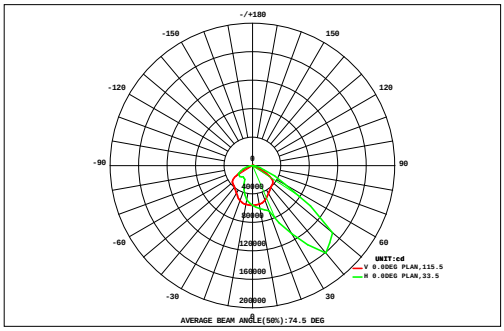
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		828.1 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	138.5V x 138.4H
	At 50% of Imax	33.5V x 115.5H
	At 90% of Imax	14.0V x 45.6H
Beam Flux	Total	998.4 lumens per klm.
	To 10% of Imax	922.3 lumens per klm.
	To 50% of Imax	344.6 lumens per klm.
	To 90% of Imax	65.9 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.8 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.4V I:6.788A P:1496W PF:0.9937 Freq:50.00Hz Lamp Flux:193605x1 lm		
NAME: ITSP31500AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:129.38lm/W	
MODEL		Imax(cd)	160322
NOMINAL POWER(W)	1500	AVAILABILITY(%)	92.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	179428
NOMINAL FLUX(lm)	193605	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	193605
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	1.70	6.18	13.9	28.5	61.6	136	248	316	291	283	302	242	132	58.4	26.6	13.2	6.08	1.78	2170	0.00
70	1.56	7.50	21.2	51.1	119	260	440	553	573	567	543	434	253	114	48.0	19.9	7.22	1.62	4013	2421
60	1.72	10.3	32.3	78.6	159	296	477	643	728	727	640	470	284	151	74.9	31.0	9.98	1.78	4817	3426
50	1.78	13.0	44.6	102	182	306	446	580	676	677	577	434	294	176	99.5	43.6	12.9	1.85	4667	3002
40	1.77	15.6	58.4	128	246	403	530	594	628	628	590	522	393	241	127	57.5	15.6	1.82	5180	3924
30	1.75	17.9	77.1	214	404	583	701	766	823	825	765	697	578	400	213	76.8	17.9	1.80	7163	6537
-30	1.84	19.7	114	395	615	809	963	1125	1258	1262	1128	961	799	604	393	114	19.4	1.81	10584	10288
-40	1.95	20.4	157	526	770	982	1238	1503	1603	1607	1513	1248	976	763	527	160	20.3	1.88	13619	13391
-50	2.04	20.6	181	609	905	1144	1432	1670	1773	1779	1681	1444	1139	896	608	183	20.4	2.01	15489	15284
-60	2.07	20.0	174	654	1043	1353	1653	1848	1939	1943	1855	1659	1352	1042	658	179	20.1	2.19	17396	17193
-70	2.04	19.1	148	603	1158	1690	2200	2461	2562	2563	2473	2219	1711	1169	608	149	19.2	2.35	21756	21549
-80	1.94	17.6	106	464	1121	1964	3038	3746	4059	4068	3781	3095	2008	1138	470	108	18.3	2.44	29207	28945
-90	1.86	15.6	70.8	300	883	1748	3036	4165	4798	4812	4191	3082	1771	895	301	71.6	16.6	2.43	30161	29771
	1.82	13.0	47.6	160	495	1097	1834	2692	3233	3247	2700	1847	1108	509	162	48.9	14.1	2.37	19213	18661
	1.86	10.3	32.3	75.9	193	455	670	815	829	816	786	644	448	194	75.3	33.3	11.4	2.33	6091	5034
	1.91	8.20	20.4	39.2	66.2	114	210	229	234	236	222	207	117	68.7	41.5	22.0	9.30	2.34	1848	0.00
	1.00	3.52	6.89	11.3	17.0	18.2	16.0	17.9	19.9	20.1	18.2	16.5	18.9	18.1	12.6	7.81	4.07	1.17	229	0.00
HORIZONTAL(DEG)																				
F t	30.6	238	1306	4442	8438	13358	19132	23723	26027	26062	23763	19223	13382	8438	4446	1320	243	34.0	193605	---
F a	0.00	0.00	331	3500	7267	11928	18125	23101	25379	25405	23129	18121	11957	7308	3512	364	0.00	0.00	---	179428

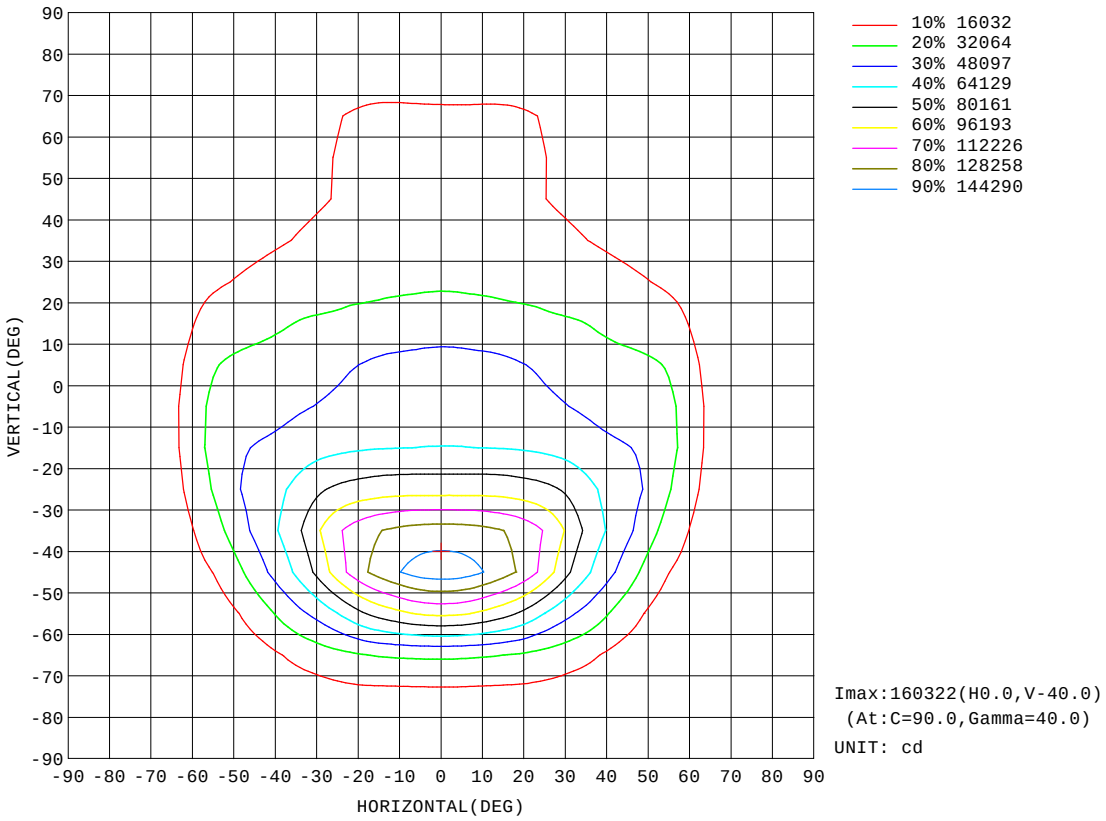
one-half-peak spread: U:16.8,D:17.0 , L:58.9,R:56.9 **NEMA Beam Type: Type 7**

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:20.600m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.4V I:6.788A P:1496W PF:0.9937 Freq:50.00Hz Lamp Flux:193605x1 lm		
NAME: ITSP31500AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

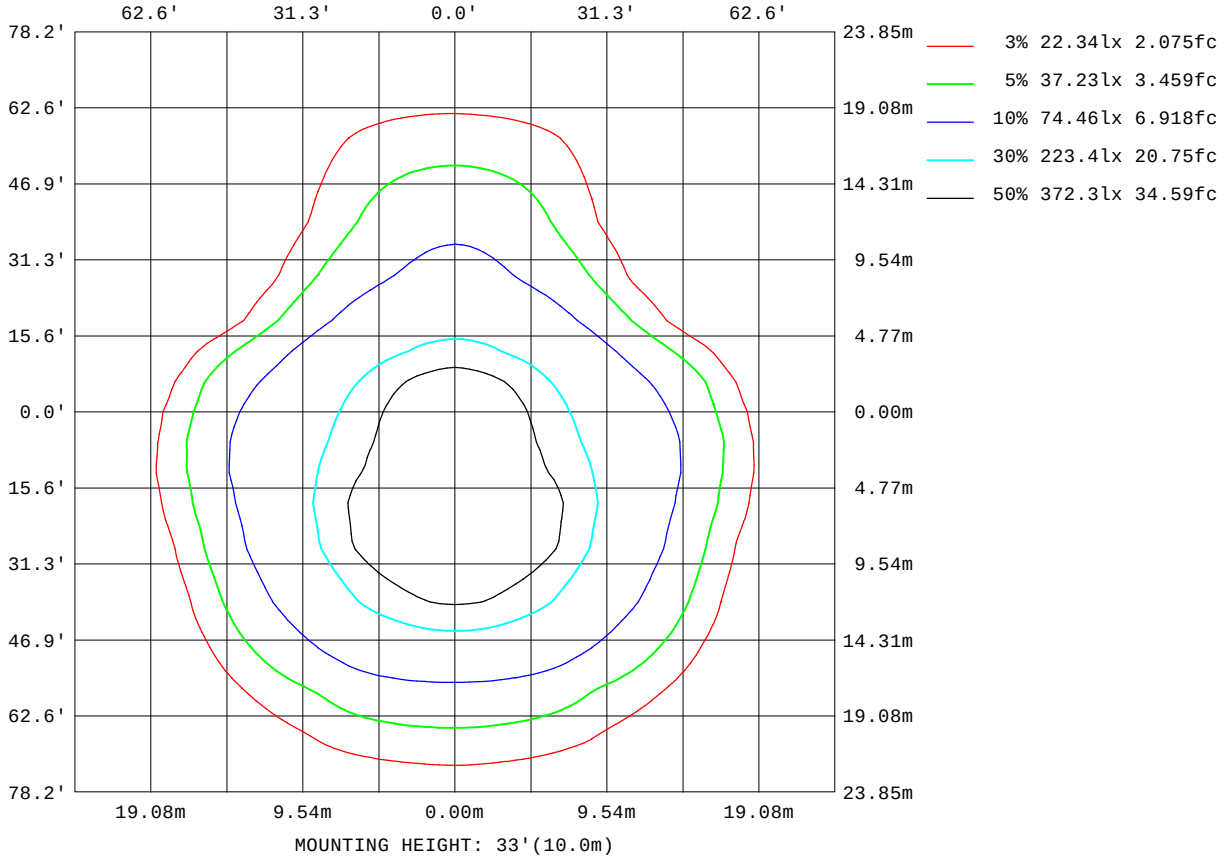


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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

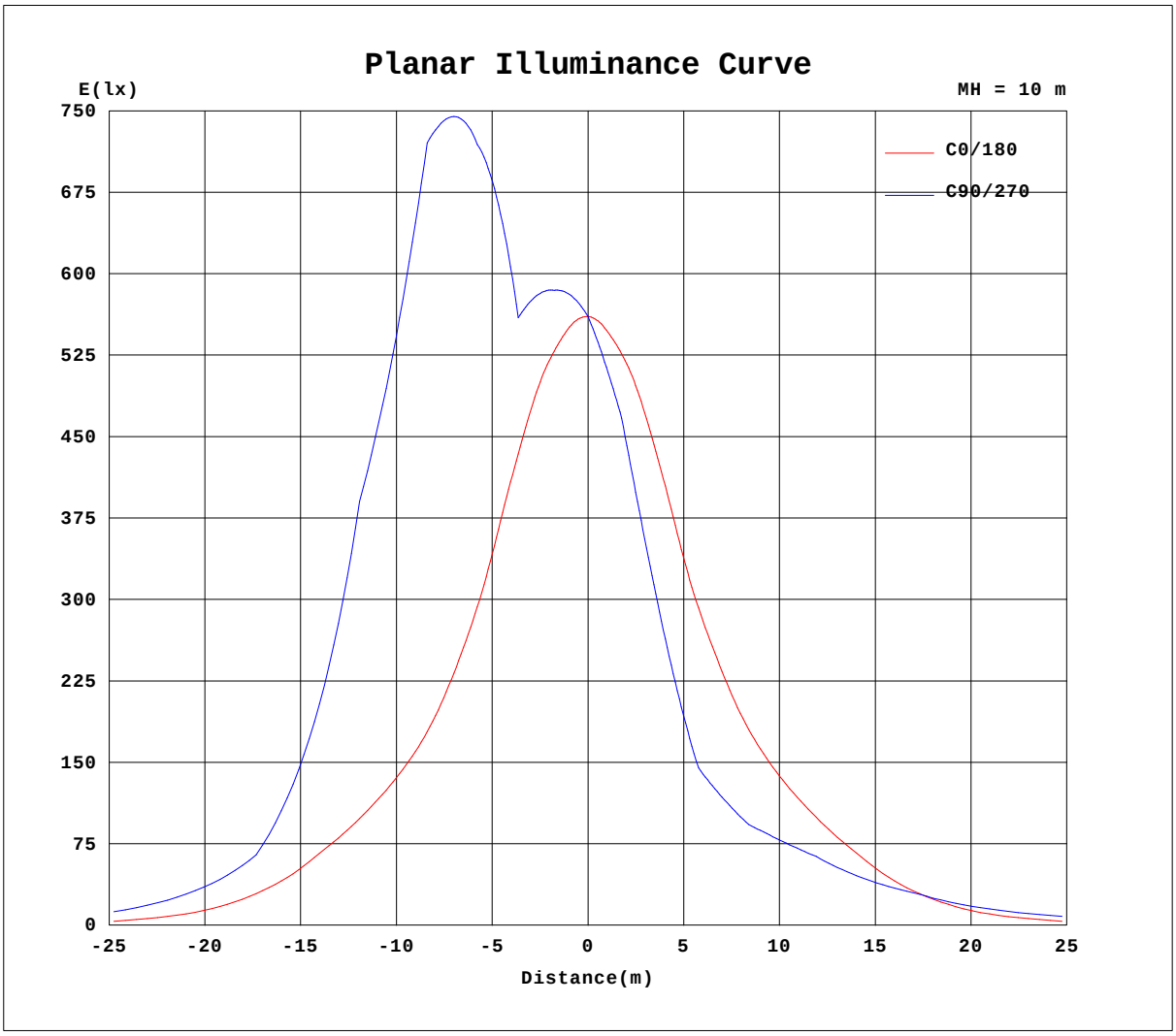
Test:U:220.4V I:6.788A P:1496W PF:0.9937 Freq:50.00Hz Lamp Flux:193605x1 lm		
NAME: ITSP31500AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



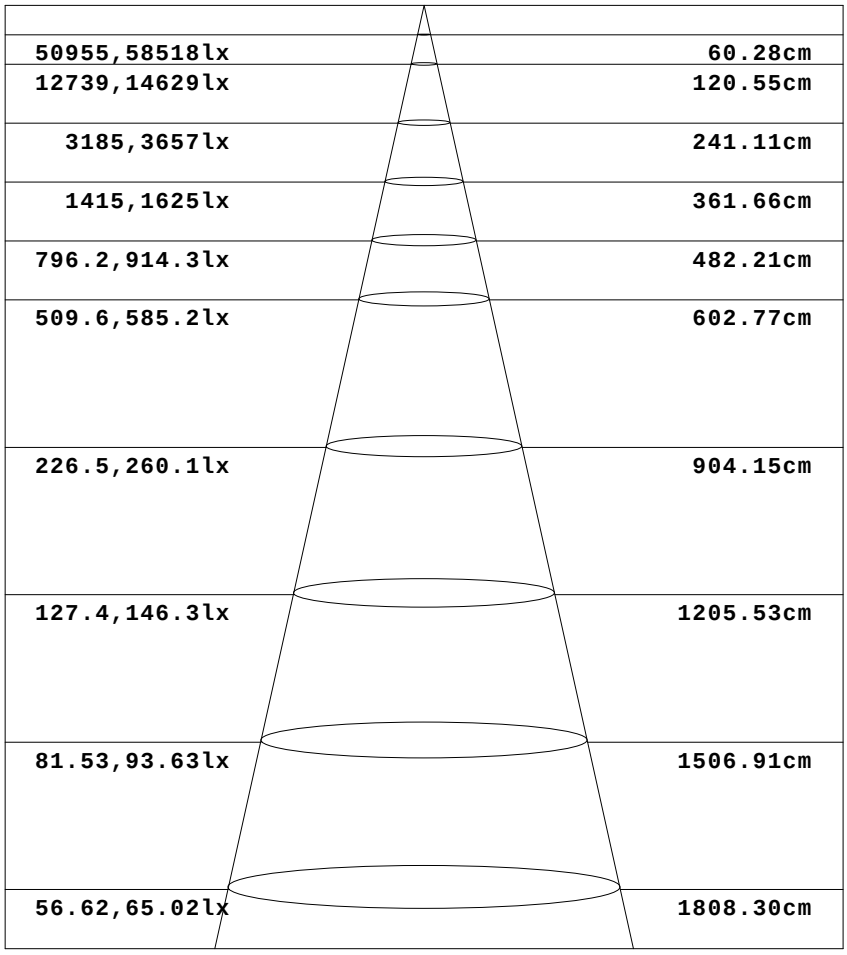
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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:220.4V I:6.788A P:1496W PF:0.9937 Freq:50.00Hz Lamp Flux:193605x1 lm		
NAME: ITSP31500AS4000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:14963 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:220.4V I:6.788A P:1496W PF:0.9937 Freq:50.00Hz Lamp Flux:193605x1 lm		
NAME: ITSP31500AS4000	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	6.83	7.17	7.99	9.35	10.7	12.4	14.3	16.6	19.5	23.2	27.0	30.3	33.4	36.4	38.4	39.3	39.9	41.0	42.1
-75	6.47	6.88	8.05	10.3	12.7	16.0	19.7	24.0	29.9	37.8	48.2	62.0	77.0	93.9	103	102	103	105	107
-70	6.10	6.60	8.11	11.2	14.8	19.6	25.1	31.4	40.3	52.4	69.5	93.6	121	151	168	165	166	169	172
-65	5.78	6.41	8.40	12.6	17.8	24.8	33.4	44.7	67.5	95.2	142	193	236	273	308	330	339	344	346
-60	5.46	6.22	8.69	13.9	20.8	30.0	41.6	58.1	94.7	138	214	293	351	395	448	495	512	518	520
-55	5.21	6.02	9.04	15.4	24.0	36.0	56.4	91.2	142	224	328	430	526	639	762	858	927	978	995
-50	4.96	5.81	9.40	16.8	27.1	42.0	71.2	124	188	309	442	567	701	882	1077	1222	1341	1437	1470
-45	4.72	5.71	9.99	18.2	29.9	49.3	98.7	163	259	394	529	665	837	1038	1219	1343	1439	1512	1537
-40	4.47	5.61	10.6	19.5	32.7	56.6	126	201	330	478	615	763	973	1195	1361	1464	1537	1587	1603
-35	4.27	5.54	11.1	20.4	34.9	70.2	154	250	380	510	627	760	933	1093	1204	1274	1320	1348	1355
-30	4.07	5.46	11.7	21.2	37.1	83.9	183	300	430	541	638	757	892	991	1047	1084	1104	1108	1108
-25	3.92	5.43	12.0	21.9	39.1	99.8	209	333	452	531	599	680	769	827	859	880	889	891	891
-20	3.78	5.41	12.3	22.5	41.1	116	236	366	475	522	559	604	646	664	671	675	675	675	674
-15	3.70	5.40	12.3	22.9	42.8	122	244	371	454	486	512	548	583	606	624	634	638	642	643
-10	3.63	5.39	12.4	23.2	44.6	128	252	377	433	451	465	492	520	549	576	592	601	609	612
-5	3.56	5.40	12.3	23.4	45.8	126	243	355	404	420	433	459	485	517	547	567	576	583	587
0	3.48	5.40	12.2	23.6	46.9	124	234	334	375	390	402	426	450	485	519	541	551	557	561
5	3.39	5.19	11.9	23.4	44.9	111	212	306	341	356	370	393	414	443	480	504	515	521	525
10	3.30	4.99	11.7	23.1	42.9	97.6	190	277	307	323	338	360	378	401	442	467	479	485	489
15	3.29	4.87	11.4	22.7	40.3	84.7	151	232	263	283	302	323	338	350	372	390	406	417	424
20	3.28	4.76	11.1	22.3	37.7	71.8	113	186	219	244	266	286	297	299	303	313	333	349	358
25	3.45	4.76	10.7	21.0	34.7	60.6	87.4	134	165	194	218	239	254	259	263	267	277	286	291
30	3.62	4.77	10.3	19.6	31.8	49.5	62.0	80.8	112	144	171	193	210	219	222	222	222	222	223
35	3.96	4.98	10.0	18.3	29.1	43.8	59.5	71.6	93.9	118	143	166	185	196	203	207	211	213	215
40	4.29	5.20	9.70	17.0	26.5	38.1	56.9	62.4	75.6	91.8	115	139	159	174	184	193	200	204	207
45	4.59	5.37	9.26	15.5	23.6	33.4	48.1	56.9	68.6	84.0	104	126	147	166	182	198	211	219	223
50	4.90	5.53	8.82	14.0	20.6	28.6	39.3	51.3	61.6	76.1	93.7	113	134	158	181	203	222	234	239
55	5.05	5.58	8.26	12.4	17.8	24.4	33.1	44.5	55.3	71.0	91.2	114	139	166	191	210	223	232	234
60	5.19	5.64	7.69	10.8	14.9	20.3	27.0	37.7	48.9	65.9	88.6	115	143	174	201	217	225	229	229
65	5.15	5.50	6.90	9.25	12.3	16.4	21.5	29.4	38.9	53.6	74.4	99.7	127	154	175	185	188	187	186
70	5.11	5.36	6.11	7.72	9.71	12.5	16.0	21.1	28.9	41.4	60.2	84.6	111	134	149	154	151	145	143
75	4.97	5.13	5.60	6.61	7.88	9.64	11.9	15.1	20.1	27.7	39.2	54.9	72.9	90.2	102	106	103	96.2	92.5
80	4.83	4.90	5.10	5.49	6.05	6.80	7.77	9.18	11.2	14.1	18.3	25.2	34.6	46.1	55.1	58.7	54.9	46.9	42.0
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:220.4V I:6.788A P:1496W PF:0.9937 Freq:50.00Hz Lamp Flux:193605x1 lm		
NAME: ITSP31500AS4000	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	41.4	39.9	39.0	38.2	36.5	33.8	31.1	27.9	24.3	20.8	18.0	15.7	13.8	12.0	10.7	9.50	8.50	7.99
-75	105	102	99.7	99.4	92.8	77.3	62.9	49.7	39.0	31.0	25.2	20.9	17.3	14.0	11.7	9.73	8.39	7.81
-70	169	164	160	161	149	121	94.7	71.5	53.6	41.2	32.3	26.1	20.8	15.9	12.6	9.95	8.29	7.63
-65	342	334	322	301	267	232	193	143	97.1	67.9	45.0	34.0	25.8	18.8	13.8	10.3	8.17	7.44
-60	515	504	483	442	385	344	291	214	140	94.5	57.7	41.9	30.8	21.6	15.1	10.7	8.04	7.25
-55	980	930	857	765	641	528	433	333	230	144	91.4	57.2	36.9	24.9	16.6	11.1	7.97	7.09
-50	1446	1355	1231	1089	897	711	576	452	319	194	125	72.4	42.9	28.2	18.1	11.6	7.90	6.93
-45	1518	1449	1351	1231	1055	852	674	536	401	263	163	99.4	50.0	30.7	19.3	12.0	7.79	6.71
-40	1589	1543	1472	1374	1213	993	773	620	483	332	201	126	57.0	33.2	20.4	12.4	7.67	6.50
-35	1349	1327	1284	1218	1111	953	775	635	517	384	252	157	70.3	35.5	21.2	12.6	7.46	6.16
-30	1109	1111	1097	1062	1009	914	777	650	550	436	304	187	83.7	37.9	21.9	12.8	7.24	5.83
-25	892	893	886	867	837	781	692	606	536	457	336	211	99.7	39.4	22.1	12.7	6.89	5.43
-20	674	675	675	671	664	647	606	562	523	478	367	236	116	40.9	22.2	12.6	6.53	5.02
-15	643	640	635	626	609	584	548	511	486	455	373	247	124	43.1	22.6	12.4	6.25	4.66
-10	612	605	596	580	553	521	490	461	449	432	379	258	131	45.4	22.9	12.2	5.97	4.30
-5	585	579	570	552	522	486	456	429	417	402	356	247	129	45.8	22.9	11.9	5.61	4.04
0	559	554	545	523	491	452	423	397	385	371	333	235	126	46.2	22.8	11.7	5.26	3.78
5	523	517	507	484	447	414	390	366	352	339	305	214	112	44.8	22.8	11.5	5.09	3.66
10	487	481	469	444	404	376	358	334	320	306	278	194	98.7	43.3	22.9	11.3	4.92	3.53
15	419	408	391	373	350	335	320	297	279	260	231	154	84.6	40.3	22.4	11.1	4.87	3.56
20	351	335	313	301	296	294	282	260	238	214	184	113	70.5	37.3	21.9	10.9	4.82	3.59
25	286	278	267	261	257	251	237	215	191	164	132	87.3	60.0	34.6	20.9	10.7	4.97	3.79
30	222	221	221	221	218	208	191	169	144	114	80.2	61.6	49.5	31.9	19.9	10.5	5.13	3.98
35	213	210	206	201	194	181	162	139	116	94.2	70.9	58.6	43.3	29.0	18.4	10.2	5.35	4.31
40	204	199	191	181	170	154	133	108	88.3	74.6	61.6	55.6	37.1	26.1	16.9	9.84	5.56	4.64
45	220	211	197	180	162	142	121	99.4	81.1	67.3	55.4	47.0	32.5	23.1	15.3	9.37	5.74	4.98
50	235	223	202	178	154	130	109	90.6	73.9	60.0	49.2	38.4	27.8	20.1	13.8	8.90	5.92	5.31
55	231	223	209	189	163	135	109	87.1	67.9	53.1	42.2	31.9	23.5	17.2	12.1	8.24	5.93	5.46
60	227	223	215	200	172	140	110	83.6	61.9	46.2	35.3	25.4	19.2	14.3	10.4	7.58	5.94	5.61
65	185	185	182	172	152	125	96.6	70.9	50.8	36.8	27.5	20.2	15.4	11.7	8.93	6.90	5.78	5.55
70	143	146	149	145	132	110	83.3	58.3	39.6	27.4	19.7	14.9	11.6	9.21	7.46	6.21	5.63	5.49
75	93.8	98.9	102	98.8	88.5	71.8	53.7	37.9	26.4	18.9	14.1	11.1	9.06	7.54	6.46	5.74	5.40	5.30
80	44.7	51.4	55.1	52.4	44.6	33.4	24.1	17.4	13.1	10.4	8.58	7.38	6.52	5.87	5.47	5.26	5.17	5.11
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: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: