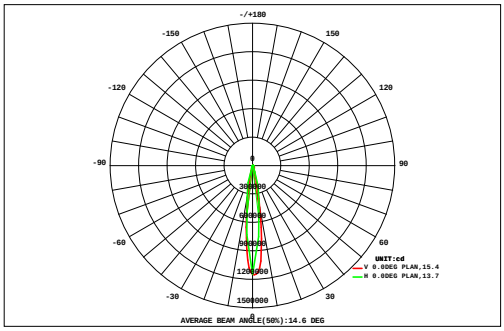
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		8981.7 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	35.6V x 28.9H
	At 50% of Imax	13.7V x 15.4H
	At 90% of Imax	4.5V x 7.2H
Beam Flux	Total	987.6 lumens per klm.
	To 10% of Imax	713.4 lumens per klm.
	To 50% of Imax	315.1 lumens per klm.
	To 90% of Imax	34.6 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	98.8 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.1V I:4.610A P:999.2W PF:0.9803 Freq:49.90Hz Lamp Flux:128231x1 lm		
NAME: ITSP31000154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:128.34lm/W	
MODEL		Imax(cd)	1151735
NOMINAL POWER(W)	1000	AVAILABILITY(%)	75.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	97231
NOMINAL FLUX(lm)	128231	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	128231
TEST VOLTAGE(V)	220	q @50%(H,V)	15,14DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-27	-24	-21	-18	-15	-12	-9	-6	-3	0	3	6	9	12	15	18	21	24	27	F t	F a
27	14.8	16.7	18.0	19.9	24.0	29.9	36.9	44.0	49.2	50.1	46.9	40.5	32.8	26.0	21.2	18.1	15.4	13.8		518	0.00
24	14.5	16.0	19.1	23.4	30.6	41.5	55.2	69.7	82.4	89.2	87.3	77.2	62.5	47.4	34.1	24.6	19.7	16.5		811	0.00
21	16.6	19.4	24.7	34.0	47.6	65.0	83.8	100	109	109	97.7	79.9	60.9	43.9	30.7	22.6	18.5	15.8		980	0.00
18	19.0	23.3	30.9	45.6	66.2	90.5	114	132	137	128	106	80.5	57.2	38.6	25.9	19.9	16.9	14.8		1148	0.00
15	20.7	26.0	36.7	54.5	93.1	168	284	428	578	663	625	489	332	198	105	59.9	38.3	25.0		4223	3100
12	25.5	35.1	52.9	86.6	157	281	457	664	842	897	793	591	383	218	116	65.8	40.4	26.1		5733	4722
9	36.8	57.7	92.5	168	314	534	804	1078	1204	1085	797	505	274	127	71.1	45.9	27.0	20.0		7241	6319
-9	34.9	50.5	77.4	129	246	468	835	1348	1826	1936	1767	1292	774	393	179	88.7	50.8	31.7		11526	10608
-12	31.9	40.7	57.4	80.3	157	375	841	1615	2488	2867	2842	2172	1336	693	301	137	77.9	45.1		16158	15305
-15	59.7	89.0	142	291	630	1288	2323	3344	3544	3320	2348	1305	599	230	103	61.5	38.2	24.6		19739	18898
-18	57.0	84.5	134	272	585	1196	2166	3146	3391	3214	2330	1339	639	258	116	66.4	40.6	25.9		19061	18243
-21	21.3	26.4	35.4	30.1	37.4	76.1	188	556	1292	1669	1901	1602	1050	573	258	119	66.9	40.2		9540	8825
-24	25.8	37.3	55.2	90.6	169	292	444	600	881	970	964	769	497	274	134	69.9	41.0	27.0		6341	5503
-27	32.4	52.2	82.0	150	280	459	626	676	512	263	60.9	6.03	0.00	0.00	5.13	13.0	10.7	11.4		3238	2552
F t	476	650	954	1602	3015	5612	9593	14254	17604	18162	15742	11198	6722	3524	1735	958	611	421		112833	---
F a	0.00	0.00	0.00	342	1598	4572	8640	13527	16878	17516	15219	10740	5767	2077	354	0.00	0.00	0.00		---	97231

HORIZONTAL(DEG)

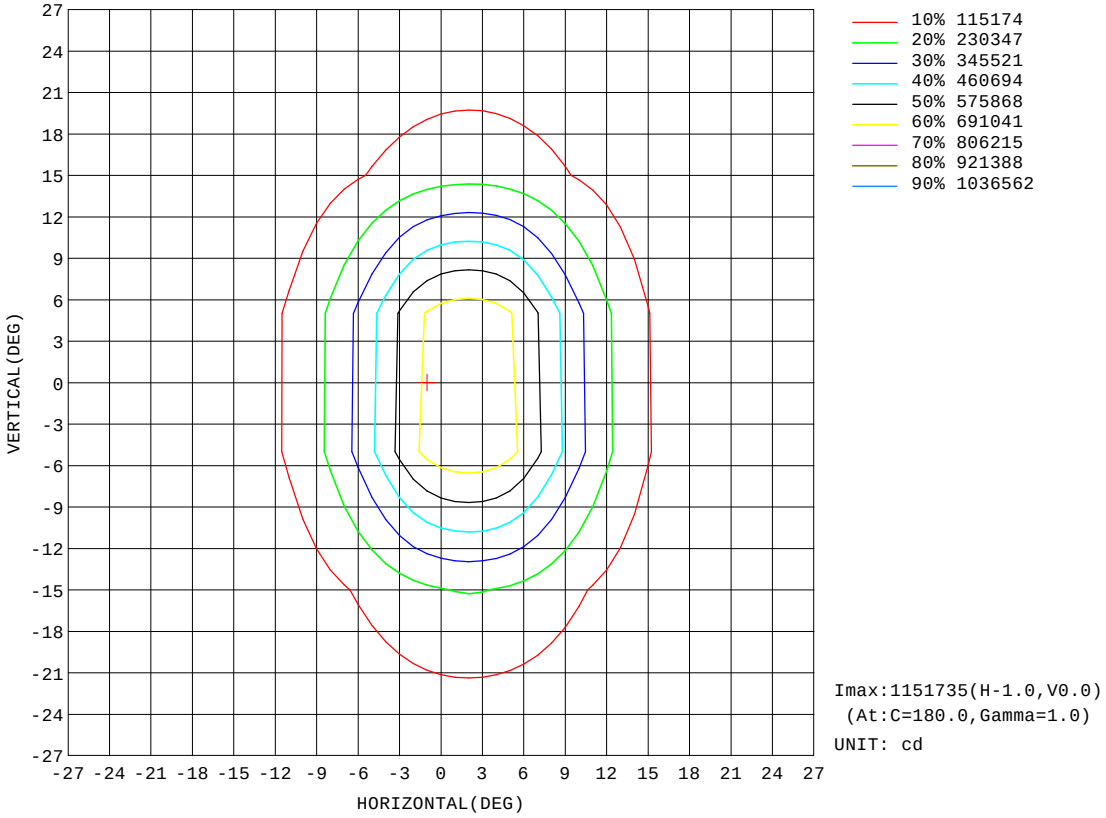
one-half-peak spread: U:7.1,D:6.7 , L:7.8,R:7.8 NEMA Beam Type: Type 2 x 3 (H x V)

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:09 June 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:221.1V I:4.610A P:999.2W PF:0.9803 Freq:49.90Hz Lamp Flux:128231x1 lm		
NAME: ITSP31000154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

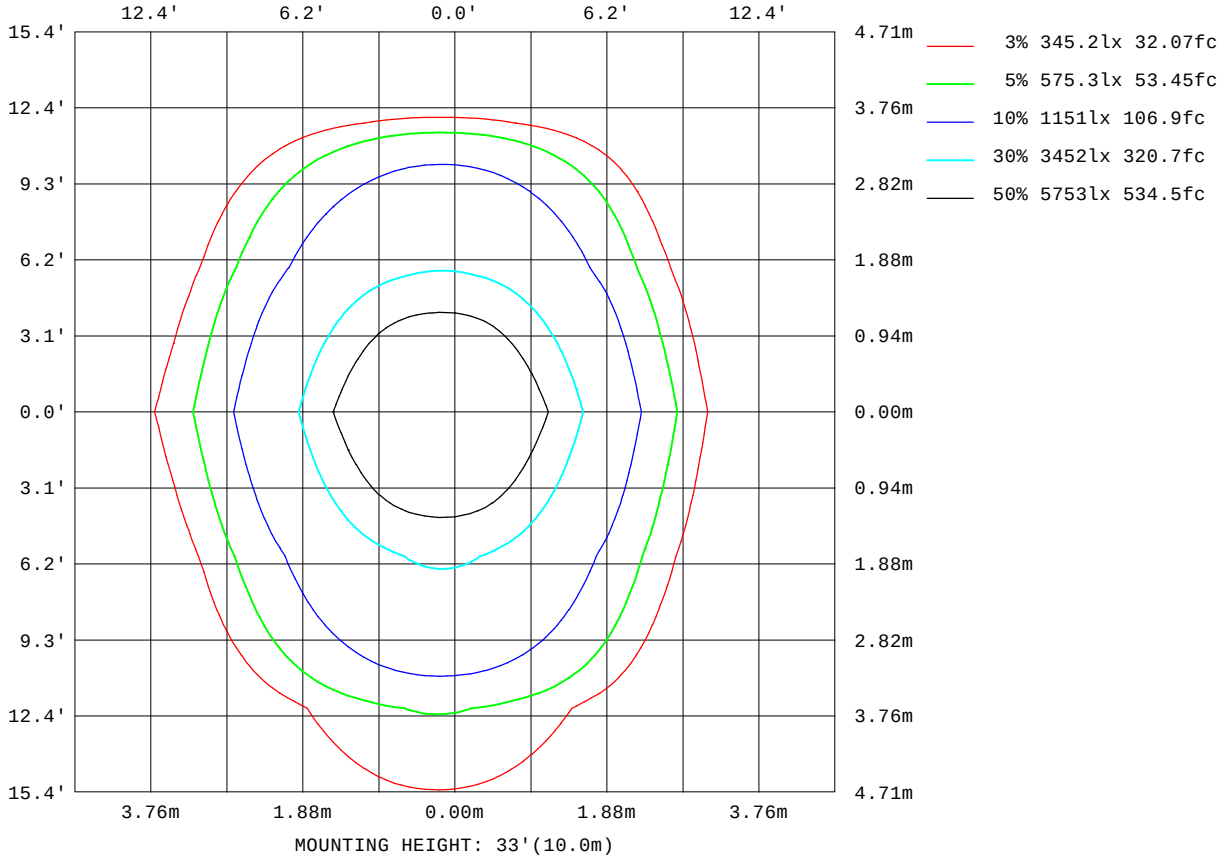


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:09 June 2020

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

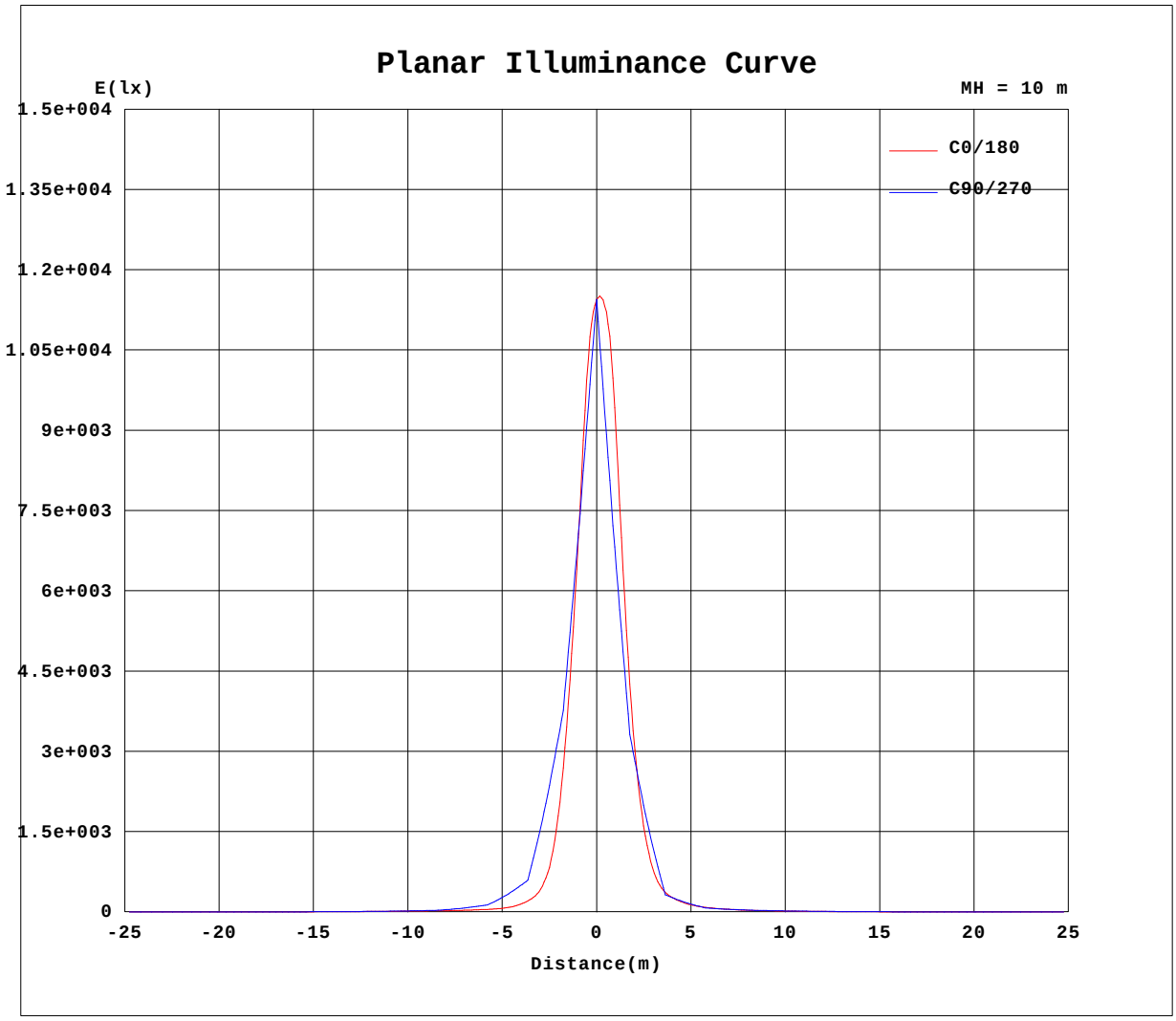
Test:U:221.1V I:4.610A P:999.2W PF:0.9803 Freq:49.90Hz Lamp Flux:128231x1 lm		
NAME: ITSP31000154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:09 June 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



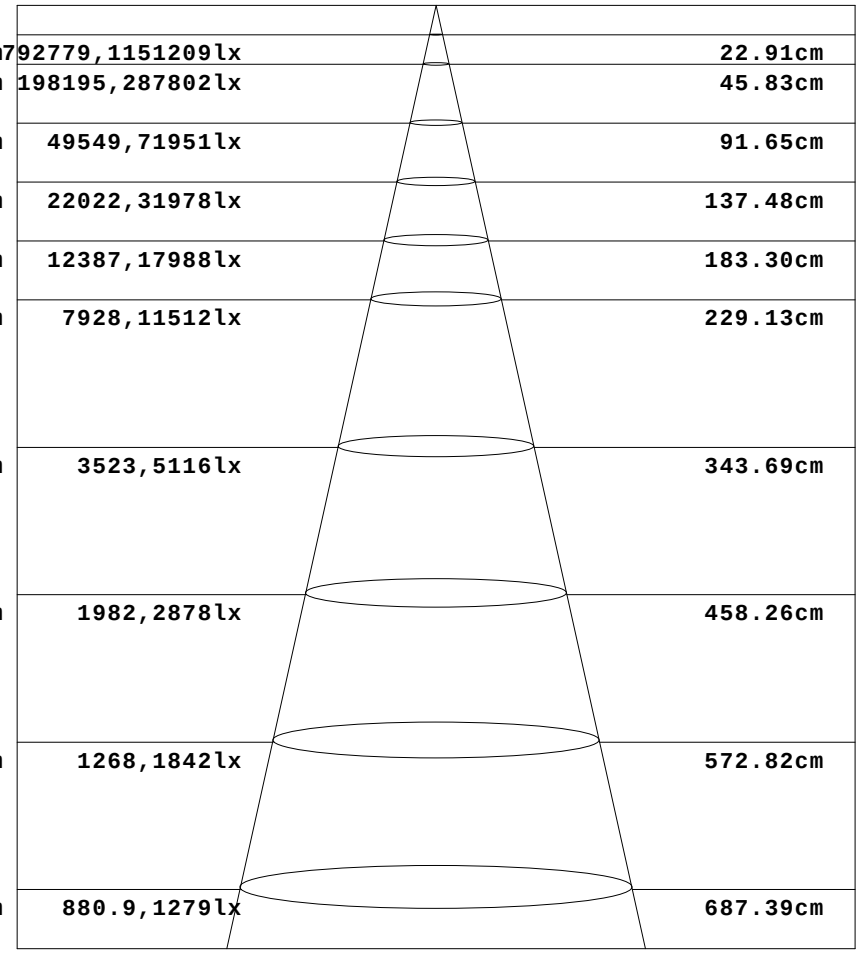
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:09 June 2020

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:221.1V I:4.610A P:999.2W PF:0.9803 Freq:49.90Hz Lamp Flux:128231x1 lm		
NAME: ITSP31000154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:37548 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:09 June 2020	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.1V I:4.610A P:999.2W PF:0.9803 Freq:49.90Hz Lamp Flux:128231x1 lm		
NAME: ITSP31000154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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	0.27	0.29	0.32	0.34	0.35	0.36	0.38	0.40	0.42	0.45	0.47	0.50	0.52	0.54	0.56	0.58	0.60	0.63	0.62
-75	0.27	0.29	0.31	0.35	0.38	0.42	0.46	0.52	0.58	0.64	0.70	0.76	0.82	0.87	0.92	0.97	1.01	1.05	1.09
-70	0.29	0.31	0.35	0.40	0.45	0.52	0.61	0.70	0.80	0.90	1.00	1.09	1.18	1.27	1.34	1.41	1.47	1.53	1.56
-65	0.27	0.28	0.31	0.38	0.45	0.55	0.67	0.80	0.95	1.12	1.27	1.43	1.59	1.75	1.89	1.99	2.08	2.14	2.20
-60	0.26	0.28	0.34	0.44	0.56	0.71	0.89	1.08	1.29	1.52	1.73	1.96	2.19	2.41	2.56	2.69	2.77	2.81	2.92
-55	0.25	0.26	0.30	0.41	0.54	0.71	0.93	1.17	1.44	1.74	2.06	2.39	2.71	3.01	3.29	3.52	3.73	3.86	3.93
-50	0.25	0.27	0.38	0.52	0.72	0.96	1.26	1.58	1.95	2.35	2.77	3.21	3.59	3.95	4.30	4.61	4.86	4.96	5.02
-45	0.25	0.25	0.31	0.47	0.66	0.91	1.22	1.59	2.02	2.48	2.98	3.52	4.07	4.57	5.00	5.42	5.79	6.17	6.39
-40	0.24	0.27	0.43	0.62	0.88	1.20	1.61	2.10	2.64	3.20	3.82	4.52	5.17	5.72	6.20	6.67	7.20	7.68	7.81
-35	0.20	0.20	0.29	0.50	0.75	1.08	1.49	1.98	2.58	3.15	3.83	4.48	5.06	5.73	6.65	7.88	9.74	12.3	14.2
-30	0.15	0.20	0.40	0.66	1.00	1.42	1.93	2.58	3.18	3.90	4.63	5.16	5.70	6.74	8.56	11.1	15.3	19.5	20.9
-25	0.12	0.13	0.26	0.53	0.84	1.26	1.77	2.39	3.11	3.83	4.55	4.97	5.53	6.40	8.28	12.4	21.3	34.8	46.0
-20	0.10	0.18	0.41	0.75	1.16	1.70	2.31	3.09	3.87	4.65	5.00	5.34	6.40	8.00	12.1	23.1	42.8	65.9	72.2
-15	0.09	0.11	0.25	0.55	0.94	1.42	2.01	2.75	3.60	4.56	5.13	5.61	6.75	8.60	13.6	26.3	65.4	143	225
-10	0.10	0.18	0.42	0.82	1.28	1.82	2.54	3.45	4.47	5.23	5.73	7.17	9.24	13.8	27.1	67.7	173	331	395
-5	0.09	0.11	0.25	0.56	1.01	1.48	2.10	2.95	3.92	5.07	5.64	6.87	9.33	13.5	23.6	51.3	163	446	753
0	0.09	0.17	0.42	0.83	1.29	1.85	2.66	3.60	4.78	5.61	6.71	9.39	13.9	22.9	44.4	138	446	1010	1145
5	0.08	0.10	0.24	0.54	0.97	1.45	2.07	2.91	3.88	5.04	5.62	6.81	9.26	13.3	23.2	51.0	161	435	730
10	0.08	0.15	0.39	0.76	1.21	1.76	2.46	3.37	4.39	5.17	5.63	7.09	8.98	13.3	26.3	66.5	162	293	348
15	0.07	0.09	0.21	0.50	0.86	1.33	1.91	2.66	3.51	4.49	5.08	5.54	6.64	8.23	12.5	24.0	58.8	122	187
20	0.07	0.14	0.35	0.65	1.05	1.58	2.20	2.98	3.78	4.59	4.98	5.29	6.17	7.06	9.51	16.0	26.2	36.3	39.2
25	0.07	0.08	0.19	0.43	0.73	1.14	1.66	2.30	3.01	3.75	4.48	4.88	5.33	5.82	6.89	8.98	13.6	20.1	25.1
30	0.07	0.13	0.30	0.54	0.88	1.30	1.83	2.49	3.11	3.83	4.50	4.90	5.20	5.66	6.33	6.95	8.66	10.9	12.1
35	0.09	0.10	0.18	0.36	0.61	0.94	1.34	1.85	2.44	3.00	3.63	4.20	4.63	5.05	5.58	6.02	6.81	8.17	9.50
40	0.11	0.15	0.27	0.46	0.72	1.05	1.45	1.90	2.42	2.94	3.46	4.04	4.55	5.01	5.42	5.85	6.52	7.18	7.45
45	0.11	0.11	0.18	0.30	0.48	0.72	1.02	1.37	1.78	2.20	2.65	3.13	3.62	4.07	4.51	4.99	5.49	6.02	6.37
50	0.11	0.14	0.22	0.34	0.52	0.74	1.01	1.30	1.64	2.01	2.40	2.82	3.22	3.67	4.18	4.71	5.14	5.34	5.33
55	0.10	0.10	0.14	0.22	0.34	0.49	0.69	0.91	1.17	1.44	1.73	2.05	2.38	2.72	3.07	3.43	3.76	3.97	4.11
60	0.09	0.10	0.15	0.23	0.34	0.48	0.64	0.82	1.02	1.22	1.43	1.68	1.94	2.20	2.39	2.58	2.70	2.78	2.81
65	0.09	0.09	0.11	0.16	0.22	0.31	0.42	0.55	0.68	0.84	0.99	1.15	1.32	1.51	1.66	1.79	1.91	1.98	2.07
70	0.09	0.10	0.13	0.16	0.21	0.28	0.35	0.44	0.54	0.63	0.74	0.83	0.92	1.02	1.09	1.16	1.23	1.29	1.30
75	0.10	0.10	0.11	0.13	0.16	0.19	0.23	0.28	0.34	0.40	0.46	0.52	0.58	0.64	0.69	0.74	0.78	0.83	0.85
80	0.11	0.11	0.12	0.13	0.14	0.16	0.17	0.19	0.22	0.24	0.26	0.29	0.31	0.33	0.35	0.37	0.39	0.41	0.41
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:09 June 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:221.1V I:4.610A P:999.2W PF:0.9803 Freq:49.90Hz Lamp Flux:128231x1 lm		
NAME: ITSP31000154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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	0.63	0.60	0.58	0.56	0.54	0.51	0.49	0.46	0.44	0.42	0.40	0.38	0.37	0.35	0.34	0.33	0.31	0.29
-75	1.09	1.06	1.02	0.97	0.92	0.87	0.81	0.76	0.69	0.63	0.57	0.52	0.47	0.43	0.39	0.37	0.34	0.33
-70	1.53	1.46	1.40	1.33	1.25	1.16	1.07	0.97	0.87	0.78	0.68	0.60	0.52	0.46	0.41	0.38	0.35	0.33
-65	2.22	2.15	2.09	1.99	1.88	1.74	1.58	1.42	1.27	1.11	0.96	0.82	0.69	0.57	0.49	0.42	0.37	0.35
-60	2.82	2.78	2.66	2.52	2.36	2.13	1.90	1.68	1.48	1.26	1.06	0.88	0.71	0.57	0.47	0.40	0.36	0.35
-55	3.95	3.87	3.74	3.53	3.28	3.01	2.71	2.40	2.10	1.80	1.51	1.24	0.99	0.78	0.61	0.49	0.39	0.36
-50	4.97	4.83	4.57	4.25	3.89	3.54	3.15	2.75	2.35	2.00	1.63	1.31	1.01	0.77	0.59	0.45	0.37	0.35
-45	6.39	6.18	5.84	5.51	5.11	4.68	4.20	3.67	3.17	2.68	2.22	1.78	1.38	1.04	0.78	0.57	0.42	0.36
-40	7.60	7.13	6.73	6.29	5.83	5.25	4.62	3.99	3.40	2.83	2.26	1.76	1.33	0.98	0.70	0.50	0.38	0.36
-35	14.0	11.9	9.57	8.06	6.97	6.15	5.47	4.83	4.16	3.47	2.84	2.22	1.68	1.24	0.88	0.61	0.41	0.33
-30	18.2	13.8	10.4	8.48	7.09	6.20	5.57	4.88	4.09	3.37	2.66	2.01	1.48	1.04	0.71	0.46	0.31	0.29
-25	44.1	31.6	19.0	11.5	8.35	6.82	5.88	5.30	4.76	4.03	3.28	2.53	1.89	1.36	0.93	0.61	0.37	0.28
-20	56.1	33.4	17.1	10.2	7.47	6.30	5.43	5.14	4.58	3.77	2.99	2.24	1.63	1.13	0.75	0.45	0.28	0.25
-15	215	126	52.6	20.9	11.0	7.42	6.13	5.40	5.13	4.61	3.70	2.82	2.09	1.50	1.01	0.64	0.37	0.26
-10	273	122	41.1	17.8	9.00	6.86	5.79	5.35	5.22	4.32	3.35	2.47	1.81	1.24	0.81	0.46	0.28	0.24
-5	720	376	122	35.5	15.7	8.71	6.84	5.75	5.40	5.07	4.03	3.03	2.19	1.58	1.07	0.65	0.37	0.25
0	768	282	70.6	25.1	11.5	7.92	6.43	5.62	5.39	4.56	3.48	2.52	1.81	1.30	0.82	0.46	0.28	0.23
5	698	365	119	34.7	15.4	8.63	6.84	5.77	5.38	5.04	4.00	3.00	2.17	1.57	1.09	0.65	0.36	0.24
10	242	112	38.0	17.1	8.73	6.81	5.82	5.36	5.16	4.26	3.28	2.42	1.78	1.26	0.81	0.45	0.26	0.22
15	179	106	45.1	18.3	9.68	6.82	5.78	5.18	4.96	4.45	3.55	2.68	1.99	1.44	0.98	0.59	0.32	0.21
20	32.2	21.0	12.1	7.73	6.16	5.54	4.88	4.79	4.32	3.53	2.78	2.07	1.51	1.03	0.68	0.36	0.21	0.17
25	24.7	19.0	12.5	8.09	6.31	5.50	4.96	4.64	4.26	3.60	2.91	2.20	1.63	1.15	0.76	0.46	0.23	0.15
30	11.1	8.76	6.80	6.01	5.28	4.88	4.62	4.14	3.45	2.83	2.19	1.62	1.15	0.77	0.48	0.25	0.13	0.10
35	9.67	8.51	6.92	5.92	5.31	4.84	4.42	3.98	3.41	2.80	2.26	1.70	1.24	0.86	0.55	0.33	0.15	0.09
40	7.10	6.31	5.64	5.13	4.76	4.28	3.73	3.16	2.63	2.13	1.64	1.21	0.86	0.57	0.34	0.17	0.09	0.08
45	6.32	5.90	5.27	4.74	4.30	3.89	3.45	2.98	2.50	2.05	1.64	1.25	0.91	0.63	0.41	0.24	0.12	0.08
50	5.11	4.74	4.26	3.80	3.37	2.99	2.62	2.21	1.83	1.48	1.14	0.87	0.61	0.42	0.26	0.14	0.08	0.08
55	3.99	3.81	3.53	3.21	2.89	2.57	2.27	1.96	1.65	1.37	1.09	0.85	0.63	0.44	0.29	0.18	0.11	0.09
60	2.67	2.57	2.42	2.24	2.03	1.78	1.55	1.33	1.13	0.92	0.74	0.56	0.41	0.29	0.19	0.13	0.09	0.09
65	2.01	1.93	1.84	1.72	1.59	1.43	1.26	1.10	0.95	0.80	0.65	0.52	0.39	0.29	0.21	0.15	0.11	0.10
70	1.25	1.19	1.12	1.05	0.97	0.87	0.78	0.69	0.59	0.49	0.40	0.32	0.25	0.19	0.15	0.12	0.10	0.10
75	0.85	0.81	0.76	0.72	0.68	0.62	0.56	0.51	0.44	0.38	0.32	0.27	0.22	0.18	0.15	0.13	0.11	0.11
80	0.40	0.37	0.36	0.34	0.32	0.30	0.27	0.25	0.23	0.20	0.18	0.16	0.15	0.13	0.12	0.12	0.11	0.11
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:09 June 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: