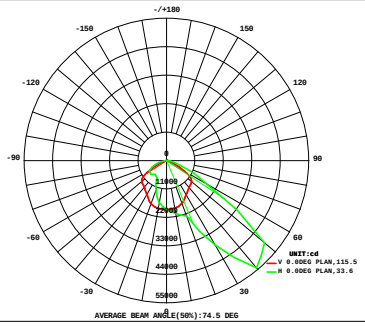
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		826.5 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	138.7V x 138.4H
	At 50% of Imax	33.6V x 115.5H
	At 90% of Imax	14.0V x 45.7H
Beam Flux	Total	998.4 lumens per klm.
	To 10% of Imax	922.7 lumens per klm.
	To 50% of Imax	343.7 lumens per klm.
	To 90% of Imax	65.3 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.8 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.1V I:2.283A P:499.5W PF:0.9939 Freq:49.98Hz Lamp Flux:65423.7x1 lm		
NAME: ITSP3500AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:130.98lm/W	
MODEL		Imax(cd)	54070
NOMINAL POWER(W)	500	AVAILABILITY(%)	92.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	60660
NOMINAL FLUX(lm)	65423.7	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	65424
TEST VOLTAGE(V)	220	q @50%(H,V)	115,34DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-90	-80	-70	-60	-50	-40	-30	-20	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	0.58	2.11	4.76	9.77	21.1	46.6	85.0	108	99.8	97.0	104	82.9	45.5	20.1	9.15	4.51	2.08	0.61	743	0.00
70	0.53	2.56	7.27	17.5	40.8	88.4	150	188	195	193	185	148	86.4	38.9	16.4	6.83	2.47	0.55	1367	846
60	0.59	3.52	11.0	26.8	54.3	101	162	218	247	247	217	160	96.5	51.6	25.6	10.6	3.41	0.61	1636	1166
50	0.61	4.46	15.2	34.7	62.0	104	152	197	229	230	196	148	100	60.1	33.9	14.9	4.39	0.63	1587	1031
40	0.60	5.32	19.9	43.5	83.9	137	180	202	214	213	201	178	134	82.0	43.2	19.6	5.32	0.62	1763	1347
30	0.60	6.08	26.2	72.9	137	198	238	260	280	280	260	237	196	136	72.5	26.2	6.10	0.61	2434	2223
-30	0.63	6.69	38.7	134	209	275	327	382	427	429	383	326	271	205	133	38.9	6.61	0.61	3592	3492
-40	0.67	6.93	53.3	178	261	332	419	509	542	544	512	423	331	258	178	54.3	6.88	0.64	4611	4534
-50	0.70	7.02	61.2	206	306	387	484	565	600	602	569	489	385	303	206	62.0	6.93	0.69	5240	5172
-60	0.71	6.81	59.0	221	353	458	559	625	656	657	627	561	457	352	222	60.4	6.84	0.75	5885	5816
-70	0.70	6.50	49.9	204	391	571	744	833	868	868	837	751	579	395	205	50.3	6.52	0.80	7360	7290
-80	0.67	5.96	35.7	156	378	662	1026	1266	1373	1376	1278	1045	677	384	158	36.5	6.20	0.82	9867	9778
-90	0.65	5.32	23.9	101	297	588	1022	1402	1616	1621	1411	1037	596	301	101	24.1	5.60	0.82	10154	10023
	0.63	4.42	16.1	53.9	166	368	615	903	1086	1091	907	620	372	171	54.7	16.5	4.78	0.80	6451	6263
	0.63	3.50	10.9	25.5	64.6	152	224	273	277	273	263	216	150	65.0	25.4	11.3	3.86	0.79	2040	1679
	0.66	2.79	6.87	13.2	22.2	37.9	69.9	76.3	77.9	78.6	73.9	68.9	39.1	23.0	13.9	7.41	3.14	0.79	616	0.00
	0.34	1.20	2.33	3.80	5.71	6.10	5.36	5.96	6.62	6.69	6.08	5.52	6.34	6.09	4.26	2.64	1.38	0.40	76.8	0.00
HORIZONTAL(DEG)																				
F t	10.5	81.2	442	1502	2852	4513	6463	8014	8795	8808	8029	6495	4522	2852	1503	447	82.5	11.5	65424	---
F a	0.00	0.00	111	1184	2456	4031	6131	7805	8583	8589	7816	6135	4041	2468	1187	124	0.00	0.00	---	60660

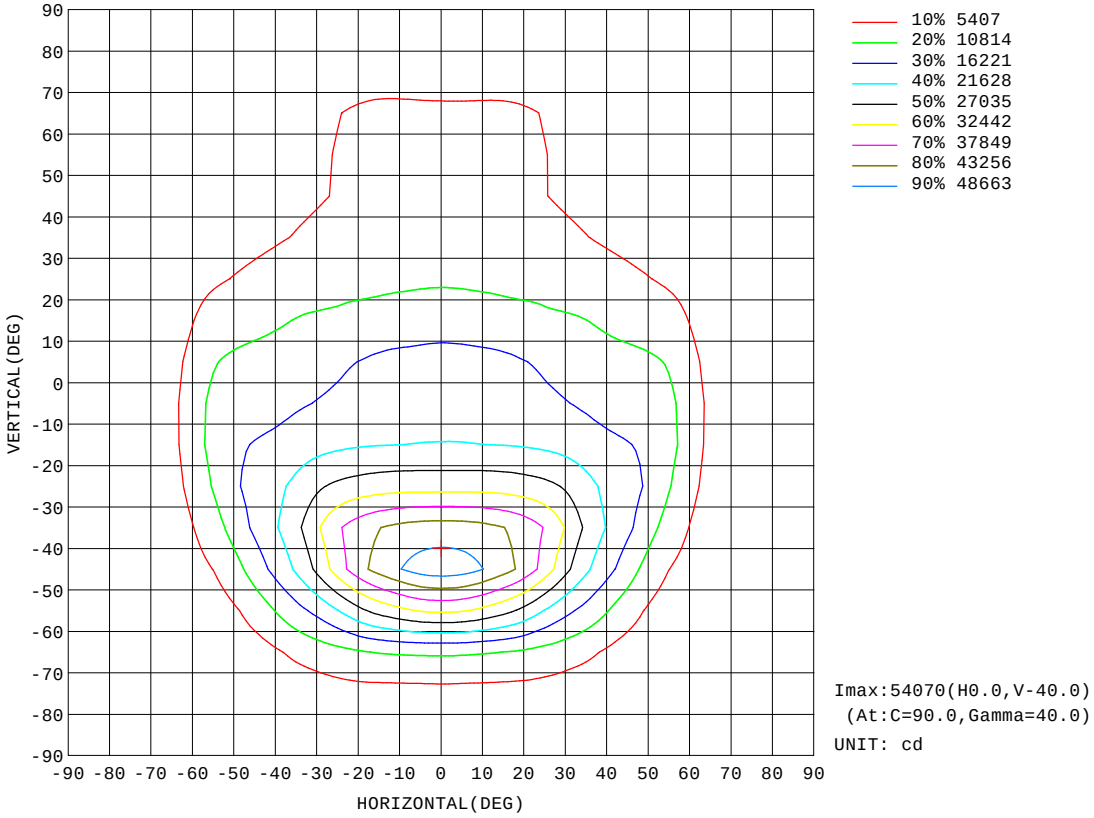
one-half-peak spread: U:16.8,D:17.0 , L:58.9,R:56.9 **NEMA Beam Type: Type 7**

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:11.900m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.1V I:2.283A P:499.5W PF:0.9939 Freq:49.98Hz Lamp Flux:65423.7x1 lm		
NAME: ITSP3500AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

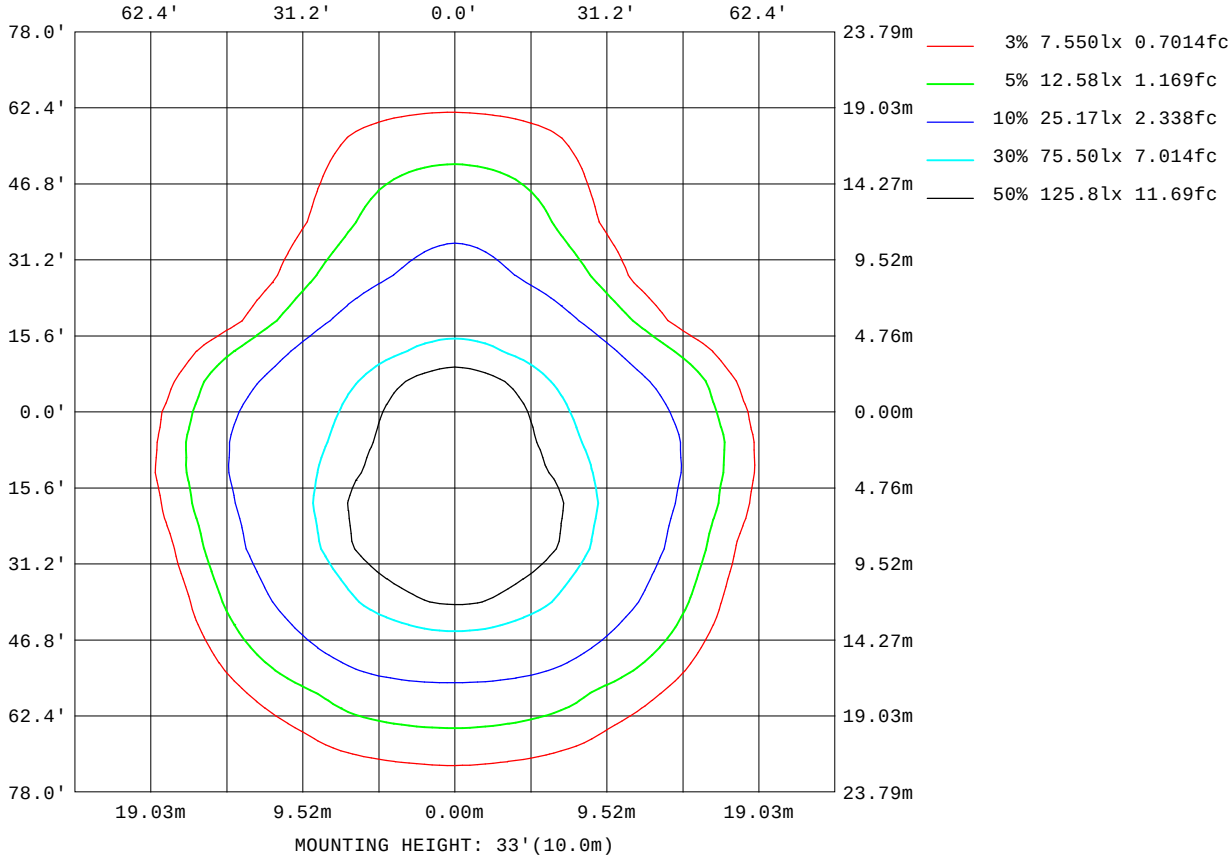


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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

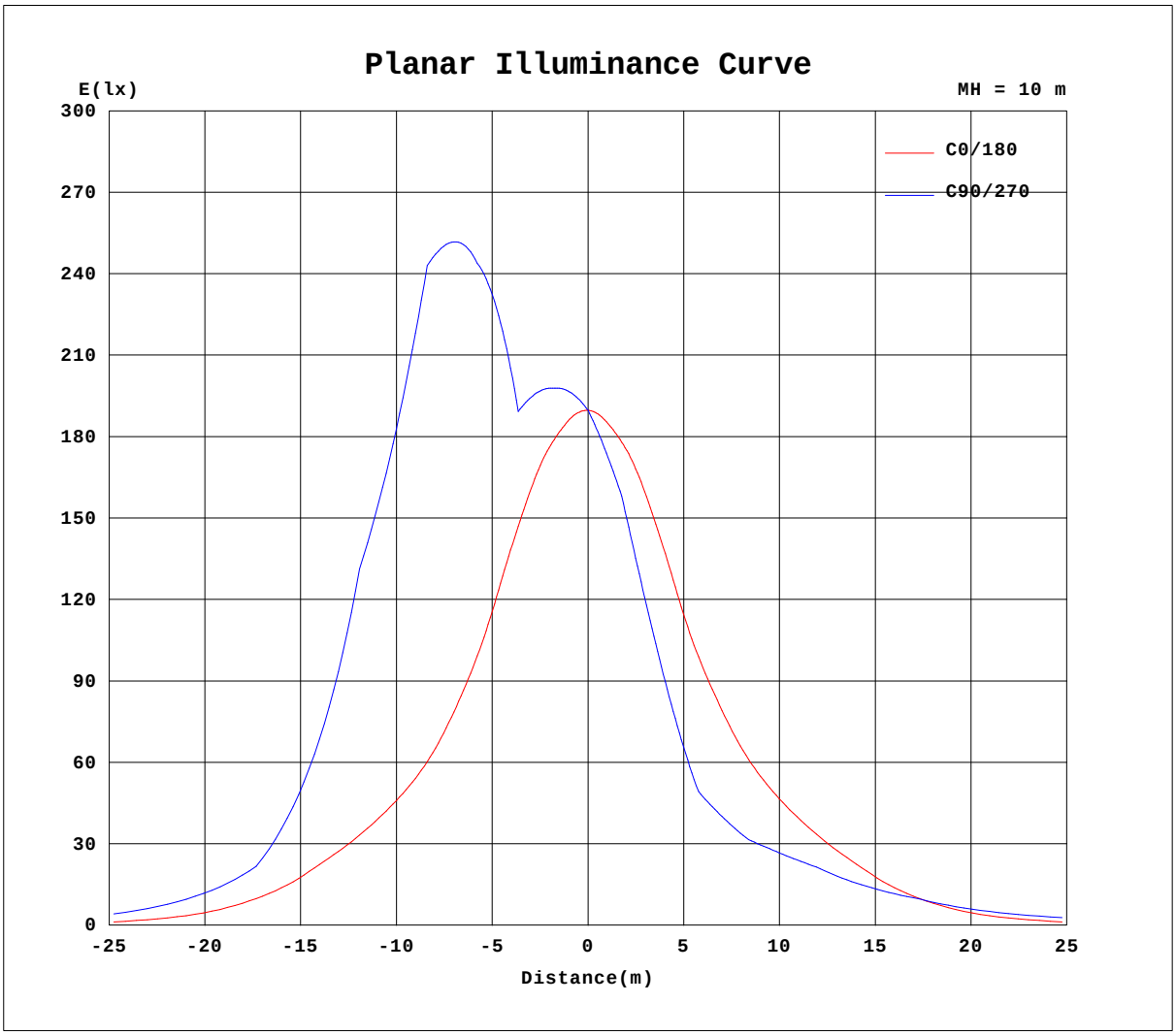
Test:U:220.1V I:2.283A P:499.5W PF:0.9939 Freq:49.98Hz Lamp Flux:65423.7x1 lm		
NAME: ITSP3500AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



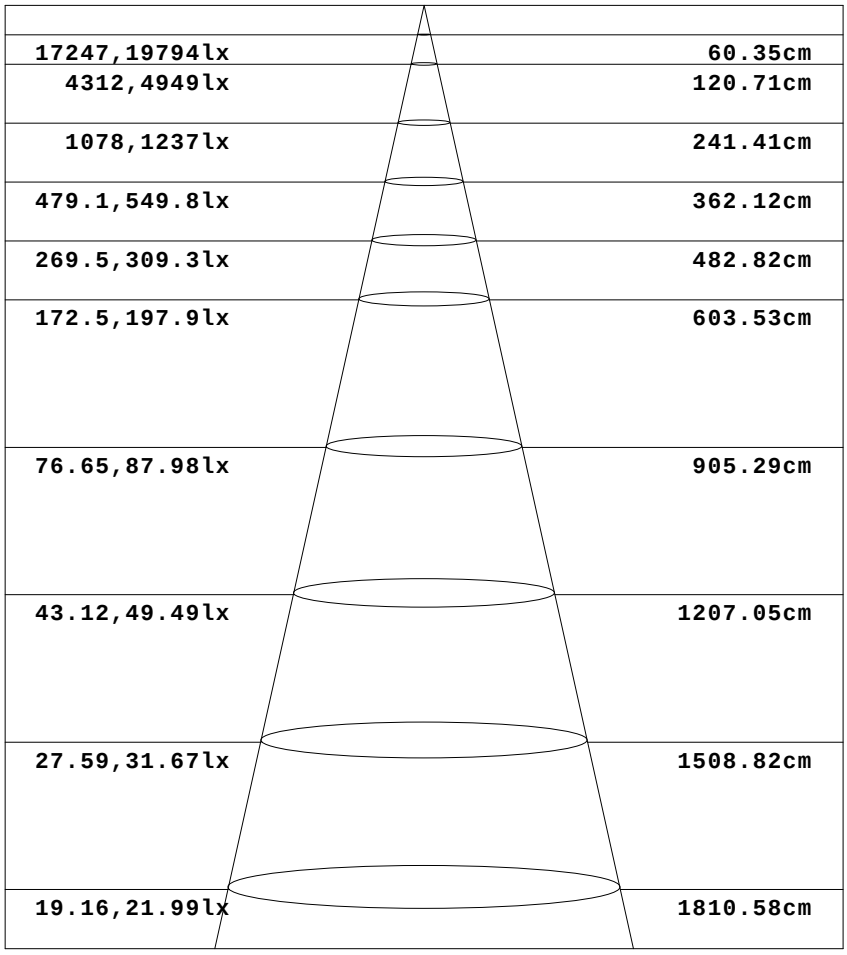
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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:220.1V I:2.283A P:499.5W PF:0.9939 Freq:49.98Hz Lamp Flux:65423.7x1 lm		
NAME: ITSP3500AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:5064 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:220.1V I:2.283A P:499.5W PF:0.9939 Freq:49.98Hz Lamp Flux:65423.7x1 lm		
NAME: ITSP3500AS4000	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	23.5	24.6	27.3	31.8	36.3	42.1	48.4	55.8	65.7	77.8	90.4	101	112	122	128	131	133	137	140
-75	22.3	23.7	27.5	35.0	43.1	54.1	66.4	80.6	100	127	161	207	257	313	344	341	344	350	358
-70	21.2	22.8	27.8	38.2	50.0	66.1	84.4	105	135	176	232	312	402	505	560	551	554	563	576
-65	20.0	21.9	28.6	42.6	60.0	83.6	112	150	226	319	474	648	790	916	1030	1105	1136	1152	1160
-60	18.9	21.1	29.4	46.9	70.1	101	140	195	318	463	715	983	1178	1326	1501	1658	1718	1740	1744
-55	18.2	20.7	31.1	52.1	81.0	121	190	307	475	750	1100	1444	1766	2145	2558	2882	3112	3286	3345
-50	17.5	20.3	32.8	57.3	92.0	142	240	418	633	1038	1485	1905	2354	2963	3616	4105	4505	4833	4947
-45	16.7	20.0	34.5	61.9	101	166	333	547	871	1324	1778	2238	2815	3495	4103	4521	4844	5094	5177
-40	15.9	19.6	36.3	66.5	111	191	425	677	1110	1610	2072	2571	3276	4026	4590	4937	5182	5354	5407
-35	15.2	19.3	38.1	69.3	118	237	520	843	1279	1717	2112	2563	3146	3689	4067	4305	4461	4556	4581
-30	14.4	19.0	39.9	72.1	126	283	615	1008	1449	1825	2152	2555	3015	3351	3543	3673	3740	3757	3756
-25	13.9	18.9	41.0	74.4	133	337	706	1122	1527	1794	2022	2300	2600	2799	2908	2978	3012	3020	3019
-20	13.4	18.8	42.0	76.8	139	391	797	1236	1604	1763	1892	2044	2185	2248	2273	2284	2284	2283	2282
-15	13.1	18.7	42.2	78.0	146	412	825	1254	1534	1644	1732	1855	1972	2052	2110	2143	2159	2172	2177
-10	12.7	18.7	42.4	79.1	152	432	853	1272	1463	1526	1572	1665	1759	1857	1948	2003	2035	2061	2072
-5	12.4	18.6	42.1	79.7	156	425	823	1202	1366	1422	1466	1553	1642	1749	1852	1917	1950	1972	1985
0	12.1	18.6	41.7	80.3	160	419	793	1132	1269	1319	1360	1441	1524	1642	1756	1831	1864	1884	1898
5	11.8	17.9	40.8	79.6	153	375	718	1035	1155	1207	1253	1331	1402	1499	1626	1707	1743	1763	1777
10	11.4	17.1	39.8	78.8	146	330	643	939	1041	1095	1147	1221	1281	1357	1496	1583	1622	1643	1656
15	11.3	16.7	38.8	77.4	137	287	513	786	892	961	1024	1096	1145	1186	1262	1323	1378	1415	1437
20	11.3	16.3	37.8	76.0	128	244	383	633	742	827	902	972	1009	1015	1029	1063	1134	1187	1217
25	11.8	16.3	36.4	71.4	118	206	297	454	562	658	741	813	862	879	892	909	943	971	988
30	12.4	16.3	35.0	66.8	108	169	211	275	382	489	580	655	714	743	755	754	753	755	759
35	13.5	17.0	34.1	62.4	99.4	150	203	244	320	401	486	564	628	668	691	705	716	725	731
40	14.7	17.7	33.1	58.0	90.5	130	194	213	258	313	391	473	543	593	627	655	679	695	702
45	15.7	18.3	31.6	52.9	80.5	114	164	194	234	286	355	429	500	564	620	672	716	745	757
50	16.7	18.9	30.1	47.9	70.4	97.7	134	175	210	259	319	385	456	535	613	689	754	795	811
55	17.2	19.0	28.2	42.4	60.7	83.6	113	152	188	242	310	388	472	564	647	713	758	786	795
60	17.7	19.2	26.3	36.9	51.0	69.6	92.3	129	167	224	302	390	487	592	681	736	763	777	780
65	17.6	18.7	23.6	31.6	42.1	56.1	73.6	101	133	183	254	339	433	525	594	630	639	637	634
70	17.4	18.3	20.8	26.4	33.2	42.7	54.8	72.2	99.0	142	206	288	379	457	507	525	515	497	488
75	17.0	17.5	19.1	22.6	27.0	33.0	40.7	51.9	68.8	95.1	134	188	249	308	348	363	352	329	316
80	16.5	16.7	17.4	18.8	20.7	23.3	26.6	31.5	38.6	48.6	62.9	86.9	119	159	189	201	189	161	144
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:220.1V I:2.283A P:499.5W PF:0.9939 Freq:49.98Hz Lamp Flux:65423.7x1 lm		
NAME: ITSP3500AS4000	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	138	133	130	128	122	113	104	93.5	81.7	70.0	60.7	53.0	46.6	40.7	36.3	32.1	28.7	27.0
-75	352	341	333	332	310	258	210	166	131	104	84.7	70.3	58.3	47.3	39.4	32.9	28.4	26.4
-70	565	548	536	536	498	402	316	239	180	138	109	87.7	70.0	53.8	42.5	33.7	28.1	25.9
-65	1147	1120	1079	1009	894	779	646	478	326	228	152	115	87.1	63.6	46.9	35.1	27.7	25.3
-60	1728	1693	1621	1481	1291	1155	976	717	472	318	195	142	104	73.3	51.3	36.4	27.3	24.7
-55	3297	3124	2878	2569	2152	1773	1456	1119	772	485	308	193	125	84.4	56.4	37.8	27.0	24.1
-50	4865	4556	4135	3657	3013	2391	1935	1520	1072	653	421	244	145	95.5	61.4	39.2	26.7	23.5
-45	5113	4879	4550	4145	3551	2868	2270	1804	1349	885	549	335	169	104	65.2	40.6	26.3	22.7
-40	5361	5202	4964	4633	4090	3345	2604	2088	1626	1117	677	426	192	112	69.0	42.0	25.9	21.9
-35	4561	4483	4339	4114	3751	3217	2614	2140	1741	1295	851	528	237	120	71.7	42.6	25.2	20.8
-30	3761	3765	3714	3595	3412	3090	2624	2193	1855	1472	1024	630	282	128	74.3	43.2	24.5	19.7
-25	3022	3024	2999	2933	2830	2640	2337	2046	1811	1543	1132	714	337	133	74.9	42.9	23.4	18.4
-20	2282	2283	2284	2272	2249	2191	2051	1899	1766	1615	1239	797	391	139	75.6	42.7	22.2	17.1
-15	2175	2165	2149	2117	2059	1976	1854	1730	1642	1538	1261	835	418	146	76.8	42.0	21.3	15.8
-10	2068	2046	2015	1962	1870	1762	1658	1561	1518	1461	1282	873	445	154	78.0	41.4	20.3	14.6
-5	1980	1960	1930	1867	1765	1646	1544	1452	1410	1358	1204	834	435	155	77.8	40.5	19.1	13.7
0	1892	1874	1845	1771	1660	1530	1430	1343	1303	1256	1125	794	426	157	77.5	39.6	17.8	12.8
5	1770	1751	1718	1638	1515	1402	1322	1238	1193	1146	1034	726	380	152	77.6	38.9	17.2	12.3
10	1649	1629	1591	1504	1370	1275	1214	1133	1083	1036	943	658	335	148	77.7	38.2	16.5	11.8
15	1421	1384	1327	1264	1189	1136	1085	1008	945	882	784	521	287	137	76.1	37.7	16.5	12.0
20	1193	1138	1063	1023	1007	997	957	882	808	728	626	385	239	127	74.5	37.2	16.4	12.2
25	974	945	907	888	873	853	804	729	648	557	449	297	204	118	71.2	36.5	16.9	12.8
30	755	751	752	752	740	709	651	576	489	387	273	210	169	109	67.9	35.8	17.4	13.5
35	725	714	700	684	660	618	552	473	395	321	242	200	148	98.8	62.8	34.7	18.2	14.6
40	695	677	649	616	579	527	454	370	301	254	210	190	127	89.0	57.7	33.6	18.9	15.8
45	746	716	668	611	550	484	412	339	276	230	189	160	111	78.8	52.4	32.0	19.5	16.9
50	797	755	687	606	522	440	370	309	252	205	168	131	94.9	68.7	47.0	30.4	20.2	18.0
55	785	757	709	642	553	458	372	297	232	181	144	109	80.3	58.8	41.3	28.1	20.2	18.6
60	772	758	731	678	585	476	374	285	211	158	121	87.1	65.7	48.8	35.6	25.9	20.2	19.1
65	630	629	620	586	518	426	330	242	174	126	94.3	69.1	52.7	40.2	30.6	23.6	19.7	18.9
70	488	500	510	495	451	376	285	200	136	93.9	67.7	51.0	39.8	31.6	25.5	21.2	19.2	18.7
75	321	338	350	338	302	246	184	130	90.6	64.9	48.6	38.2	31.1	25.8	22.1	19.6	18.4	18.1
80	154	177	189	180	154	115	83.3	60.0	45.3	35.8	29.5	25.3	22.3	20.1	18.7	18.0	17.6	17.4
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: