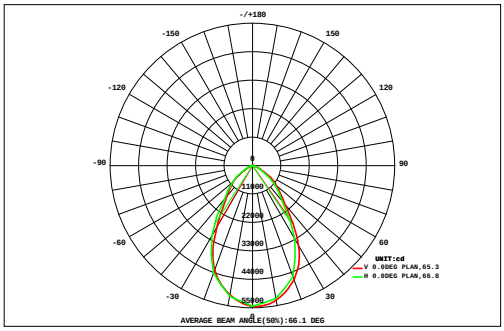
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		740.4 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	115.4V x 116.7H
	At 50% of Imax	66.8V x 65.3H
	At 90% of Imax	28.2V x 29.7H
Beam Flux	Total	1000.4 lumens per klm.
	To 10% of Imax	937.5 lumens per klm.
	To 50% of Imax	564.7 lumens per klm.
	To 90% of Imax	135.6 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.0V I:2.294A P:504.4W PF:0.9948 Freq:49.99Hz Lamp Flux:73548.1x1 lm		
NAME: ITSP3500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:145.80lm/W	
MODEL		Imax(cd)	54456
NOMINAL POWER(W)	500	AVAILABILITY(%)	94.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	69181
NOMINAL FLUX(lm)	73548.1	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	73548
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	0.51	1.71	3.69	6.65	10.5	15.2	20.2	23.5	25.7	26.6	23.5	20.4	15.9	11.0	6.88	3.85	1.78	0.51	218	0.00
70	0.39	1.82	5.42	12.1	22.6	40.9	62.1	74.3	75.2	73.3	71.3	64.8	45.7	25.2	13.0	5.86	2.00	0.41	597	0.00
60	0.40	2.53	8.95	23.6	54.9	106	157	190	199	201	195	163	109	60.4	27.4	9.98	2.84	0.45	1512	815
50	0.43	3.43	13.7	45.5	113	189	273	350	400	405	358	281	194	117	52.7	15.9	3.87	0.50	2816	2578
40	0.46	4.33	19.5	75.4	170	278	422	572	680	691	598	446	291	176	83.7	23.0	4.89	0.58	4536	4389
30	0.51	5.13	25.7	102	222	384	647	942	1126	1132	969	690	411	232	110	29.6	5.87	0.66	7035	6923
20	0.56	5.90	30.8	120	263	488	888	1258	1441	1446	1272	924	522	272	128	34.1	6.78	0.74	9102	8999
10	0.61	6.49	33.9	132	290	571	1039	1401	1585	1592	1416	1067	601	300	140	37.2	7.46	0.82	10220	10121
0	0.66	6.85	35.1	136	296	589	1052	1412	1604	1608	1427	1076	600	300	140	37.8	7.66	0.88	10329	10229
-10	0.70	6.70	33.0	126	274	525	931	1286	1471	1476	1307	950	521	276	130	35.8	7.49	0.92	9359	9257
-20	0.72	6.33	29.8	110	236	421	715	1012	1186	1192	1021	702	405	235	113	31.4	6.98	0.94	7425	7316
-30	0.72	5.69	24.7	86.3	184	307	470	640	756	753	627	450	296	183	87.1	24.9	6.30	0.92	4903	4764
-40	0.71	4.93	18.7	57.4	122	201	288	360	398	394	349	279	196	122	54.1	17.8	5.33	0.87	2870	2634
-50	0.69	4.00	13.0	32.8	69.4	119	173	213	228	225	206	169	118	66.1	29.3	12.6	4.23	0.82	1685	1157
-60	0.67	3.11	8.59	17.7	29.2	50.3	73.4	80.1	75.9	75.1	77.2	68.3	45.5	25.3	15.9	8.21	3.18	0.75	658	0.00
-70	0.65	2.45	5.42	9.47	14.2	18.4	20.9	22.5	25.9	26.1	22.9	19.3	16.0	13.0	8.86	5.07	2.41	0.69	234	0.00
-80	0.33	1.11	1.96	2.73	3.50	4.14	4.36	4.17	4.10	3.71	3.95	3.67	3.17	2.63	2.12	1.53	0.92	0.31	48.4	0.00
-90																				
F t	9.73	72.5	312	1096	2374	4307	7237	9842	11282	11321	9942	7373	4392	2418	1142	335	80.0	11.8	73548	---
F a	0.00	0.00	34.0	730	2062	4018	6957	9546	10978	11028	9677	7110	4099	2124	774	46.0	0.00	0.00	---	69181

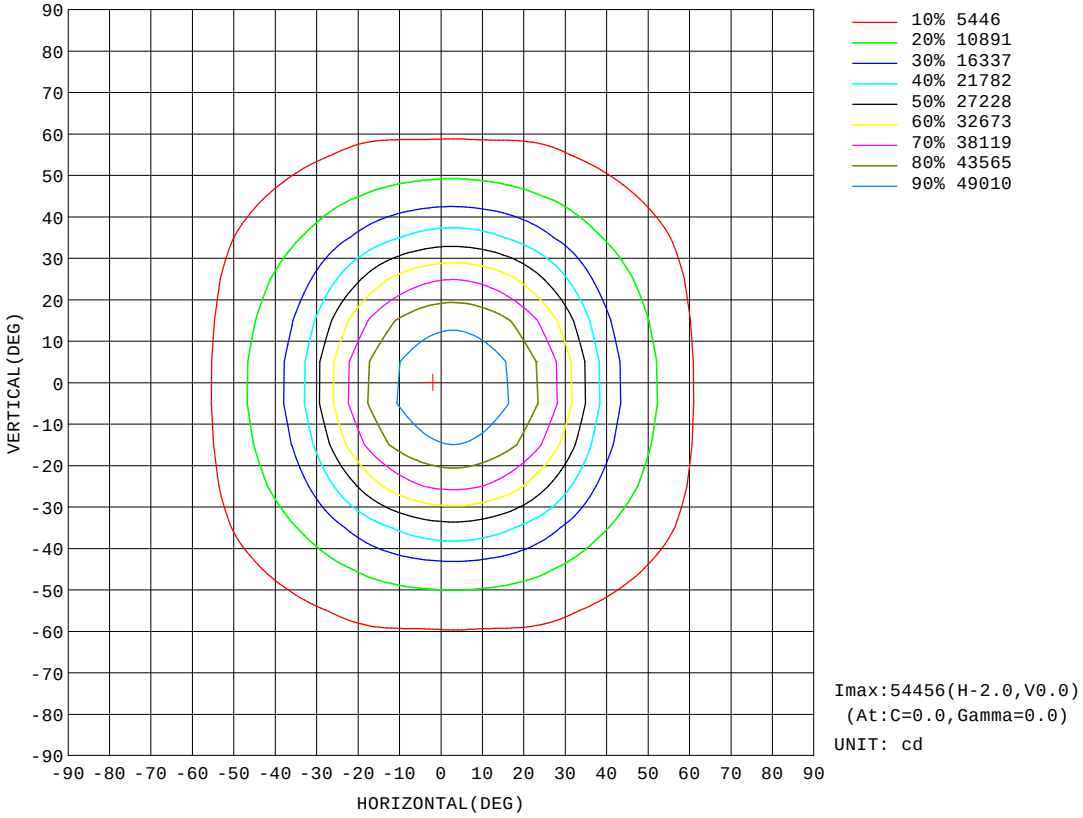
one-half-peak spread: U:34.0,D:33.2 , L:33.1,R:32.5 **NEMA Beam Type: Type 6**

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:11.900m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:221.0V I:2.294A P:504.4W PF:0.9948 Freq:49.99Hz Lamp Flux:73548.1x1 lm		
NAME: ITSP3500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

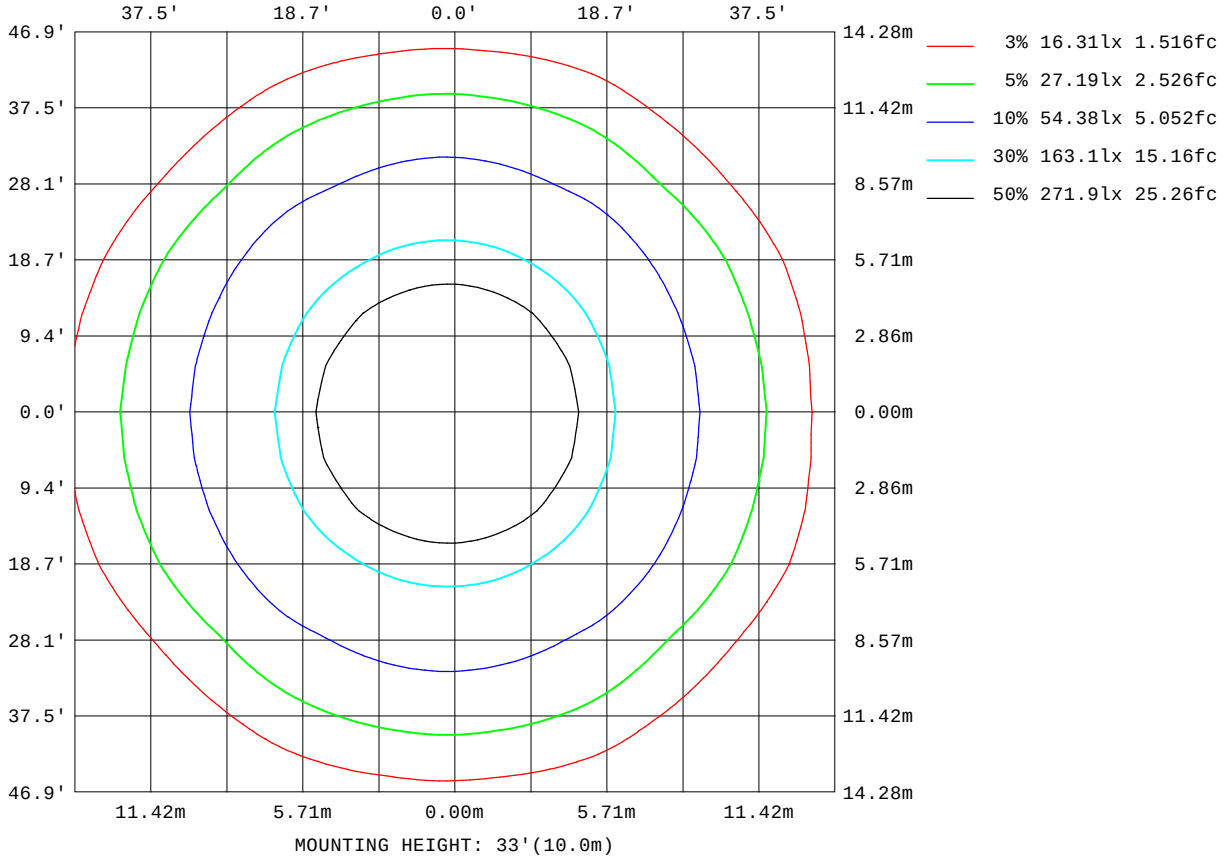


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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:11.900m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

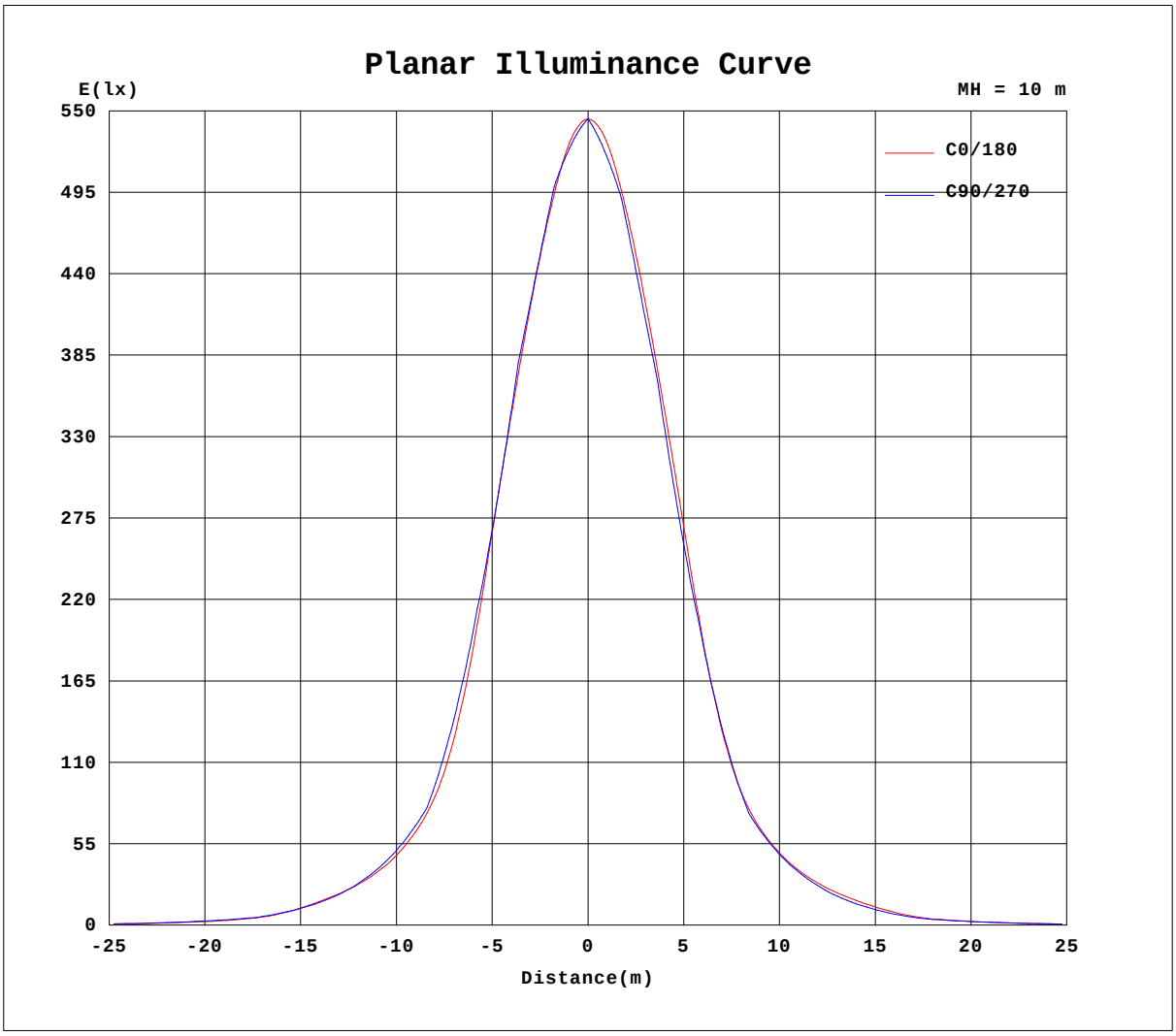
Test:U:221.0V I:2.294A P:504.4W PF:0.9948 Freq:49.99Hz Lamp Flux:73548.1x1 lm		
NAME: ITSP3500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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:11.900m [K=1.0000]
Remarks:

Planar Illuminance Curve



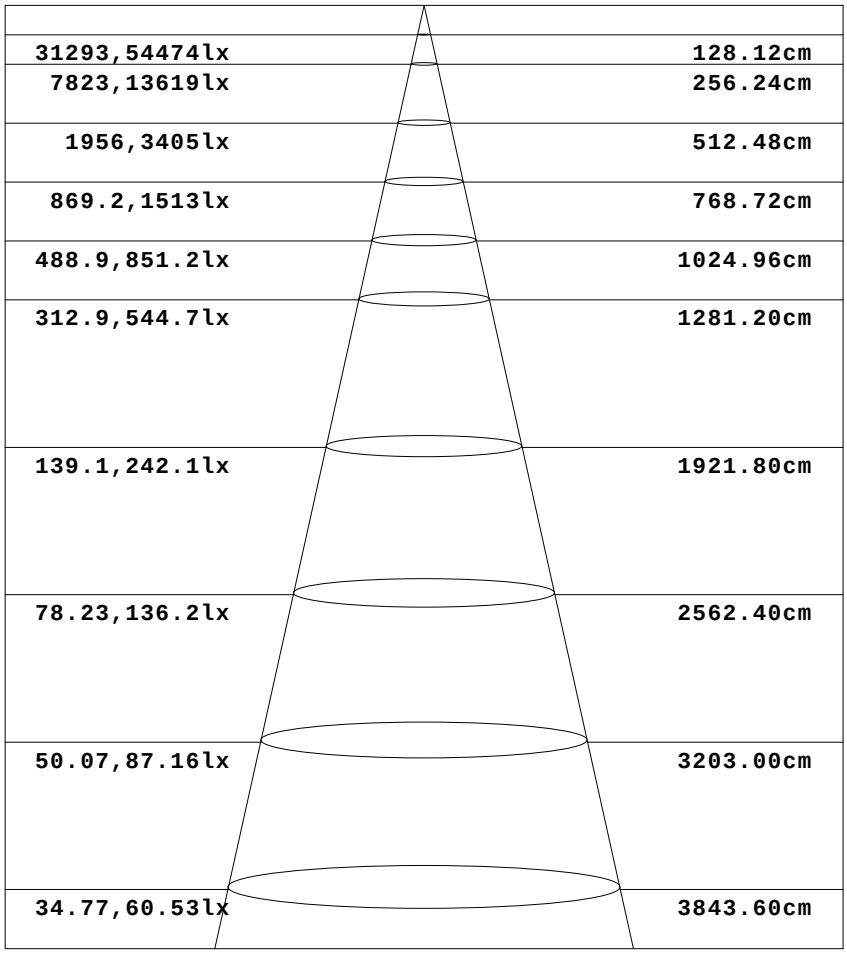
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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:11.900m [K=1.0000]
Remarks:

AAI Figure

Test:U:221.0V I:2.294A P:504.4W PF:0.9948 Freq:49.99Hz Lamp Flux:73548.1x1 lm		
NAME: ITSP3500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:41460 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:02 March 2020	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.0V I:2.294A P:504.4W PF:0.9948 Freq:49.99Hz Lamp Flux:73548.1x1 lm		
NAME: ITSP3500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1 UNIT: ×10cd

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	23.3	23.7	25.6	27.8	30.2	32.7	35.3	37.6	40.3	43.1	46.0	48.5	50.7	52.2	52.8	52.5	52.2	52.9	53.1
-75	21.4	22.9	24.0	27.2	31.8	37.4	43.7	50.6	57.5	64.3	71.7	79.0	86.2	93.2	98.0	101	102	104	108
-70	22.5	24.2	28.7	35.8	44.5	54.7	65.9	77.3	88.3	100	112	124	136	144	149	152	156	163	164
-65	20.2	22.1	24.5	31.2	41.7	54.7	71.2	89.9	110	130	152	190	228	263	289	303	301	293	296
-60	21.7	24.7	33.7	47.5	64.9	87.8	114	143	172	204	268	332	391	433	457	449	430	430	432
-55	19.0	21.0	24.9	36.8	55.1	77.9	109	151	202	270	344	429	508	584	657	707	732	743	757
-50	20.4	25.0	39.9	62.7	90.9	130	187	262	369	483	589	685	776	880	957	1014	1057	1085	1088
-45	17.6	19.6	25.2	43.2	69.6	104	157	242	363	496	623	742	861	992	1127	1233	1320	1386	1427
-40	18.8	25.3	46.4	76.6	117	183	297	465	623	762	895	1036	1208	1374	1509	1626	1715	1770	1774
-35	15.9	17.8	25.3	49.0	81.9	128	210	359	568	744	910	1083	1285	1539	1800	2044	2261	2426	2520
-30	16.9	25.3	51.5	87.1	139	238	421	671	866	1058	1271	1534	1870	2227	2580	2896	3137	3270	3281
-25	14.2	15.9	25.4	53.2	91.2	150	261	468	743	954	1173	1431	1792	2265	2749	3198	3548	3787	3914
-20	14.8	25.5	54.9	95.3	161	284	514	815	1042	1288	1590	2049	2659	3272	3816	4200	4438	4557	4566
-15	12.7	13.9	24.9	55.4	97.3	168	296	538	860	1100	1370	1723	2284	2985	3641	4160	4523	4754	4878
-10	12.9	24.2	55.9	99.3	176	308	561	905	1159	1452	1855	2518	3310	4009	4504	4846	5071	5199	5211
-5	11.2	12.1	23.4	55.6	99.8	179	314	578	927	1184	1484	1915	2617	3430	4113	4594	4937	5175	5310
0	11.4	22.6	55.2	100	183	319	595	948	1208	1517	1975	2717	3549	4217	4684	5027	5279	5421	5432
5	10.1	10.9	21.6	53.3	96.8	175	309	573	920	1176	1476	1902	2597	3399	4075	4553	4895	5132	5266
10	10.5	20.6	51.4	93.3	168	298	552	891	1144	1436	1829	2478	3249	3933	4421	4763	4986	5111	5121
15	9.58	10.3	20.0	49.0	88.8	157	283	523	841	1079	1347	1689	2234	2912	3549	4057	4414	4640	4760
20	10.2	19.4	46.7	84.3	147	267	495	790	1013	1258	1549	1989	2575	3165	3693	4065	4295	4410	4415
25	9.62	10.3	18.7	43.7	78.5	134	242	446	717	923	1140	1388	1735	2187	2652	3087	3426	3656	3778
30	10.5	18.0	40.7	72.7	121	216	398	644	833	1022	1227	1480	1800	2138	2482	2788	3017	3146	3153
35	10.2	10.8	17.5	37.4	66.4	109	188	335	544	715	879	1046	1239	1480	1726	1960	2166	2323	2414
40	11.2	17.0	34.1	60.1	96.2	159	273	444	598	735	864	999	1161	1314	1438	1545	1629	1682	1682
45	11.3	11.7	16.5	30.7	53.4	83.7	132	216	340	472	596	712	825	950	1077	1173	1253	1315	1355
50	12.2	15.9	27.2	46.6	71.2	105	159	236	347	457	560	651	740	840	908	960	1000	1029	1030
55	12.6	12.8	15.6	24.4	39.7	59.0	85.2	123	175	244	321	409	487	561	632	676	694	701	710
60	13.4	15.2	21.7	32.8	46.8	65.5	86.3	114	142	185	258	323	383	425	444	428	401	392	390
65	14.0	14.0	15.1	19.7	27.7	38.0	51.3	66.0	84.3	103	130	172	211	247	272	284	277	266	265
70	14.5	15.0	17.8	22.7	29.3	37.1	45.6	55.1	64.1	75.8	86.6	99.4	112	119	123	125	130	139	140
75	15.0	14.9	15.2	16.9	19.9	24.0	28.9	34.1	39.8	45.3	52.4	58.8	66.3	73.5	78.0	80.5	82.4	84.9	90.4
80	15.3	15.4	16.0	17.1	18.7	20.7	22.5	24.5	26.6	28.9	31.1	33.2	35.5	37.1	38.4	39.3	40.2	41.7	41.9
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:11.900m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.0V I:2.294A P:504.4W PF:0.9948 Freq:49.99Hz Lamp Flux:73548.1x1 lm		
NAME: ITSP3500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2 UNIT: ×10cd

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	52.1	52.1	52.3	51.9	50.6	48.5	46.1	43.2	40.5	38.1	35.9	33.6	31.0	28.8	26.9	25.1	24.8	24.3
-75	109	105	103	101	98.4	93.8	87.1	79.9	72.9	65.7	59.1	52.5	45.5	39.2	33.9	29.6	26.4	25.3
-70	158	153	150	145	137	126	114	103	90.9	80.1	69.1	57.5	47.5	38.9	32.3	27.7	25.8	24.6
-65	298	292	297	300	289	268	233	195	156	133	113	93.9	75.6	59.2	46.1	36.1	29.0	26.2
-60	426	440	451	434	398	340	276	209	174	146	119	93.6	70.9	53.4	39.8	30.2	26.5	24.6
-55	760	744	732	710	666	597	521	442	357	283	213	159	117	85.7	62.3	44.0	31.3	26.5
-50	1063	1023	969	899	796	702	608	504	391	279	199	140	101	71.3	48.2	32.5	26.6	24.2
-45	1431	1394	1332	1248	1145	1011	877	758	640	516	385	260	168	114	78.8	52.1	33.3	26.2
-40	1725	1640	1526	1391	1227	1052	909	776	641	492	321	196	127	86.4	55.9	34.1	25.8	23.2
-35	2527	2445	2292	2080	1833	1570	1314	1107	932	768	600	394	232	141	92.8	59.1	34.7	25.1
-30	3166	2943	2634	2275	1914	1575	1305	1089	895	709	467	267	155	99.1	62.2	35.3	24.5	21.8
-25	3924	3814	3593	3257	2810	2319	1834	1464	1201	980	776	511	290	166	103	63.8	35.2	23.5
-20	4462	4242	3880	3346	2725	2094	1622	1314	1065	843	555	312	176	106	65.3	35.2	22.5	20.0
-15	4889	4781	4567	4227	3725	3074	2352	1766	1402	1126	890	583	324	186	109	66.0	34.3	21.5
-10	5100	4892	4574	4104	3424	2611	1909	1489	1188	937	611	335	196	111	66.7	33.4	20.4	18.3
-5	5321	5204	4979	4655	4195	3531	2697	1962	1514	1207	953	622	337	198	111	65.5	32.1	19.3
0	5307	5065	4737	4286	3638	2784	2014	1539	1225	969	633	338	199	110	64.2	30.9	18.1	16.5
5	5276	5159	4936	4612	4154	3498	2673	1944	1501	1197	945	614	330	192	106	62.2	29.4	17.1
10	5012	4806	4488	4022	3359	2562	1874	1463	1169	920	596	322	186	103	60.1	27.9	16.1	14.8
15	4768	4663	4453	4117	3628	2995	2290	1718	1365	1097	864	559	304	171	96.9	56.4	26.1	15.3
20	4314	4100	3746	3233	2632	2019	1562	1267	1026	807	523	287	157	90.5	52.7	24.4	14.4	13.3
25	3784	3677	3460	3131	2701	2225	1756	1400	1152	937	736	474	260	143	84.1	48.9	22.9	13.8
30	3040	2820	2516	2169	1819	1493	1239	1036	848	664	425	233	129	77.7	45.0	21.5	13.3	12.5
35	2418	2335	2182	1976	1739	1488	1245	1051	884	724	559	354	198	114	70.1	40.7	20.1	13.0
40	1630	1544	1436	1309	1158	997	862	733	600	454	283	162	98.2	62.5	36.4	18.7	12.8	12.2
45	1356	1316	1252	1171	1075	949	823	711	596	475	347	221	134	85.2	55.0	32.3	17.7	12.8
50	1001	960	906	840	741	649	560	460	351	239	159	106	72.2	47.5	28.2	16.7	12.8	12.6
55	710	698	689	670	630	561	484	406	320	244	174	122	84.9	59.3	39.9	24.8	15.9	13.1
60	394	418	435	419	381	319	252	179	137	110	83.6	64.3	46.3	32.3	21.3	15.2	13.4	13.3
65	265	262	271	278	268	245	209	169	127	99.9	81.6	63.9	50.0	37.3	27.1	19.3	15.0	13.8
70	131	124	120	116	109	98.3	85.5	74.6	62.7	53.4	44.1	35.7	28.3	22.0	17.3	14.8	14.3	14.4
75	91.2	85.5	81.5	79.0	76.2	71.9	65.2	57.7	51.1	43.9	38.2	32.6	27.6	23.0	19.2	16.4	15.0	14.7
80	40.3	38.9	37.6	36.2	34.4	32.1	29.9	27.6	25.1	23.0	21.1	19.5	17.8	16.4	15.6	15.2	15.1	15.2
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
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:11.900m [K=1.0000]
Remarks: