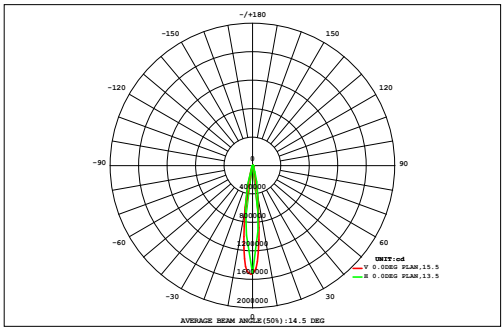
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		8706.8	cd per klm.
(Luminaire orientation as tested.)		0.0	degrees vertical
		0.0	degrees horizontal
Beam Spread	At 10% of Imax	35.4V x 29.6H	
	At 50% of Imax	13.5V x 15.5H	
	At 90% of Imax	4.2V x 7.3H	
Beam Flux	Total	994.8	lumens per klm.
	To 10% of Imax	712.5	lumens per klm.
	To 50% of Imax	312.9	lumens per klm.
	To 90% of Imax	36.3	lumens per klm.
	Upward LOR	0.0	%
	Downward LOR	99.5	%
Luminaire Efficiency(Light Output Ratio)		100.0	%

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.9V I:6.985A P:1503W PF:0.9692 Freq:49.89Hz Lamp Flux:175091x1 lm		
NAME: ITSP41500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:116.53lm/W	
MODEL		Imax(cd)	1524478
NOMINAL POWER(W)	1500	AVAILABILITY(%)	73.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	129214
NOMINAL FLUX(lm)	175091	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	175091
TEST VOLTAGE(V)	221.0	q @50%(H,V)	15,13DEG

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	0.49	1.65	3.55	6.59	11.5	17.4	23.4	29.1	34.0	35.9	32.9	28.4	22.7	16.7	10.9	6.09	2.70	0.66	285	0.00
70	0.35	1.72	5.50	13.0	24.2	38.0	53.8	69.2	80.7	83.4	75.1	62.0	46.3	31.5	18.8	9.22	3.33	0.60	617	0.00
60	0.40	2.61	9.27	22.4	42.5	67.7	98.7	131	156	158	139	109	78.5	51.8	29.6	13.8	4.55	0.67	1115	0.00
50	0.51	3.78	13.8	33.9	65.4	105	149	193	240	255	209	155	115	76.7	43.0	19.1	5.94	0.78	1683	0.00
40	0.48	4.65	18.1	46.3	89.9	143	189	241	338	402	291	198	145	99.9	57.3	24.7	7.59	0.97	2297	0.00
30	0.45	5.39	21.8	57.3	113	173	237	404	821	1012	589	276	171	121	72.2	31.5	9.86	1.33	4117	0.00
20	0.52	6.32	25.5	66.6	135	205	353	1099	4552	7170	2300	479	215	142	87.6	38.0	12.2	1.71	16891	10401
10	0.59	7.01	27.7	73.1	153	258	594	2727	17008	26510	6416	795	265	162	97.7	41.3	13.4	1.87	55150	49522
0	0.66	7.31	28.2	74.9	159	280	668	3532	23315	31185	6785	798	270	165	98.5	41.7	13.6	1.91	67424	62074
-10	0.67	6.98	26.8	69.3	143	221	378	1546	4359	4534	1788	476	228	154	91.2	39.3	12.9	1.90	14076	7217
-20	0.74	6.46	23.7	59.4	118	194	286	492	881	990	569	326	216	146	80.5	36.1	12.1	1.94	4439	0.00
-30	0.97	6.15	20.1	48.6	95.3	167	256	359	420	392	351	283	203	130	71.6	32.6	11.5	2.03	2852	0.00
-40	1.18	5.89	17.1	38.9	73.9	122	182	233	245	237	232	197	146	95.3	56.0	27.2	10.2	2.02	1922	0.00
-50	1.17	5.04	13.1	27.1	48.0	74.6	103	128	144	147	136	114	86.6	59.8	36.8	19.1	7.70	1.69	1153	0.00
-60	1.22	4.50	9.88	18.3	29.6	42.5	55.8	68.5	77.1	79.6	73.9	63.3	49.7	36.5	23.7	13.3	6.04	1.53	655	0.00
-70	1.19	3.97	7.33	11.5	16.4	21.7	26.8	31.4	36.1	37.2	34.0	30.6	26.1	20.6	14.8	9.44	4.94	1.41	336	0.00
-80	0.53	1.66	2.72	3.68	4.56	5.37	6.01	6.57	7.01	7.07	6.84	6.48	5.95	5.13	4.18	3.07	1.85	0.57	79.2	0.00
-90																				
F t	12.1	81.1	274	671	1322	2135	3661	11290	52715	73237	20028	4396	2289	1515	894	406	140	23.61	175091	---
F a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3385	46335	67541	11953	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	129214

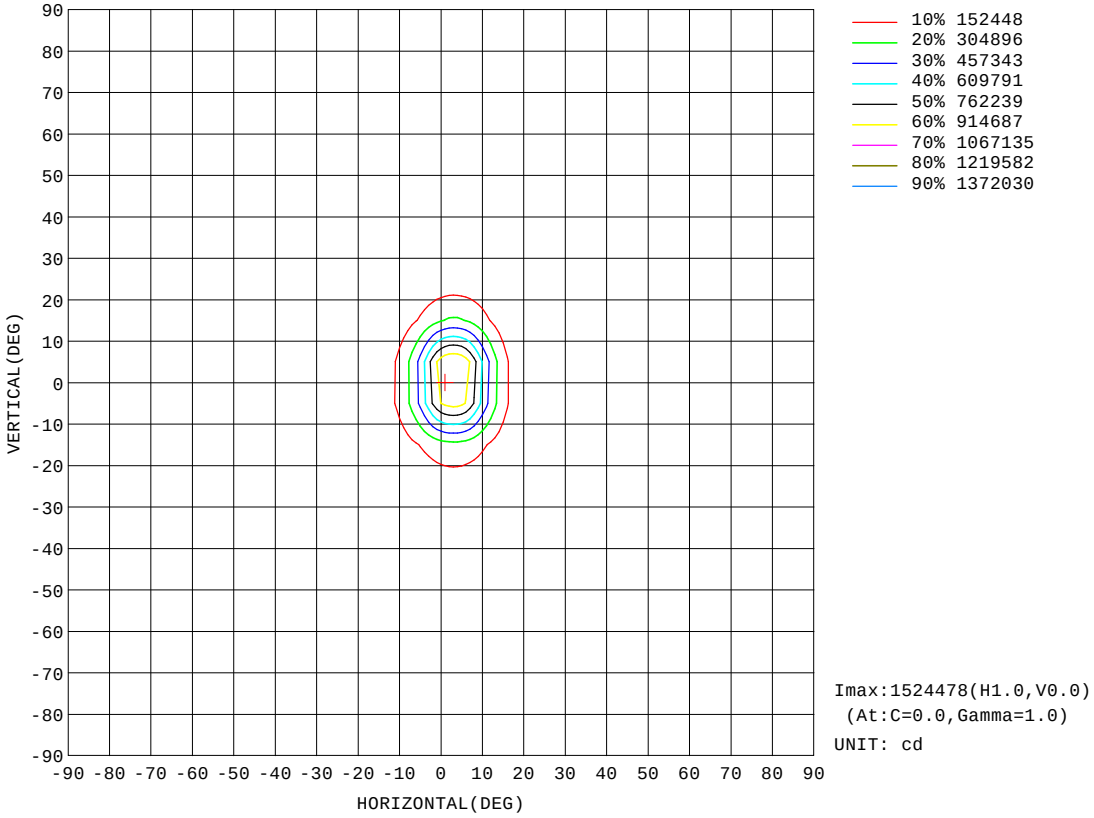
one-half-peak spread: U:6.3,D:7.4 , L:7.8,R:7.8 NEMA Beam Type: Type 3

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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:221.9V I:6.985A P:1503W PF:0.9692 Freq:49.89Hz Lamp Flux:175091x1 lm		
NAME: ITSP41500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

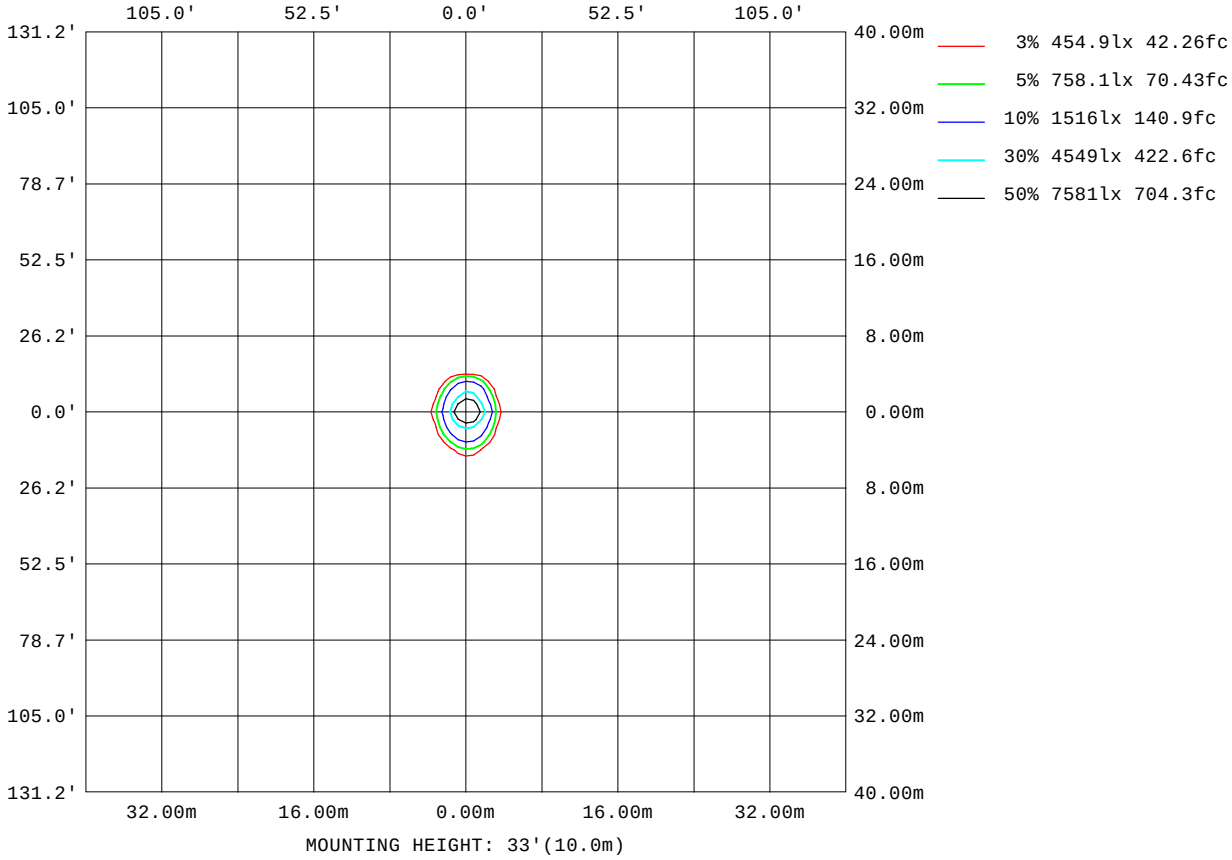


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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

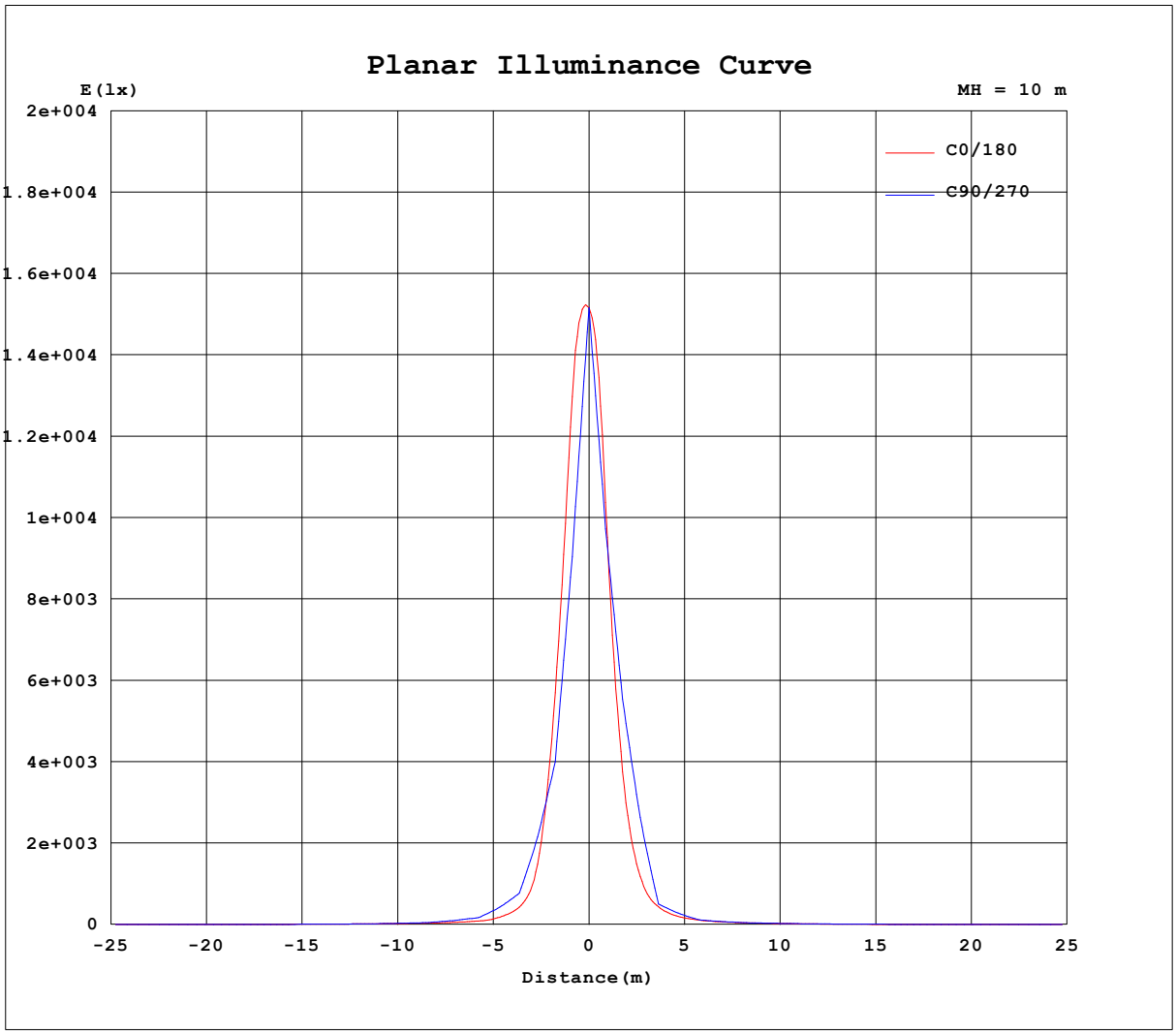
Test:U:221.9V I:6.985A P:1503W PF:0.9692 Freq:49.89Hz Lamp Flux:175091x1 lm		
NAME: ITSP41500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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



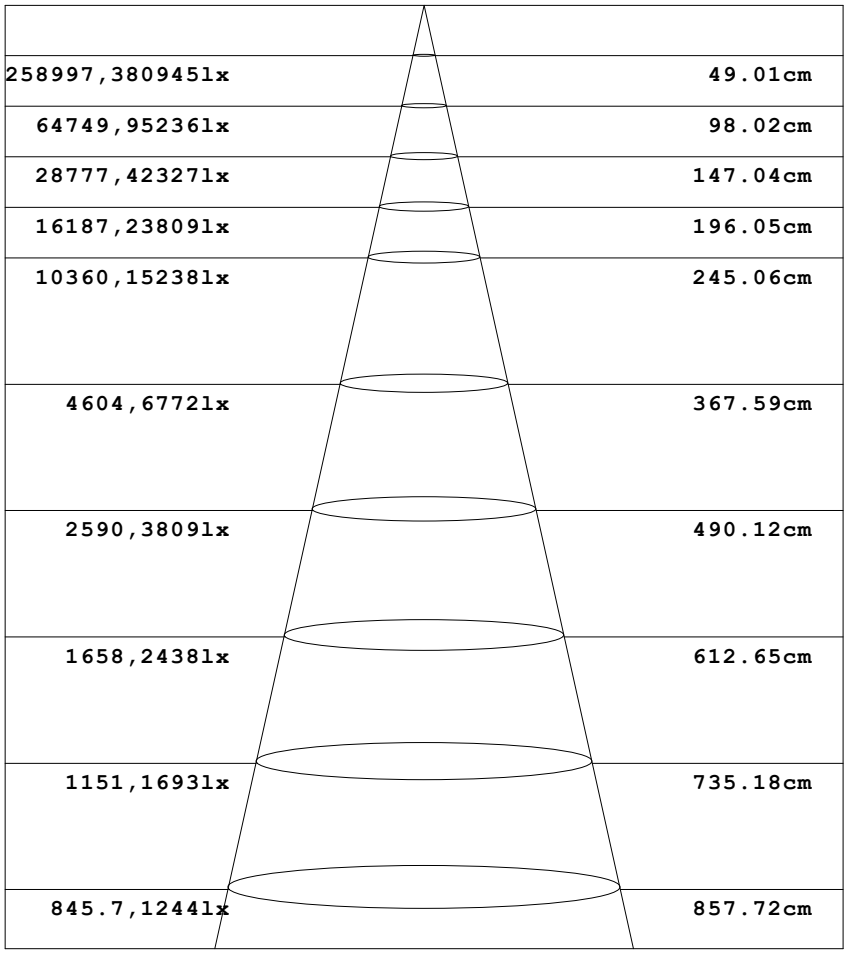
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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:221.9V I:6.985A P:1503W PF:0.9692 Freq:49.89Hz Lamp Flux:175091x1 lm		
NAME: ITSP41500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:49067 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:17 February 2023	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.9V I:6.985A P:1503W PF:0.9692 Freq:49.89Hz Lamp Flux:175091x1 lm		
NAME: ITSP41500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1 UNIT: ×1000cd

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	0.35	0.40	0.43	0.44	0.45	0.47	0.48	0.50	0.52	0.54	0.56	0.59	0.61	0.63	0.65	0.67	0.70	0.73	0.74
-75	0.38	0.41	0.45	0.48	0.51	0.55	0.60	0.65	0.70	0.76	0.83	0.89	0.96	1.02	1.07	1.13	1.19	1.25	1.32
-70	0.42	0.47	0.50	0.55	0.60	0.67	0.75	0.84	0.94	1.04	1.15	1.26	1.36	1.46	1.54	1.64	1.73	1.83	1.93
-65	0.40	0.43	0.48	0.54	0.63	0.73	0.86	1.01	1.17	1.35	1.53	1.71	1.88	2.06	2.24	2.40	2.56	2.66	2.77
-60	0.40	0.44	0.50	0.60	0.73	0.89	1.08	1.30	1.54	1.79	2.06	2.30	2.55	2.82	3.07	3.29	3.49	3.58	3.66
-55	0.38	0.40	0.47	0.58	0.74	0.94	1.19	1.47	1.79	2.15	2.53	2.93	3.34	3.74	4.12	4.47	4.78	4.97	5.10
-50	0.38	0.41	0.52	0.68	0.90	1.18	1.51	1.88	2.33	2.80	3.32	3.88	4.47	4.96	5.47	5.90	6.26	6.48	6.60
-45	0.38	0.38	0.47	0.65	0.89	1.20	1.58	2.04	2.60	3.20	3.87	4.60	5.44	6.27	7.06	7.80	8.38	8.80	9.06
-40	0.37	0.39	0.55	0.79	1.11	1.51	2.01	2.61	3.35	4.11	4.98	6.00	7.10	8.22	9.28	10.2	10.9	11.4	11.6
-35	0.31	0.30	0.43	0.67	1.00	1.43	1.94	2.58	3.38	4.20	5.17	6.33	7.57	8.81	10.1	11.9	14.1	16.8	18.9
-30	0.24	0.27	0.48	0.80	1.21	1.72	2.35	3.16	4.04	5.03	6.25	7.69	9.04	10.4	12.3	15.2	19.4	24.2	27.0
-25	0.19	0.20	0.36	0.68	1.09	1.64	2.29	3.10	4.09	5.15	6.38	7.64	8.70	10.1	12.4	17.1	26.8	42.2	57.6
-20	0.15	0.21	0.47	0.86	1.39	2.04	2.82	3.85	4.93	6.21	7.59	8.42	9.46	11.2	15.6	25.2	45.3	74.0	93.5
-15	0.14	0.15	0.34	0.72	1.21	1.85	2.62	3.60	4.80	6.25	7.59	8.58	9.84	12.3	18.2	35.7	83.1	158	239
-10	0.14	0.20	0.48	0.94	1.51	2.24	3.12	4.34	5.69	7.46	8.47	9.59	11.8	16.5	30.2	75.9	176	311	420
-5	0.13	0.14	0.34	0.73	1.29	1.95	2.77	3.87	5.25	6.98	8.40	9.79	12.7	18.2	31.2	68.7	192	491	915
0	0.13	0.19	0.47	0.94	1.57	2.27	3.18	4.52	6.04	7.84	9.25	11.9	17.0	27.0	52.7	132	393	1050	1516
5	0.12	0.13	0.32	0.70	1.27	1.92	2.72	3.82	5.20	6.83	8.18	9.69	12.8	18.6	32.6	68.8	189	511	983
10	0.11	0.17	0.43	0.87	1.47	2.16	3.03	4.24	5.56	7.07	8.08	9.58	12.4	17.9	33.7	71.3	180	386	580
15	0.10	0.11	0.28	0.64	1.15	1.77	2.53	3.51	4.71	6.03	7.21	8.00	9.56	12.3	18.9	34.6	78.1	170	292
20	0.10	0.14	0.38	0.79	1.29	1.95	2.74	3.75	4.85	6.03	7.06	7.44	8.83	10.2	13.6	22.8	36.9	52.1	61.0
25	0.10	0.10	0.25	0.56	0.98	1.53	2.20	3.03	4.04	5.04	6.10	6.77	7.39	8.32	10.2	13.7	21.0	29.9	38.0
30	0.10	0.13	0.33	0.65	1.08	1.61	2.27	3.13	4.02	4.88	5.87	6.52	6.87	7.64	8.95	9.75	12.0	15.0	18.0
35	0.12	0.12	0.23	0.49	0.82	1.26	1.80	2.47	3.27	4.01	4.80	5.59	6.15	6.71	7.45	8.07	9.32	11.3	13.5
40	0.14	0.16	0.32	0.56	0.90	1.32	1.81	2.43	3.14	3.76	4.40	5.16	5.84	6.29	6.62	7.17	8.08	9.28	10.1
45	0.15	0.15	0.23	0.41	0.66	0.98	1.37	1.84	2.39	2.94	3.51	4.11	4.74	5.27	5.74	6.28	6.96	7.79	8.43
50	0.16	0.17	0.26	0.43	0.66	0.95	1.29	1.67	2.12	2.59	3.07	3.56	4.10	4.63	5.26	5.90	6.49	6.88	6.99
55	0.14	0.14	0.18	0.29	0.46	0.67	0.93	1.23	1.56	1.93	2.31	2.70	3.10	3.54	4.01	4.47	4.92	5.27	5.43
60	0.12	0.13	0.18	0.28	0.42	0.60	0.81	1.04	1.30	1.59	1.86	2.14	2.45	2.83	3.13	3.42	3.66	3.78	3.93
65	0.13	0.13	0.15	0.20	0.29	0.41	0.56	0.73	0.91	1.12	1.32	1.53	1.74	1.99	2.22	2.42	2.61	2.74	2.86
70	0.13	0.14	0.15	0.19	0.25	0.34	0.44	0.55	0.68	0.82	0.96	1.09	1.22	1.34	1.47	1.58	1.68	1.78	1.84
75	0.14	0.14	0.15	0.17	0.20	0.24	0.29	0.35	0.43	0.52	0.61	0.69	0.77	0.85	0.93	1.00	1.07	1.13	1.20
80	0.15	0.15	0.16	0.16	0.17	0.18	0.19	0.21	0.25	0.29	0.33	0.36	0.39	0.42	0.45	0.48	0.51	0.55	0.55
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(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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:221.9V I:6.985A P:1503W PF:0.9692 Freq:49.89Hz Lamp Flux:175091x1 lm		
NAME: ITSP41500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2 UNIT: ×1000cd

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	0.76	0.74	0.73	0.72	0.71	0.70	0.69	0.67	0.65	0.63	0.61	0.59	0.57	0.55	0.52	0.50	0.45	0.39
-75	1.32	1.29	1.26	1.23	1.20	1.15	1.11	1.06	1.00	0.94	0.88	0.81	0.75	0.69	0.63	0.58	0.52	0.45
-70	1.86	1.81	1.76	1.71	1.65	1.57	1.49	1.41	1.31	1.20	1.09	0.99	0.88	0.78	0.70	0.62	0.53	0.47
-65	2.78	2.74	2.67	2.56	2.44	2.29	2.12	1.96	1.80	1.62	1.44	1.27	1.09	0.93	0.80	0.68	0.57	0.48
-60	3.65	3.63	3.50	3.32	3.12	2.88	2.63	2.39	2.16	1.89	1.65	1.41	1.18	0.97	0.81	0.67	0.52	0.47
-55	5.14	5.08	4.93	4.67	4.36	4.03	3.67	3.29	2.92	2.57	2.21	1.88	1.55	1.25	1.01	0.80	0.62	0.49
-50	6.59	6.45	6.16	5.79	5.34	4.90	4.40	3.88	3.41	2.97	2.49	2.08	1.68	1.33	1.03	0.80	0.56	0.50
-45	9.12	8.92	8.49	7.93	7.28	6.61	5.93	5.21	4.51	3.88	3.27	2.68	2.15	1.69	1.30	0.98	0.70	0.53
-40	11.5	11.1	10.4	9.56	8.68	7.78	6.88	5.97	5.09	4.35	3.54	2.84	2.23	1.72	1.29	0.96	0.62	0.52
-35	19.2	17.4	14.6	12.3	10.6	9.22	8.10	7.15	6.11	5.11	4.24	3.35	2.62	2.01	1.49	1.08	0.72	0.50
-30	25.8	21.4	16.7	13.6	11.3	9.70	8.55	7.54	6.31	5.18	4.18	3.23	2.49	1.86	1.34	0.93	0.52	0.42
-25	59.0	45.8	29.3	18.4	13.3	10.6	8.95	7.86	6.98	5.89	4.83	3.76	2.90	2.18	1.58	1.09	0.69	0.42
-20	83.8	56.6	31.1	18.1	12.9	10.2	8.33	7.54	6.80	5.70	4.61	3.53	2.72	2.00	1.41	0.91	0.47	0.37
-15	251	174	83.7	35.7	18.8	12.1	9.37	7.99	7.30	6.57	5.39	4.14	3.14	2.35	1.68	1.11	0.67	0.38
-10	370	215	84.0	35.6	17.4	11.6	9.19	7.81	7.25	6.50	5.21	3.84	2.91	2.15	1.48	0.91	0.45	0.35
-5	948	570	210	62.7	28.0	14.7	10.6	8.70	7.63	7.01	5.80	4.43	3.30	2.47	1.77	1.12	0.66	0.36
0	1313	597	165	52.0	24.4	13.7	10.5	8.52	7.50	6.67	5.37	4.00	2.98	2.18	1.51	0.92	0.44	0.34
5	1027	606	212	62.6	28.7	14.6	10.6	8.67	7.53	6.87	5.74	4.41	3.26	2.42	1.73	1.10	0.64	0.35
10	500	251	82.7	36.5	18.1	11.5	9.13	7.70	7.00	6.28	5.14	3.79	2.83	2.08	1.44	0.87	0.43	0.32
15	314	200	81.6	34.0	18.1	11.1	8.80	7.37	6.73	6.14	5.17	4.03	3.00	2.22	1.56	1.01	0.58	0.31
20	55.8	41.1	26.6	15.3	10.5	8.59	7.14	6.42	5.97	5.29	4.39	3.33	2.51	1.80	1.23	0.76	0.36	0.27
25	39.0	31.6	22.3	14.4	10.2	8.12	7.02	6.17	5.78	5.08	4.30	3.37	2.53	1.85	1.28	0.83	0.45	0.22
30	17.7	14.7	11.2	9.12	7.93	6.70	6.00	5.61	5.03	4.23	3.54	2.66	1.98	1.41	0.93	0.57	0.23	0.16
35	14.2	12.8	10.4	8.37	7.39	6.47	5.81	5.31	4.77	4.07	3.41	2.64	1.98	1.44	0.99	0.62	0.32	0.14
40	10.1	9.03	7.68	6.67	6.06	5.67	5.19	4.62	3.95	3.34	2.71	2.06	1.54	1.09	0.71	0.43	0.16	0.11
45	8.57	8.08	7.16	6.29	5.62	5.13	4.68	4.21	3.64	3.09	2.55	1.99	1.52	1.11	0.76	0.48	0.25	0.11
50	6.81	6.47	5.88	5.31	4.77	4.24	3.81	3.34	2.88	2.40	1.94	1.54	1.17	0.84	0.57	0.35	0.16	0.11
55	5.39	5.18	4.86	4.45	4.05	3.63	3.24	2.87	2.49	2.13	1.75	1.41	1.10	0.83	0.58	0.39	0.22	0.12
60	3.80	3.68	3.52	3.26	3.00	2.71	2.37	2.07	1.81	1.54	1.28	1.04	0.81	0.61	0.43	0.29	0.16	0.13
65	2.86	2.77	2.67	2.51	2.34	2.13	1.92	1.70	1.50	1.31	1.11	0.92	0.73	0.57	0.43	0.31	0.21	0.14
70	1.85	1.77	1.70	1.61	1.52	1.39	1.29	1.17	1.04	0.91	0.77	0.64	0.52	0.42	0.32	0.24	0.17	0.15
75	1.22	1.18	1.13	1.09	1.04	0.97	0.90	0.83	0.76	0.68	0.59	0.51	0.43	0.36	0.30	0.24	0.19	0.16
80	0.58	0.55	0.53	0.52	0.50	0.49	0.47	0.44	0.41	0.38	0.35	0.32	0.29	0.25	0.23	0.20	0.18	0.16
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(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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: