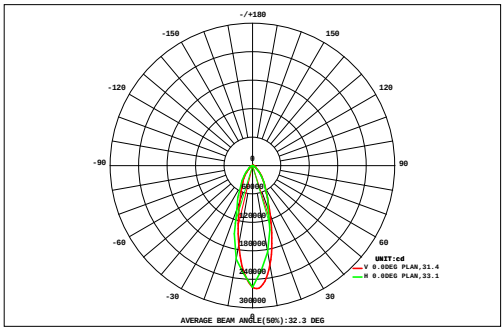
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		1819.1 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	83.2V x 81.3H
	At 50% of Imax	33.1V x 31.4H
	At 90% of Imax	8.6V x 11.4H
Beam Flux	Total	1000.3 lumens per klm.
	To 10% of Imax	813.2 lumens per klm.
	To 50% of Imax	305.1 lumens per klm.
	To 90% of Imax	32.2 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.6V I:2.278A P:997.6W PF:0.9943 Freq:50.00Hz Lamp Flux:142753x1 lm		
NAME: ITSP31000304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:143.10lm/W	
MODEL		Imax(cd)	259674
NOMINAL POWER(W)	1000	AVAILABILITY(%)	81.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	116849
NOMINAL FLUX(lm)	142753	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	142753
TEST VOLTAGE(V)	220	q @50%(H,V)	31,33DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)																			F t	F a
72	4.86	9.95	17.1	25.7	34.6	43.4	51.7	58.4	62.2	61.6	56.7	49.4	40.7	31.8	22.8	14.6	8.12	3.77	597	0.00
64	6.95	14.8	25.9	39.2	53.7	69.6	85.8	99.4	107	107	97.8	83.6	67.3	51.6	37.5	24.4	13.7	6.21	992	0.00
56	8.71	19.2	34.5	54.3	79.3	111	150	187	211	212	190	152	113	81.4	56.0	36.1	20.5	9.48	1725	0.00
48	11.0	24.6	44.8	74.4	120	188	272	350	396	400	362	290	205	133	81.5	48.2	26.7	12.3	3038	147
40	15.4	33.5	62.2	115	208	344	495	616	684	681	603	471	320	193	107	57.2	29.7	13.2	5050	3128
32	17.9	39.5	80.9	170	322	527	745	941	1077	1065	913	705	479	283	145	70.6	35.6	15.9	7633	6291
24	18.6	42.7	94.9	213	408	682	1026	1472	1853	1822	1418	1001	673	403	208	93.6	43.6	19.8	11491	10381
-24	18.8	44.0	100	235	465	796	1326	2242	3205	3307	2433	1448	869	516	273	120	51.3	23.0	17472	16511
-32	20.2	47.3	111	266	522	892	1560	2866	4285	4493	3235	1784	972	563	299	129	54.0	23.9	22123	21228
-40	23.8	55.2	136	319	594	1025	1906	3429	4685	4377	2864	1528	862	503	256	108	47.5	21.0	22741	21856
-48	22.4	51.3	121	281	532	891	1460	2387	3184	3096	2208	1337	814	478	246	106	47.5	21.3	17285	16340
-56	19.0	42.8	91.7	206	402	670	976	1347	1753	1879	1583	1116	725	434	230	106	48.2	22.0	11651	10553
-64	16.4	36.8	73.1	151	293	494	730	948	1120	1153	1015	796	560	343	186	90.8	44.7	21.1	8072	6752
-72	15.2	33.3	64.0	120	215	352	509	638	704	696	627	512	361	222	125	68.3	37.4	18.1	5316	3490
	15.0	31.1	56.0	94.5	152	232	320	388	414	401	353	272	185	120	77.2	48.5	27.9	13.4	3201	174
	11.4	23.1	39.9	60.4	84.9	112	144	175	195	194	175	146	116	87.6	61.6	40.1	23.3	11.6	1702	0.00
	7.81	15.6	26.8	40.6	55.3	71.5	87.6	102	112	115	109	96.6	79.3	61.7	45.2	30.3	18.2	9.56	1085	0.00
	5.62	10.4	17.1	25.5	34.5	43.2	51.4	57.8	61.8	62.5	59.4	53.6	45.8	36.9	28.0	19.4	12.1	6.78	632	0.00
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)		16	24	32	40	48	56	64	72		
F t	259	575	1198	2489	4576	7545	11896	18303	24110	24122	18301	11841	7489	4542	2486	1211	590	272	141806	---
F a	0.00	0.00	0.00	425	2346	5863	10363	16827	22652	22701	16822	10351	5785	2357	358	0.00	0.00	0.00	---	116849

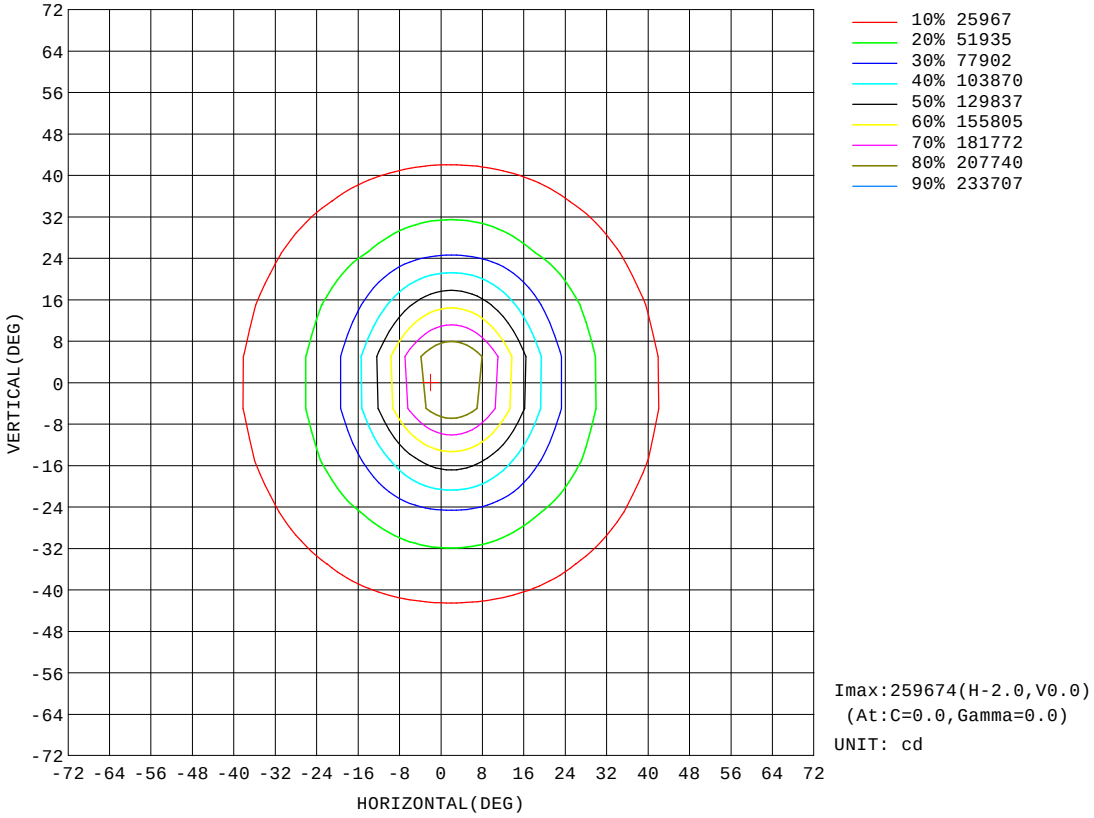
one-half-peak spread: U:16.4,D:17.0 , L:15.8,R:15.8 **NEMA Beam Type: Type 5**

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:220.6V I:2.278A P:997.6W PF:0.9943 Freq:50.00Hz Lamp Flux:142753x1 lm		
NAME: ITSP31000304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

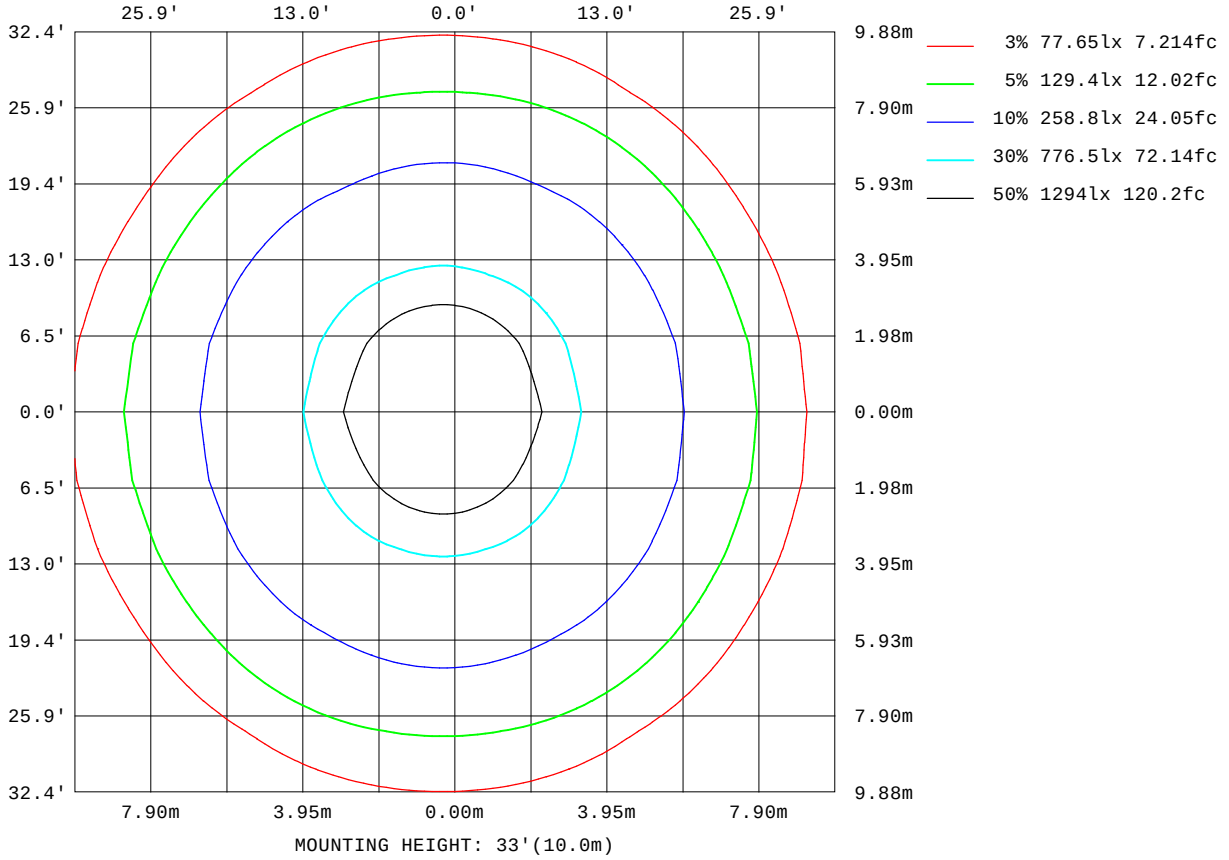


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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

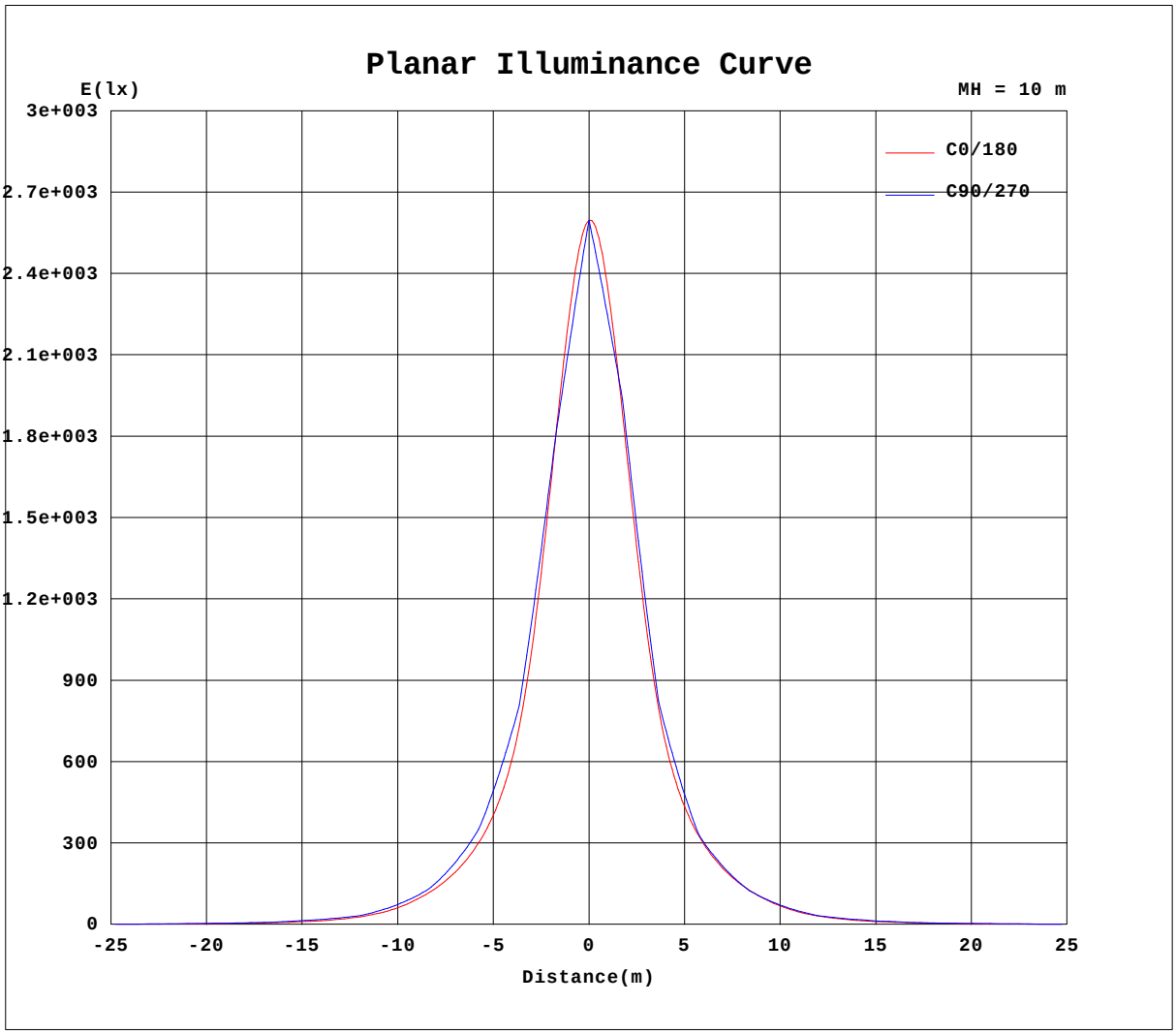
Test:U:220.6V I:2.278A P:997.6W PF:0.9943 Freq:50.00Hz Lamp Flux:142753x1 lm		
NAME: ITSP31000304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



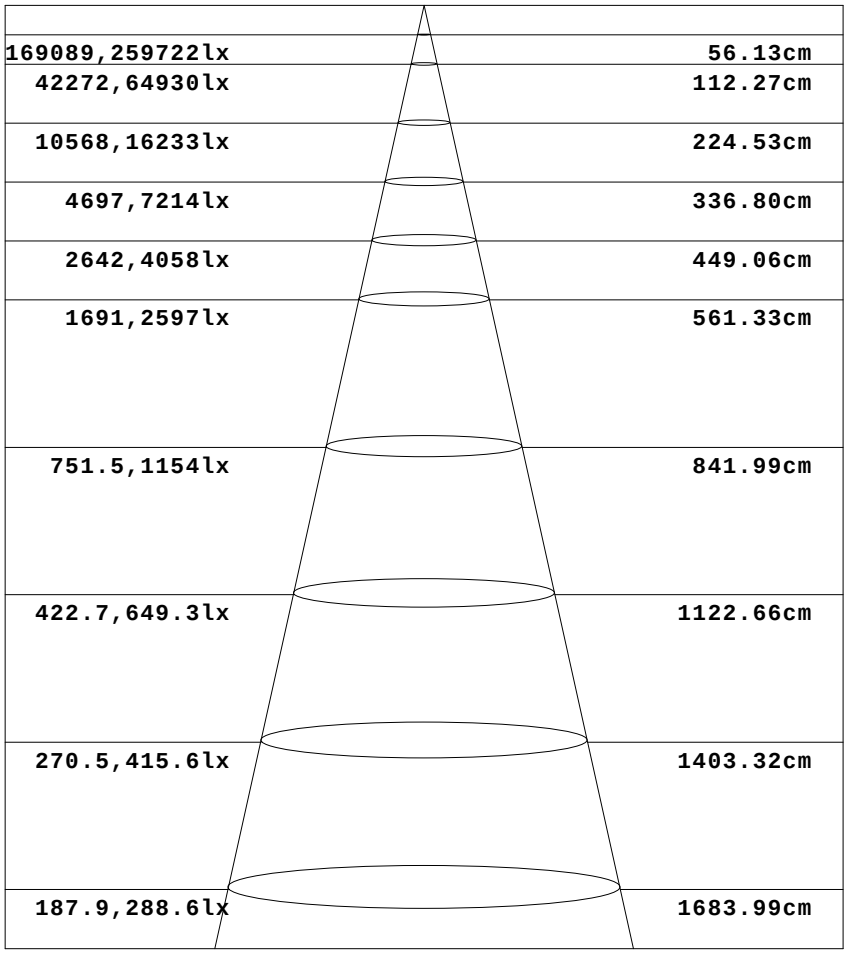
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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:220.6V I:2.278A P:997.6W PF:0.9943 Freq:50.00Hz Lamp Flux:142753x1 lm		
NAME: ITSP31000304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:43678 lm



Height Eavg,Emax Angle:31.36deg Diameter

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:220.6V I:2.278A P:997.6W PF:0.9943 Freq:50.00Hz Lamp Flux:142753x1 lm		
NAME: ITSP31000304000	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	4.00	4.01	4.33	4.62	4.87	5.15	5.50	5.89	6.30	6.71	7.14	7.54	7.92	8.26	8.54	8.76	8.96	9.10	9.11
-75	3.90	4.04	4.21	4.80	5.50	6.31	7.22	8.30	9.48	10.7	11.9	13.2	14.3	15.3	16.2	17.1	17.7	18.3	18.7
-70	4.05	4.25	5.00	6.10	7.41	8.90	10.7	12.6	14.6	16.7	18.7	20.6	22.3	23.9	25.3	26.5	27.4	28.1	28.2
-65	3.79	4.04	4.46	5.82	7.59	9.73	12.2	15.0	18.1	21.3	24.5	27.5	30.5	33.5	36.4	39.0	41.1	42.7	43.6
-60	3.95	4.35	5.95	8.35	11.2	14.5	18.2	22.3	26.7	31.0	35.2	39.3	43.6	47.8	51.7	55.0	57.4	58.8	59.0
-55	3.62	3.87	4.63	7.14	10.3	14.1	18.5	23.4	29.0	34.9	41.0	47.7	55.0	62.6	70.7	78.7	85.5	90.6	93.2
-50	3.70	4.34	7.12	10.9	15.4	20.6	26.6	33.3	40.6	48.5	57.4	67.7	78.5	90.3	103	114	122	127	128
-45	3.36	3.58	4.81	8.58	13.2	18.7	25.1	32.5	41.1	51.4	64.6	80.8	101	124	148	171	190	203	209
-40	3.35	4.37	8.37	13.5	19.7	26.9	35.3	45.3	57.6	75.0	97.0	125	159	196	231	260	280	290	290
-35	2.94	3.15	5.00	9.85	15.8	23.0	31.4	41.4	54.3	73.7	101	136	179	229	280	327	367	398	414
-30	2.81	4.26	9.25	15.6	23.2	32.2	43.1	57.4	80.7	114	161	215	278	344	406	460	505	534	537
-25	2.41	2.63	5.22	10.8	18.0	26.6	36.8	49.7	69.6	102	150	209	278	358	442	529	621	705	753
-20	2.28	4.38	9.93	17.4	26.4	37.0	50.4	71.8	109	164	232	311	404	505	616	745	874	960	968
-15	1.99	2.20	5.32	11.5	19.6	29.4	41.0	56.6	84.6	131	199	276	367	477	610	792	1030	1268	1410
-10	1.91	4.31	10.2	18.3	28.2	39.9	55.3	83.3	131	204	288	384	502	655	885	1214	1575	1826	1853
-5	1.71	1.91	5.17	11.7	20.3	30.7	43.1	60.6	94.0	150	229	317	420	553	746	1059	1491	1930	2205
0	1.66	4.11	10.1	18.6	28.8	41.0	57.2	88.1	141	220	310	411	543	743	1084	1584	2125	2516	2563
5	1.52	1.73	4.90	11.4	20.1	30.4	42.8	60.2	93.4	149	228	316	419	552	748	1072	1526	1990	2280
10	1.52	3.81	9.65	17.8	27.7	39.3	54.5	82.2	130	202	285	382	501	658	905	1274	1685	1971	2002
15	1.42	1.62	4.54	10.6	18.7	28.5	40.0	55.2	82.7	129	195	272	363	471	604	795	1058	1329	1492
20	1.46	3.53	8.77	16.2	25.2	35.6	48.6	69.5	105	160	227	304	394	490	596	729	874	975	984
25	1.42	1.59	4.12	9.42	16.6	25.1	35.1	47.4	66.7	98.3	146	203	271	347	426	508	600	690	743
30	1.50	3.19	7.64	13.9	21.5	30.3	40.7	54.2	76.4	110	155	209	269	330	385	432	473	499	502
35	1.53	1.66	3.68	8.04	13.9	21.0	29.2	38.7	50.8	69.1	95.5	131	173	221	269	312	348	376	390
40	1.65	2.95	6.43	11.4	17.5	24.6	32.6	41.6	53.3	69.3	91.1	120	153	190	223	250	269	278	279
45	1.70	1.78	3.25	6.55	11.1	16.6	22.8	29.9	37.7	47.3	59.4	75.3	94.8	118	143	166	185	197	203
50	1.80	2.64	5.12	8.84	13.3	18.4	24.2	30.5	37.1	44.2	52.5	61.8	72.8	85.8	99.5	112	122	127	127
55	1.87	1.92	2.82	5.06	8.23	12.0	16.4	21.3	26.6	32.0	37.6	43.7	50.3	58.1	66.8	75.5	83.2	88.8	91.5
60	1.96	2.37	3.93	6.25	9.20	12.6	16.4	20.5	24.7	28.6	32.3	36.1	40.2	44.3	48.1	51.5	54.1	55.6	55.7
65	2.03	2.06	2.49	3.75	5.58	7.85	10.6	13.5	16.7	19.9	23.0	25.8	28.6	31.6	34.5	37.0	39.3	41.0	41.8
70	2.13	2.28	2.97	4.09	5.55	7.39	9.41	11.6	13.9	16.2	18.2	20.0	21.8	23.5	25.0	26.2	27.2	27.9	27.9
75	2.21	2.22	2.36	2.84	3.59	4.55	5.76	7.07	8.50	10.0	11.4	12.8	14.0	15.2	16.2	17.2	17.9	18.5	18.9
80	2.30	2.34	2.47	2.75	3.13	3.62	4.18	4.78	5.50	6.16	6.82	7.45	8.08	8.61	9.00	9.36	9.63	9.80	9.77
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:220.6V I:2.278A P:997.6W PF:0.9943 Freq:50.00Hz Lamp Flux:142753x1 lm		
NAME: ITSP31000304000	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	9.00	8.80	8.54	8.27	7.94	7.58	7.18	6.77	6.38	6.01	5.64	5.32	5.05	4.82	4.61	4.35	4.25	4.20
-75	18.6	18.3	17.7	17.0	16.1	15.2	14.1	13.0	11.8	10.6	9.42	8.30	7.26	6.39	5.67	5.08	4.59	4.45
-70	27.8	26.8	25.7	24.3	22.8	21.1	19.3	17.4	15.4	13.3	11.4	9.58	8.07	6.78	5.77	5.00	4.66	4.45
-65	43.5	42.6	40.9	38.7	36.2	33.3	30.3	27.3	24.4	21.3	18.1	15.1	12.4	9.99	7.95	6.33	5.13	4.74
-60	57.9	55.7	52.7	49.1	45.0	40.7	36.6	32.5	28.4	24.1	20.0	16.2	12.8	9.86	7.48	5.62	4.90	4.60
-55	93.0	90.0	84.6	77.6	69.7	61.9	54.6	47.6	41.0	35.0	29.3	23.9	19.0	14.7	11.0	7.92	5.64	4.88
-50	124	116	105	93.6	81.9	71.4	61.4	52.0	43.9	36.7	29.8	23.7	18.3	13.5	9.48	6.33	5.00	4.61
-45	208	200	186	166	143	119	97.3	78.7	63.6	51.0	41.2	33.0	25.8	19.5	14.0	9.50	6.04	4.82
-40	281	263	236	202	166	132	103	80.8	62.9	49.4	39.3	30.6	23.1	16.6	11.2	6.86	4.84	4.40
-35	412	391	358	317	270	219	171	130	96.9	71.5	53.6	41.5	31.8	23.7	16.7	10.7	6.27	4.51
-30	512	468	416	358	293	229	173	125	89.4	63.7	48.1	36.7	27.4	19.3	12.5	7.21	4.46	3.97
-25	746	688	599	508	423	341	264	197	141	96.7	66.7	48.9	36.8	27.1	18.7	11.6	6.37	4.09
-20	893	767	635	522	422	328	247	178	119	79.6	55.4	41.3	30.4	21.1	13.3	7.31	4.04	3.52
-15	1394	1227	982	749	578	451	347	259	185	122	79.5	54.7	40.5	29.5	20.0	12.2	6.30	3.69
-10	1646	1298	947	694	528	404	305	221	146	93.5	61.4	44.6	32.6	22.5	13.9	7.21	3.72	3.22
-5	2175	1857	1404	982	694	517	393	295	211	137	87.3	57.9	42.2	30.6	20.6	12.2	6.04	3.34
0	2227	1696	1166	787	566	427	322	234	154	97.4	63.1	45.2	32.8	22.5	13.7	6.90	3.39	2.93
5	2248	1910	1433	990	694	515	390	293	209	135	86.2	57.0	41.6	30.0	20.0	11.7	5.60	3.02
10	1763	1365	971	695	523	399	299	216	143	91.0	59.6	43.2	31.4	21.4	12.9	6.29	3.03	2.64
15	1474	1281	1004	749	570	442	339	252	179	117	76.3	52.1	38.4	27.7	18.4	10.6	4.95	2.65
20	897	755	617	505	408	317	237	170	113	75.3	51.7	38.4	27.9	18.9	11.2	5.43	2.59	2.29
25	736	672	579	488	407	328	253	188	133	90.1	61.6	44.6	33.4	24.0	15.8	9.03	4.15	2.24
30	480	441	394	341	280	218	163	116	81.5	57.5	42.8	32.4	23.6	15.8	9.28	4.43	2.14	1.94
35	388	370	340	303	258	208	161	121	88.2	64.1	47.2	36.3	27.3	19.6	12.8	7.24	3.32	1.90
40	270	253	227	193	157	122	93.6	71.6	55.0	42.6	33.6	25.6	18.5	12.4	7.21	3.43	1.82	1.74
45	202	194	180	159	135	110	88.4	70.1	55.6	44.1	35.3	27.8	21.0	15.0	9.79	5.52	2.66	1.75
50	122	113	101	86.9	73.6	62.5	53.4	44.8	37.5	31.1	24.9	19.0	13.7	9.14	5.35	2.74	1.75	1.74
55	91.0	87.3	80.9	72.7	63.9	55.3	47.9	41.5	35.4	29.9	24.7	19.6	14.9	10.6	6.93	4.06	2.26	1.79
60	54.3	51.6	48.2	44.4	40.2	36.0	32.0	28.3	24.5	20.4	16.3	12.5	9.07	6.06	3.75	2.30	1.86	1.87
65	41.6	40.4	38.4	35.9	33.2	30.2	27.2	24.3	21.4	18.3	15.1	12.0	9.15	6.65	4.52	2.98	2.13	1.97
70	27.2	26.1	24.7	23.2	21.4	19.5	17.7	15.6	13.4	11.1	8.92	6.92	5.16	3.74	2.72	2.17	2.07	2.09
75	18.8	18.3	17.5	16.5	15.5	14.3	13.0	11.7	10.3	8.85	7.40	6.04	4.80	3.78	2.98	2.44	2.20	2.17
80	9.54	9.16	8.71	8.22	7.65	6.97	6.29	5.61	4.93	4.26	3.68	3.18	2.77	2.49	2.34	2.27	2.26	2.27
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: