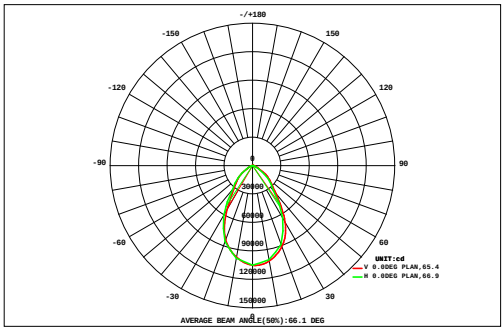
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		738.7 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 29.8H
Beam Flux	Total	1000.4 lumens per klm.
	To 10% of Imax	937.3 lumens per klm.
	To 50% of Imax	564.9 lumens per klm.
	To 90% of Imax	136.6 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.9V I:4.512A P:996.9W PF:0.9938 Freq:49.99Hz Lamp Flux:142591x1 lm		
NAME: ITSP31000604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:143.04lm/W	
MODEL		Imax(cd)	105326
NOMINAL POWER(W)	1000	AVAILABILITY(%)	94.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	134118
NOMINAL FLUX(lm)	142591	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	142591
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	0.97	3.31	7.24	13.1	20.7	30.0	39.8	46.2	50.6	52.4	46.3	40.2	31.3	21.5	13.5	7.52	3.45	0.97	429	0.00
70	0.76	3.60	10.7	23.8	44.2	80.0	121	145	147	143	139	126	89.1	49.2	25.4	11.5	3.92	0.80	1163	0.00
60	0.79	5.00	17.6	46.1	107	206	305	369	385	390	377	316	212	117	53.3	19.5	5.57	0.87	2933	1590
50	0.84	6.76	26.8	88.6	218	366	529	676	775	784	692	543	376	227	102	30.9	7.57	0.99	5451	4988
40	0.91	8.50	38.1	146	329	538	817	1107	1316	1336	1158	863	563	341	162	44.7	9.55	1.13	8779	8493
30	1.00	10.1	50.0	197	431	744	1253	1822	2177	2189	1873	1336	795	449	214	57.5	11.5	1.29	13612	13396
-30	1.10	11.5	59.8	233	510	946	1718	2433	2785	2794	2460	1789	1011	528	249	66.3	13.2	1.46	17609	17409
-40	1.21	12.7	66.0	256	564	1108	2011	2710	3065	3080	2739	2065	1166	582	272	72.4	14.6	1.61	19786	19592
-50	1.31	13.4	68.4	263	575	1142	2037	2735	3104	3112	2763	2085	1164	584	272	73.6	15.0	1.74	20011	19816
-60	1.38	13.2	64.5	245	532	1020	1806	2493	2851	2861	2534	1842	1012	536	253	69.6	14.7	1.82	18151	17954
-70	1.43	12.5	58.4	215	459	819	1389	1964	2301	2313	1980	1362	788	457	219	61.2	13.7	1.84	14415	14202
-80	1.43	11.2	48.4	168	358	597	914	1244	1468	1462	1218	876	576	357	170	48.6	12.4	1.81	9531	9264
-90	1.41	9.76	36.6	112	239	392	561	701	776	768	680	543	382	239	106	35.0	10.5	1.72	5592	5142
	1.37	7.93	25.7	64.1	135	233	337	415	444	438	400	328	231	129	57.5	24.9	8.38	1.61	3283	2272
	1.32	6.18	17.0	34.9	57.3	98.1	143	156	148	147	151	133	88.9	49.7	31.3	16.3	6.30	1.48	1287	0.00
	1.28	4.85	10.7	18.8	28.1	36.4	41.4	44.5	51.1	51.3	45.2	38.2	31.7	25.8	17.5	10.0	4.74	1.35	463	0.00
	0.65	2.19	3.85	5.38	6.91	8.19	8.65	8.30	8.16	7.43	7.87	7.29	6.28	5.19	4.17	3.00	1.81	0.61	95.9	0.00
F t	19.2	143	610	2131	4613	8364	14032	19069	21853	21928	19264	14292	8522	4697	2221	652	157	23.1	142591	---
F a	0.00	0.00	67.5	1416	4008	7801	13485	18498	21258	21362	18749	13787	7958	4131	1506	90.8	0.00	0.00	---	134118

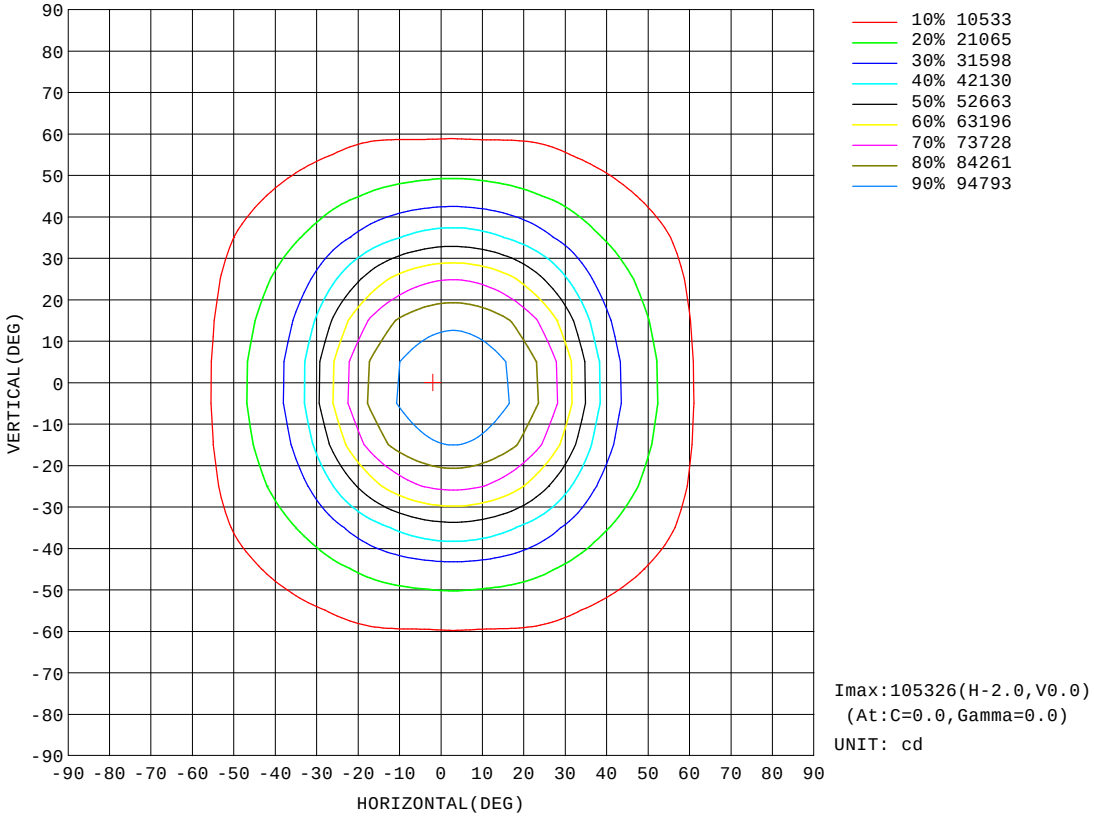
one-half-peak spread: U:34.0,D:33.2 , L:33.2,R:32.6 **NEMA Beam Type: Type 6**

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:16.800m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.9V I:4.512A P:996.9W PF:0.9938 Freq:49.99Hz Lamp Flux:142591x1 lm		
NAME: ITSP31000604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

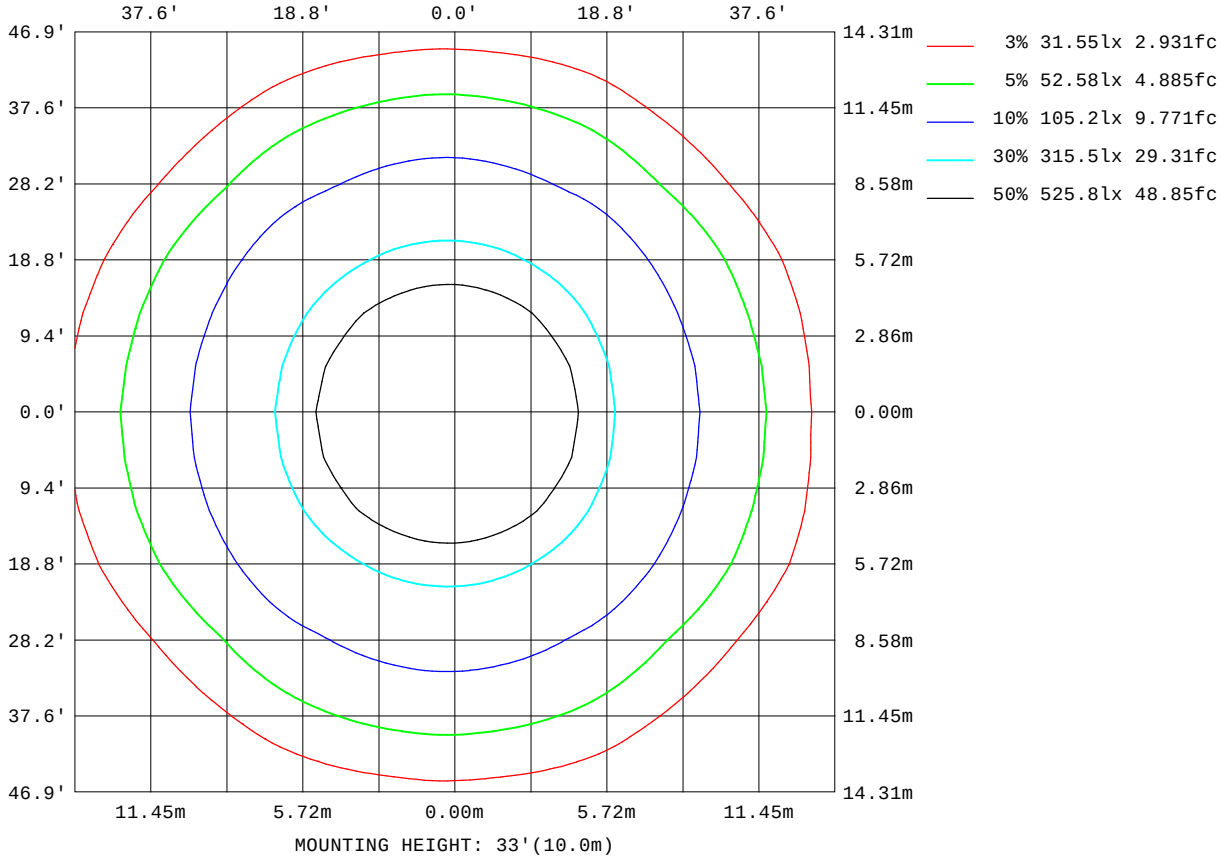


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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:16.800m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

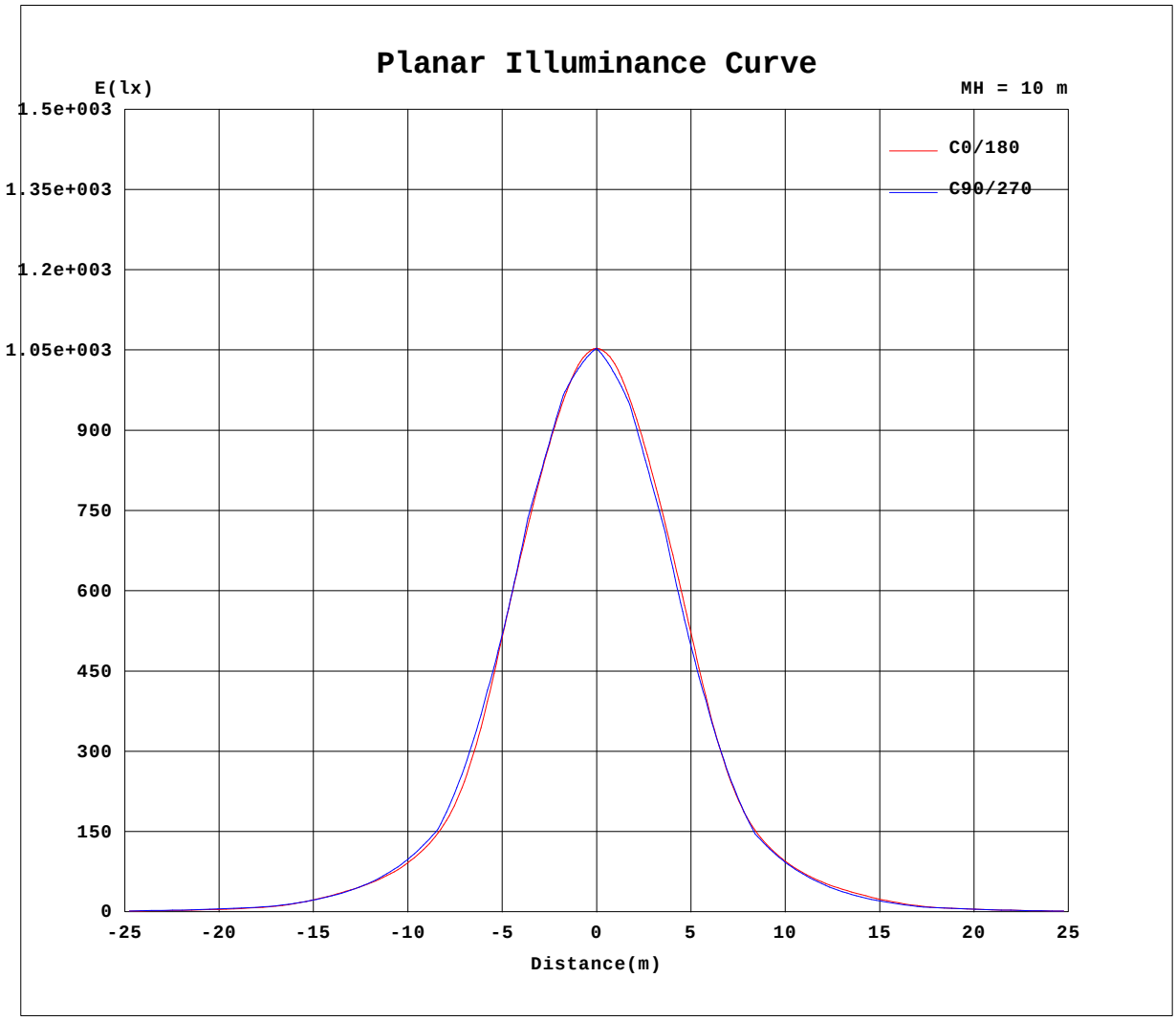
Test:U:220.9V I:4.512A P:996.9W PF:0.9938 Freq:49.99Hz Lamp Flux:142591x1 lm		
NAME: ITSP31000604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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:16.800m [K=1.0000]
Remarks:

Planar Illuminance Curve



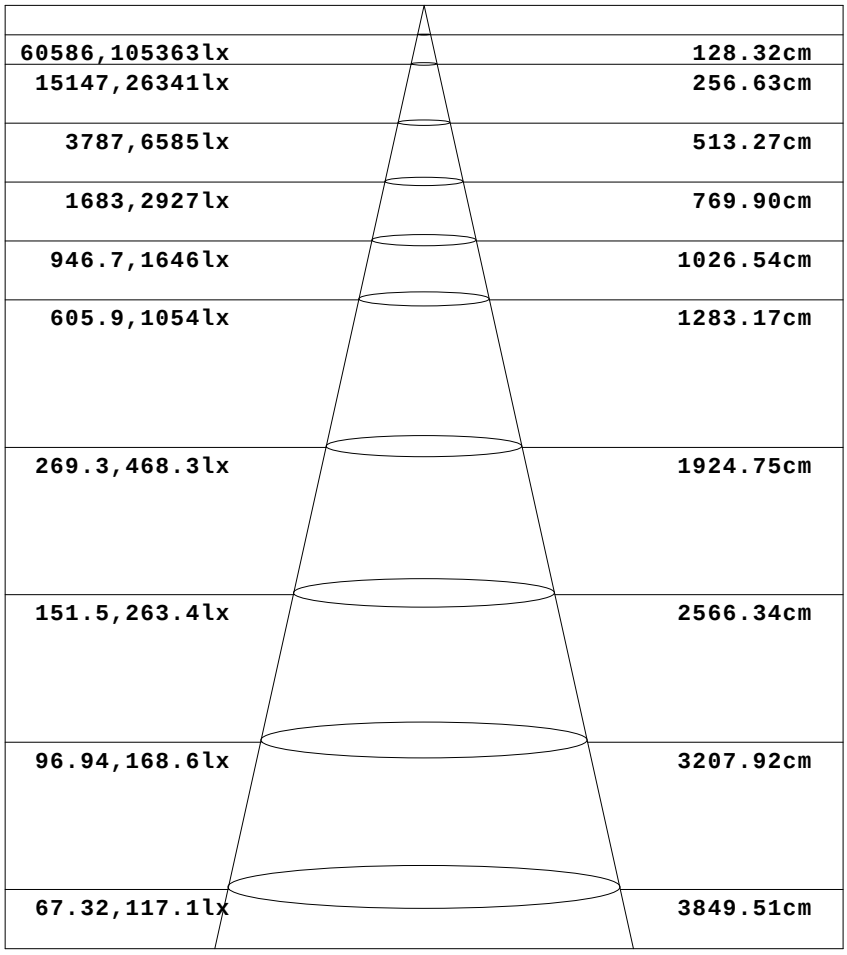
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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:16.800m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.9V I:4.512A P:996.9W PF:0.9938 Freq:49.99Hz Lamp Flux:142591x1 lm		
NAME: ITSP31000604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:80271 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:16.800m [K=1.0000]
Test Date:02 March 2020	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:4.512A P:996.9W PF:0.9938 Freq:49.99Hz Lamp Flux:142591x1 lm		
NAME: ITSP31000604000	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	4.58	4.66	5.04	5.48	5.95	6.46	6.98	7.43	7.95	8.51	9.08	9.58	10.00	10.3	10.4	10.4	10.3	10.4	10.5
-75	4.22	4.51	4.71	5.36	6.30	7.40	8.66	10.0	11.4	12.7	14.1	15.6	17.0	18.3	19.3	19.8	20.1	20.4	21.1
-70	4.43	4.76	5.69	7.11	8.85	10.9	13.1	15.3	17.4	19.8	22.1	24.3	26.6	28.2	29.2	29.9	30.6	31.8	32.2
-65	3.98	4.34	4.81	6.19	8.28	10.9	14.1	17.7	21.6	25.6	29.8	37.1	44.4	51.4	56.2	59.0	58.6	57.2	57.9
-60	4.25	4.87	6.70	9.44	12.9	17.3	22.4	28.0	33.7	39.9	52.1	64.5	76.1	84.2	88.8	87.4	83.8	83.9	84.4
-55	3.74	4.13	4.90	7.32	10.9	15.4	21.5	29.6	39.5	52.8	67.0	83.6	99.0	114	128	138	142	145	148
-50	4.00	4.93	7.94	12.4	17.9	25.6	36.7	51.1	71.9	94.1	115	134	151	171	186	197	206	211	212
-45	3.45	3.84	4.96	8.58	13.8	20.4	30.7	47.3	70.9	96.6	121	145	168	193	219	240	257	270	278
-40	3.68	5.00	9.22	15.1	22.9	35.8	57.9	90.6	121	148	174	202	235	267	294	316	334	344	345
-35	3.12	3.49	5.02	9.72	16.2	25.1	41.1	70.0	111	145	177	211	250	299	350	397	439	471	489
-30	3.30	5.03	10.2	17.2	27.4	46.5	82.1	131	169	206	247	299	364	433	501	562	608	634	636
-25	2.78	3.10	5.06	10.6	18.0	29.4	51.0	91.2	145	186	228	279	348	440	534	621	688	735	759
-20	2.90	5.09	10.9	18.7	31.5	55.6	100	159	203	251	310	398	516	635	740	815	861	884	885
-15	2.46	2.70	4.96	11.0	19.1	32.9	57.9	105	167	214	267	335	444	579	706	807	877	921	945
-10	2.51	4.84	11.1	19.5	34.2	60.2	109	176	225	282	361	489	642	777	873	939	982	1007	1009
-5	2.19	2.36	4.68	11.0	19.6	34.9	61.2	112	180	230	288	372	508	665	797	890	956	1002	1028
0	2.22	4.52	10.9	19.6	35.6	62.2	115	184	235	295	383	527	687	816	907	973	1021	1049	1050
5	1.97	2.13	4.32	10.5	18.9	34.1	60.1	111	178	228	287	369	504	658	789	881	947	993	1018
10	2.04	4.13	10.1	18.3	32.6	58.1	107	173	222	279	355	480	629	761	855	921	964	988	990
15	1.85	2.01	4.00	9.67	17.4	30.6	55.1	102	163	209	261	328	433	564	687	785	853	897	920
20	1.98	3.87	9.20	16.5	28.6	52.0	95.9	153	196	244	300	385	499	612	714	786	830	852	853
25	1.86	2.01	3.73	8.62	15.4	26.1	47.1	86.6	139	179	221	269	336	424	513	597	663	707	730
30	2.03	3.58	8.04	14.2	23.6	42.1	77.2	125	161	198	238	286	348	414	480	539	583	608	610
35	1.98	2.10	3.48	7.40	13.0	21.2	36.5	65.1	105	138	170	202	240	286	334	379	419	449	467
40	2.17	3.37	6.75	11.8	18.8	30.9	53.1	86.2	116	142	167	193	225	254	278	299	315	326	326
45	2.18	2.26	3.26	6.07	10.5	16.4	25.7	42.0	66.1	91.5	115	138	160	184	208	227	242	255	262
50	2.36	3.14	5.39	9.19	13.9	20.5	31.0	46.0	67.4	88.8	109	126	143	162	176	186	194	199	200
55	2.43	2.47	3.05	4.83	7.83	11.6	16.7	23.9	34.1	47.5	62.5	79.4	94.5	109	122	131	134	136	138
60	2.58	2.96	4.28	6.47	9.21	12.9	16.9	22.2	27.6	36.2	50.2	62.9	74.5	82.5	86.3	83.2	78.0	76.1	75.8
65	2.68	2.68	2.93	3.88	5.47	7.50	10.1	12.9	16.5	20.1	25.5	33.6	41.2	48.2	52.9	55.2	53.8	51.7	51.7
70	2.78	2.90	3.48	4.47	5.79	7.33	9.00	10.8	12.6	14.9	17.0	19.5	21.8	23.3	24.0	24.5	25.4	27.2	27.5
75	2.87	2.86	2.92	3.28	3.89	4.72	5.69	6.72	7.83	8.92	10.3	11.6	13.0	14.4	15.3	15.8	16.2	16.7	17.8
80	2.93	2.95	3.08	3.31	3.64	4.05	4.43	4.83	5.26	5.72	6.16	6.58	7.02	7.36	7.61	7.79	7.99	8.28	8.32
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:16.800m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:4.512A P:996.9W PF:0.9938 Freq:49.99Hz Lamp Flux:142591x1 lm		
NAME: ITSP31000604000	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	10.3	10.3	10.3	10.2	9.97	9.57	9.09	8.52	7.99	7.51	7.08	6.61	6.10	5.67	5.29	4.94	4.87	4.79
-75	21.3	20.7	20.2	19.9	19.3	18.4	17.1	15.7	14.4	13.0	11.7	10.4	8.99	7.74	6.68	5.83	5.19	4.97
-70	31.0	30.1	29.4	28.4	26.9	24.7	22.4	20.2	17.9	15.8	13.6	11.4	9.39	7.69	6.38	5.45	5.07	4.84
-65	58.3	57.0	57.9	58.6	56.4	52.2	45.5	38.1	30.6	26.0	22.2	18.5	14.9	11.7	9.13	7.14	5.69	5.13
-60	83.1	85.7	87.7	84.3	77.4	66.3	53.8	40.9	34.2	28.6	23.4	18.5	14.0	10.6	7.89	5.94	5.20	4.83
-55	148	145	142	138	130	116	101	86.1	69.6	55.2	41.6	31.2	23.0	16.9	12.3	8.72	6.17	5.20
-50	207	199	189	175	155	137	118	98.3	76.3	54.5	39.0	27.6	19.8	14.1	9.54	6.40	5.21	4.76
-45	278	271	259	243	223	197	171	148	125	101	75.1	50.9	33.0	22.4	15.6	10.3	6.56	5.13
-40	336	319	297	271	239	205	177	151	125	95.7	62.8	38.3	24.9	17.0	11.1	6.72	5.05	4.56
-35	491	475	445	404	356	305	255	215	181	150	117	76.8	45.2	27.7	18.3	11.7	6.85	4.92
-30	614	571	511	442	372	306	254	212	174	138	90.8	52.1	30.4	19.5	12.3	6.97	4.79	4.26
-25	761	740	697	632	545	450	356	284	234	191	151	99.3	56.5	32.4	20.1	12.6	6.96	4.59
-20	865	823	752	649	529	406	315	255	207	164	108	61.0	34.4	20.8	12.9	6.94	4.40	3.93
-15	947	927	885	819	722	596	456	343	272	219	173	113	63.1	36.2	21.3	13.0	6.78	4.19
-10	988	948	886	795	664	506	371	289	231	182	119	65.3	38.0	21.8	13.1	6.61	3.98	3.58
-5	1030	1007	964	902	813	684	523	381	294	234	185	121	65.6	38.4	21.6	12.9	6.36	3.76
0	1027	980	917	830	705	540	391	299	238	188	123	65.9	38.8	21.5	12.6	6.11	3.54	3.21
5	1020	998	955	893	804	678	518	377	291	232	183	119	64.2	37.4	20.8	12.2	5.81	3.34
10	969	930	868	778	650	496	363	284	227	179	116	62.5	36.1	20.2	11.8	5.50	3.14	2.87
15	922	901	861	796	702	580	444	333	265	213	168	109	59.1	33.3	18.9	11.1	5.15	2.97
20	834	793	724	626	509	391	303	245	199	157	101	55.7	30.5	17.7	10.3	4.81	2.80	2.59
25	731	711	669	606	523	431	340	271	223	181	143	91.9	50.5	27.8	16.4	9.59	4.52	2.68
30	588	546	487	420	352	289	240	201	164	129	82.4	45.2	25.0	15.2	8.84	4.23	2.57	2.41
35	468	452	422	382	337	288	241	203	171	140	108	68.7	38.4	22.1	13.7	8.00	3.96	2.52
40	316	299	278	253	224	193	167	142	116	88.1	55.0	31.5	19.1	12.2	7.16	3.68	2.46	2.34
45	263	255	242	227	208	183	159	138	115	92.2	67.3	43.0	26.0	16.6	10.8	6.36	3.48	2.47
50	194	186	175	162	143	125	108	89.3	68.2	46.5	31.0	20.5	14.1	9.32	5.56	3.27	2.47	2.42
55	138	135	134	130	122	109	93.8	78.8	62.2	47.5	33.9	23.7	16.6	11.6	7.83	4.87	3.11	2.52
60	76.7	81.3	84.4	81.4	74.0	62.1	49.2	35.0	26.7	21.4	16.3	12.6	9.10	6.33	4.19	2.95	2.57	2.56
65	51.7	51.1	52.8	54.0	52.1	47.7	40.7	32.9	24.8	19.5	15.9	12.5	9.81	7.33	5.32	3.78	2.89	2.65
70	25.5	24.2	23.5	22.7	21.4	19.2	16.7	14.6	12.3	10.5	8.68	7.02	5.56	4.30	3.36	2.84	2.73	2.75
75	17.9	16.8	16.0	15.5	14.9	14.1	12.8	11.3	10.0	8.61	7.49	6.41	5.41	4.50	3.73	3.18	2.87	2.82
80	8.00	7.72	7.46	7.16	6.80	6.36	5.92	5.44	4.95	4.51	4.13	3.79	3.44	3.17	2.99	2.90	2.90	2.91
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:16.800m [K=1.0000]
Remarks: