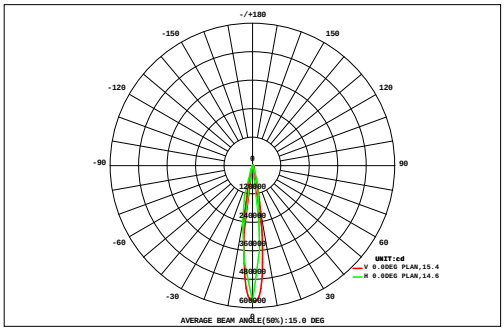
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		8876.2 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	35.7V x 29.0H
	At 50% of Imax	14.6V x 15.4H
	At 90% of Imax	4.6V x 7.1H
Beam Flux	Total	992.1 lumens per klm.
	To 10% of Imax	717.7 lumens per klm.
	To 50% of Imax	320.9 lumens per klm.
	To 90% of Imax	37.1 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.2 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.1V I:2.333A P:505.4W PF:0.9802 Freq:49.99Hz Lamp Flux:64635.4x1 lm		
NAME: ITSP3500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:127.88lm/W	
MODEL		Imax(cd)	573717
NOMINAL POWER(W)	500	AVAILABILITY(%)	74.3
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	48046
NOMINAL FLUX(lm)	64635.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	64635
TEST VOLTAGE(V)	220	q @50%(H,V)	15,15DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-27	-24	-21	-18	-15	-12	-9	-6	HORIZONTAL(DEG) 6	9	12	15	18	21	24	27	F t	F a
27	7.76	8.70	9.40	10.9	13.6	17.2	21.5	26.0	29.3	29.9	27.9	24.0	19.3	15.0	11.7	9.66	8.43	7.29	297	0.00
24	7.70	8.98	10.9	14.2	19.6	27.2	36.5	46.0	53.6	56.9	54.4	46.9	37.0	27.2	19.5	13.6	10.3	8.64	499	0.00
21	8.79	10.6	14.0	20.0	28.7	40.1	52.9	64.1	70.9	70.9	63.9	52.1	38.9	27.8	19.1	13.1	10.0	8.43	614	0.00
18	10.00	12.4	17.3	26.4	38.6	54.0	70.1	83.0	88.5	84.8	72.7	56.3	40.0	27.6	18.1	12.3	9.63	8.10	730	0.00
15	11.9	15.7	22.6	34.3	62.2	115	196	303	412	462	419	313	201	114	57.7	32.1	20.3	13.0	2805	2290
12	14.5	20.5	30.7	50.4	96.2	179	301	456	594	633	546	391	242	131	65.0	36.3	22.2	13.8	3824	3362
9	19.9	30.7	48.0	86.8	170	304	489	700	828	781	592	378	211	97.8	48.7	30.0	18.0	11.6	4843	4390
-9	19.1	27.8	42.2	70.6	140	272	491	793	1060	1111	981	689	406	201	89.9	45.1	26.7	16.2	6481	6037
-12	17.7	23.8	34.3	49.6	101	226	477	876	1295	1461	1406	1032	622	318	136	61.8	36.4	21.3	8196	7772
-15	27.9	41.2	62.9	121	268	547	1008	1546	1726	1660	1259	748	371	151	66.7	36.7	22.5	13.9	9676	9253
-18	26.4	38.8	59.1	113	248	504	932	1433	1612	1556	1192	717	361	150	67.3	36.8	22.5	14.0	9084	8659
-21	11.7	15.2	21.8	25.8	36.0	67.9	145	311	593	716	770	620	403	220	102	48.4	28.6	17.5	4153	3707
-24	11.6	16.4	24.8	34.6	58.9	97.3	143	196	307	345	347	281	189	110	56.6	31.0	18.7	12.6	2278	1783
-27	12.2	18.9	30.0	48.1	82.9	122	141	110	57.2	29.2	4.61	0.00	0.27	2.85	6.54	11.0	7.44	6.98	691	115
	9.03	10.5	14.2	19.5	28.1	47.4	79.3	122	170	202	198	161	114	71.4	41.4	25.3	17.4	12.1	1342	622
	7.77	8.21	9.74	11.9	12.8	18.7	29.6	49.2	79.5	109	121	107	81.6	54.5	33.2	21.2	15.7	11.4	783	54.0
	8.58	10.5	12.7	17.7	24.6	30.8	33.9	30.7	21.2	13.3	8.90	6.89	5.72	5.88	7.11	8.34	8.42	8.26	263	0.00
	7.89	9.14	10.7	13.5	17.2	20.8	23.1	25.3	30.6	33.2	32.2	27.8	22.2	16.7	12.4	10.8	9.85	9.03	332	0.00
F t	241	328	475	768	1447	2691	4670	7170	9027	9354	8096	5650	3365	1743	859	483	313	214	56894	---
F a	0.00	0.00	0.00	76.5	681	1997	4179	6649	8534	8926	7737	5219	2937	1051	59.0	0.00	0.00	0.00	---	48046

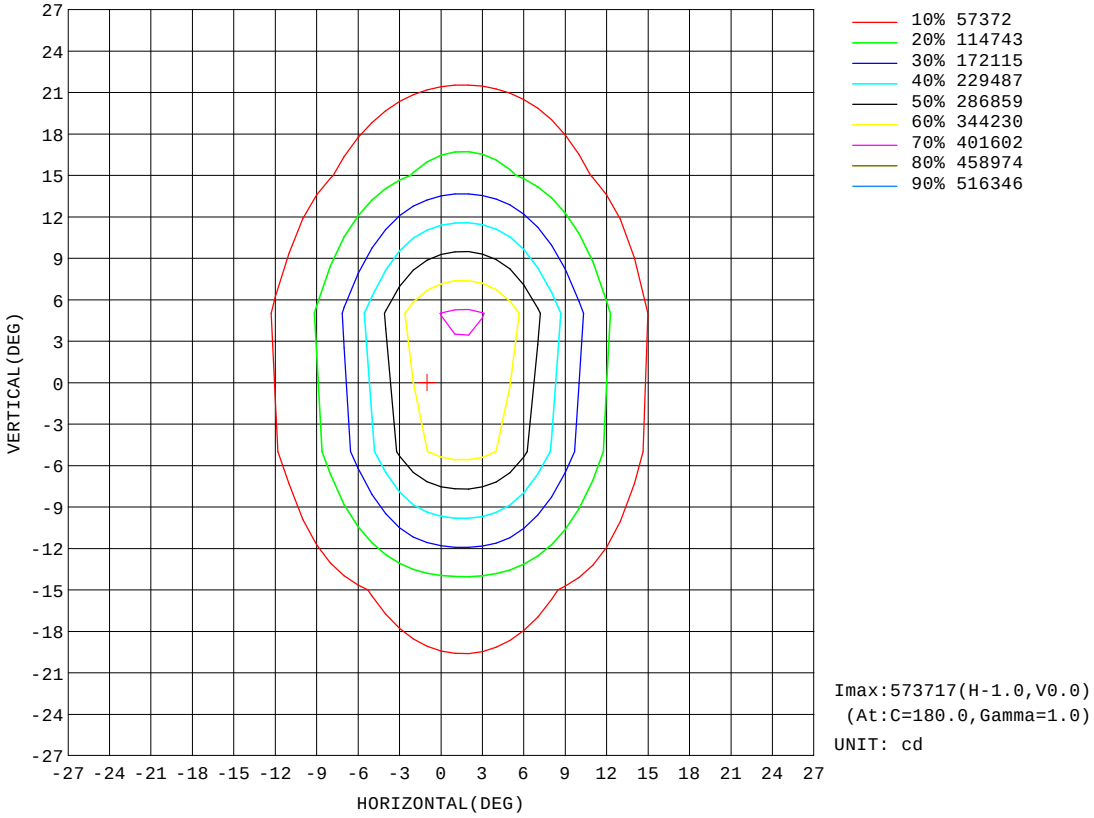
one-half-peak spread: U:6.4,D:8.4 , L:7.2,R:8.8 NEMA Beam Type: Type 2 x 3 (H x V)

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:08 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:11.900m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:221.1V I:2.333A P:505.4W PF:0.9802 Freq:49.99Hz Lamp Flux:64635.4x1 lm		
NAME: ITSP3500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

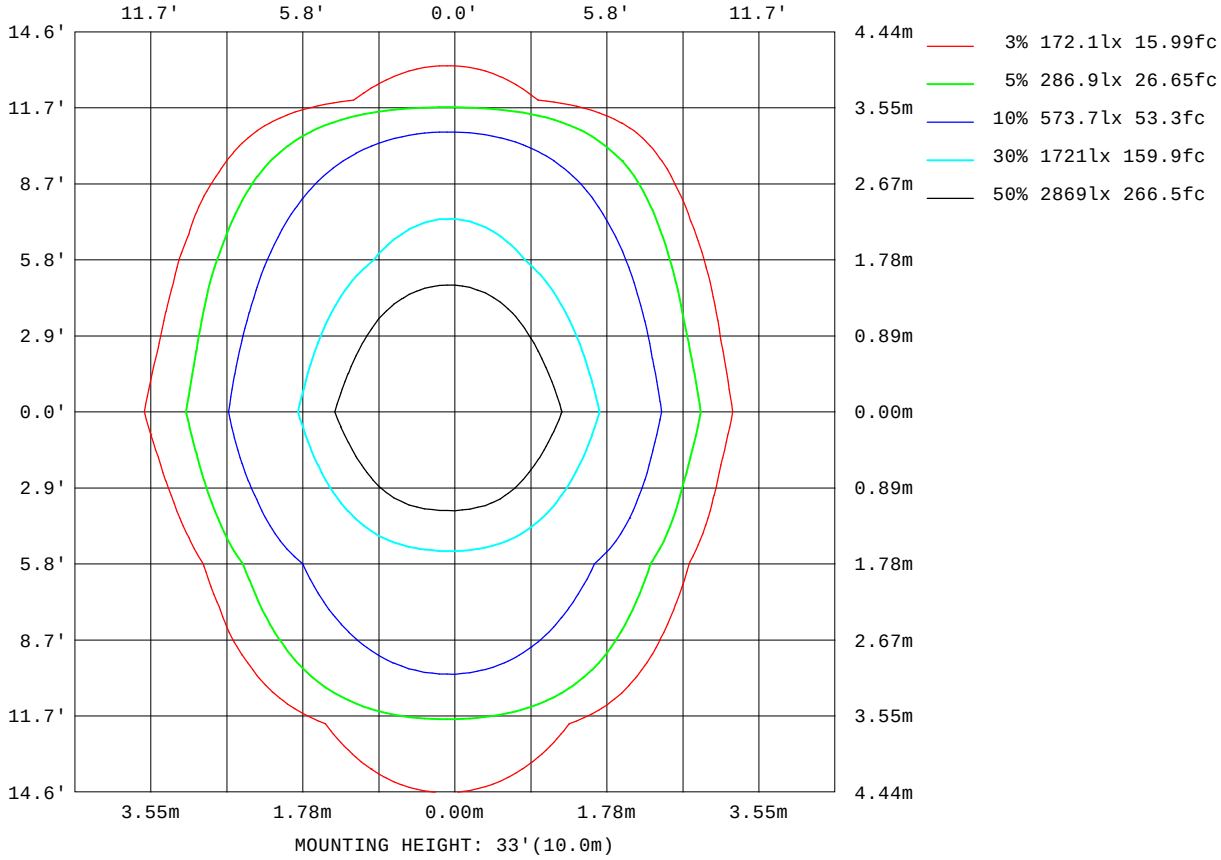


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:08 June 2020

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:11.900m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

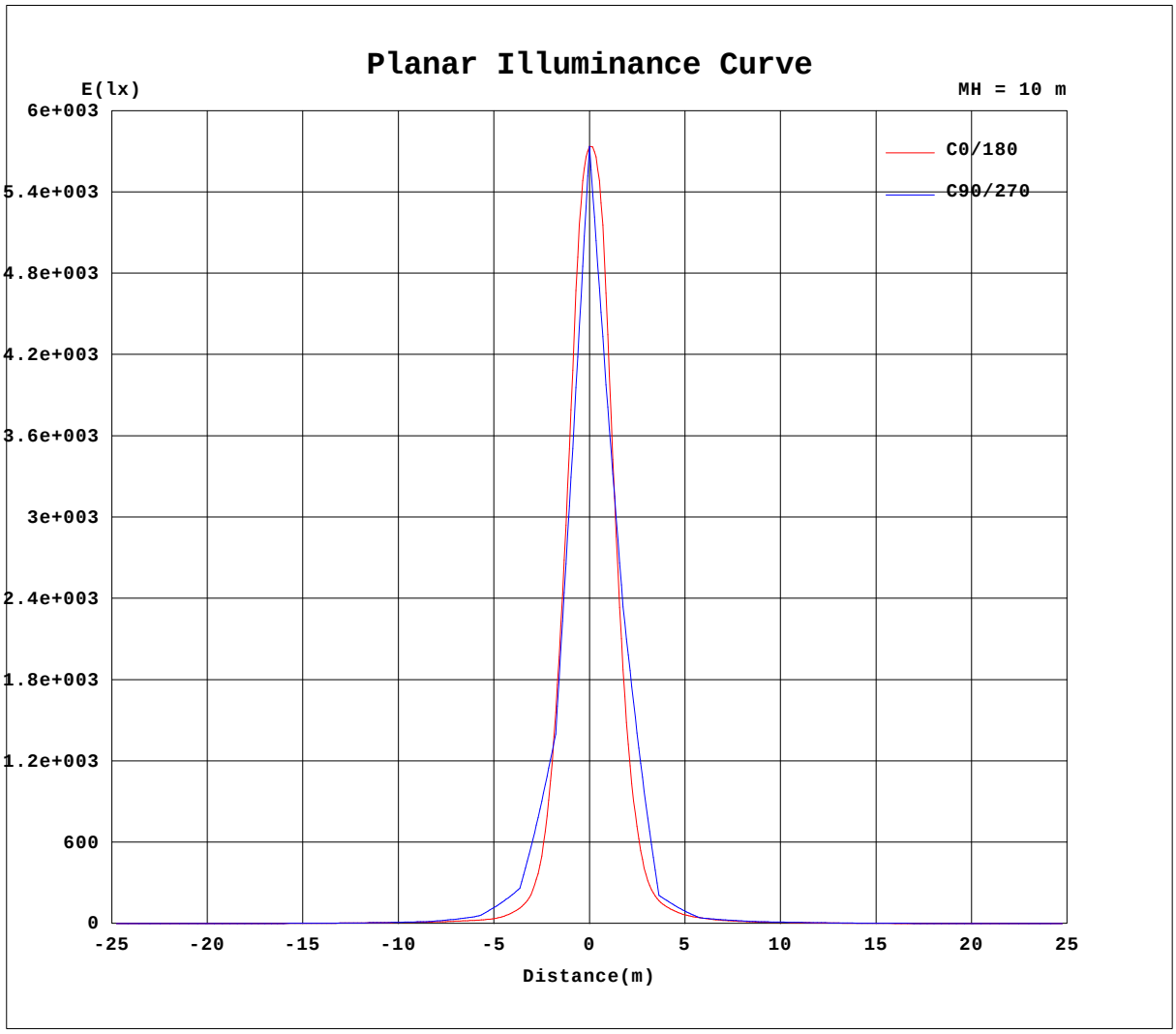
Test:U:221.1V I:2.333A P:505.4W PF:0.9802 Freq:49.99Hz Lamp Flux:64635.4x1 lm		
NAME: ITSP3500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:08 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:11.900m [K=1.0000]
Remarks:

Planar Illuminance Curve

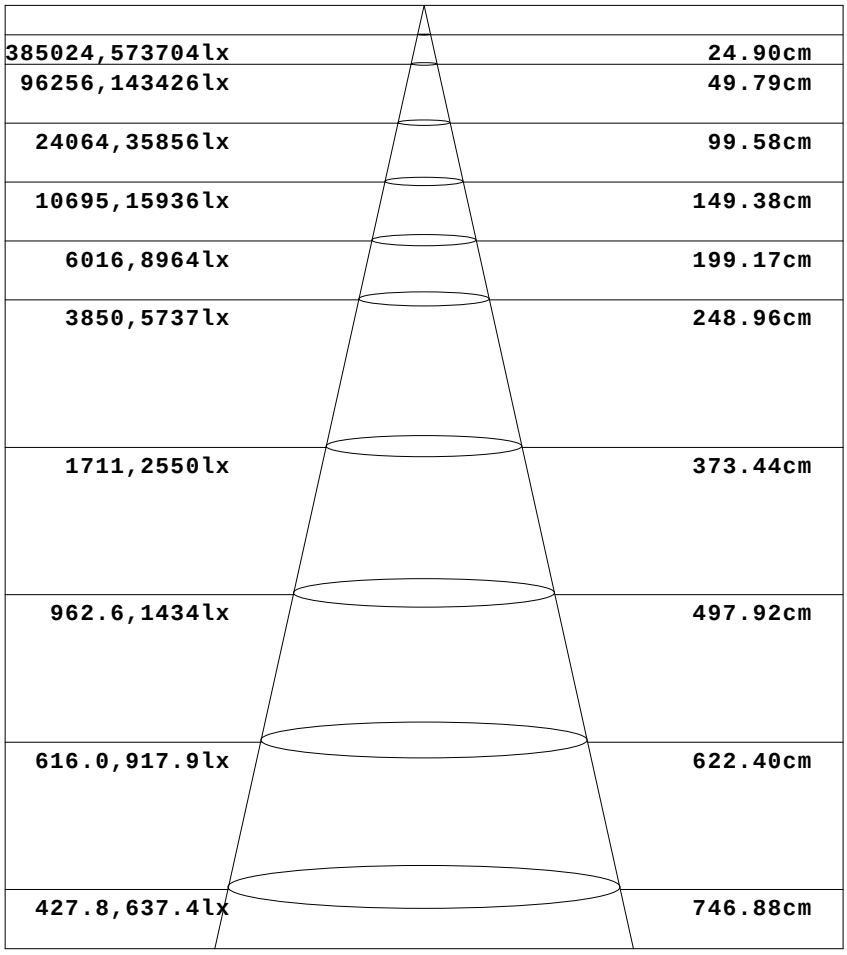


H(b) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(b) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Temperature:25.3DEG	Humidity:65.0%
Operators:DAMIN	Test Distance:11.900m [K=1.0000]
Test Date:08 June 2020	Remarks:

AAI Figure

Test:U:221.1V I:2.333A P:505.4W PF:0.9802 Freq:49.99Hz Lamp Flux:64635.4x1 lm		
NAME: ITSP3500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:20965 lm



Height Eavg,Emax Angle:14.19deg 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:08 June 2020	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.1V I:2.333A P:505.4W PF:0.9802 Freq:49.99Hz Lamp Flux:64635.4x1 lm		
NAME: ITSP3500154000	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	1.35	1.41	1.55	1.65	1.70	1.74	1.80	1.87	1.94	2.01	2.09	2.18	2.26	2.33	2.40	2.47	2.56	2.68	2.64
-75	1.40	1.47	1.60	1.78	1.91	2.07	2.26	2.47	2.71	2.96	3.21	3.46	3.69	3.90	4.10	4.28	4.45	4.62	4.79
-70	1.51	1.61	1.80	2.02	2.25	2.53	2.88	3.25	3.68	4.11	4.53	4.93	5.29	5.65	5.92	6.22	6.49	6.72	7.03
-65	1.43	1.50	1.67	1.98	2.33	2.77	3.30	3.90	4.55	5.29	6.02	6.70	7.40	8.06	8.64	9.08	9.50	9.77	9.99
-60	1.40	1.49	1.78	2.20	2.74	3.40	4.19	5.05	5.99	7.07	8.06	9.02	10.1	11.0	11.7	12.3	12.8	13.0	13.1
-55	1.36	1.40	1.64	2.16	2.80	3.63	4.63	5.77	7.04	8.44	9.93	11.4	12.9	14.2	15.4	16.5	17.4	17.9	18.2
-50	1.35	1.43	1.91	2.58	3.49	4.60	5.98	7.47	9.20	11.0	13.0	15.0	16.9	18.5	20.1	21.4	22.6	23.1	23.4
-45	1.40	1.41	1.76	2.52	3.45	4.66	6.18	8.01	10.1	12.3	14.7	17.3	20.0	22.3	24.4	26.2	27.7	29.0	29.6
-40	1.44	1.54	2.24	3.13	4.32	5.85	7.81	10.1	12.8	15.5	18.5	21.8	25.0	27.9	30.2	32.3	33.9	35.5	36.0
-35	1.22	1.24	1.75	2.77	3.97	5.56	7.58	10.1	13.0	15.9	19.2	22.6	25.7	29.0	33.0	39.0	46.1	55.3	61.8
-30	0.97	1.14	2.05	3.24	4.81	6.78	9.21	12.3	15.4	18.9	22.7	26.1	28.8	33.0	40.5	50.8	65.4	81.7	88.5
-25	0.76	0.83	1.52	2.84	4.37	6.48	9.02	12.1	15.6	19.2	22.8	25.3	28.2	32.7	41.5	60.4	98.8	156	200
-20	0.57	0.84	1.92	3.54	5.48	8.07	11.1	14.8	18.5	22.5	25.1	26.5	31.7	37.8	54.0	94.3	175	276	316
-15	0.51	0.61	1.41	2.96	4.88	7.33	10.3	14.1	18.2	22.9	25.5	27.8	33.1	42.2	66.2	125	292	594	870
-10	0.50	0.85	1.95	3.90	6.11	8.81	12.2	16.7	21.5	25.8	27.5	33.1	41.6	59.1	114	252	625	1177	1468
-5	0.47	0.60	1.40	3.04	5.26	7.72	10.9	15.3	20.1	25.8	28.4	34.6	47.4	68.9	122	269	845	2227	3549
0	0.48	0.83	1.96	3.95	6.23	9.02	13.0	17.6	23.4	27.9	32.7	45.5	67.6	109	205	598	1962	4708	5737
5	0.43	0.57	1.33	2.97	5.15	7.64	10.9	15.3	20.3	26.0	28.9	36.1	50.1	73.8	132	298	956	2500	4024
10	0.41	0.73	1.82	3.71	5.92	8.66	12.2	16.8	21.9	26.3	28.9	37.1	48.6	72.8	141	355	950	1907	2449
15	0.38	0.49	1.21	2.72	4.61	7.10	10.1	14.1	18.5	23.5	26.3	29.5	36.6	46.9	75.7	154	399	849	1314
20	0.36	0.64	1.65	3.16	5.17	7.83	11.0	15.0	19.1	23.4	25.3	27.0	31.6	37.2	52.7	93.4	159	228	253
25	0.36	0.45	1.08	2.33	3.95	6.15	8.87	12.3	16.0	19.9	23.5	25.2	28.1	31.0	38.1	54.2	86.2	128	159
30	0.36	0.59	1.45	2.65	4.36	6.53	9.19	12.6	15.8	19.6	23.1	24.9	26.5	29.7	32.2	36.7	46.5	59.4	67.9
35	0.43	0.51	1.02	1.98	3.33	5.09	7.27	9.98	13.1	16.1	19.4	22.2	24.2	26.5	29.2	31.4	36.9	44.9	52.6
40	0.51	0.70	1.33	2.28	3.60	5.29	7.39	9.77	12.5	15.2	18.1	21.1	23.7	25.7	27.5	29.6	33.2	37.4	39.5
45	0.54	0.59	0.97	1.65	2.66	3.95	5.58	7.45	9.70	11.9	14.3	16.9	19.4	21.7	23.9	26.3	29.2	32.2	34.1
50	0.57	0.69	1.10	1.75	2.67	3.82	5.24	6.78	8.62	10.5	12.7	14.8	16.9	19.4	22.2	25.1	27.9	29.0	29.1
55	0.51	0.54	0.78	1.22	1.89	2.76	3.85	5.03	6.41	7.92	9.50	11.2	13.0	14.9	16.9	18.9	20.7	21.9	22.5
60	0.45	0.52	0.77	1.18	1.76	2.49	3.37	4.33	5.41	6.54	7.67	9.04	10.5	12.0	13.1	14.3	15.0	15.3	15.7
65	0.46	0.48	0.62	0.87	1.25	1.75	2.38	3.07	3.82	4.69	5.53	6.45	7.43	8.44	9.35	10.1	10.8	11.2	11.5
70	0.48	0.51	0.64	0.83	1.11	1.47	1.92	2.40	2.93	3.50	4.10	4.63	5.16	5.70	6.15	6.56	6.94	7.29	7.28
75	0.51	0.53	0.58	0.70	0.85	1.06	1.33	1.62	1.94	2.30	2.68	3.03	3.37	3.71	4.03	4.27	4.54	4.79	4.88
80	0.56	0.57	0.61	0.67	0.75	0.85	0.96	1.10	1.24	1.40	1.56	1.71	1.86	1.98	2.10	2.21	2.32	2.53	2.49
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:08 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:11.900m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.1V I:2.333A P:505.4W PF:0.9802 Freq:49.99Hz Lamp Flux:64635.4x1 lm		
NAME: ITSP3500154000	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	2.68	2.57	2.49	2.42	2.35	2.28	2.20	2.11	2.03	1.96	1.90	1.84	1.79	1.74	1.70	1.64	1.55	1.48
-75	4.79	4.60	4.43	4.25	4.08	3.87	3.65	3.42	3.17	2.93	2.70	2.48	2.28	2.11	1.97	1.86	1.72	1.65
-70	6.79	6.48	6.23	5.94	5.67	5.28	4.92	4.52	4.11	3.70	3.32	2.96	2.63	2.36	2.15	1.96	1.83	1.72
-65	10.0	9.79	9.45	9.04	8.55	7.94	7.27	6.57	5.89	5.21	4.53	3.91	3.34	2.84	2.45	2.15	1.92	1.82
-60	13.1	12.9	12.3	11.7	11.0	10.1	9.06	8.08	7.14	6.15	5.23	4.40	3.64	2.99	2.50	2.12	1.90	1.83
-55	18.3	18.0	17.4	16.4	15.3	14.1	12.7	11.3	9.87	8.51	7.18	5.93	4.80	3.83	3.06	2.48	2.04	1.89
-50	23.3	22.7	21.6	20.2	18.6	17.1	15.2	13.3	11.5	9.81	8.06	6.56	5.13	4.02	3.11	2.42	2.00	1.87
-45	29.6	28.9	27.8	26.2	24.4	22.3	20.0	17.5	15.2	12.8	10.6	8.56	6.67	5.11	3.86	2.89	2.17	1.93
-40	35.6	34.3	32.9	30.9	28.6	25.8	22.7	19.8	17.0	14.2	11.4	9.01	6.89	5.14	3.76	2.72	2.06	1.91
-35	60.5	52.9	44.5	38.6	33.7	30.2	26.9	23.6	20.3	16.9	13.8	10.8	8.21	6.05	4.35	3.06	2.08	1.77
-30	80.3	64.2	51.1	42.2	35.9	31.8	28.5	24.8	20.9	17.2	13.7	10.4	7.74	5.51	3.79	2.56	1.72	1.57
-25	187	133	81.6	53.2	40.6	34.4	29.7	26.6	23.5	19.7	16.0	12.3	9.20	6.60	4.54	3.02	1.86	1.47
-20	256	157	83.4	52.2	38.9	32.8	28.2	26.2	23.2	19.1	15.3	11.5	8.47	5.93	3.97	2.44	1.48	1.30
-15	797	470	206	91.2	50.1	36.7	30.7	27.2	25.6	22.6	18.0	13.7	10.2	7.24	4.86	3.08	1.80	1.31
-10	1092	538	204	90.0	45.9	34.6	29.4	27.0	26.5	22.1	17.2	12.7	9.39	6.51	4.29	2.51	1.50	1.23
-5	3245	1623	520	160	72.1	42.5	34.2	28.9	27.3	25.1	19.8	14.9	10.8	7.74	5.22	3.17	1.81	1.28
0	4132	1631	409	140	63.4	41.7	33.9	29.0	27.5	23.7	18.3	13.4	9.62	6.89	4.43	2.52	1.49	1.21
5	3664	1822	572	170	76.1	43.5	34.8	29.3	27.4	25.3	20.0	14.9	10.8	7.77	5.30	3.14	1.77	1.23
10	1753	795	252	105	49.7	36.7	30.9	27.6	26.6	22.6	17.4	12.8	9.33	6.65	4.30	2.44	1.43	1.15
15	1190	655	255	98.4	50.8	35.1	29.7	26.5	25.4	22.7	18.0	13.5	9.94	7.12	4.81	2.86	1.59	1.10
20	213	139	79.3	44.8	33.4	29.7	25.3	24.7	23.0	18.9	14.9	11.1	8.13	5.62	3.74	2.06	1.18	0.95
25	151	112	70.7	43.7	33.1	28.1	25.3	23.8	22.0	18.5	14.9	11.2	8.27	5.79	3.82	2.28	1.18	0.79
30	62.3	49.1	37.0	31.4	27.9	25.3	23.9	22.0	18.5	15.1	11.9	8.81	6.28	4.23	2.69	1.43	0.73	0.58
35	52.5	45.1	36.1	30.2	27.6	25.0	22.8	20.6	17.6	14.5	11.7	8.72	6.35	4.36	2.78	1.64	0.77	0.49
40	38.1	33.6	29.4	26.6	25.0	22.8	20.1	17.1	14.2	11.5	8.90	6.59	4.71	3.12	1.89	0.99	0.47	0.39
45	33.8	31.4	27.6	24.7	22.4	20.4	18.1	15.6	13.1	10.7	8.49	6.44	4.67	3.21	2.04	1.19	0.58	0.39
50	28.0	26.1	23.3	20.8	18.4	16.2	14.3	12.1	10.0	8.09	6.27	4.76	3.39	2.30	1.42	0.80	0.44	0.39
55	21.8	20.9	19.1	17.3	15.5	13.7	12.1	10.4	8.76	7.21	5.74	4.43	3.26	2.28	1.49	0.92	0.54	0.42
60	14.9	14.4	13.5	12.4	11.3	9.91	8.60	7.37	6.29	5.10	4.07	3.11	2.28	1.58	1.04	0.68	0.48	0.45
65	11.2	10.8	10.2	9.49	8.73	7.81	6.88	5.97	5.13	4.28	3.47	2.74	2.07	1.51	1.06	0.75	0.54	0.49
70	7.17	6.82	6.37	5.99	5.48	4.95	4.44	3.88	3.33	2.76	2.27	1.81	1.39	1.05	0.79	0.62	0.53	0.51
75	4.90	4.64	4.37	4.11	3.83	3.51	3.17	2.83	2.47	2.12	1.78	1.48	1.20	0.96	0.78	0.65	0.57	0.55
80	2.41	2.28	2.16	2.04	1.93	1.79	1.64	1.49	1.33	1.18	1.04	0.92	0.81	0.72	0.66	0.60	0.58	0.57
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:08 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:11.900m [K=1.0000]
Remarks: