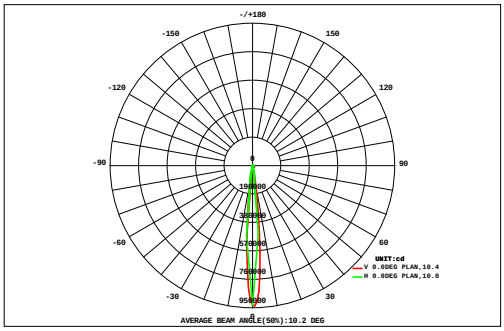
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		16688.9 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	20.7V x 20.1H
	At 50% of Imax	10.0V x 10.4H
	At 90% of Imax	3.6V x 4.6H
Beam Flux	Total	940.2 lumens per klm.
	To 10% of Imax	619.8 lumens per klm.
	To 50% of Imax	294.9 lumens per klm.
	To 90% of Imax	28.5 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	94.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.0V I:2.329A P:504.4W PF:0.9800 Freq:49.99Hz Lamp Flux:56124.4x1 lm		
NAME: ITSP3500104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:111.28lm/W	
MODEL		Imax(cd)	936654
NOMINAL POWER(W)	500	AVAILABILITY(%)	72.2
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	40537
NOMINAL FLUX(lm)	56124.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	56124
TEST VOLTAGE(V)	220	q @50%(H,V)	10,10DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-18	-16	-14	-12	-10	-8	-6	-4	4	6	8	10	12	14	16	18	F t	F a
18	5.36	5.91	7.33	9.91	13.1	16.5	19.7	21.9	22.5	21.3	18.5	14.9	11.5	8.54	6.31	5.21	4.85	4.79	218	0.00
16	6.00	7.14	8.61	10.6	14.4	21.1	30.1	40.3	49.5	55.5	55.2	48.8	39.0	28.8	19.8	12.7	8.57	7.18	463	0.00
14	6.79	8.78	10.2	11.0	15.4	27.0	44.6	66.9	89.8	107	111	101	81.3	60.3	40.9	24.4	14.3	10.8	831	88.1
12	7.37	9.80	11.3	11.9	16.8	31.0	53.0	81.1	110	132	138	125	101	75.0	50.6	29.8	17.0	12.6	1015	427
10	13.0	14.7	17.7	31.3	53.9	85.8	121	152	166	157	130	97.2	66.5	40.1	21.1	13.7	12.3	9.68	1203	700
8	15.2	17.1	20.6	38.3	67.3	107	149	185	199	183	145	104	68.2	38.2	17.8	11.9	12.5	9.89	1389	920
6	13.8	15.8	18.6	31.6	59.4	104	174	271	381	441	429	360	243	144	73.6	37.5	21.8	13.2	2833	2438
-6	10.3	12.5	14.0	17.4	39.9	88.7	198	386	646	826	860	753	511	309	162	77.9	36.0	18.1	4965	4650
-8	9.88	12.1	13.4	14.4	37.8	92.5	224	458	787	1021	1071	941	638	385	201	96.0	42.8	20.6	6066	5786
-10	15.7	20.6	45.2	105	226	456	811	1175	1280	1200	874	502	258	114	48.6	21.0	11.9	11.2	7175	6912
-12	17.4	23.2	55.4	133	287	580	1024	1461	1539	1390	949	482	216	74.1	24.1	8.04	6.17	9.76	8279	8035
-14	14.2	18.3	37.4	83.6	179	361	647	952	1075	1044	804	505	280	137	62.8	29.7	16.0	12.4	6258	6014
-16	8.31	9.34	4.70	0.23	0.00	0.00	2.43	41.0	218	407	537	552	401	255	136	68.1	34.1	17.2	2691	2487
-18	6.43	6.49	0.54	0.00	0.00	0.00	0.00	0.00	22.7	207	452	563	436	289	157	79.7	39.6	18.7	2280	2081
	11.1	13.8	16.3	22.8	34.8	48.7	55.6	47.9	29.6	21.3	13.4	8.17	6.97	5.68	4.90	6.21	8.40	7.30	363	0.00
	11.4	14.3	16.9	23.5	32.8	38.0	19.7	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	4.50	163	0.00
	8.61	11.0	13.2	17.2	21.7	24.0	16.0	20.6	27.4	32.5	33.9	31.0	25.8	19.5	13.6	8.99	6.28	6.36	338	0.00
	4.17	5.48	7.05	7.06	5.79	8.26	15.5	27.9	43.2	57.2	64.2	61.5	53.0	41.4	29.5	18.9	12.8	10.8	473	0.00
F t	185	226	318	568	1105	2090	3605	5388	6686	7303	6687	5250	3437	2024	1070	550	308	205	47004	---
F a	0.00	0.00	0.00	245	679	1466	3300	5070	6300	7013	6449	4788	2949	1547	702	30.3	0.00	0.00	---	40537

HORIZONTAL(DEG)

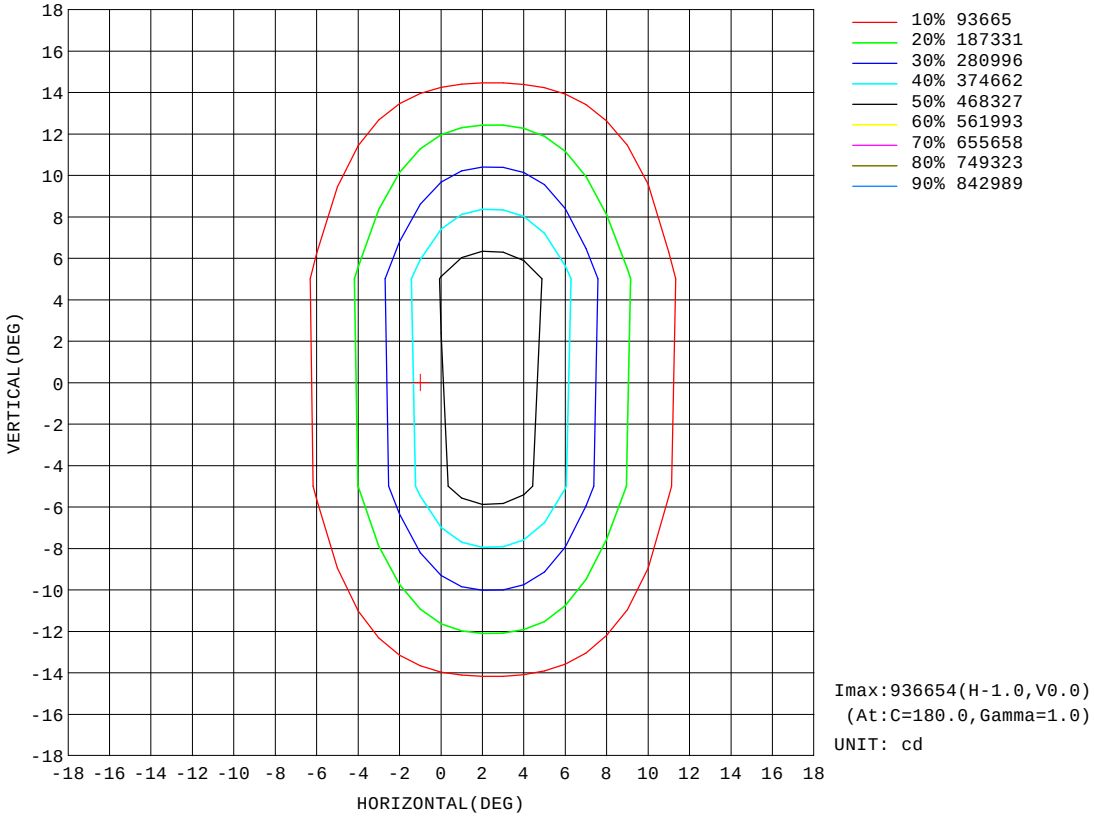
one-half-peak spread: U:4.9,D:5.1 , L:4.8,R:5.7 **NEMA Beam Type: Type 2**

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:30 May 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:2.329A P:504.4W PF:0.9800 Freq:49.99Hz Lamp Flux:56124.4x1 lm		
NAME: ITSP3500104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

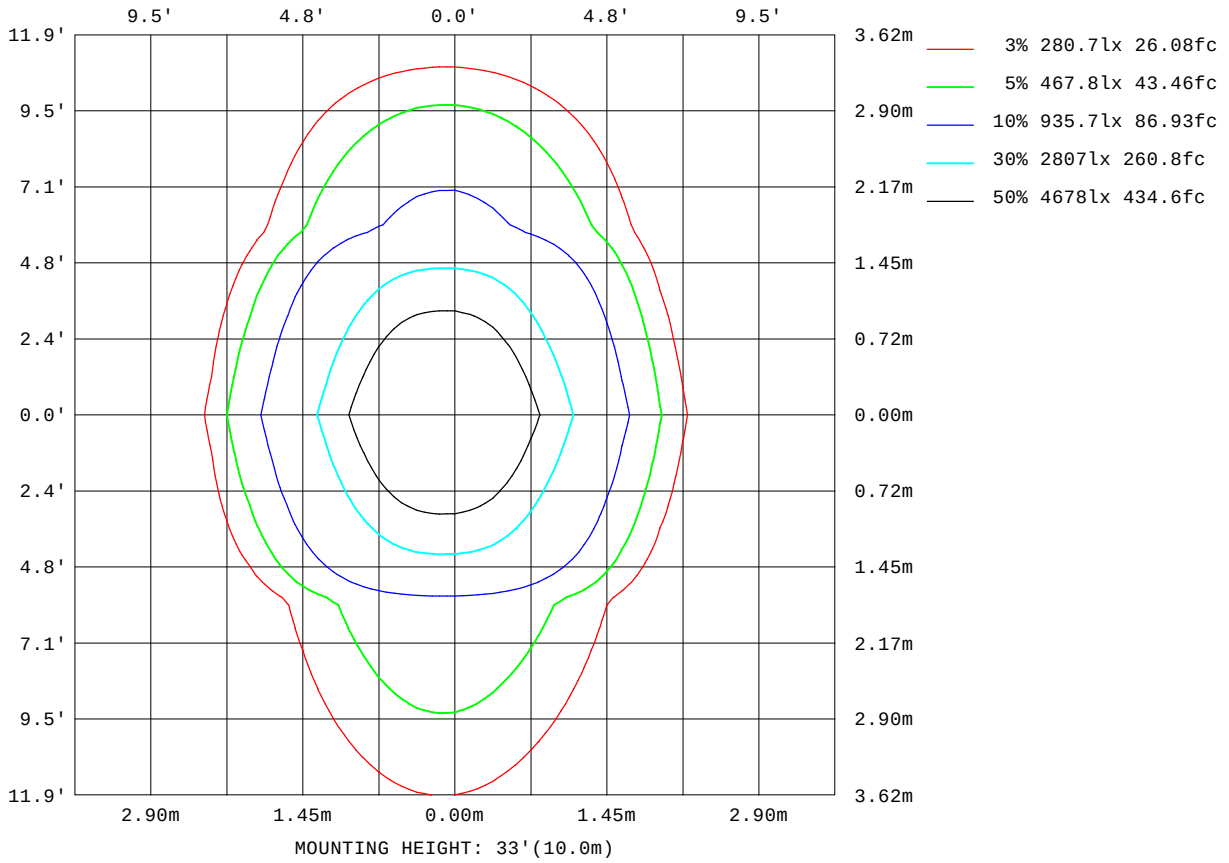


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:30 May 2020

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

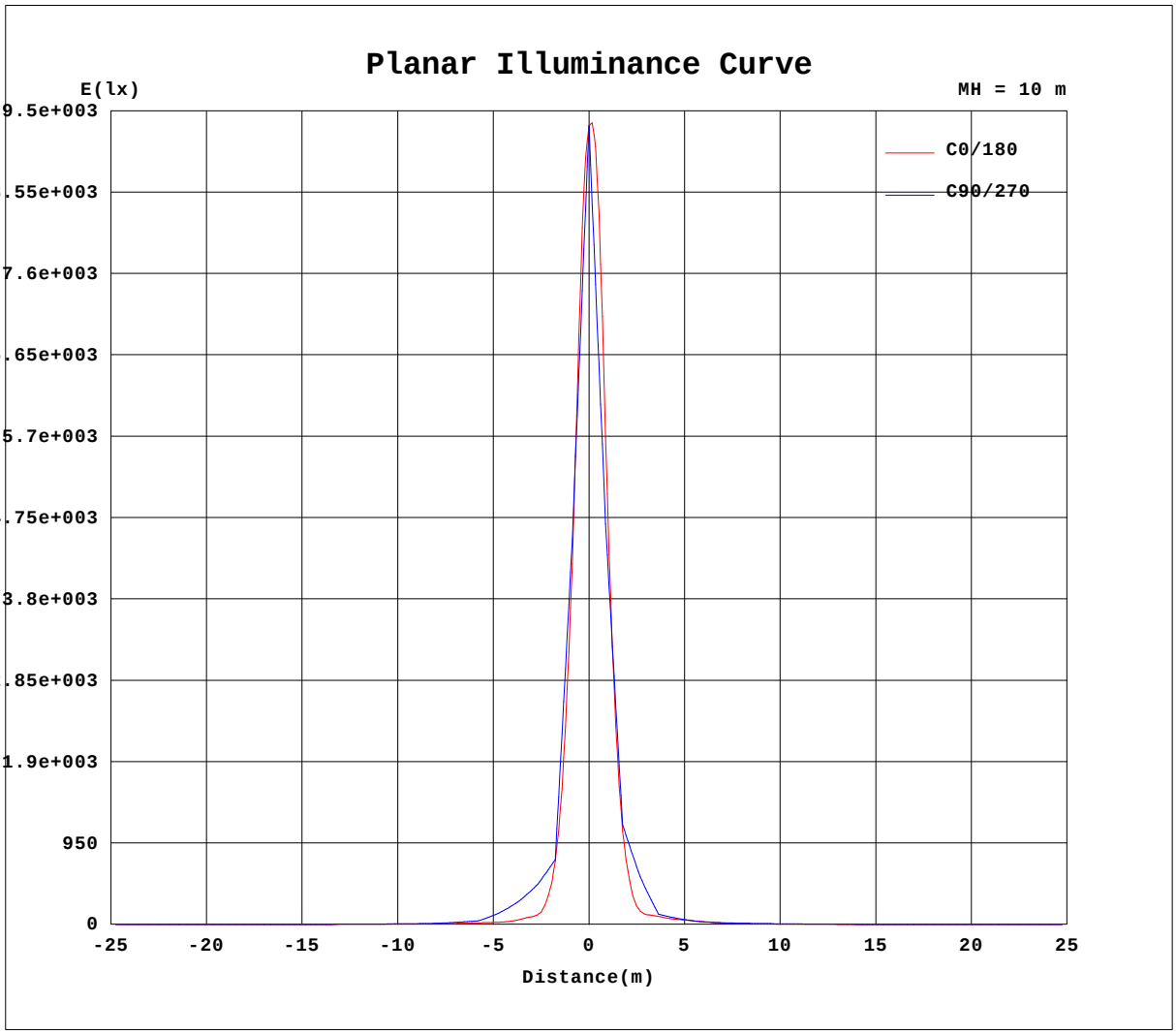
Test:U:221.0V I:2.329A P:504.4W PF:0.9800 Freq:49.99Hz Lamp Flux:56124.4x1 lm		
NAME: ITSP3500104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:30 May 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



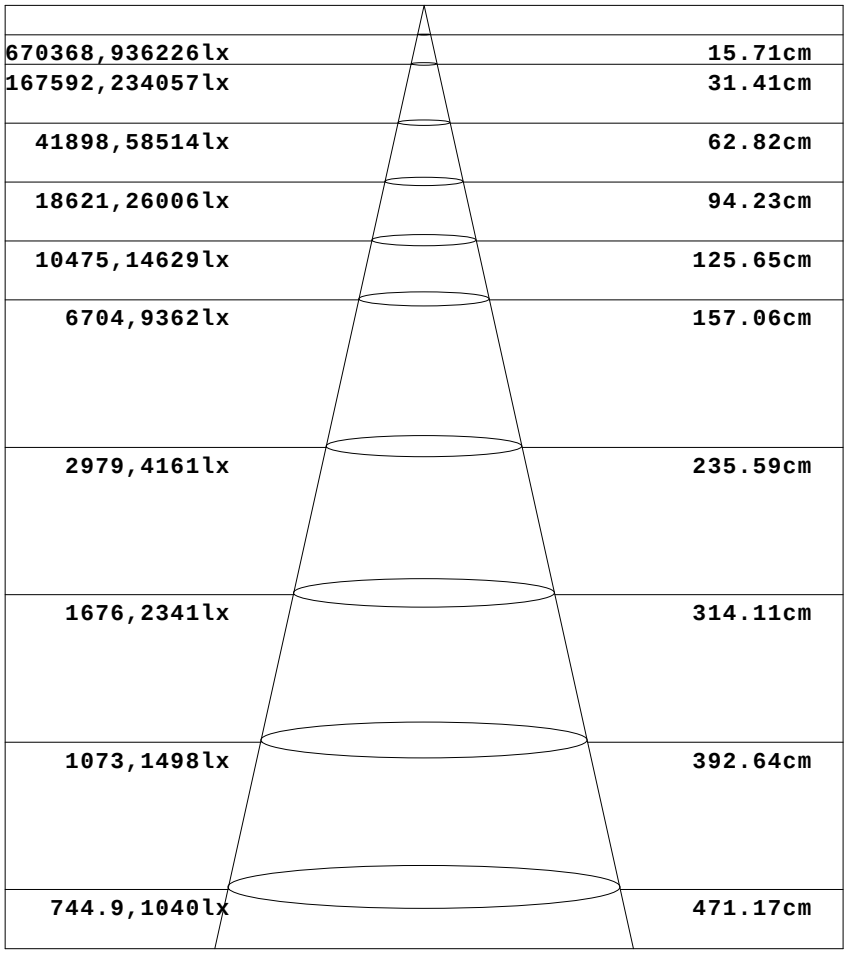
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:30 May 2020

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:2.329A P:504.4W PF:0.9800 Freq:49.99Hz Lamp Flux:56124.4x1 lm		
NAME: ITSP3500104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:13045 lm



Height Eavg,Emax Angle:8.98deg 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:11.900m [K=1.0000]
Test Date:30 May 2020	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.0V I:2.329A P:504.4W PF:0.9800 Freq:49.99Hz Lamp Flux:56124.4x1 lm		
NAME: ITSP3500104000	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	1.12	1.22	1.32	1.39	1.45	1.50	1.55	1.60	1.66	1.72	1.79	1.87	1.95	2.03	2.11	2.18	2.25	2.32	2.35
-75	1.14	1.24	1.35	1.48	1.60	1.74	1.89	2.06	2.22	2.40	2.58	2.77	2.98	3.19	3.40	3.58	3.72	3.84	3.93
-70	1.29	1.38	1.53	1.71	1.92	2.15	2.43	2.71	2.98	3.29	3.60	3.91	4.25	4.62	4.91	5.15	5.34	5.48	5.54
-65	1.17	1.24	1.36	1.58	1.85	2.19	2.59	3.06	3.48	3.96	4.47	5.01	5.60	6.17	6.74	7.23	7.68	7.95	8.15
-60	1.13	1.22	1.44	1.76	2.18	2.69	3.31	3.91	4.56	5.23	5.99	6.84	7.63	8.42	9.19	9.91	10.4	10.6	11.3
-55	1.07	1.10	1.25	1.60	2.05	2.65	3.39	4.27	5.13	6.12	7.29	8.58	9.94	11.2	12.4	13.3	14.1	14.7	15.1
-50	1.04	1.12	1.45	1.95	2.61	3.47	4.54	5.61	6.87	8.37	10.1	12.0	13.8	15.5	16.8	17.7	18.7	19.2	19.6
-45	1.07	1.03	1.24	1.74	2.37	3.19	4.28	5.63	7.17	8.93	11.0	13.2	15.2	17.1	18.7	20.1	21.5	22.7	23.4
-40	1.03	1.11	1.59	2.24	3.05	4.14	5.69	7.39	9.48	12.0	14.5	16.9	18.9	20.7	22.3	24.1	25.9	27.1	27.7
-35	0.85	0.81	1.12	1.76	2.56	3.68	5.20	7.10	9.26	11.7	14.1	16.0	17.9	20.2	23.5	28.2	34.0	41.1	47.4
-30	0.58	0.76	1.37	2.20	3.33	4.92	7.06	9.23	11.9	14.6	16.1	17.2	19.5	23.2	30.2	39.0	50.3	63.3	69.1
-25	0.49	0.53	0.95	1.70	2.75	4.27	6.36	8.90	11.6	14.4	15.8	16.7	18.7	23.8	32.8	42.4	59.7	109	188
-20	0.41	0.68	1.36	2.38	3.87	5.98	8.71	11.6	14.8	16.3	16.6	18.0	23.0	34.4	47.0	61.4	117	253	333
-15	0.37	0.45	0.92	1.76	3.01	4.83	7.32	10.3	13.8	16.6	17.1	18.6	22.8	30.6	41.0	66.1	107	265	522
-10	0.39	0.69	1.40	2.51	4.19	6.53	9.41	13.0	16.7	17.6	19.0	23.3	30.8	38.7	58.1	116	239	604	794
-5	0.36	0.45	0.92	1.79	3.13	5.07	7.72	11.0	15.0	17.9	19.4	24.0	34.5	51.6	66.2	104	245	1377	4548
0	0.39	0.68	1.39	2.53	4.25	6.65	9.83	13.7	17.6	19.5	24.3	35.6	58.3	80.5	116	176	1147	5756	9328
5	0.34	0.41	0.86	1.72	3.03	4.97	7.61	10.9	15.0	17.9	19.4	24.2	35.3	52.9	68.1	109	247	1444	4731
10	0.32	0.58	1.26	2.34	3.99	6.32	9.22	12.9	16.5	17.6	19.2	24.4	33.1	41.8	67.4	117	309	876	1223
15	0.29	0.35	0.75	1.55	2.76	4.55	7.02	10.1	13.6	16.5	17.2	18.8	23.7	31.8	40.9	65.7	97.6	299	622
20	0.28	0.51	1.12	2.09	3.53	5.61	8.32	11.4	14.8	16.4	16.7	18.1	23.3	32.2	39.2	44.4	75.2	125	148
25	0.27	0.31	0.67	1.37	2.40	3.95	6.10	8.67	11.6	14.6	16.0	16.7	18.4	22.7	29.6	33.9	40.9	65.2	94.1
30	0.27	0.46	0.97	1.79	2.98	4.73	6.94	9.31	12.3	14.9	16.2	16.7	18.0	21.1	26.1	28.5	32.6	41.8	54.0
35	0.34	0.37	0.66	1.24	2.08	3.33	5.00	6.95	9.28	11.9	14.1	15.6	16.7	18.0	20.7	23.5	26.1	31.3	39.0
40	0.41	0.56	0.97	1.63	2.55	3.85	5.49	7.24	9.30	11.7	14.0	15.8	16.8	17.6	18.8	21.3	25.1	29.6	32.3
45	0.44	0.46	0.67	1.10	1.72	2.61	3.75	5.09	6.64	8.40	10.4	12.4	14.1	15.6	17.0	18.8	21.4	24.6	27.3
50	0.48	0.57	0.84	1.27	1.88	2.69	3.71	4.73	5.96	7.51	9.30	11.3	13.2	15.2	17.2	19.3	21.6	23.2	23.6
55	0.40	0.41	0.55	0.83	1.25	1.82	2.52	3.35	4.20	5.19	6.40	7.80	9.31	10.9	12.4	13.9	15.6	17.0	17.8
60	0.33	0.38	0.57	0.85	1.26	1.76	2.35	2.94	3.57	4.28	5.14	6.14	7.28	8.40	9.54	10.5	11.5	11.9	11.9
65	0.35	0.35	0.43	0.60	0.85	1.18	1.58	2.04	2.49	2.98	3.54	4.19	4.93	5.71	6.49	7.20	7.94	8.36	8.58
70	0.37	0.39	0.48	0.62	0.82	1.07	1.36	1.68	1.98	2.34	2.70	3.10	3.53	3.97	4.35	4.69	4.98	5.16	5.25
75	0.40	0.41	0.43	0.51	0.62	0.76	0.92	1.12	1.31	1.53	1.76	2.00	2.27	2.53	2.79	3.01	3.21	3.38	3.47
80	0.44	0.45	0.47	0.52	0.57	0.64	0.71	0.80	0.89	0.99	1.10	1.21	1.33	1.42	1.51	1.58	1.66	1.71	1.73
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:30 May 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:2.329A P:504.4W PF:0.9800 Freq:49.99Hz Lamp Flux:56124.4x1 lm		
NAME: ITSP3500104000	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	2.33	2.28	2.21	2.15	2.09	2.02	1.94	1.86	1.78	1.72	1.66	1.61	1.55	1.51	1.48	1.42	1.35	1.20
-75	3.94	3.87	3.76	3.60	3.44	3.25	3.05	2.85	2.67	2.49	2.32	2.16	1.99	1.84	1.71	1.61	1.50	1.41
-70	5.48	5.35	5.13	4.87	4.58	4.25	3.93	3.63	3.35	3.06	2.79	2.50	2.23	2.01	1.82	1.66	1.55	1.46
-65	8.22	8.08	7.79	7.29	6.84	6.27	5.70	5.12	4.60	4.11	3.63	3.20	2.73	2.35	2.04	1.81	1.62	1.53
-60	10.8	10.5	9.91	9.20	8.43	7.61	6.78	5.97	5.26	4.59	3.95	3.30	2.75	2.30	1.97	1.70	1.57	1.53
-55	15.3	15.0	14.5	13.7	12.8	11.6	10.3	9.02	7.76	6.62	5.63	4.70	3.81	3.06	2.47	2.03	1.70	1.57
-50	19.4	19.0	18.2	17.2	15.7	14.1	12.3	10.5	8.86	7.46	6.12	4.99	3.94	3.08	2.43	1.92	1.64	1.54
-45	23.6	23.1	22.2	21.1	20.0	18.6	16.9	14.9	12.7	10.5	8.61	6.90	5.42	4.17	3.18	2.43	1.89	1.65
-40	27.2	26.2	24.9	23.8	22.7	21.0	19.1	16.6	13.8	11.2	8.89	7.02	5.35	3.99	2.98	2.24	1.79	1.66
-35	47.5	41.6	35.2	30.6	27.0	23.9	21.6	19.6	17.3	14.3	11.3	8.73	6.59	4.80	3.44	2.47	1.78	1.47
-30	61.3	48.9	39.7	33.2	27.2	23.9	21.7	19.9	17.3	13.7	10.4	7.86	5.58	3.87	2.65	1.82	1.30	1.18
-25	184	106	60.3	45.7	37.1	27.7	22.3	20.2	18.8	16.5	13.0	9.85	7.23	5.06	3.44	2.29	1.53	1.14
-20	213	97.7	59.5	48.6	35.2	24.0	19.8	18.9	18.0	15.2	11.5	8.62	6.12	4.19	2.75	1.78	1.16	0.98
-15	511	269	107	64.8	41.2	30.3	23.0	19.9	19.2	18.4	14.9	11.0	7.99	5.51	3.67	2.37	1.52	1.05
-10	528	204	99.9	46.2	33.7	26.7	21.6	20.0	19.9	17.9	13.4	9.63	6.78	4.50	2.90	1.85	1.18	0.94
-5	4437	1373	248	88.7	44.9	33.2	26.6	22.1	20.8	20.3	16.6	12.0	8.61	5.90	3.88	2.48	1.53	1.02
0	4257	774	128	71.5	38.8	31.4	25.5	22.2	21.4	19.0	14.0	10.1	7.08	4.73	3.02	1.87	1.15	0.90
5	4629	1454	254	92.2	45.0	33.5	27.1	22.6	21.1	20.7	16.8	12.1	8.67	5.92	3.89	2.48	1.51	0.99
10	772	262	103	49.1	34.0	27.6	22.7	20.7	20.7	18.4	13.6	9.78	6.84	4.53	2.92	1.83	1.14	0.89
15	623	319	101	61.0	36.8	28.5	22.5	19.6	19.3	18.8	15.1	11.1	7.94	5.40	3.55	2.26	1.39	0.91
20	114	64.7	41.8	37.3	28.9	21.5	18.1	17.9	17.9	15.2	11.4	8.40	5.89	3.93	2.51	1.56	0.96	0.76
25	98.2	70.1	42.6	33.9	29.1	22.2	18.6	17.5	17.1	15.5	12.1	9.07	6.47	4.38	2.82	1.75	1.02	0.64
30	52.5	38.5	29.8	25.6	20.4	18.1	17.2	16.7	14.9	11.8	8.80	6.52	4.42	2.85	1.75	0.98	0.52	0.40
35	44.0	38.0	28.7	24.1	21.1	18.3	17.1	16.1	14.4	11.9	9.09	6.91	4.90	3.28	2.06	1.23	0.66	0.37
40	30.7	25.6	21.3	19.0	17.8	17.0	15.8	13.7	11.1	8.51	6.48	4.88	3.32	2.15	1.31	0.72	0.36	0.28
45	27.7	25.1	21.5	18.9	17.2	15.9	14.4	12.7	10.5	8.27	6.44	4.98	3.60	2.46	1.58	0.95	0.52	0.31
50	22.2	20.2	18.3	16.6	14.9	13.0	11.0	9.04	7.22	5.71	4.49	3.43	2.44	1.66	1.05	0.62	0.35	0.30
55	17.5	16.4	15.1	13.7	12.3	10.9	9.42	7.92	6.51	5.25	4.24	3.38	2.52	1.80	1.22	0.78	0.48	0.34
60	11.6	11.1	10.1	9.17	8.15	7.07	6.02	5.07	4.25	3.54	2.90	2.27	1.70	1.22	0.83	0.55	0.38	0.36
65	8.51	8.21	7.78	7.15	6.47	5.72	4.96	4.26	3.63	3.08	2.58	2.13	1.65	1.24	0.91	0.65	0.46	0.39
70	5.12	4.92	4.66	4.32	3.88	3.45	3.04	2.67	2.34	2.01	1.71	1.39	1.10	0.85	0.66	0.50	0.42	0.41
75	3.48	3.37	3.24	3.05	2.84	2.57	2.30	2.04	1.81	1.60	1.39	1.20	0.99	0.82	0.67	0.55	0.46	0.44
80	1.71	1.66	1.60	1.54	1.45	1.35	1.24	1.13	1.03	0.93	0.84	0.75	0.67	0.60	0.54	0.49	0.47	0.46
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:30 May 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: