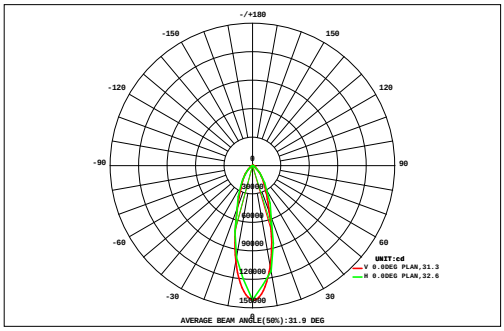
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		1907.2 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	78.6V x 78.8H
	At 50% of Imax	32.6V x 31.2H
	At 90% of Imax	8.3V x 11.5H
Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	814.3 lumens per klm.
	To 50% of Imax	315.7 lumens per klm.
	To 90% of Imax	33.2 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.0V I:2.329A P:498.6W PF:0.9690 Freq:49.90Hz Lamp Flux:74292.9x1 lm		
NAME: ITSP4500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:149.01lm/W	
MODEL		Imax(cd)	141691
NOMINAL POWER(W)	500	AVAILABILITY(%)	81.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	60842
NOMINAL FLUX(lm)	74292.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	74293
TEST VOLTAGE(V)	221.0	q @50%(H,V)	31,33DEG

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	0.38	1.27	2.54	4.34	6.69	9.27	11.7	13.8	15.1	15.4	14.3	12.5	10.1	7.55	5.00	2.88	1.38	0.39	135	0.00
70	0.29	1.33	3.85	8.48	15.2	22.8	30.5	37.5	42.3	42.7	38.6	32.1	24.5	17.0	10.0	4.73	1.63	0.31	334	0.00
60	0.29	1.89	6.55	15.3	27.8	42.9	61.7	83.7	99.5	101	86.4	64.8	45.6	30.2	17.3	7.87	2.42	0.34	695	0.00
50	0.31	2.62	9.65	22.9	43.3	77.1	131	196	238	240	202	138	82.5	47.1	25.4	11.4	3.41	0.41	1472	0.00
40	0.33	3.42	13.0	31.3	69.0	152	287	428	517	524	441	301	162	76.6	34.9	15.3	4.53	0.51	3061	1409
30	0.36	4.21	16.3	41.4	114	270	516	775	1005	1027	807	535	282	123	46.4	19.0	5.68	0.63	5589	4708
-30	0.40	4.91	19.0	51.8	160	378	731	1246	1910	1997	1355	759	387	170	58.1	22.1	6.66	0.76	9256	8519
-40	0.44	5.42	20.9	60.1	194	452	904	1867	3257	3415	2058	942	457	202	66.8	24.2	7.33	0.85	13935	13282
-50	0.48	5.68	21.6	63.0	203	466	954	2094	3693	3799	2212	962	463	206	68.2	24.8	7.55	0.90	15247	14601
-60	0.52	5.59	20.8	58.2	179	413	814	1539	2476	2488	1530	800	410	180	62.0	23.8	7.31	0.92	11009	10297
-70	0.56	5.26	19.0	49.4	138	316	596	911	1186	1154	860	580	310	137	51.9	21.9	6.86	0.92	6344	5495
-80	0.59	4.75	16.4	39.3	92.3	202	371	535	625	612	519	363	196	92.0	42.1	19.0	6.14	0.91	3737	2530
-90	0.62	4.12	13.2	30.2	57.2	104	176	253	294	291	247	170	100	58.0	32.8	15.4	5.18	0.86	1853	0.00
	0.62	3.38	10.0	21.8	38.6	58.1	82.2	110	129	128	107	79.6	58.0	40.1	23.9	11.4	4.07	0.79	907	0.00
	0.60	2.67	6.90	14.0	23.5	33.9	43.2	49.9	53.7	53.6	49.7	43.2	34.4	24.6	15.1	7.65	3.03	0.70	460	0.00
	0.56	2.05	4.29	7.48	11.6	15.9	19.9	23.0	25.0	25.1	23.1	20.0	16.2	12.0	7.89	4.55	2.19	0.61	221	0.00
	0.27	0.87	1.46	2.01	2.48	2.87	3.16	3.30	3.32	3.25	3.14	2.99	2.70	2.31	1.88	1.38	0.83	0.27	38.5	0.00
F t	7.63	59.4	205	521	1374	3017	5732	10167	15571	15917	10554	5806	3041	1426	570	237	76.2	11.1	74293	---
F a	0.00	0.00	0.00	0.00	48.1	1556	4727	9133	14513	14861	9597	4775	1607	23.9	0.00	0.00	0.00	0.00	---	60842

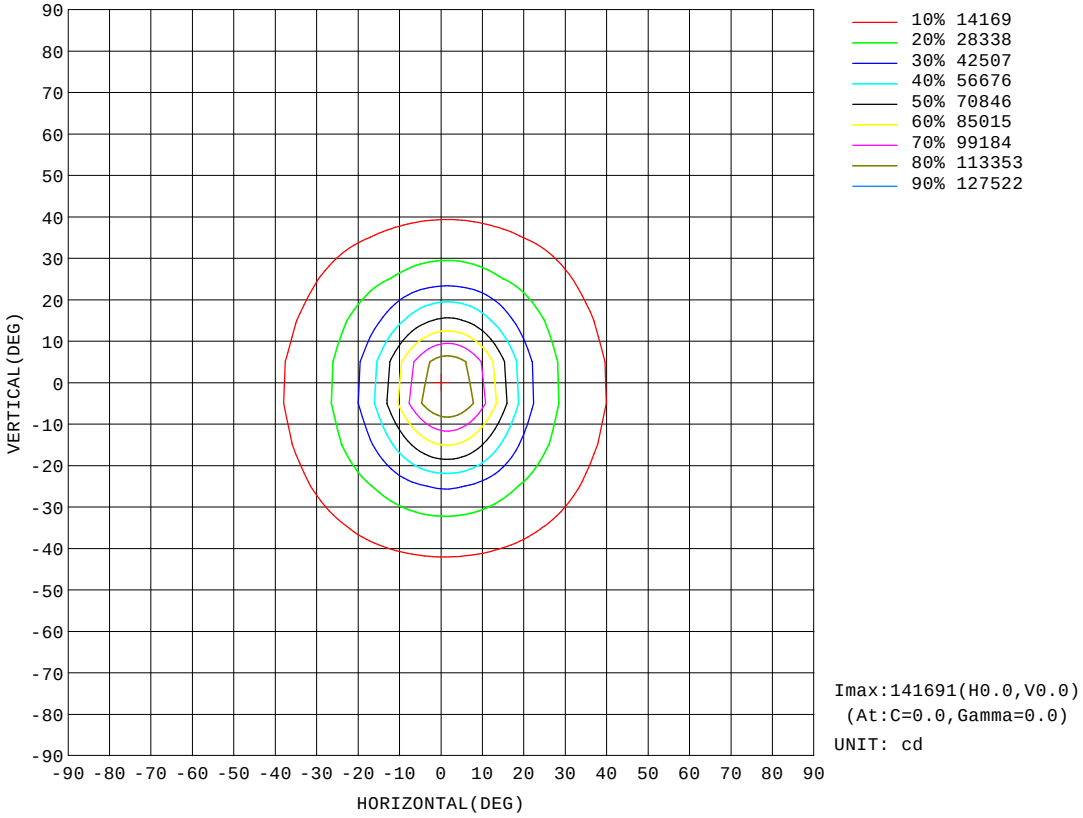
one-half-peak spread: U:17.5,D:15.4 , L:16.3,R:15.2 **NEMA Beam Type: Type 5**

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date: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:221.0V I:2.329A P:498.6W PF:0.9690 Freq:49.90Hz Lamp Flux:74292.9x1 lm		
NAME: ITSP4500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

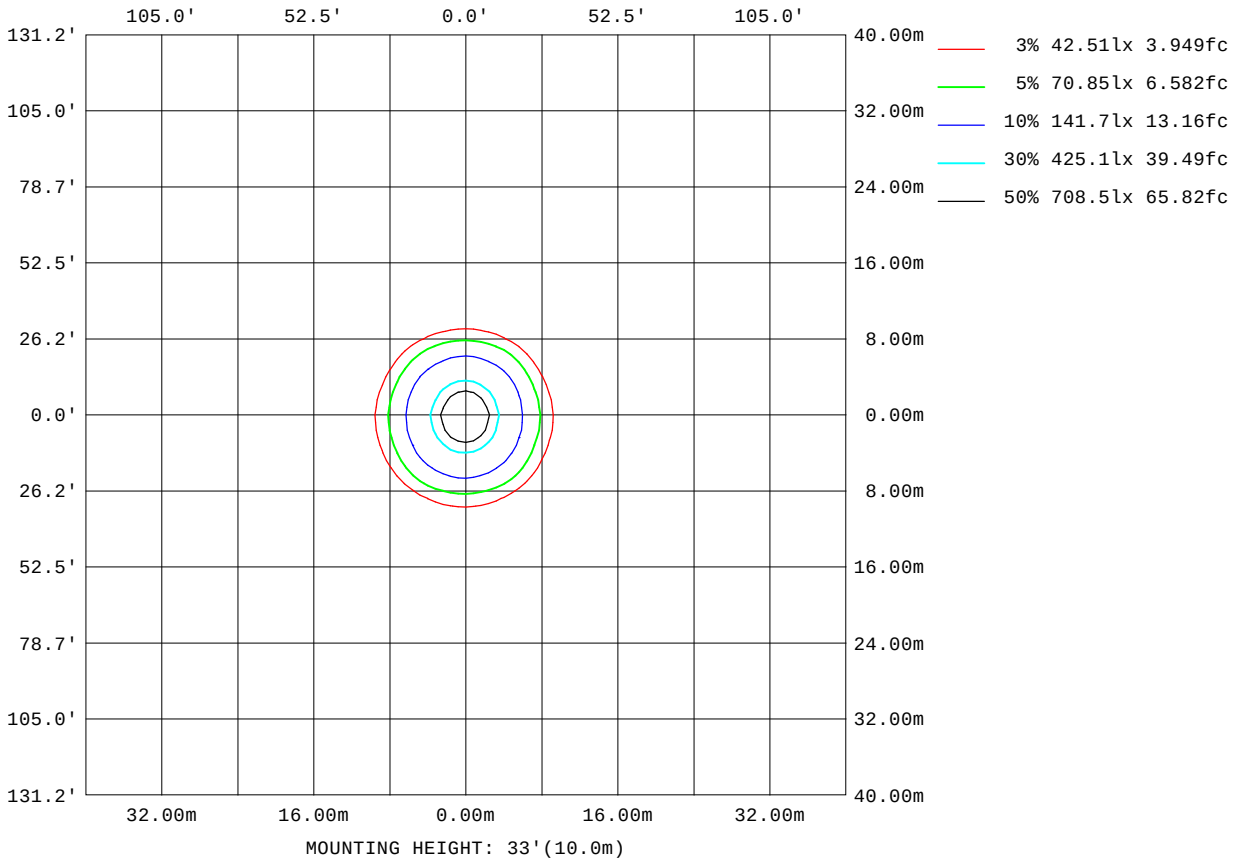


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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

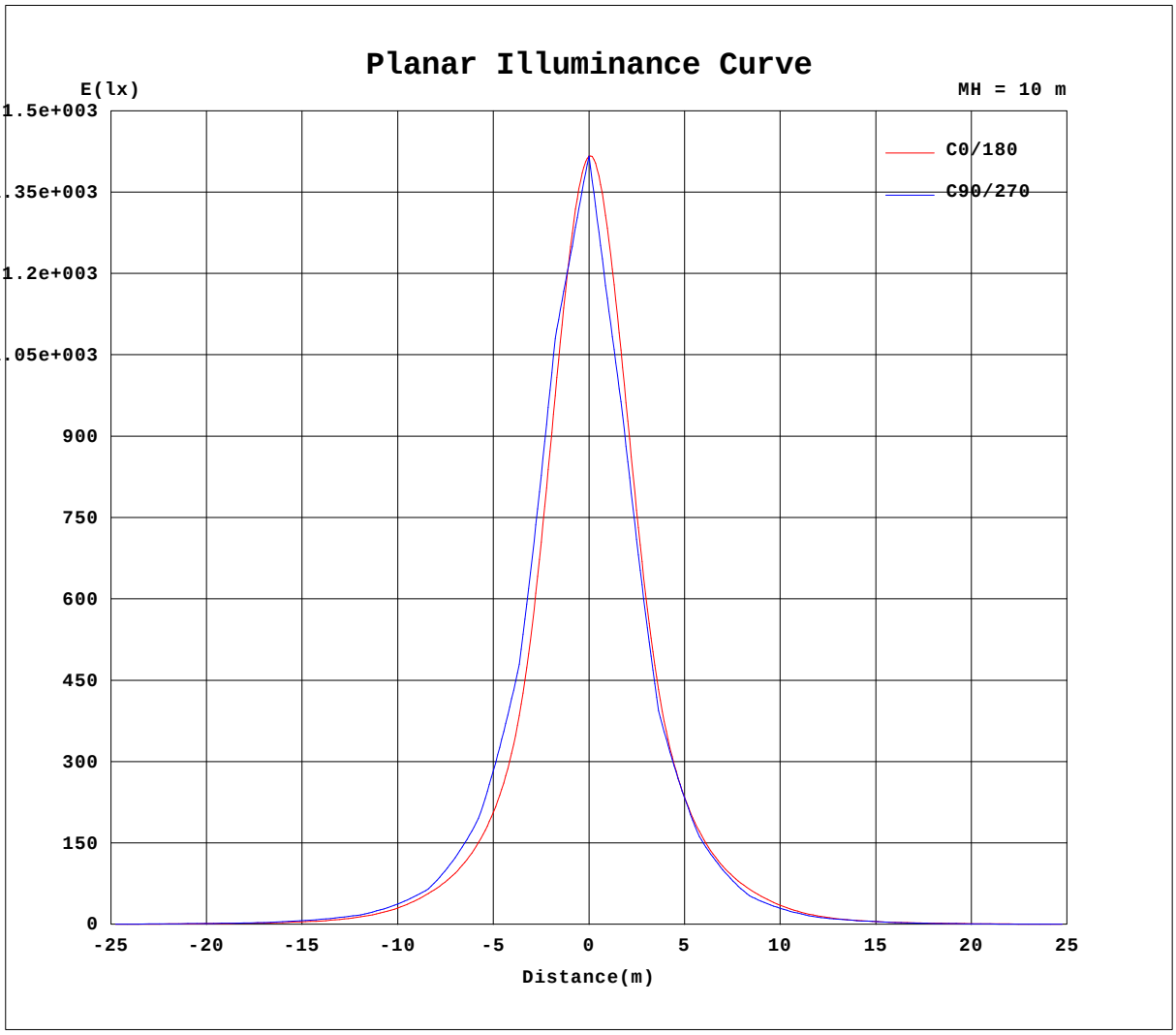
Test:U:221.0V I:2.329A P:498.6W PF:0.9690 Freq:49.90Hz Lamp Flux:74292.9x1 lm		
NAME: ITSP4500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



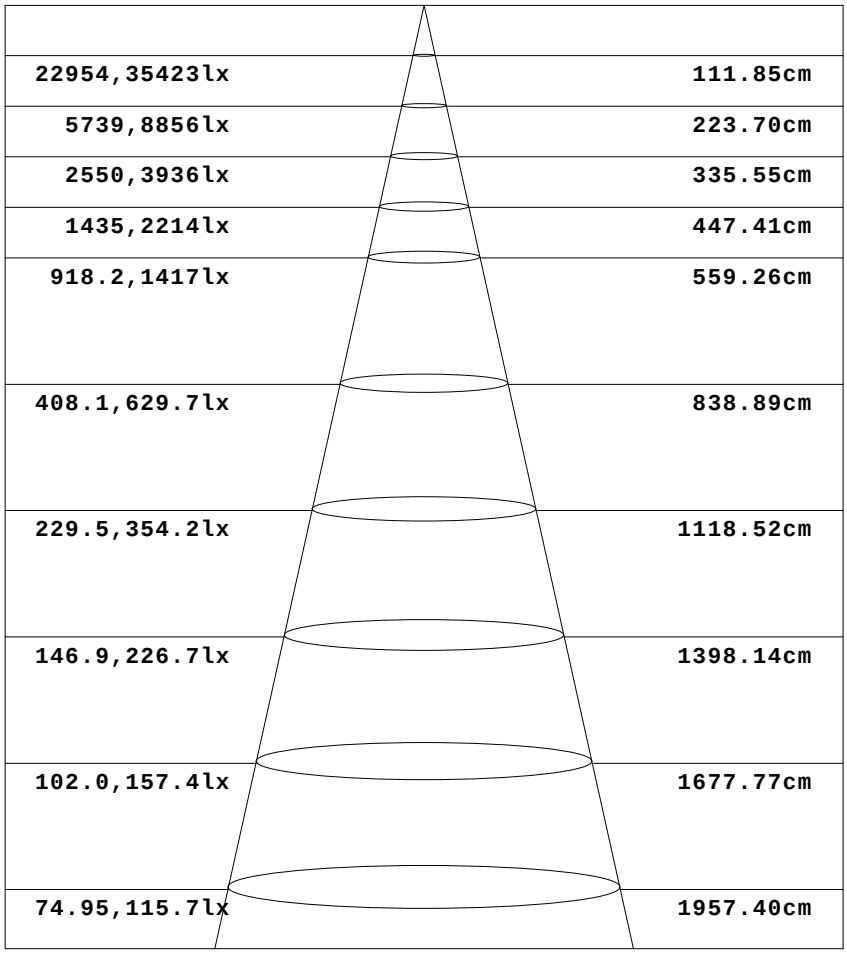
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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:221.0V I:2.329A P:498.6W PF:0.9690 Freq:49.90Hz Lamp Flux:74292.9x1 lm		
NAME: ITSP4500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:23717 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:221.0V I:2.329A P:498.6W PF:0.9690 Freq:49.90Hz Lamp Flux:74292.9x1 lm		
NAME: ITSP4500304000	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	1.76	1.98	2.16	2.30	2.44	2.59	2.76	2.94	3.15	3.34	3.53	3.71	3.88	4.03	4.16	4.27	4.35	4.43	4.46
-75	1.76	1.92	2.21	2.48	2.82	3.23	3.70	4.22	4.81	5.41	5.98	6.52	7.03	7.51	7.93	8.30	8.64	8.89	9.04
-70	1.83	2.13	2.48	2.92	3.52	4.24	5.05	5.95	6.95	7.94	8.88	9.73	10.6	11.3	12.0	12.6	13.1	13.5	13.7
-65	1.78	1.97	2.43	3.05	3.91	4.97	6.20	7.56	9.08	10.6	12.2	13.6	15.0	16.4	17.7	18.9	19.9	20.6	21.0
-60	1.81	2.18	2.81	3.82	5.12	6.63	8.41	10.4	12.5	14.5	16.6	18.6	20.5	22.5	24.4	26.0	27.3	28.1	28.4
-55	1.74	1.94	2.61	3.72	5.26	7.11	9.28	11.7	14.4	17.3	20.3	23.6	27.3	31.4	36.2	40.7	44.4	47.1	48.3
-50	1.75	2.17	3.16	4.76	6.81	9.25	12.0	15.2	18.7	22.5	26.6	31.4	37.2	44.1	51.7	58.5	64.0	67.5	68.3
-45	1.65	1.82	2.74	4.40	6.66	9.33	12.5	16.1	20.3	25.3	32.2	40.9	51.3	63.8	77.7	89.5	98.8	105	108
-40	1.59	2.08	3.48	5.74	8.56	11.8	15.7	20.2	25.6	33.2	44.5	58.2	74.7	94.7	114	129	139	146	147
-35	1.45	1.59	2.78	4.99	7.97	11.5	15.6	20.5	27.1	38.0	53.8	73.5	97.1	126	155	179	200	216	224
-30	1.32	1.86	3.63	6.46	10.0	14.2	19.2	25.5	36.0	54.3	79.6	107	141	181	217	247	276	296	301
-25	1.19	1.32	2.76	5.45	9.03	13.2	18.3	24.7	35.7	55.6	82.6	115	154	202	251	301	359	412	439
-20	1.08	1.66	3.77	7.10	11.2	16.1	22.0	30.9	49.3	77.3	112	152	204	263	323	399	487	557	578
-15	0.99	1.10	2.70	5.72	9.76	14.5	20.1	28.1	44.4	72.1	108	150	202	269	348	463	619	769	850
-10	0.92	1.50	3.76	7.36	11.9	17.1	23.7	35.4	59.1	94.6	137	186	251	334	454	645	879	1067	1131
-5	0.84	0.94	2.61	5.77	10.0	15.0	21.0	29.9	49.4	81.5	124	170	228	308	423	613	871	1119	1265
0	0.79	1.36	3.66	7.36	12.0	17.4	24.1	36.8	62.2	101	146	196	265	363	522	777	1076	1323	1417
5	0.74	0.83	2.43	5.54	9.69	14.5	20.5	29.1	47.9	79.3	121	166	224	302	411	586	825	1055	1191
10	0.71	1.23	3.36	6.82	11.2	16.2	22.5	33.2	55.5	89.4	130	177	240	317	419	577	770	928	984
15	0.69	0.76	2.21	5.03	8.83	13.3	18.7	25.9	40.6	66.4	101	140	190	252	322	415	539	658	725
20	0.68	1.14	3.02	6.09	9.88	14.4	19.8	27.7	43.8	69.3	101	139	187	240	290	346	410	459	475
25	0.70	0.75	1.96	4.37	7.60	11.5	16.1	21.7	31.0	48.3	72.6	102	138	181	222	261	303	341	362
30	0.72	1.07	2.56	5.06	8.25	12.0	16.4	21.7	30.0	45.4	66.3	91.4	122	156	185	209	230	245	250
35	0.76	0.79	1.70	3.59	6.16	9.24	12.8	16.9	22.2	30.8	43.8	60.7	80.7	105	130	149	166	178	184
40	0.80	1.05	2.14	4.03	6.42	9.19	12.4	16.1	20.2	25.6	34.2	45.1	58.3	74.8	90.9	104	112	117	119
45	0.84	0.86	1.48	2.80	4.68	6.90	9.49	12.5	15.8	19.5	24.5	31.1	39.1	49.0	60.4	70.2	77.9	83.0	85.3
50	0.88	1.02	1.72	2.98	4.63	6.61	8.92	11.4	14.1	16.9	19.8	23.1	27.2	32.2	38.2	43.6	48.2	51.3	52.0
55	0.93	0.94	1.30	2.10	3.30	4.77	6.47	8.44	10.5	12.7	14.9	17.2	19.7	22.7	26.4	29.9	33.0	35.2	36.3
60	0.97	1.05	1.41	2.11	3.07	4.23	5.60	7.10	8.70	10.2	11.7	13.2	14.6	16.1	17.5	18.8	19.7	20.4	20.6
65	1.02	1.03	1.20	1.58	2.17	2.94	3.83	4.85	5.97	7.12	8.23	9.28	10.3	11.3	12.3	13.2	14.0	14.5	14.8
70	1.08	1.11	1.24	1.49	1.85	2.31	2.86	3.48	4.19	4.89	5.58	6.22	6.84	7.38	7.84	8.26	8.63	8.91	9.02
75	1.12	1.12	1.18	1.30	1.48	1.72	2.00	2.33	2.69	3.08	3.47	3.82	4.16	4.48	4.75	4.98	5.21	5.37	5.48
80	1.17	1.17	1.19	1.24	1.28	1.34	1.39	1.45	1.52	1.58	1.64	1.70	1.75	1.81	1.85	1.89	1.92	1.95	1.96
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: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:221.0V I:2.329A P:498.6W PF:0.9690 Freq:49.90Hz Lamp Flux:74292.9x1 lm		
NAME: ITSP4500304000	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	4.44	4.37	4.29	4.20	4.07	3.93	3.77	3.60	3.44	3.25	3.05	2.87	2.68	2.52	2.36	2.24	2.07	1.85
-75	9.03	8.87	8.60	8.26	7.88	7.46	6.99	6.50	6.00	5.45	4.87	4.29	3.77	3.30	2.89	2.56	2.31	2.02
-70	13.5	13.2	12.6	12.0	11.4	10.6	9.81	9.01	8.14	7.21	6.20	5.29	4.46	3.74	3.13	2.67	2.32	2.01
-65	20.9	20.4	19.6	18.5	17.3	16.0	14.7	13.3	12.0	10.6	9.07	7.60	6.21	5.01	3.99	3.16	2.58	2.16
-60	28.0	27.1	25.7	24.1	22.3	20.3	18.4	16.6	14.7	12.7	10.7	8.81	6.95	5.43	4.13	3.13	2.47	2.11
-55	47.9	45.8	42.4	38.3	33.8	29.4	25.8	22.6	19.7	16.9	14.2	11.6	9.21	7.13	5.34	3.86	2.84	2.25
-50	66.5	62.1	56.0	49.0	41.6	35.4	30.5	26.2	22.4	18.9	15.6	12.5	9.76	7.34	5.27	3.65	2.61	2.18
-45	106	102	93.4	82.6	69.9	56.4	45.4	36.7	29.5	24.0	19.6	15.8	12.4	9.39	6.75	4.58	3.05	2.27
-40	143	135	123	107	87.2	68.0	53.0	41.0	31.7	25.3	20.5	16.2	12.5	9.29	6.38	4.09	2.61	2.14
-35	221	207	188	165	139	109	82.9	62.4	45.6	33.1	25.1	19.7	15.3	11.4	8.00	5.16	3.12	2.16
-30	289	264	235	203	167	128	95.3	69.5	48.5	33.4	25.1	19.5	14.8	10.7	7.22	4.37	2.50	1.98
-25	429	384	324	270	222	174	129	95.3	67.2	45.2	30.6	22.9	17.5	12.9	8.97	5.55	3.08	1.98
-20	540	457	367	297	239	182	134	97.7	66.9	43.3	28.9	21.7	16.4	11.8	7.75	4.48	2.37	1.82
-15	829	710	543	397	300	228	169	124	87.5	57.0	36.1	25.2	19.1	14.0	9.57	5.77	3.01	1.81
-10	1042	833	591	409	300	224	164	121	82.0	51.6	32.4	23.3	17.4	12.4	8.08	4.53	2.26	1.69
-5	1229	1033	759	511	353	258	190	141	99.8	63.9	39.4	26.4	19.8	14.4	9.81	5.80	2.90	1.65
0	1289	1021	712	465	320	233	172	128	86.7	53.9	33.3	23.6	17.6	12.6	8.12	4.42	2.10	1.53
5	1159	978	726	495	346	253	187	139	97.7	62.3	38.4	25.8	19.3	14.1	9.52	5.57	2.70	1.49
10	913	740	540	386	288	215	158	116	78.3	49.0	30.7	22.2	16.6	11.8	7.56	4.09	1.89	1.36
15	711	618	486	367	283	216	159	117	82.1	52.9	33.3	23.4	17.7	12.8	8.64	5.02	2.40	1.29
20	450	393	328	273	221	168	123	89.6	60.7	38.8	26.0	19.6	14.7	10.4	6.61	3.54	1.57	1.15
25	356	325	283	241	201	157	116	85.4	59.6	39.5	26.6	20.0	15.2	11.0	7.36	4.24	1.99	1.07
30	242	225	204	178	146	111	82.5	59.5	40.9	27.9	21.1	16.4	12.2	8.60	5.43	2.88	1.23	0.95
35	182	173	159	141	118	91.7	69.3	51.8	37.4	26.9	20.4	16.0	12.2	8.83	5.87	3.37	1.60	0.90
40	117	111	100	86.1	69.0	53.4	41.3	31.7	24.5	19.8	16.0	12.6	9.46	6.66	4.20	2.23	1.00	0.84
45	84.6	81.0	74.5	65.4	54.3	43.4	34.9	28.0	22.4	18.3	14.9	11.9	9.17	6.62	4.41	2.57	1.31	0.84
50	50.5	46.9	41.9	36.3	30.4	26.2	22.6	19.5	16.8	14.0	11.4	9.03	6.80	4.78	3.06	1.72	0.92	0.84
55	35.9	34.2	31.5	28.2	24.5	21.4	18.9	16.5	14.4	12.3	10.2	8.21	6.30	4.61	3.13	1.93	1.15	0.88
60	20.3	19.6	18.6	17.3	16.0	14.6	13.3	11.9	10.5	8.96	7.35	5.84	4.41	3.19	2.16	1.39	0.96	0.92
65	14.7	14.3	13.7	13.0	12.1	11.2	10.2	9.25	8.25	7.17	6.00	4.89	3.83	2.91	2.11	1.49	1.11	0.98
70	8.90	8.66	8.31	7.95	7.51	7.00	6.42	5.84	5.18	4.48	3.74	3.08	2.47	1.95	1.52	1.23	1.06	1.04
75	5.47	5.36	5.20	5.01	4.80	4.54	4.23	3.91	3.57	3.19	2.78	2.40	2.05	1.73	1.47	1.27	1.14	1.10
80	1.96	1.96	1.94	1.91	1.88	1.84	1.78	1.72	1.66	1.59	1.51	1.43	1.36	1.30	1.23	1.19	1.16	1.15
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: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: