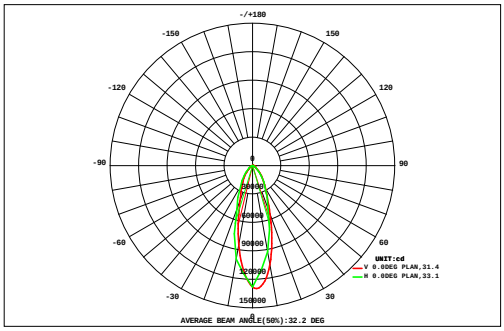
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		1819.8 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	83.3V x 81.3H
	At 50% of Imax	33.1V x 31.4H
	At 90% of Imax	8.6V x 11.4H
Beam Flux	Total	1000.3 lumens per klm.
	To 10% of Imax	813.1 lumens per klm.
	To 50% of Imax	305.0 lumens per klm.
	To 90% of Imax	32.1 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.6V I:2.268A P:497.3W PF:0.9939 Freq:50.00Hz Lamp Flux:71199.8x1 lm		
NAME: ITSP3500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:143.17lm/W	
MODEL		Imax(cd)	129566
NOMINAL POWER(W)	500	AVAILABILITY(%)	81.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	58293
NOMINAL FLUX(lm)	71199.8	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	71200
TEST VOLTAGE(V)	220	q @50%(H,V)	31,33DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG) 16	24	32	40	48	56	64	72	F t	F a
72	2.43	4.97	8.54	12.8	17.3	21.7	25.8	29.2	31.1	30.8	28.4	24.7	20.4	15.9	11.4	7.31	4.05	1.88	299	0.00
64	3.47	7.37	12.9	19.6	26.8	34.8	42.9	49.7	53.6	53.4	48.8	41.7	33.6	25.7	18.7	12.2	6.82	3.10	495	0.00
56	4.34	9.56	17.2	27.1	39.6	55.4	74.9	93.7	106	106	95.0	76.3	56.6	40.6	27.9	18.0	10.2	4.73	863	0.00
48	5.50	12.3	22.3	37.1	60.0	93.8	136	175	198	200	181	145	103	66.3	40.7	24.0	13.3	6.15	1519	77.4
40	7.67	16.7	31.0	57.3	104	172	248	308	342	341	301	235	160	96.3	53.5	28.5	14.8	6.60	2524	1568
32	8.91	19.7	40.3	84.9	161	264	372	470	539	533	456	352	240	141	72.5	35.2	17.7	7.93	3815	3147
24	9.25	21.3	47.3	106	204	340	512	736	928	912	709	500	336	201	104	46.7	21.7	9.86	5744	5193
-24	9.36	21.9	50.0	117	232	397	661	1121	1603	1654	1216	723	434	258	136	59.5	25.6	11.5	8728	8249
-32	10.1	23.5	55.3	133	261	445	778	1431	2140	2244	1615	890	485	281	149	64.5	26.9	11.9	11042	10596
-40	11.9	27.5	68.0	159	296	511	950	1709	2336	2182	1428	762	430	251	128	54.0	23.7	10.5	11337	10896
-48	11.2	25.6	60.5	140	265	445	727	1187	1583	1540	1098	666	406	239	123	53.0	23.7	10.6	8604	8133
-56	9.48	21.3	45.6	102	200	333	486	670	871	934	787	555	361	216	115	52.6	24.0	11.0	5795	5248
-64	8.19	18.3	36.4	75.1	146	246	363	472	557	573	505	396	278	171	92.4	45.1	22.2	10.5	4014	3354
-72	7.59	16.6	31.9	59.6	107	175	253	318	351	347	313	255	180	111	62.3	34.1	18.7	9.02	2650	1740
F t	129	287	597	1241	2282	3763	5932	9128	12027	12034	9129	5906	3736	2266	1240	604	294	136	70728	---
F a	0.00	0.00	0.00	215	1170	2923	5171	8395	11302	11324	8390	5165	2882	1175	179	0.00	0.00	0.00	---	58293

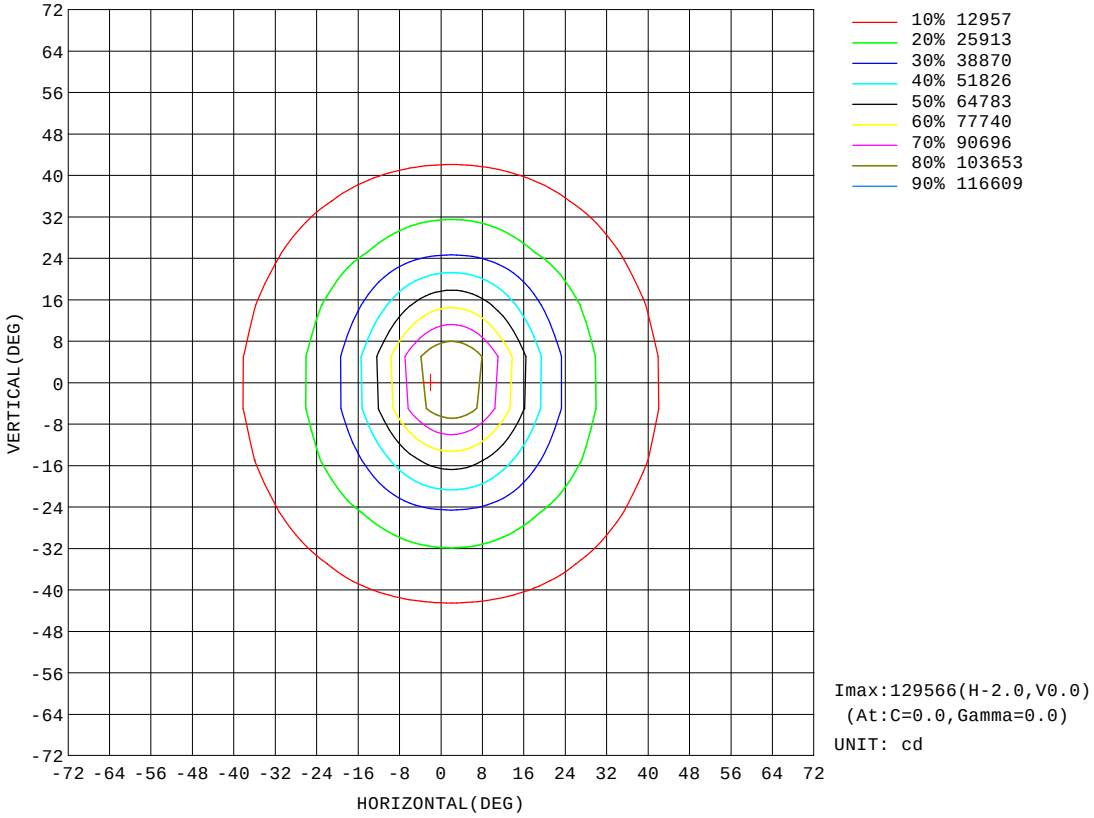
one-half-peak spread: U:16.4,D:17.0 , L:15.8,R:15.8 **NEMA Beam Type: Type 5**

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 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:220.6V I:2.268A P:497.3W PF:0.9939 Freq:50.00Hz Lamp Flux:71199.8x1 lm		
NAME: ITSP3500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

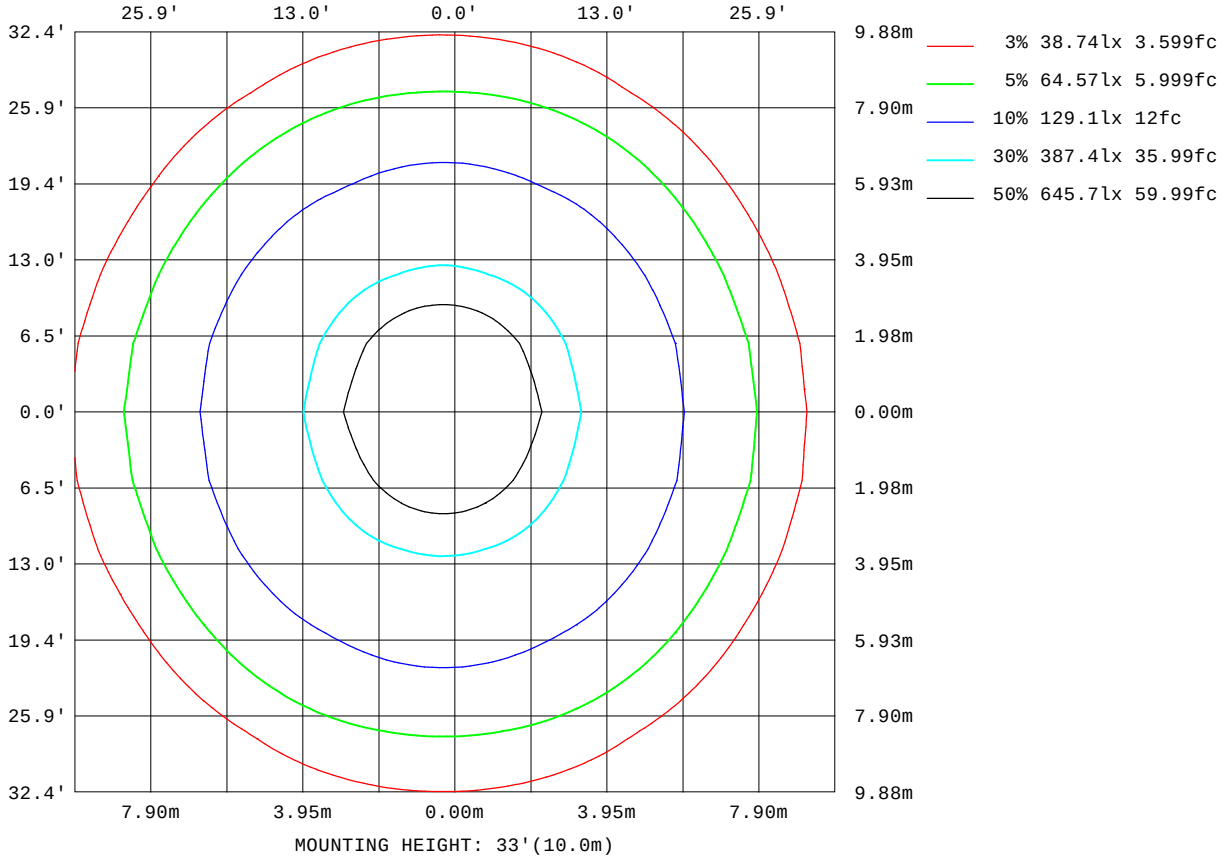


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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

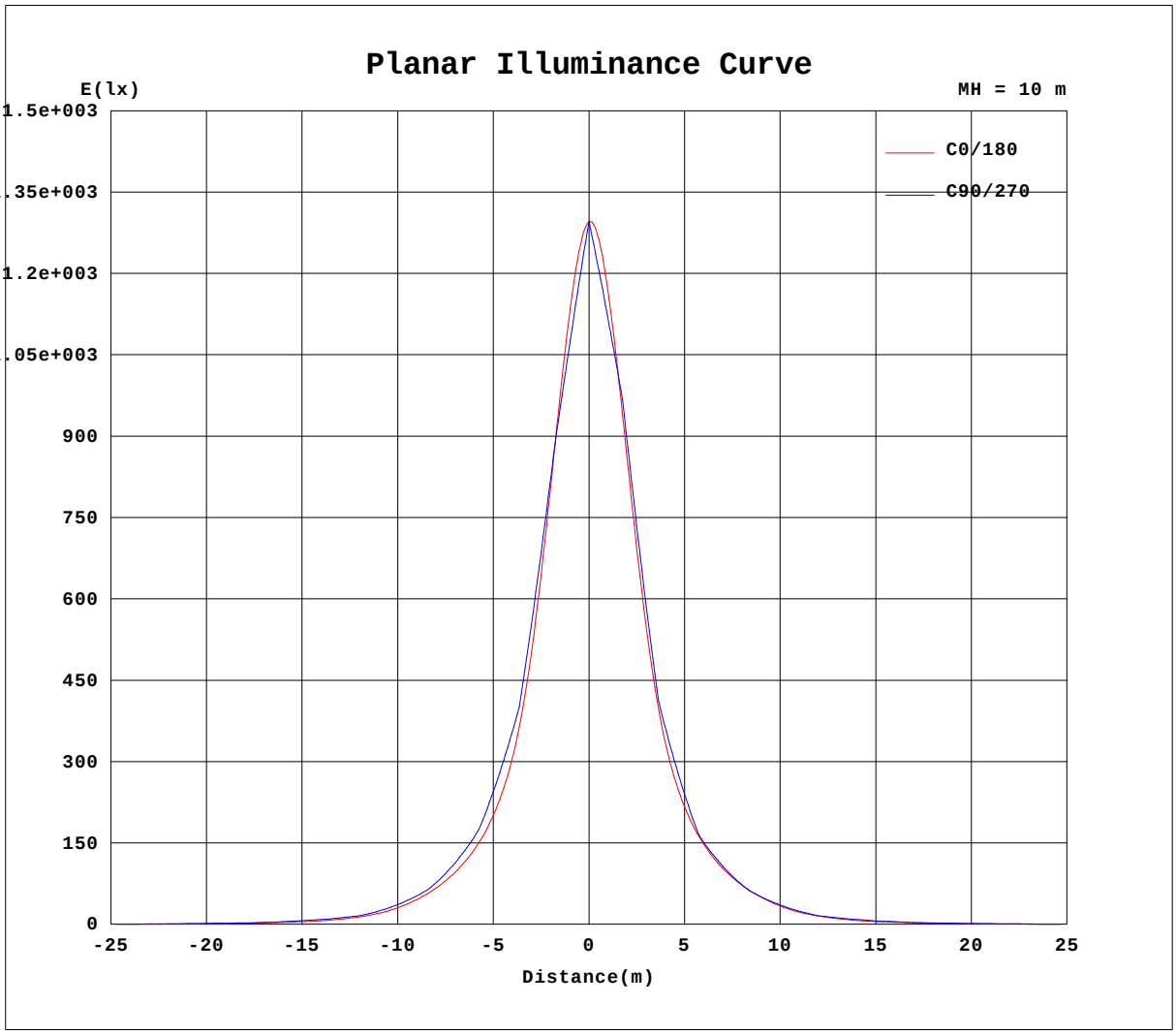
Test:U:220.6V I:2.268A P:497.3W PF:0.9939 Freq:50.00Hz Lamp Flux:71199.8x1 lm		
NAME: ITSP3500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 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



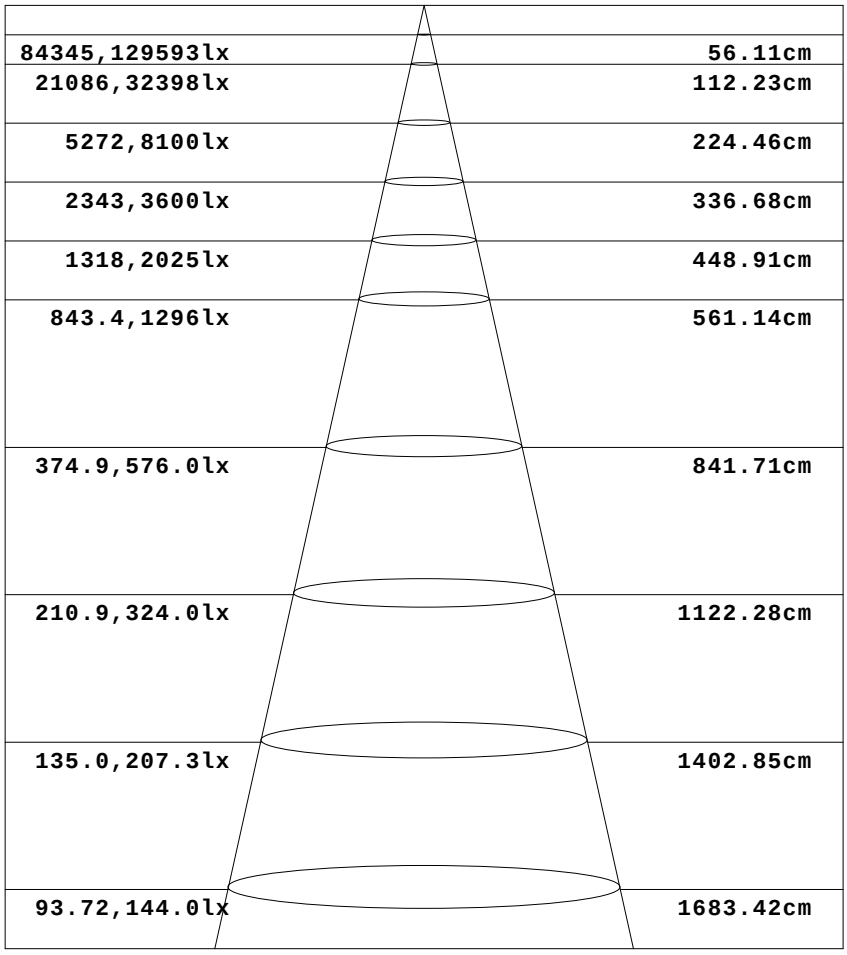
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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:220.6V I:2.268A P:497.3W PF:0.9939 Freq:50.00Hz Lamp Flux:71199.8x1 lm		
NAME: ITSP3500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:21787 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:02 March 2020	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:2.268A P:497.3W PF:0.9939 Freq:50.00Hz Lamp Flux:71199.8x1 lm		
NAME: ITSP3500304000	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	2.00	2.00	2.16	2.30	2.42	2.57	2.73	2.93	3.12	3.33	3.54	3.73	3.92	4.08	4.22	4.33	4.43	4.49	4.50
-75	1.95	2.02	2.10	2.40	2.74	3.14	3.59	4.13	4.71	5.32	5.93	6.52	7.08	7.58	8.05	8.46	8.79	9.07	9.24
-70	2.03	2.12	2.49	3.04	3.68	4.42	5.30	6.25	7.27	8.28	9.28	10.2	11.1	11.8	12.6	13.1	13.6	14.0	14.0
-65	1.90	2.02	2.23	2.90	3.78	4.84	6.07	7.47	9.00	10.6	12.2	13.7	15.2	16.7	18.1	19.4	20.4	21.2	21.6
-60	1.98	2.17	2.97	4.16	5.55	7.22	9.06	11.1	13.3	15.4	17.5	19.5	21.7	23.8	25.7	27.3	28.5	29.2	29.3
-55	1.81	1.94	2.31	3.56	5.14	7.01	9.20	11.7	14.4	17.3	20.4	23.7	27.3	31.1	35.1	39.0	42.4	45.0	46.2
-50	1.85	2.17	3.54	5.44	7.68	10.3	13.3	16.6	20.2	24.1	28.6	33.7	39.0	44.9	50.9	56.3	60.6	63.0	63.2
-45	1.68	1.79	2.39	4.26	6.57	9.30	12.5	16.2	20.4	25.6	32.1	40.2	50.1	61.5	73.7	85.2	94.7	101	104
-40	1.67	2.17	4.14	6.70	9.77	13.4	17.6	22.5	28.7	37.3	48.3	62.3	79.3	97.6	115	130	140	145	145
-35	1.47	1.57	2.49	4.90	7.88	11.4	15.6	20.6	27.0	36.6	50.2	67.9	89.3	114	139	163	183	198	206
-30	1.40	2.13	4.62	7.77	11.6	16.1	21.5	28.6	40.2	56.9	79.9	107	138	171	202	229	251	266	267
-25	1.21	1.32	2.60	5.40	8.99	13.3	18.4	24.7	34.6	50.9	74.7	104	138	178	220	263	309	350	374
-20	1.14	2.18	4.94	8.67	13.2	18.4	25.1	35.7	54.1	81.8	116	155	201	252	307	370	435	477	481
-15	0.99	1.09	2.65	5.71	9.78	14.6	20.4	28.2	42.1	65.2	98.9	138	183	237	304	394	512	631	701
-10	0.95	2.15	5.08	9.13	14.1	19.9	27.6	41.5	65.4	101	143	191	250	328	441	604	784	908	922
-5	0.85	0.95	2.57	5.81	10.1	15.3	21.5	30.2	46.8	74.6	114	158	209	275	372	528	743	962	1099
0	0.83	2.04	5.05	9.26	14.4	20.4	28.5	43.9	70.5	110	154	205	271	370	540	789	1060	1255	1279
5	0.76	0.86	2.44	5.68	10.0	15.2	21.3	30.0	46.5	74.2	114	157	209	275	373	535	762	993	1138
10	0.76	1.90	4.81	8.86	13.8	19.6	27.1	41.0	64.7	101	142	190	250	327	452	636	842	985	1001
15	0.71	0.81	2.26	5.28	9.34	14.2	19.9	27.5	41.2	64.1	97.5	136	181	235	301	397	529	664	746
20	0.73	1.76	4.37	8.07	12.6	17.8	24.2	34.6	52.5	80.0	113	152	197	245	298	365	437	488	493
25	0.71	0.79	2.05	4.70	8.26	12.5	17.5	23.6	33.2	49.0	72.6	102	135	173	213	254	300	345	372
30	0.75	1.59	3.81	6.91	10.7	15.1	20.3	27.0	38.1	54.8	77.6	104	135	165	192	216	236	249	251
35	0.76	0.82	1.83	4.01	6.94	10.5	14.5	19.3	25.3	34.5	47.7	65.4	86.5	111	135	156	174	188	195
40	0.82	1.47	3.21	5.69	8.74	12.2	16.2	20.7	26.6	34.6	45.5	59.8	76.8	94.9	112	125	134	139	139
45	0.85	0.89	1.62	3.27	5.54	8.25	11.4	14.9	18.8	23.6	29.6	37.6	47.4	59.0	71.4	83.0	92.3	98.7	102
50	0.90	1.31	2.55	4.41	6.63	9.20	12.1	15.2	18.5	22.1	26.2	30.9	36.4	42.9	49.8	56.1	60.9	63.5	63.6
55	0.93	0.95	1.41	2.52	4.11	6.01	8.21	10.6	13.3	15.9	18.7	21.8	25.1	29.1	33.4	37.8	41.6	44.4	45.8
60	0.97	1.18	1.96	3.12	4.59	6.28	8.20	10.2	12.3	14.3	16.1	18.0	20.1	22.1	24.0	25.7	27.0	27.8	27.8
65	1.01	1.03	1.24	1.87	2.78	3.92	5.27	6.76	8.34	9.95	11.5	12.9	14.3	15.8	17.2	18.5	19.6	20.5	20.9
70	1.06	1.13	1.48	2.04	2.77	3.69	4.70	5.81	6.96	8.08	9.10	10.0	10.9	11.7	12.5	13.1	13.6	13.9	13.9
75	1.10	1.10	1.17	1.41	1.79	2.27	2.88	3.53	4.25	5.01	5.73	6.39	7.00	7.59	8.13	8.59	8.98	9.28	9.44
80	1.14	1.16	1.23	1.37	1.56	1.81	2.09	2.40	2.76	3.09	3.43	3.74	4.06	4.33	4.52	4.70	4.84	4.93	4.91
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:02 March 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:220.6V I:2.268A P:497.3W PF:0.9939 Freq:50.00Hz Lamp Flux:71199.8x1 lm		
NAME: ITSP3500304000	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	4.45	4.35	4.22	4.09	3.93	3.75	3.56	3.36	3.17	2.98	2.81	2.65	2.51	2.40	2.30	2.17	2.12	2.10
-75	9.24	9.06	8.76	8.41	7.99	7.51	7.00	6.46	5.87	5.28	4.68	4.12	3.61	3.18	2.82	2.54	2.29	2.22
-70	13.8	13.3	12.8	12.1	11.3	10.5	9.58	8.62	7.64	6.62	5.66	4.76	4.01	3.38	2.88	2.50	2.33	2.22
-65	21.6	21.1	20.3	19.2	18.0	16.5	15.1	13.6	12.1	10.6	9.00	7.52	6.16	4.98	3.97	3.16	2.57	2.37
-60	28.8	27.7	26.2	24.4	22.4	20.3	18.2	16.2	14.2	12.0	9.95	8.07	6.39	4.92	3.74	2.81	2.45	2.30
-55	46.1	44.7	42.0	38.5	34.7	30.8	27.2	23.7	20.4	17.4	14.6	11.9	9.48	7.34	5.48	3.95	2.82	2.44
-50	61.3	57.5	52.3	46.5	40.7	35.5	30.5	25.9	21.9	18.3	14.9	11.8	9.11	6.74	4.72	3.16	2.49	2.30
-45	104	100	93.0	83.2	71.6	59.6	48.7	39.4	31.8	25.5	20.6	16.5	12.9	9.75	7.02	4.76	3.03	2.41
-40	141	132	118	102	83.2	66.1	51.7	40.6	31.5	24.8	19.7	15.3	11.6	8.36	5.61	3.45	2.42	2.20
-35	205	195	179	158	135	109	85.5	65.1	48.4	35.7	26.7	20.7	15.9	11.8	8.33	5.37	3.13	2.25
-30	255	233	207	178	146	114	86.0	62.3	44.4	31.7	23.9	18.3	13.6	9.61	6.21	3.58	2.22	1.97
-25	371	342	298	253	211	170	131	98.2	70.1	48.1	33.2	24.3	18.3	13.5	9.29	5.78	3.15	2.03
-20	444	381	316	260	210	163	123	88.4	59.3	39.6	27.6	20.6	15.2	10.5	6.64	3.62	2.00	1.75
-15	693	610	488	373	288	225	173	129	92.1	60.6	39.6	27.3	20.2	14.7	10.0	6.07	3.14	1.84
-10	819	646	471	346	263	202	152	110	72.9	46.6	30.6	22.3	16.3	11.3	6.96	3.61	1.86	1.61
-5	1084	925	700	489	346	258	196	147	105	68.3	43.6	28.9	21.1	15.3	10.3	6.12	3.02	1.67
0	1111	846	582	393	283	213	161	117	77.0	48.6	31.5	22.5	16.4	11.2	6.82	3.44	1.69	1.47
5	1123	954	715	494	346	257	195	146	104	67.4	43.0	28.4	20.7	14.9	9.99	5.84	2.79	1.50
10	881	682	485	347	261	199	149	108	71.1	45.3	29.7	21.5	15.6	10.6	6.40	3.13	1.51	1.31
15	737	641	502	374	284	221	169	126	89.2	58.3	38.0	26.0	19.1	13.8	9.15	5.29	2.47	1.32
20	449	378	308	252	204	158	118	84.8	56.4	37.5	25.8	19.2	13.9	9.41	5.60	2.71	1.30	1.14
25	368	336	290	244	203	164	126	93.9	66.3	44.9	30.7	22.2	16.6	12.0	7.88	4.50	2.07	1.12
30	240	220	197	170	140	109	81.5	58.1	40.6	28.6	21.3	16.2	11.8	7.89	4.63	2.21	1.06	0.97
35	194	185	170	151	129	104	80.6	60.4	44.0	32.0	23.5	18.1	13.6	9.76	6.40	3.61	1.65	0.94
40	135	126	113	96.8	78.5	61.2	46.7	35.7	27.4	21.2	16.8	12.8	9.24	6.17	3.59	1.70	0.90	0.87
45	101	97.1	89.9	79.7	67.6	55.2	44.1	35.0	27.7	22.0	17.6	13.9	10.5	7.47	4.88	2.75	1.32	0.87
50	61.3	56.7	50.4	43.5	36.8	31.2	26.7	22.3	18.7	15.5	12.4	9.49	6.85	4.56	2.66	1.36	0.87	0.86
55	45.5	43.7	40.5	36.4	31.9	27.6	23.9	20.7	17.6	14.9	12.3	9.77	7.41	5.28	3.45	2.02	1.13	0.89
60	27.1	25.8	24.1	22.1	20.1	18.0	16.0	14.1	12.2	10.2	8.14	6.23	4.52	3.02	1.87	1.14	0.92	0.93
65	20.8	20.2	19.2	18.0	16.6	15.1	13.6	12.1	10.7	9.13	7.55	6.00	4.57	3.32	2.25	1.48	1.06	0.98
70	13.6	13.1	12.4	11.6	10.7	9.77	8.83	7.81	6.69	5.55	4.46	3.46	2.57	1.87	1.35	1.08	1.03	1.04
75	9.40	9.14	8.74	8.28	7.75	7.15	6.51	5.86	5.17	4.43	3.70	3.02	2.40	1.89	1.48	1.21	1.09	1.08
80	4.79	4.60	4.38	4.13	3.84	3.50	3.16	2.81	2.47	2.13	1.84	1.59	1.38	1.24	1.16	1.13	1.13	1.13
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:02 March 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: