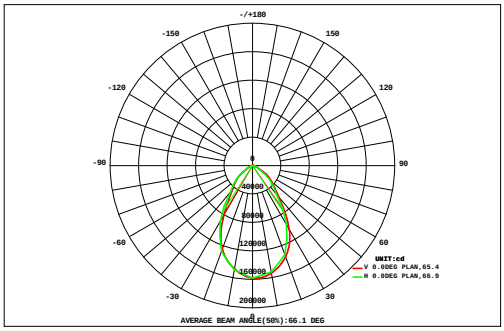
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		738.5 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	115.5V x 116.7H
	At 50% of Imax	66.9V x 65.4H
	At 90% of Imax	28.3V x 29.9H
Beam Flux	Total	1000.4 lumens per klm.
	To 10% of Imax	937.5 lumens per klm.
	To 50% of Imax	564.9 lumens per klm.
	To 90% of Imax	137.3 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.8V I:6.776A P:1496W PF:0.9937 Freq:49.99Hz Lamp Flux:214262x1 lm		
NAME: ITSP31500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:143.21lm/W	
MODEL		Imax(cd)	158242
NOMINAL POWER(W)	1500	AVAILABILITY(%)	94.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	201518
NOMINAL FLUX(lm)	214262	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	214262
TEST VOLTAGE(V)	220	q @50%(H,V)	65,67DEG

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	1.45	4.96	10.8	19.6	30.9	44.6	59.3	68.8	75.3	77.9	68.8	59.8	46.6	32.1	20.1	11.2	5.18	1.46	639	0.00
70	1.15	5.39	16.0	35.6	65.9	119	180	216	218	213	207	188	133	73.3	37.9	17.2	5.87	1.20	1733	0.00
60	1.19	7.49	26.3	68.9	159	308	456	551	576	583	564	472	316	175	79.6	29.2	8.35	1.31	4383	2340
50	1.26	10.1	40.1	133	327	549	792	1013	1160	1173	1037	813	563	340	153	46.3	11.4	1.48	8161	7465
40	1.37	12.7	57.0	219	493	806	1224	1658	1971	2001	1734	1293	844	511	243	67.0	14.3	1.69	13150	12722
30	1.50	15.1	75.1	296	647	1117	1879	2733	3264	3283	2809	2003	1193	673	321	86.2	17.2	1.94	20416	20089
20	1.66	17.3	89.8	350	765	1420	2579	3652	4182	4196	3693	2685	1518	794	374	99.6	19.9	2.19	26437	26136
10	1.81	19.1	99.1	385	847	1663	3021	4071	4604	4627	4116	3103	1751	874	408	109	21.9	2.43	29723	29432
0	1.97	20.2	103	396	864	1717	3062	4111	4665	4678	4153	3133	1750	878	410	111	22.5	2.61	30076	29783
-10	2.08	19.8	97.0	369	801	1535	2717	3749	4288	4302	3811	2772	1522	807	380	105	22.0	2.73	27301	27007
-20	2.14	18.7	87.7	323	690	1232	2089	2956	3462	3482	2982	2051	1186	688	330	92.2	20.6	2.76	21695	21375
-30	2.15	16.9	72.9	253	539	899	1378	1875	2213	2204	1836	1319	867	537	255	73.1	18.7	2.72	14362	13961
-40	2.12	14.7	55.1	169	360	591	846	1056	1170	1157	1025	818	575	359	159	52.7	15.8	2.59	8428	7757
-50	2.06	11.9	38.7	96.8	205	351	509	627	671	662	605	496	348	195	86.8	37.5	12.6	2.42	4958	3451
-60	1.99	9.30	25.6	52.7	86.7	149	217	237	225	223	229	202	135	75.2	47.3	24.5	9.48	2.22	1951	0.00
-70	1.92	7.30	16.2	28.3	42.5	55.0	62.7	67.5	77.6	78.0	68.6	57.8	47.9	38.9	26.5	15.1	7.14	2.03	701	0.00
-80	0.98	3.29	5.82	8.14	10.5	12.4	13.2	12.6	12.5	11.3	12.0	11.1	9.53	7.85	6.29	4.52	2.72	0.92	146	0.00
-90																				
F t	28.8	214	916	3202	6932	12567	21084	28653	32837	32950	28948	21477	12806	7059	3338	980	236	34.7	214262	---
F a	0.00	0.00	101	2128	6025	11727	20253	27790	31943	32101	28170	20723	11947	6212	2260	139	0.00	0.00	---	201518

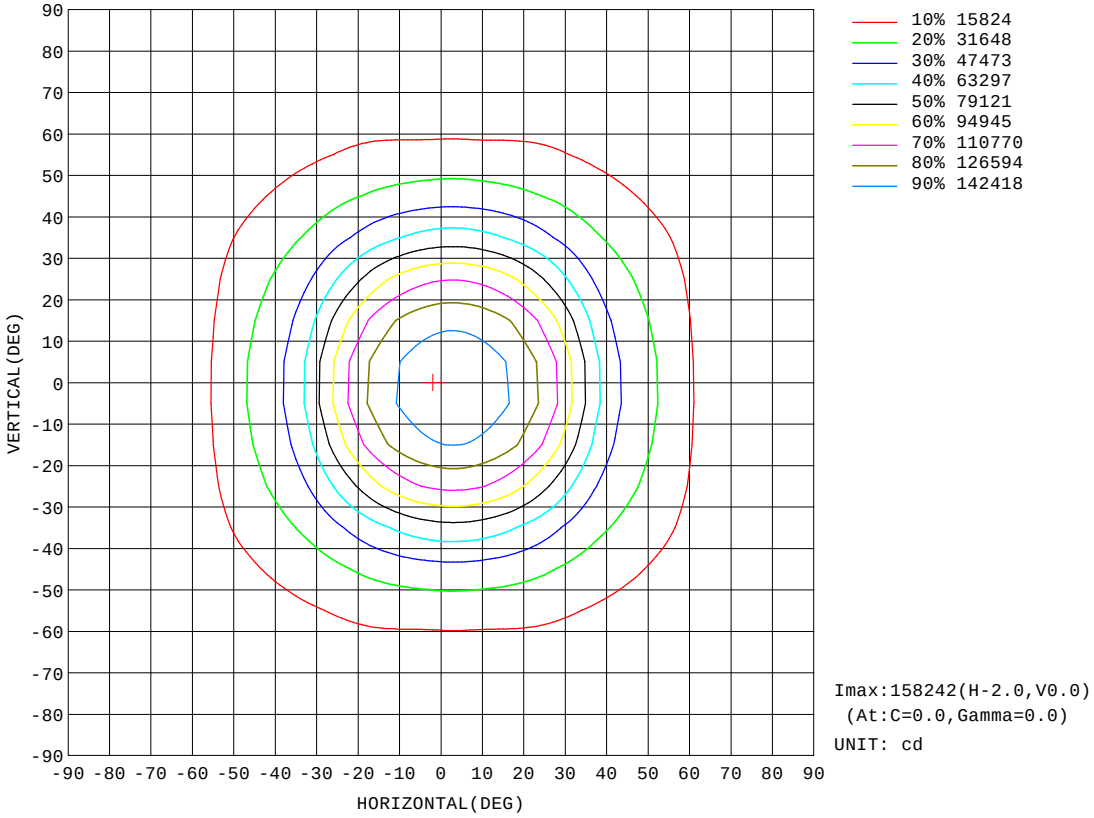
one-half-peak spread: U:34.1,D:33.2 , L:33.2,R:32.6 **NEMA Beam Type: Type 6**

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date: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:20.600m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.8V I:6.776A P:1496W PF:0.9937 Freq:49.99Hz Lamp Flux:214262x1 lm		
NAME: ITSP31500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

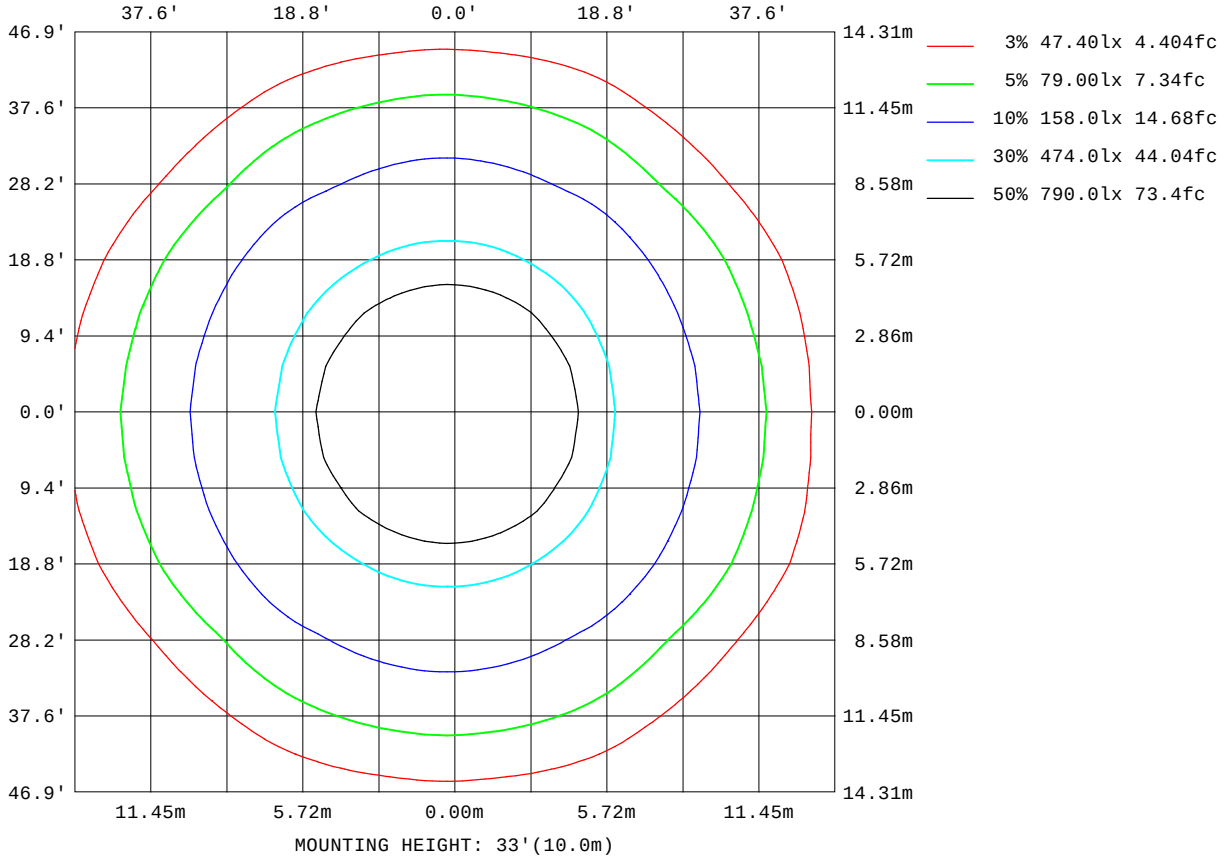


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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:20.600m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

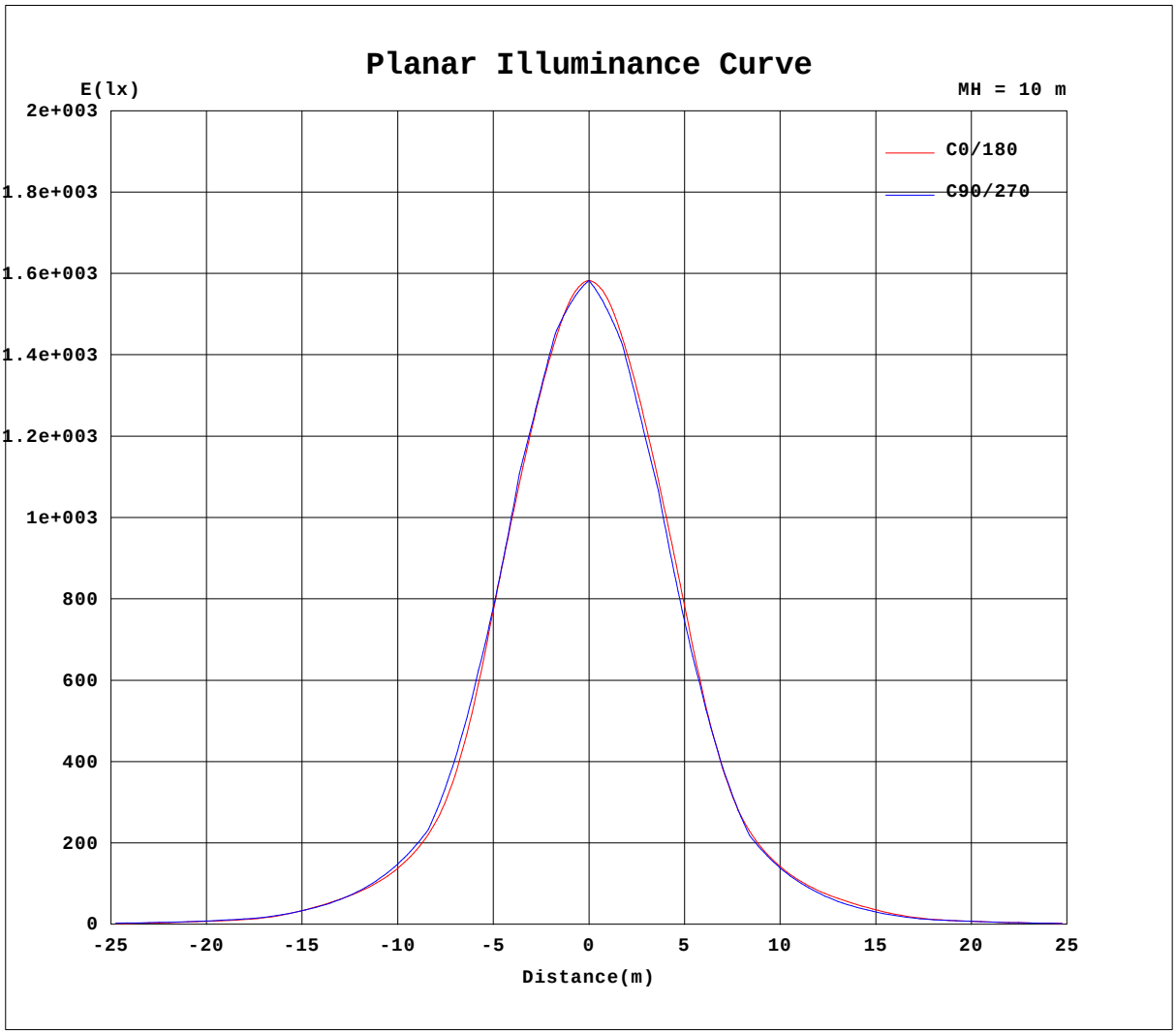
Test:U:220.8V I:6.776A P:1496W PF:0.9937 Freq:49.99Hz Lamp Flux:214262x1 lm		
NAME: ITSP31500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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:20.600m [K=1.0000]
Remarks:

Planar Illuminance Curve



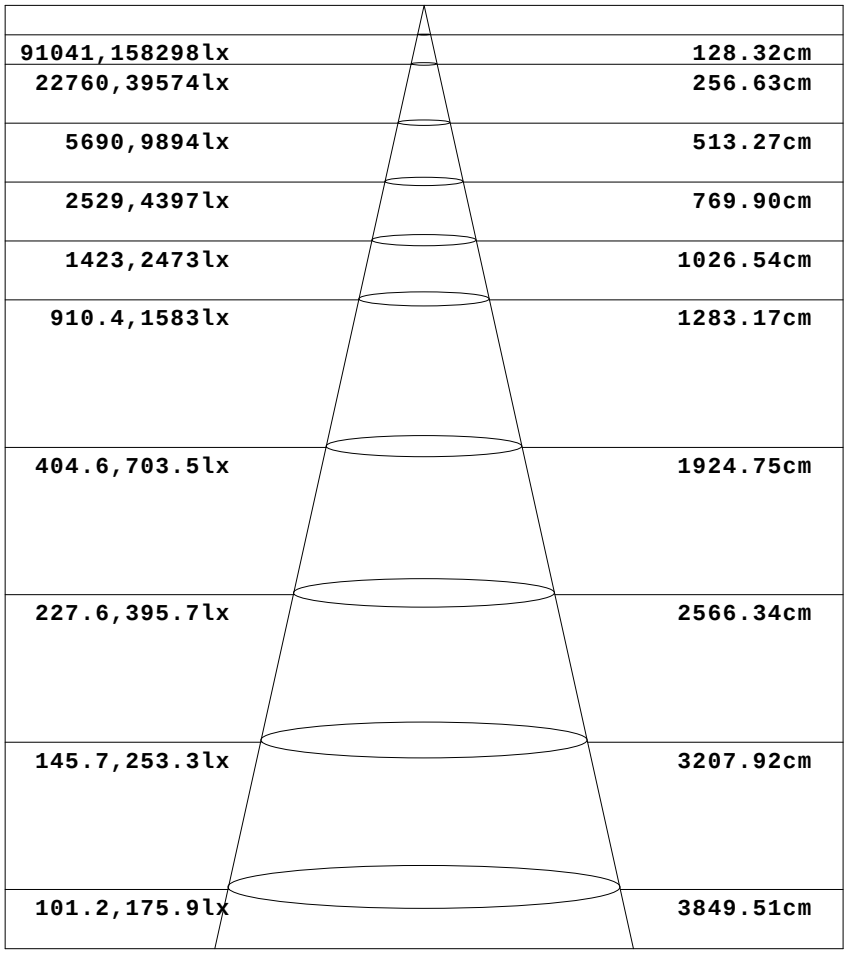
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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:20.600m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.8V I:6.776A P:1496W PF:0.9937 Freq:49.99Hz Lamp Flux:214262x1 lm		
NAME: ITSP31500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:120620 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:20.600m [K=1.0000]
Test Date:02 March 2020	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:6.776A P:1496W PF:0.9937 Freq:49.99Hz Lamp Flux:214262x1 lm		
NAME: ITSP31500604000	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	6.89	7.00	7.58	8.24	8.96	9.75	10.5	11.2	12.0	12.9	13.8	14.5	15.2	15.6	15.8	15.7	15.7	15.9	15.9
-75	6.33	6.77	7.07	8.07	9.48	11.2	13.1	15.1	17.2	19.2	21.4	23.6	25.7	27.8	29.2	30.0	30.5	31.0	32.1
-70	6.65	7.15	8.56	10.7	13.3	16.4	19.7	23.1	26.4	29.9	33.4	36.8	40.3	42.8	44.2	45.3	46.3	48.3	48.8
-65	5.97	6.52	7.23	9.32	12.5	16.4	21.3	26.8	32.7	38.6	45.2	56.2	67.4	77.9	85.2	89.4	88.8	86.6	87.5
-60	6.39	7.31	10.1	14.2	19.4	26.2	33.8	42.2	50.9	60.4	79.1	97.9	115	128	135	132	127	127	128
-55	5.61	6.20	7.36	11.0	16.5	23.2	32.4	44.6	59.7	79.7	101	126	150	172	193	208	215	219	223
-50	6.02	7.41	12.0	18.7	27.0	38.6	55.4	77.2	109	142	173	201	228	259	281	298	310	319	320
-45	5.19	5.77	7.46	12.9	20.7	30.8	46.2	71.3	107	146	183	218	253	291	331	362	387	407	419
-40	5.53	7.52	13.9	22.8	34.5	53.9	87.3	137	183	223	263	304	354	403	442	477	503	519	520
-35	4.68	5.25	7.54	14.6	24.3	37.8	61.9	105	167	218	267	318	377	451	527	599	662	710	738
-30	4.96	7.56	15.4	25.8	41.1	70.0	124	197	254	310	372	450	548	652	755	847	917	956	959
-25	4.17	4.65	7.60	15.9	27.0	44.2	76.7	137	217	279	343	419	524	662	803	934	1036	1106	1142
-20	4.35	7.63	16.3	28.2	47.3	83.5	151	238	305	377	465	599	777	955	1113	1225	1294	1329	1332
-15	3.71	4.06	7.45	16.5	28.7	49.4	87.0	157	251	322	401	504	667	871	1062	1213	1319	1386	1421
-10	3.77	7.27	16.6	29.3	51.5	90.5	164	264	339	425	542	735	965	1169	1313	1412	1477	1514	1517
-5	3.29	3.55	7.03	16.5	29.4	52.5	91.9	169	270	346	434	559	763	999	1198	1337	1437	1506	1545
0	3.33	6.79	16.4	29.5	53.5	93.4	173	276	353	443	576	791	1032	1227	1362	1461	1534	1575	1578
5	2.96	3.20	6.49	15.8	28.4	51.2	90.3	167	268	343	431	555	756	988	1185	1323	1422	1491	1530
10	3.06	6.19	15.2	27.4	49.0	87.3	161	260	333	419	533	721	945	1143	1284	1383	1448	1484	1487
15	2.79	3.02	6.00	14.5	26.1	46.0	82.7	152	245	314	392	492	650	846	1031	1178	1281	1347	1381
20	2.98	5.81	13.8	24.7	42.9	78.1	144	229	295	366	451	578	748	919	1071	1179	1245	1279	1280
25	2.79	3.01	5.60	12.9	23.1	39.2	70.7	130	208	268	332	404	504	635	770	896	994	1060	1095
30	3.05	5.38	12.1	21.4	35.5	63.2	116	187	242	297	357	430	523	621	720	808	874	912	914
35	2.97	3.15	5.22	11.1	19.5	31.8	54.8	97.6	158	208	255	304	359	429	501	568	628	673	699
40	3.26	5.06	10.1	17.7	28.1	46.3	79.4	129	173	213	250	289	336	381	417	448	472	487	487
45	3.27	3.40	4.88	9.09	15.7	24.5	38.5	62.9	98.9	137	173	207	239	275	312	340	363	381	393
50	3.54	4.71	8.07	13.8	20.9	30.7	46.4	68.9	101	133	163	189	214	243	263	278	290	298	299
55	3.65	3.71	4.58	7.24	11.7	17.3	24.9	35.8	51.0	71.0	93.3	119	141	163	183	196	201	203	206
60	3.88	4.45	6.41	9.68	13.8	19.2	25.2	33.1	41.2	53.8	74.8	93.7	111	123	129	124	116	114	113
65	4.02	4.02	4.40	5.82	8.19	11.2	15.1	19.3	24.6	30.0	38.0	50.1	61.4	71.8	78.8	82.2	80.2	77.0	77.1
70	4.17	4.35	5.22	6.70	8.66	11.0	13.4	16.2	18.8	22.2	25.3	29.0	32.5	34.6	35.7	36.5	37.7	40.5	40.9
75	4.31	4.29	4.39	4.92	5.83	7.06	8.51	10.0	11.7	13.3	15.4	17.2	19.4	21.5	22.8	23.5	24.0	24.8	26.4
80	4.41	4.43	4.62	4.96	5.45	6.06	6.63	7.21	7.84	8.53	9.17	9.80	10.4	10.9	11.3	11.6	11.9	12.3	12.3
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:20.600m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:6.776A P:1496W PF:0.9937 Freq:49.99Hz Lamp Flux:214262x1 lm		
NAME: ITSP31500604000	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	15.7	15.6	15.7	15.5	15.1	14.5	13.8	12.9	12.1	11.4	10.7	9.97	9.20	8.53	7.96	7.43	7.32	7.20
-75	32.4	31.3	30.6	30.1	29.3	27.9	26.0	23.8	21.7	19.6	17.6	15.6	13.6	11.7	10.1	8.78	7.81	7.47
-70	47.0	45.6	44.5	43.1	40.8	37.4	33.9	30.5	27.1	23.9	20.6	17.2	14.2	11.6	9.60	8.19	7.63	7.27
-65	88.2	86.3	87.7	88.7	85.4	79.0	68.9	57.7	46.3	39.3	33.5	27.9	22.5	17.6	13.8	10.7	8.56	7.72
-60	126	130	133	128	117	100	81.6	62.0	51.6	43.2	35.3	27.9	21.1	15.9	11.9	8.93	7.81	7.26
-55	224	219	215	209	196	175	153	130	105	83.4	62.8	47.0	34.7	25.5	18.5	13.1	9.27	7.82
-50	312	301	285	264	234	206	179	148	115	82.3	58.8	41.5	29.8	21.2	14.3	9.62	7.83	7.15
-45	420	409	391	366	336	297	257	223	188	152	113	76.6	49.6	33.7	23.4	15.5	9.86	7.71
-40	506	481	447	408	359	308	266	227	188	144	94.3	57.7	37.5	25.6	16.6	10.1	7.58	6.84
-35	740	716	671	609	537	460	385	324	273	225	176	116	68.1	41.6	27.4	17.5	10.3	7.38
-30	926	861	770	665	560	461	382	319	262	208	137	78.4	45.6	29.3	18.4	10.5	7.18	6.41
-25	1145	1114	1049	951	821	678	536	428	351	287	227	149	85.1	48.7	30.3	18.9	10.4	6.88
-20	1302	1238	1132	977	796	612	474	384	311	247	162	91.8	51.7	31.3	19.3	10.4	6.58	5.92
-15	1424	1393	1331	1232	1086	897	686	516	410	329	260	170	94.9	54.4	32.0	19.5	10.1	6.27
-10	1485	1425	1332	1196	998	761	557	435	347	274	178	98.0	57.2	32.7	19.7	9.91	5.96	5.37
-5	1548	1514	1449	1355	1222	1029	786	572	442	352	278	182	98.5	57.7	32.5	19.3	9.54	5.63
0	1543	1473	1378	1247	1059	811	587	449	358	283	185	99.0	58.3	32.3	19.0	9.17	5.31	4.77
5	1533	1499	1435	1341	1208	1018	778	567	438	349	276	179	96.5	56.2	31.3	18.3	8.72	5.02
10	1455	1396	1304	1169	977	745	546	426	341	268	174	93.9	54.2	30.3	17.7	8.27	4.73	4.32
15	1384	1353	1293	1196	1054	870	666	500	397	320	252	163	88.8	49.9	28.4	16.6	7.75	4.46
20	1251	1189	1087	939	764	586	454	368	299	235	152	83.7	45.7	26.5	15.5	7.23	4.20	3.88
25	1097	1066	1004	908	784	646	510	407	335	272	214	138	75.7	41.6	24.7	14.4	6.79	4.03
30	881	818	730	629	528	433	360	301	246	193	124	67.8	37.6	22.8	13.3	6.36	3.85	3.61
35	700	677	632	573	504	432	361	305	257	210	162	103	57.5	33.1	20.6	12.0	5.94	3.78
40	472	447	416	380	335	289	250	212	174	132	82.4	47.3	28.7	18.3	10.7	5.53	3.70	3.51
45	393	381	363	339	311	275	238	206	173	138	101	64.4	39.0	24.9	16.1	9.53	5.21	3.71
50	290	278	262	243	214	188	162	134	102	69.4	46.3	30.8	21.1	14.0	8.32	4.90	3.72	3.63
55	206	202	200	194	182	162	140	118	92.8	70.9	50.7	35.4	24.8	17.4	11.7	7.30	4.67	3.78
60	114	121	126	121	110	92.5	73.2	52.1	39.9	31.9	24.4	18.8	13.6	9.48	6.28	4.43	3.85	3.86
65	77.1	76.2	78.6	80.4	77.6	71.1	60.6	49.1	36.9	29.1	23.8	18.7	14.7	11.0	7.96	5.66	4.34	3.98
70	38.0	36.1	35.0	33.8	31.8	28.6	24.9	21.8	18.3	15.6	13.0	10.5	8.32	6.43	5.03	4.26	4.11	4.13
75	26.6	25.0	23.8	23.1	22.2	21.0	19.1	16.9	14.9	12.8	11.2	9.57	8.07	6.74	5.59	4.76	4.31	4.23
80	11.9	11.5	11.1	10.7	10.1	9.46	8.81	8.10	7.38	6.72	6.17	5.67	5.16	4.75	4.49	4.36	4.35	4.37
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:20.600m [K=1.0000]
Remarks: