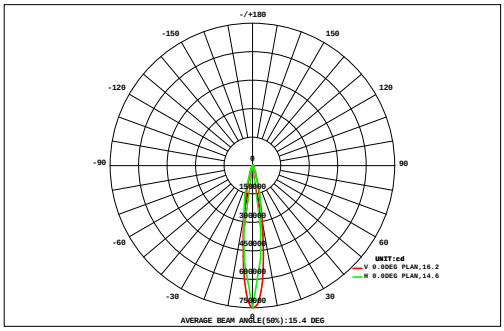
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		7672.4 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	37.3V x 33.7H
	At 50% of Imax	14.6V x 16.2H
	At 90% of Imax	4.6V x 6.6H
Beam Flux	Total	997.7 lumens per klm.
	To 10% of Imax	719.9 lumens per klm.
	To 50% of Imax	292.9 lumens per klm.
	To 90% of Imax	29.9 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.8 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:233.9V I:3.159A P:705.4W PF:0.9547 Freq:50.03Hz Lamp Flux:97604.7x1 lm		
NAME: ITSP2700154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:138.37lm/W	
MODEL		Imax(cd)	748858
NOMINAL POWER(W)	700	AVAILABILITY(%)	74.0
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	72256
NOMINAL FLUX(lm)	97604.7	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	97605
TEST VOLTAGE(V)	220	q @50%(H,V)	16,15DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-90	-80	-70	-60	-50	-40	-30	-20	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	0.39	1.68	3.70	6.50	10.0	13.7	17.2	20.0	21.8	22.1	20.7	18.1	14.7	11.0	7.26	4.17	1.91	0.45	195	0.00
70	0.35	1.78	4.64	9.11	14.9	21.5	28.6	35.3	39.7	40.0	36.2	29.9	22.9	16.2	10.1	5.31	2.07	0.41	319	0.00
60	0.41	2.27	6.37	12.7	21.2	32.9	47.1	62.4	73.6	73.7	63.0	48.6	35.0	23.2	13.9	7.16	2.57	0.45	527	0.00
50	0.48	2.86	8.19	16.6	29.6	48.4	72.2	102	131	133	105	73.9	50.4	32.0	18.0	8.92	3.16	0.50	837	0.00
40	0.50	3.31	9.80	21.0	39.9	66.4	104	154	225	241	169	108	68.1	41.9	23.2	10.9	3.87	0.60	1292	0.00
30	0.49	3.65	11.2	25.7	50.5	92.8	158	304	616	676	365	171	95.1	53.2	29.6	13.5	4.83	0.78	2671	0.00
-30	0.54	4.07	12.6	30.4	63.7	131	279	978	3048	3584	1292	310	130	69.2	36.5	16.4	5.90	1.00	9993	5907
-40	0.59	4.41	13.8	34.2	77.7	175	519	2461	10231	12029	3215	519	158	84.0	41.6	18.3	6.49	1.10	29588	26585
-50	0.62	4.54	14.1	35.3	81.2	188	594	3052	13768	14483	3386	528	160	84.3	41.8	18.2	6.47	1.10	36446	33466
-60	0.61	4.42	13.5	32.2	67.7	139	337	1241	3271	2973	1127	318	137	72.6	38.3	17.2	6.25	1.09	9797	6298
-70	0.62	4.19	12.2	27.4	53.6	100	183	372	592	583	342	188	115	62.4	34.4	16.0	6.05	1.10	2693	0.00
-80	0.69	4.02	10.8	22.8	43.4	75.2	128	187	217	205	178	140	88.2	54.7	30.5	15.0	5.91	1.14	1408	0.00
-90	0.75	3.83	9.82	19.2	34.1	55.0	78.9	101	111	110	102	81.8	61.0	41.0	24.1	13.0	5.37	1.11	853	0.00
	0.75	3.42	8.20	15.1	23.9	34.8	46.1	55.0	59.5	59.4	55.5	48.0	37.2	26.0	17.1	9.72	4.25	0.96	505	0.00
	0.73	2.94	6.24	10.7	15.9	21.0	25.6	29.3	31.4	31.6	29.6	26.1	21.6	16.7	11.6	6.92	3.32	0.84	292	0.00
	0.62	2.23	4.17	6.35	8.74	11.1	13.1	14.6	15.4	15.5	14.8	13.4	11.5	9.10	6.69	4.41	2.37	0.67	155	0.00
	0.25	0.81	1.31	1.76	2.13	2.42	2.65	2.80	2.87	2.84	2.74	2.57	2.37	2.10	1.76	1.33	0.80	0.25	33.8	0.00
HORIZONTAL(DEG)																				
F t	9.38	54.4	151	327	638	1209	2634	9171	32454	35262	10505	2625	1208	699	386	186	71.6	13.6	97605	---
F a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4766	29052	32212	6226	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	72256

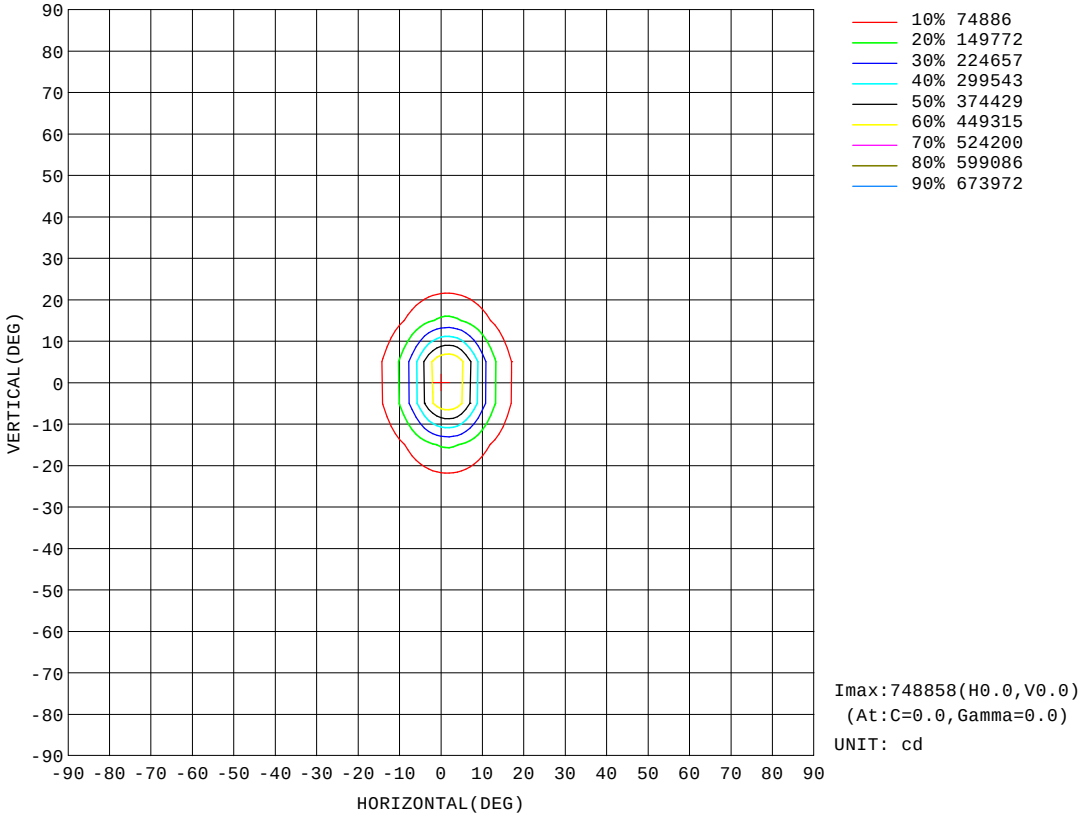
one-half-peak spread: U:7.2,D:7.5 , L:8.6,R:7.7 **NEMA Beam Type: Type 3**

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:12 September 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:233.9V I:3.159A P:705.4W PF:0.9547 Freq:50.03Hz Lamp Flux:97604.7x1 lm		
NAME: ITSP2700154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

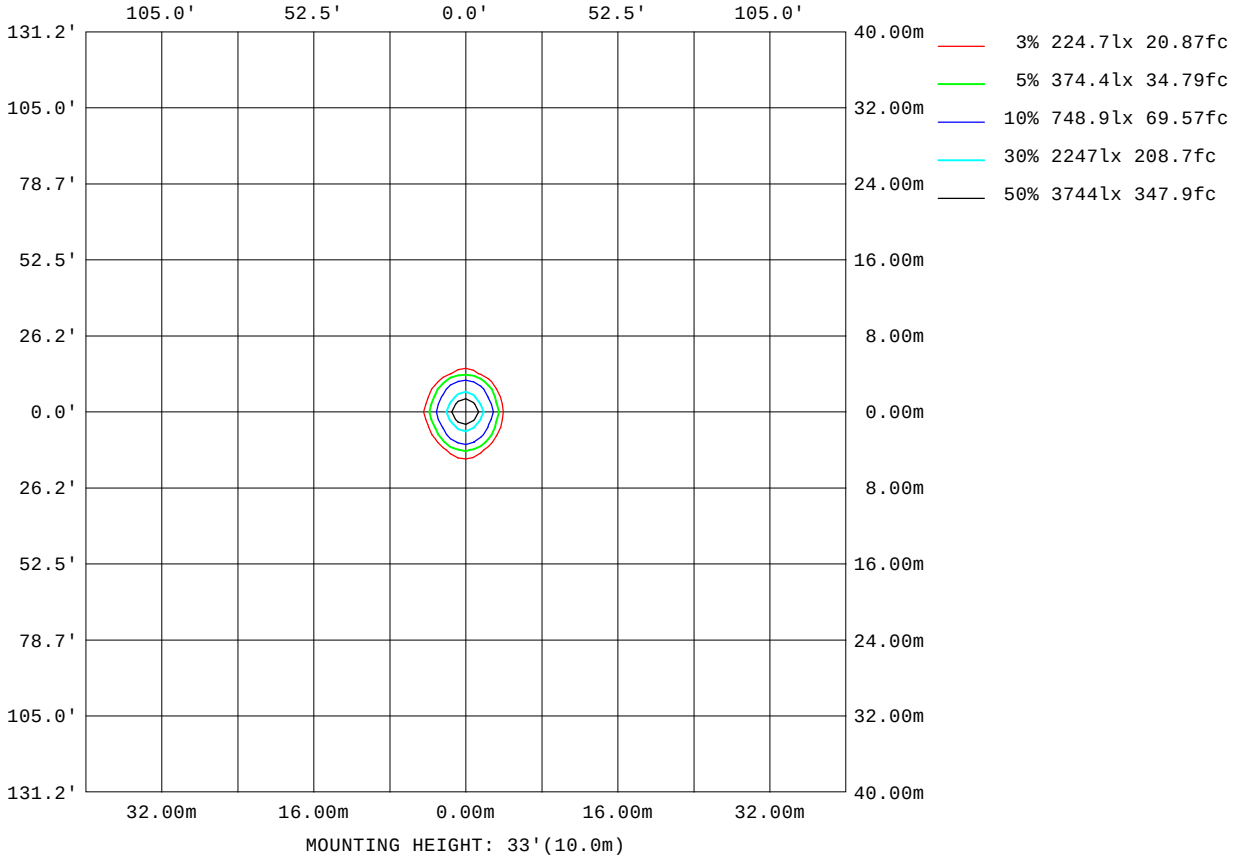


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:12 September 2020

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

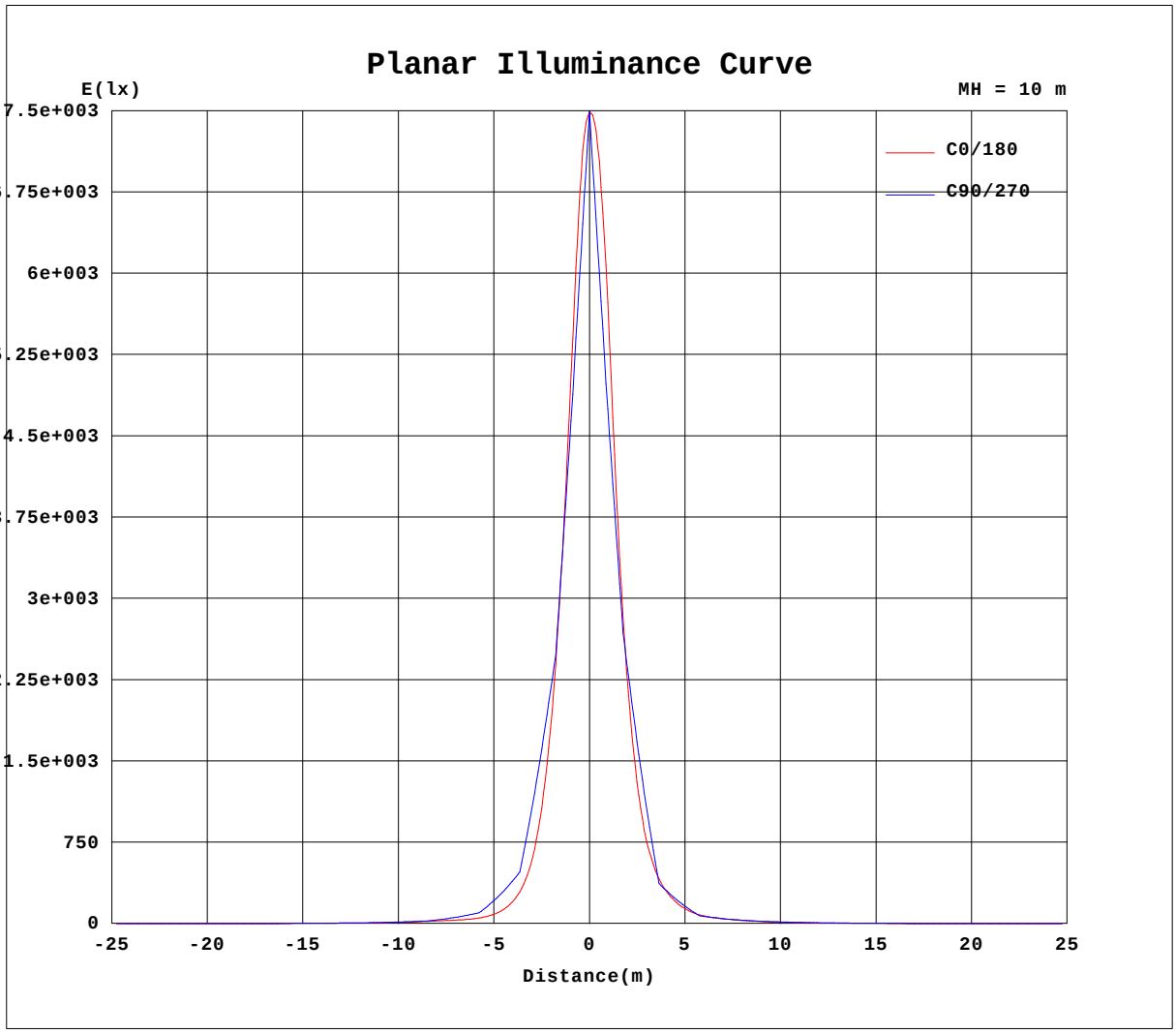
Test:U:233.9V I:3.159A P:705.4W PF:0.9547 Freq:50.03Hz Lamp Flux:97604.7x1 lm		
NAME: ITSP2700154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:12 September 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



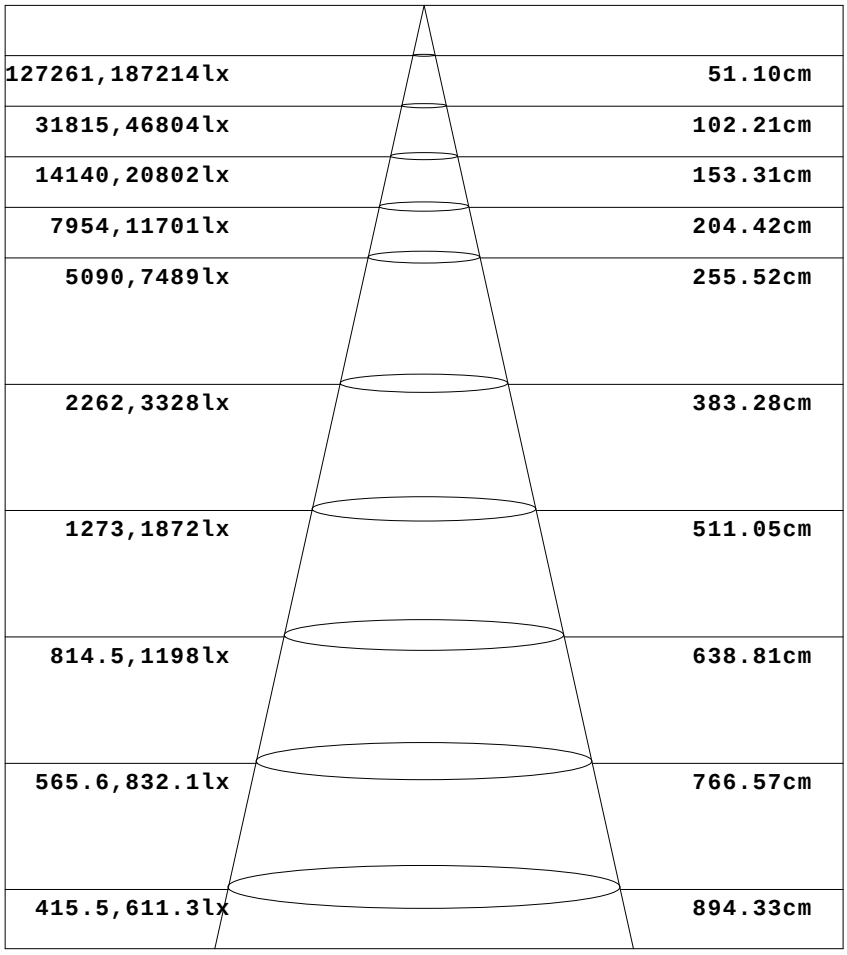
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:12 September 2020

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:233.9V I:3.159A P:705.4W PF:0.9547 Freq:50.03Hz Lamp Flux:97604.7x1 lm		
NAME: ITSP2700154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:27718 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:12 September 2020	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:233.9V I:3.159A P:705.4W PF:0.9547 Freq:50.03Hz Lamp Flux:97604.7x1 lm		
NAME: ITSP2700154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
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	2.11	1.97	2.13	2.27	2.34	2.40	2.47	2.54	2.61	2.68	2.74	2.80	2.85	2.90	2.96	3.00	3.02	3.04	3.06
-75	2.18	2.22	2.37	2.68	2.95	3.15	3.36	3.58	3.83	4.06	4.29	4.51	4.69	4.87	5.04	5.18	5.26	5.34	5.41
-70	2.35	2.49	2.88	3.33	3.72	4.06	4.42	4.83	5.23	5.63	6.02	6.38	6.67	6.97	7.25	7.43	7.56	7.71	7.80
-65	2.35	2.52	2.89	3.48	4.08	4.63	5.23	5.90	6.57	7.22	7.85	8.46	9.04	9.59	10.1	10.5	10.9	11.1	11.3
-60	2.48	2.73	3.34	4.14	4.87	5.67	6.57	7.52	8.44	9.31	10.2	11.0	11.9	12.6	13.3	13.9	14.4	14.7	14.9
-55	2.35	2.54	3.08	4.03	4.97	6.00	7.09	8.29	9.51	10.8	12.2	13.7	15.3	16.8	18.3	19.5	20.6	21.4	21.8
-50	2.31	2.63	3.51	4.66	5.87	7.18	8.58	10.0	11.6	13.4	15.5	17.7	20.0	22.2	24.3	26.1	27.6	28.5	28.9
-45	2.21	2.37	3.14	4.41	5.70	7.14	8.67	10.4	12.4	14.9	17.7	20.9	24.5	28.1	31.9	35.7	39.5	42.6	44.3
-40	2.13	2.56	3.75	5.13	6.66	8.32	10.1	12.3	15.1	18.7	22.5	26.9	31.8	37.0	42.5	48.5	54.2	58.4	60.0
-35	1.81	2.03	3.09	4.60	6.19	7.91	9.85	12.2	15.3	19.1	23.5	28.7	35.3	43.9	53.8	65.6	80.7	96.8	107
-30	1.49	2.16	3.67	5.31	7.05	9.01	11.4	14.5	18.4	22.9	28.5	35.4	45.3	58.6	73.8	94.0	121	146	156
-25	1.21	1.60	2.99	4.70	6.60	8.68	11.2	14.5	18.6	23.4	29.4	37.7	48.6	63.2	87.4	130	202	294	362
-20	1.02	2.02	3.64	5.57	7.77	10.2	13.4	17.6	22.4	28.3	36.3	48.3	62.1	83.8	129	216	355	512	576
-15	0.87	1.47	2.98	4.90	7.06	9.49	12.6	16.9	22.0	28.5	37.7	51.0	67.1	97.6	172	323	635	1142	1558
-10	0.90	2.11	3.78	5.86	8.26	11.0	15.0	20.1	26.4	35.1	48.9	65.8	90.5	156	315	629	1289	2185	2596
-5	0.78	1.55	2.99	5.01	7.31	9.91	13.4	18.3	24.5	32.9	46.4	65.2	90.5	152	304	643	1525	3303	4938
0	0.84	2.07	3.78	5.87	8.36	11.3	15.5	21.1	28.6	39.9	58.1	81.2	127	242	500	1182	2956	6148	7489
5	0.69	1.52	2.87	4.88	7.17	9.73	13.2	18.1	24.1	32.6	46.3	65.2	90.4	153	308	660	1558	3362	5040
10	0.79	1.90	3.55	5.58	7.93	10.6	14.5	19.5	25.7	34.7	48.7	65.4	91.0	159	327	673	1370	2339	2808
15	0.61	1.39	2.65	4.53	6.63	9.04	12.0	16.3	21.2	27.7	37.2	50.6	65.6	94.5	169	327	645	1159	1598
20	0.78	1.76	3.20	5.05	7.25	9.61	12.7	16.8	21.5	27.4	35.7	46.9	57.3	74.8	112	185	294	408	448
25	0.66	1.31	2.42	4.09	5.95	8.10	10.5	13.8	17.8	22.4	28.2	36.1	45.3	55.4	73.0	106	162	231	279
30	0.81	1.68	2.86	4.55	6.39	8.41	10.8	13.9	17.6	21.6	26.5	32.5	40.1	48.2	55.3	66.6	84.2	103	113
35	0.82	1.35	2.30	3.71	5.30	7.11	9.06	11.4	14.4	17.8	21.5	25.9	31.3	37.5	43.8	51.4	62.6	75.8	85.5
40	1.02	1.78	2.74	4.09	5.62	7.33	9.08	11.1	13.8	16.8	19.9	23.4	27.3	32.0	37.6	44.2	51.5	57.8	60.3
45	0.96	1.37	2.17	3.24	4.56	6.01	7.52	9.13	11.0	13.4	16.0	18.9	22.0	25.6	29.7	34.4	39.5	44.1	46.8
50	1.04	1.62	2.36	3.39	4.63	5.87	7.20	8.57	10.1	12.0	14.4	16.9	19.5	22.3	25.4	28.6	31.4	33.2	33.5
55	0.92	1.22	1.88	2.62	3.61	4.72	5.85	7.01	8.26	9.64	11.3	13.1	15.0	17.1	19.3	21.6	23.6	25.1	25.8
60	0.92	1.31	1.92	2.61	3.48	4.44	5.39	6.41	7.46	8.51	9.66	10.9	12.2	13.6	15.0	16.3	17.3	17.9	18.0
65	0.89	1.10	1.58	2.10	2.72	3.47	4.24	5.07	5.93	6.78	7.66	8.53	9.46	10.4	11.4	12.3	13.0	13.5	13.8
70	0.97	1.18	1.66	2.07	2.56	3.11	3.73	4.40	5.07	5.76	6.35	6.89	7.45	8.00	8.46	8.84	9.13	9.41	9.53
75	0.98	1.09	1.34	1.71	2.06	2.43	2.83	3.27	3.73	4.20	4.64	5.01	5.40	5.77	6.10	6.36	6.57	6.76	6.90
80	1.07	1.13	1.33	1.64	1.85	2.06	2.27	2.51	2.75	3.00	3.24	3.44	3.65	3.83	3.96	4.07	4.16	4.24	4.30
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:12 September 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:233.9V I:3.159A P:705.4W PF:0.9547 Freq:50.03Hz Lamp Flux:97604.7x1 lm		
NAME: ITSP2700154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
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	3.05	3.04	3.02	2.98	2.94	2.90	2.87	2.82	2.77	2.72	2.67	2.62	2.55	2.48	2.37	2.19	2.12	2.27
-75	5.42	5.37	5.32	5.23	5.10	4.96	4.81	4.61	4.40	4.19	3.98	3.75	3.52	3.30	3.08	2.76	2.45	2.43
-70	7.75	7.66	7.56	7.38	7.15	6.91	6.59	6.25	5.86	5.49	5.10	4.70	4.31	3.95	3.56	3.06	2.73	2.55
-65	11.3	11.2	10.9	10.6	10.2	9.72	9.21	8.64	8.05	7.45	6.83	6.17	5.55	4.92	4.34	3.66	3.07	2.80
-60	14.8	14.5	14.1	13.5	12.9	12.1	11.4	10.6	9.76	8.93	8.03	7.13	6.26	5.41	4.61	3.76	3.16	2.86
-55	21.8	21.4	20.6	19.7	18.5	17.2	15.7	14.2	12.7	11.4	10.2	8.96	7.79	6.66	5.56	4.45	3.51	3.05
-50	28.6	27.8	26.5	24.9	23.1	21.1	18.9	16.6	14.6	12.8	11.3	9.84	8.40	7.02	5.65	4.32	3.38	2.96
-45	44.1	42.3	39.2	35.6	31.9	28.5	25.3	22.2	19.4	16.6	14.1	12.0	10.2	8.48	6.85	5.32	3.91	3.16
-40	58.6	54.6	49.2	43.3	38.0	33.3	29.2	25.5	22.0	18.2	15.1	12.7	10.6	8.63	6.83	5.08	3.64	2.99
-35	105	92.3	76.7	63.6	53.5	44.4	36.5	30.7	26.0	21.8	17.9	14.5	12.0	9.72	7.68	5.79	4.02	2.97
-30	143	117	92.9	75.3	61.6	48.9	38.7	31.9	26.6	22.2	17.9	14.2	11.5	9.11	7.02	5.05	3.30	2.54
-25	344	260	173	113	78.7	59.7	47.8	37.5	30.3	24.9	20.5	16.2	12.8	10.2	7.89	5.78	3.91	2.55
-20	485	328	198	118	77.6	60.6	48.3	36.5	29.2	24.0	19.7	15.2	12.0	9.41	7.06	4.93	3.11	2.09
-15	1446	937	490	240	124	74.4	56.5	45.6	34.6	27.6	22.6	17.9	13.6	10.7	8.11	5.82	3.86	2.28
-10	2033	1137	534	248	119	69.5	56.6	44.9	33.5	26.9	21.8	16.8	12.7	9.86	7.29	4.97	3.25	1.97
-5	4523	2507	1083	427	184	92.1	62.2	52.9	39.1	30.5	24.4	19.2	14.3	11.1	8.35	5.91	3.83	2.24
0	5459	2509	956	354	153	81.1	60.6	49.9	36.4	28.9	22.7	17.4	13.0	10.1	7.42	5.01	3.20	1.75
5	4615	2560	1096	425	182	91.7	61.5	52.9	39.1	30.3	24.2	19.1	14.2	11.0	8.31	5.84	3.75	2.25
10	2189	1215	544	242	118	68.5	55.8	45.0	33.2	26.5	21.4	16.6	12.6	9.76	7.20	4.82	3.08	1.71
15	1477	949	481	228	116	68.5	52.9	43.6	32.7	26.2	21.5	17.1	12.9	10.1	7.61	5.33	3.40	2.04
20	379	264	167	101	64.9	51.5	43.7	32.8	26.2	21.8	18.0	13.8	10.8	8.38	6.19	4.13	2.61	1.50
25	264	202	138	90.9	63.2	48.2	40.2	31.5	25.2	21.1	17.6	13.8	10.7	8.41	6.31	4.36	2.73	1.56
30	105	85.5	66.3	54.2	47.0	38.0	29.8	24.5	20.8	17.6	14.2	11.0	8.72	6.72	4.86	3.14	1.91	0.96
35	84.8	74.0	59.9	48.5	41.3	34.5	28.1	23.3	19.9	16.8	13.7	10.8	8.69	6.83	5.05	3.38	2.09	1.12
40	57.6	51.1	43.2	36.0	30.2	25.7	22.2	19.2	16.6	13.6	10.8	8.84	7.14	5.51	3.88	2.48	1.49	0.74
45	46.1	42.5	37.2	32.0	27.3	23.6	20.5	17.8	15.3	12.9	10.5	8.67	7.10	5.59	4.10	2.75	1.77	0.95
50	32.2	29.8	27.0	24.0	21.3	18.9	16.7	14.4	12.1	10.1	8.58	7.23	5.87	4.49	3.17	2.14	1.34	0.75
55	25.4	24.1	22.2	20.2	18.2	16.3	14.5	12.8	11.0	9.44	8.10	6.89	5.68	4.48	3.30	2.35	1.60	0.96
60	17.6	16.9	15.9	14.7	13.5	12.2	10.9	9.76	8.66	7.63	6.63	5.63	4.56	3.50	2.62	1.92	1.27	0.86
65	13.6	13.3	12.7	12.0	11.1	10.2	9.35	8.49	7.63	6.77	5.93	5.07	4.23	3.40	2.64	2.03	1.44	1.02
70	9.42	9.20	8.91	8.53	8.08	7.58	7.07	6.51	5.91	5.23	4.53	3.84	3.23	2.65	2.15	1.69	1.22	0.98
75	6.89	6.77	6.61	6.40	6.14	5.81	5.47	5.11	4.70	4.24	3.78	3.29	2.86	2.45	2.06	1.69	1.30	1.09
80	4.28	4.22	4.16	4.06	3.94	3.77	3.58	3.36	3.13	2.87	2.62	2.37	2.15	1.92	1.68	1.36	1.18	1.09
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:12 September 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: