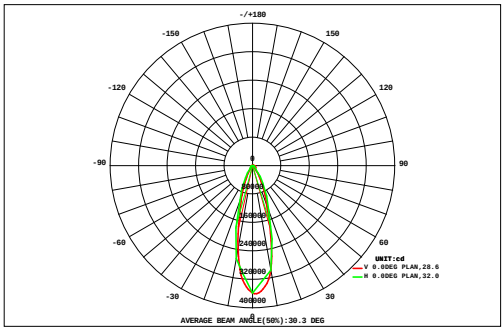
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		2407.0 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	66.4V x 59.6H
	At 50% of Imax	32.0V x 28.6H
	At 90% of Imax	9.3V x 12.8H
Beam Flux	Total	998.4 lumens per klm.
	To 10% of Imax	766.1 lumens per klm.
	To 50% of Imax	372.8 lumens per klm.
	To 90% of Imax	55.9 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.8 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.6V I:4.354A P:1004W PF:0.9796 Freq:49.98Hz Lamp Flux:149591x1 lm		
NAME: ITSP21000304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:148.99lm/W	
MODEL		Imax(cd)	360071
NOMINAL POWER(W)	1000	AVAILABILITY(%)	77.2
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	115543
NOMINAL FLUX(lm)	149591	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	149591
TEST VOLTAGE(V)	220	q @50%(H,V)	29,32DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-45	-40	-35	-30	-25	-20	-15	-10	10	15	20	25	30	35	40	45	F t	F a
45	29.6	34.2	38.9	43.7	49.0	55.3	62.9	71.5	78.7	82.0	80.0	73.5	64.8	56.5	49.6	44.1	39.1	33.7	987	0.00
40	35.6	40.8	45.6	51.5	59.2	69.3	81.8	93.1	98.7	96.3	86.8	73.9	62.1	53.4	47.5	42.7	37.6	32.1	1108	0.00
35	33.2	38.5	44.5	53.8	72.4	105	150	197	234	250	239	203	155	111	76.9	55.0	43.8	37.6	2100	126
30	39.0	45.4	57.5	83.9	134	205	278	336	359	342	286	214	146	95.2	62.2	46.7	40.1	35.5	2805	1432
25	37.3	43.9	56.3	87.5	154	258	389	521	624	669	645	556	426	288	172	96.4	57.2	41.5	5123	4205
20	44.9	62.1	110	214	371	558	737	867	917	871	742	565	376	215	114	63.1	44.1	37.9	6910	6126
15	40.9	50.2	74.2	140	272	470	739	1134	1549	1726	1590	1214	841	564	339	177	87.1	49.6	11057	10361
-15	54.9	95.4	202	393	654	990	1506	2126	2378	2148	1546	970	627	374	186	87.9	50.1	39.8	14428	13798
-20	42.3	52.3	82.2	175	349	604	999	1668	2293	2615	2541	2004	1255	772	469	246	115	57.6	16339	15731
-25	63.1	119	257	483	796	1320	2248	2860	2983	2739	2138	1253	697	410	204	91.3	48.7	39.3	18750	18182
-30	40.1	45.8	66.8	151	310	503	767	1453	2126	2451	2385	1950	1250	769	469	249	117	57.8	15160	14548
-35	57.5	102	214	404	658	1005	1549	2091	2251	1986	1370	769	512	318	153	67.3	40.4	37.4	13585	12981
-40	38.2	40.7	47.5	91.1	197	347	505	777	1150	1393	1430	1203	829	550	341	184	90.8	51.0	9265	8541
-45	48.1	71.7	127	235	388	568	743	807	755	644	509	384	265	148	68.8	37.3	35.4	36.4	5870	5021
	36.8	39.9	42.9	53.7	92.6	166	270	404	526	600	601	531	414	289	184	108	63.6	44.6	4469	3518
	42.2	52.9	72.3	104	151	211	272	312	314	271	201	130	81.2	50.2	35.4	36.9	38.7	36.2	2412	928
	34.7	39.8	44.4	50.3	61.0	80.3	111	151	193	222	227	205	167	128	92.2	65.4	49.9	40.4	1962	44.2
	38.8	46.0	54.3	64.3	74.1	81.3	83.8	80.0	70.1	58.5	49.5	43.0	40.7	42.4	43.5	42.4	38.6	33.3	985	0.00
HORIZONTAL(DEG)																				
F t	757	1021	1637	2879	4842	7597	11493	15949	18900	19165	16664	12340	8210	5234	3108	1740	1037	742	133314	---
F a	0.00	0.00	349	1489	3706	6493	10672	15280	18163	18456	15798	11354	7410	4270	1730	374	0.00	0.00	---	115543

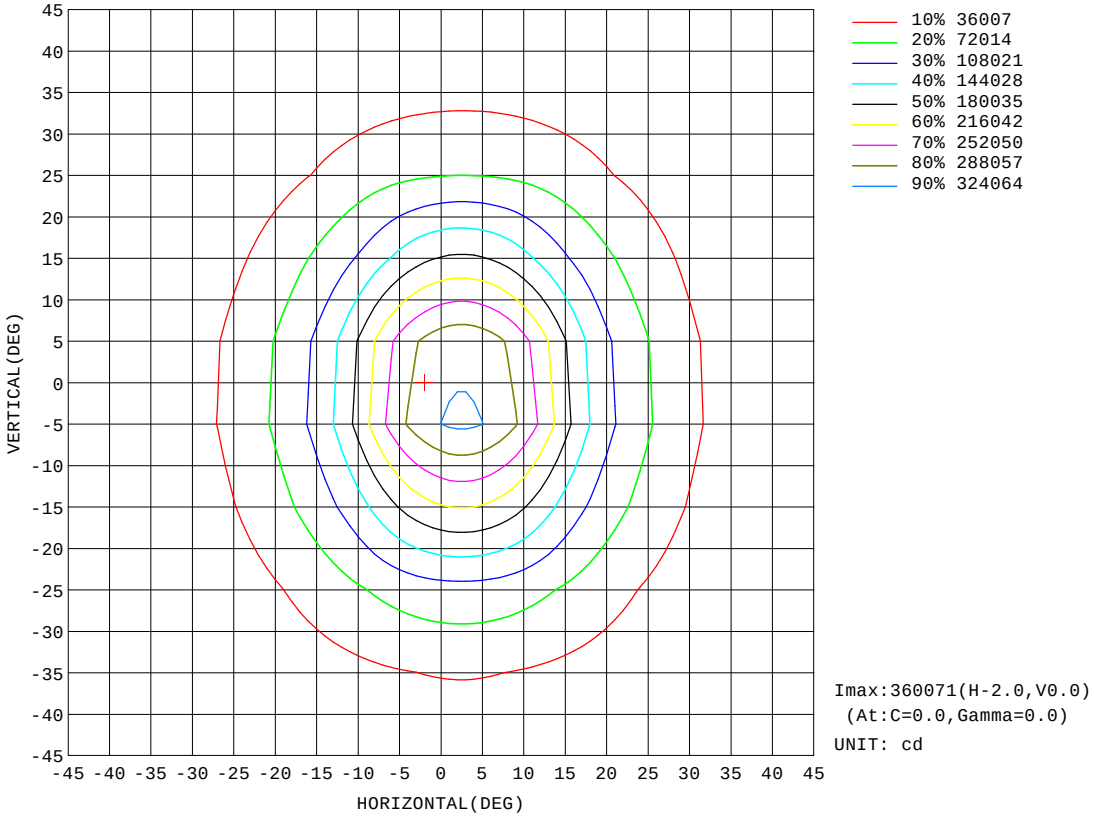
one-half-peak spread: U:17.0,D:15.2 , L:13.9,R:14.9 **NEMA Beam Type: Type 4**

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 September 2019

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:11.750m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.6V I:4.354A P:1004W PF:0.9796 Freq:49.98Hz Lamp Flux:149591x1 lm		
NAME: ITSP21000304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

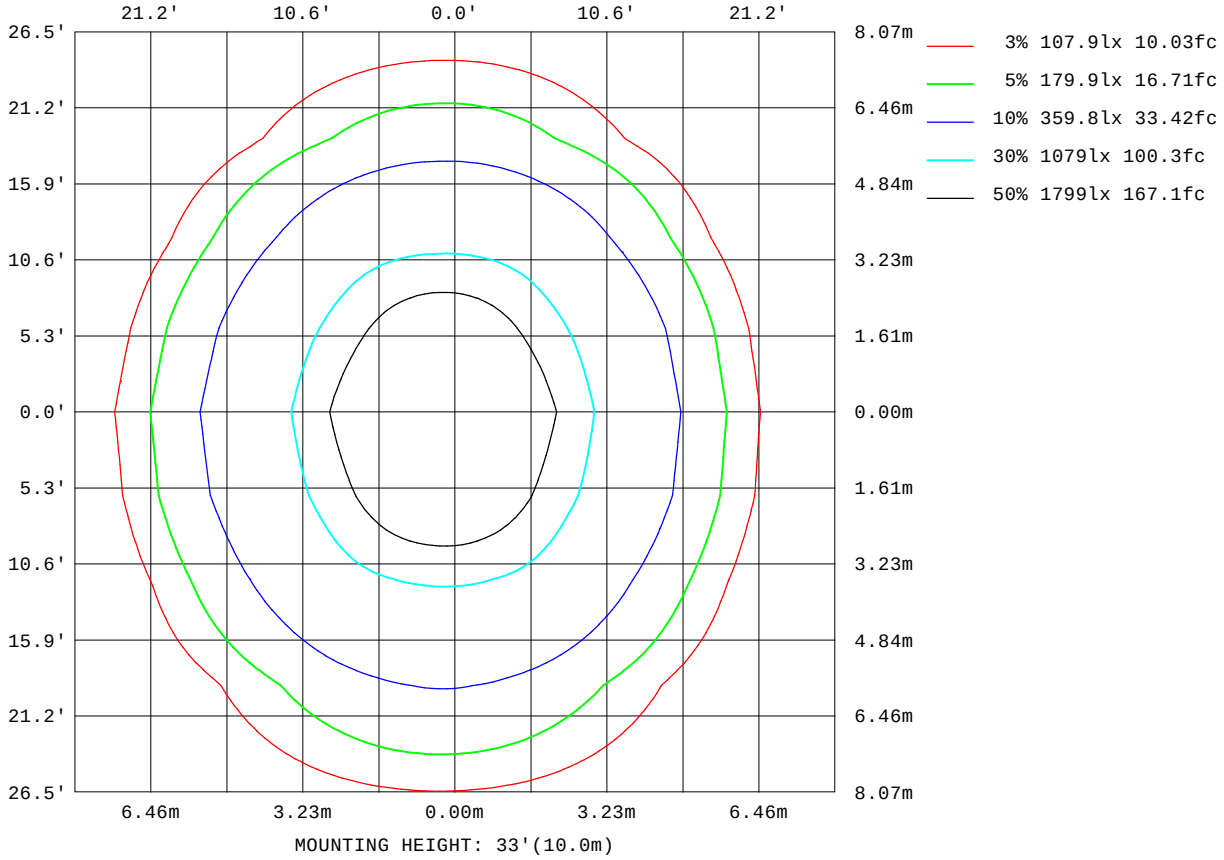


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 September 2019

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:11.750m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

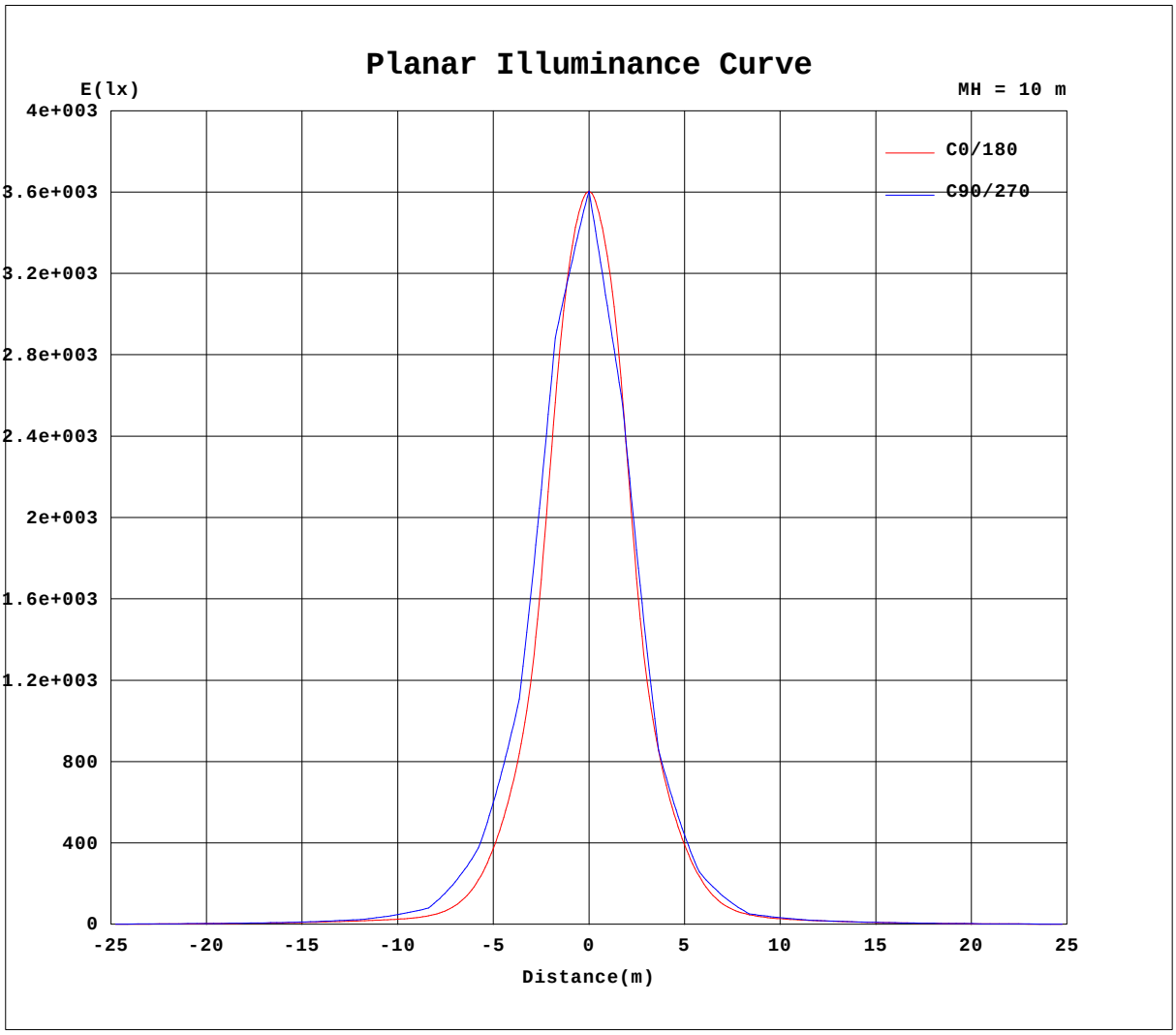
Test:U:230.6V I:4.354A P:1004W PF:0.9796 Freq:49.98Hz Lamp Flux:149591x1 lm		
NAME: ITSP21000304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 September 2019

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:11.750m [K=1.0000]
Remarks:

Planar Illuminance Curve



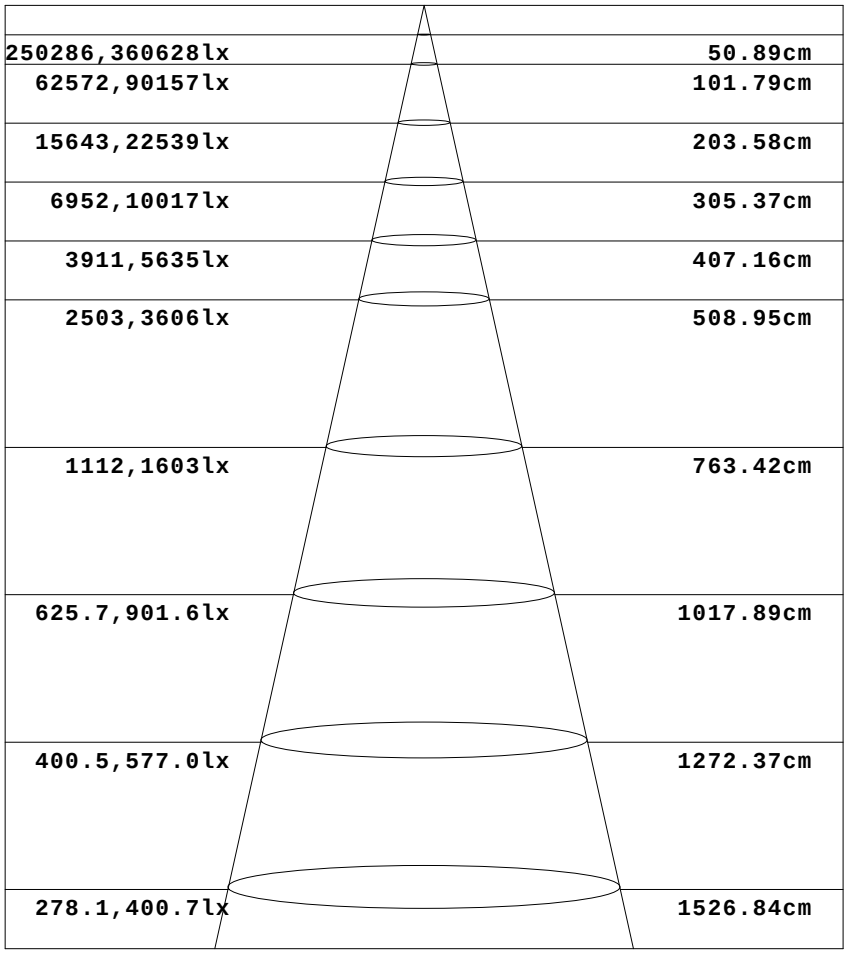
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 September 2019

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:11.750m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.6V I:4.354A P:1004W PF:0.9796 Freq:49.98Hz Lamp Flux:149591x1 lm		
NAME: ITSP21000304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:52590 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:11.750m [K=1.0000]
Test Date:18 September 2019	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.6V I:4.354A P:1004W PF:0.9796 Freq:49.98Hz Lamp Flux:149591x1 lm		
NAME: ITSP21000304000	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	6.94	7.05	8.83	11.1	12.9	14.6	16.4	18.2	20.0	21.7	23.4	24.9	26.1	27.0	27.7	28.4	29.1	29.8	29.9
-75	6.56	7.25	8.09	10.9	14.2	17.1	20.1	23.2	25.6	28.1	30.6	32.7	34.3	35.6	36.6	37.5	38.3	39.2	39.6
-70	7.41	8.34	11.7	16.1	20.2	24.3	28.8	32.1	35.3	38.5	41.2	43.2	44.6	46.0	47.0	48.0	49.0	49.4	49.2
-65	6.70	7.60	9.63	14.3	19.9	25.3	29.6	34.4	38.1	41.6	44.5	47.2	49.2	51.0	52.4	53.8	55.4	56.8	57.3
-60	7.46	9.48	14.7	21.6	28.4	33.2	38.3	42.8	46.5	49.4	52.1	54.6	56.6	58.3	60.1	62.3	64.1	65.1	65.2
-55	6.40	7.44	10.9	17.8	25.5	32.1	37.5	42.7	47.0	50.5	53.8	57.5	61.4	65.1	68.9	72.7	76.2	79.0	80.4
-50	6.94	10.2	17.7	26.5	33.5	39.8	45.1	49.5	53.2	56.8	61.3	66.7	72.2	77.9	83.7	88.9	92.9	95.4	95.7
-45	5.52	6.73	11.9	21.0	29.8	36.6	42.8	47.7	52.2	57.0	61.9	67.5	74.3	83.0	94.2	107	120	132	138
-40	5.81	10.7	20.5	29.9	37.2	43.5	48.6	53.1	58.8	65.0	71.3	79.0	89.9	106	125	147	167	180	181
-35	4.24	5.77	12.8	23.3	32.3	39.9	45.8	50.8	56.5	62.7	68.9	76.7	90.4	116	157	213	279	339	376
-30	4.61	11.2	22.0	31.7	39.8	45.8	51.0	57.4	64.1	70.3	78.2	95.0	129	188	277	384	490	564	576
-25	2.98	5.06	13.9	25.1	34.4	42.2	48.3	54.1	61.4	68.1	75.0	89.4	126	203	329	493	679	847	945
-20	3.88	12.4	23.5	33.6	42.0	48.5	54.6	62.5	69.4	76.4	92.4	137	237	412	638	899	1145	1302	1329
-15	2.26	4.88	14.4	26.3	36.1	43.9	50.6	57.6	65.8	73.0	82.9	111	189	349	587	893	1306	1818	2134
-10	3.72	12.4	24.2	34.7	43.2	50.2	57.3	66.0	73.7	83.8	114	198	383	657	1014	1524	2297	2887	2993
-5	2.08	5.17	14.3	26.8	36.8	44.8	51.8	59.6	68.3	76.1	89.5	131	243	463	772	1197	1920	2784	3243
0	3.85	12.2	24.3	34.9	43.5	50.9	58.3	67.2	75.3	87.3	124	226	439	749	1181	1968	2973	3482	3579
5	1.62	5.34	13.9	26.3	36.3	44.5	51.6	59.0	67.6	75.2	87.5	126	231	440	739	1146	1822	2629	3076
10	4.10	11.6	23.1	33.7	42.5	49.8	56.4	64.6	71.9	80.6	105	177	343	595	923	1352	2005	2555	2649
15	1.48	5.18	13.1	24.7	34.6	42.8	49.7	55.9	63.6	70.2	78.1	99.3	162	298	508	776	1110	1533	1817
20	4.04	11.0	21.4	31.5	40.3	47.2	52.6	59.7	65.9	71.5	81.1	111	186	327	514	717	896	1009	1031
25	2.08	4.99	12.2	22.5	31.8	40.1	46.5	51.5	57.8	63.7	68.8	76.9	99.5	154	251	381	520	638	707
30	4.01	10.1	19.0	28.5	37.1	43.4	48.3	53.3	59.3	64.1	68.2	75.5	92.4	129	192	268	340	387	397
35	2.55	4.83	11.1	19.7	28.5	36.4	42.4	47.1	51.6	56.8	61.6	65.9	72.0	84.2	108	146	190	230	255
40	4.06	9.26	16.6	25.4	32.8	39.1	44.2	47.9	52.2	57.4	61.7	65.5	69.5	75.3	83.2	94.1	106	116	119
45	2.80	4.65	9.81	16.6	24.8	31.5	37.6	42.4	46.3	50.2	54.1	58.1	62.3	66.4	71.3	77.2	84.3	91.5	96.2
50	4.02	8.10	13.7	21.0	27.6	33.8	38.8	43.2	46.5	49.2	52.9	57.4	61.6	65.2	68.7	71.6	73.9	75.3	75.6
55	2.92	4.35	8.36	13.4	19.9	26.0	31.3	36.1	40.2	43.5	46.3	49.6	53.0	56.0	58.7	61.3	63.8	65.7	66.7
60	3.83	6.76	10.8	15.9	22.1	26.8	31.5	35.8	39.3	42.3	44.9	47.4	49.4	51.0	52.9	55.0	56.8	57.7	57.9
65	3.02	4.03	6.70	10.2	14.3	19.3	23.3	27.9	31.4	34.7	37.6	40.1	42.2	44.0	45.5	47.0	48.5	49.8	50.6
70	3.71	5.21	8.13	11.0	14.6	18.2	22.5	25.7	28.8	31.8	34.4	36.3	37.9	39.3	40.5	41.3	42.3	43.2	43.6
75	3.19	3.78	4.93	7.19	9.47	12.1	14.7	17.7	20.1	22.5	24.8	26.8	28.4	29.7	30.8	31.7	32.3	33.1	34.0
80	3.63	3.90	5.34	7.01	8.49	10.0	11.6	13.5	15.2	17.0	18.5	19.8	21.0	21.9	22.5	23.1	23.6	24.5	24.8
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:18 September 2019

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:11.750m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.6V I:4.354A P:1004W PF:0.9796 Freq:49.98Hz Lamp Flux:149591x1 lm		
NAME: ITSP21000304000	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	29.3	28.5	27.9	27.1	26.2	25.1	23.5	22.0	20.3	18.5	16.8	14.9	13.3	11.8	9.75	7.77	7.10	6.87
-75	39.5	38.8	37.9	37.0	36.0	34.9	33.4	31.7	29.8	27.5	24.9	22.4	19.5	16.7	14.0	11.0	8.21	7.34
-70	48.7	47.6	46.4	45.3	44.1	42.5	40.7	38.4	35.6	32.3	29.2	25.2	21.2	17.4	13.5	9.58	7.71	7.00
-65	57.1	56.3	54.9	53.1	51.4	49.8	47.9	45.9	43.5	40.7	37.3	33.5	28.9	24.6	19.5	14.4	9.64	7.62
-60	64.4	62.8	60.5	58.2	56.1	54.1	51.9	49.6	47.1	43.6	39.5	34.5	29.9	23.6	17.5	11.3	7.90	6.76
-55	80.3	78.6	75.7	71.9	67.8	63.9	60.0	56.2	52.8	49.8	46.4	42.0	37.1	31.6	25.2	18.0	11.0	7.48
-50	93.7	89.9	84.9	79.1	73.1	67.4	62.0	57.2	53.7	50.6	46.4	41.7	35.7	29.4	21.5	13.1	7.75	6.15
-45	138	130	118	104	91.5	81.1	72.7	66.1	60.7	56.0	51.8	47.6	42.7	36.6	29.6	21.3	12.3	6.98
-40	171	151	128	109	92.8	81.0	72.6	66.2	60.2	54.6	50.5	45.8	40.2	32.8	24.5	15.1	7.29	5.02
-35	375	337	275	210	153	111	87.2	74.7	67.6	61.8	56.1	51.2	46.5	40.5	32.7	23.9	13.9	6.37
-30	524	426	317	219	144	101	80.7	71.4	65.9	59.8	53.6	49.2	43.4	35.8	27.2	16.8	7.16	4.21
-25	944	845	677	488	322	196	119	84.0	72.0	66.5	60.8	54.5	49.6	43.4	35.3	26.0	15.2	6.02
-20	1219	1001	733	485	291	160	96.0	75.6	69.2	64.4	57.7	52.0	45.9	38.3	29.0	17.5	7.56	3.39
-15	2135	1821	1313	890	579	338	179	101	76.4	69.7	64.8	57.9	51.9	45.5	37.3	27.5	15.7	6.28
-10	2594	1831	1193	786	470	247	127	82.6	72.0	67.5	60.9	54.0	47.8	40.1	30.3	18.1	8.47	3.10
-5	3245	2778	1923	1193	760	443	228	118	80.4	71.5	66.8	59.8	53.1	46.5	38.2	28.1	15.7	6.71
0	3223	2380	1423	883	528	276	139	86.2	73.0	68.3	61.6	54.5	48.0	40.2	30.3	17.8	8.33	2.32
5	3074	2616	1819	1141	730	423	218	116	79.6	71.0	66.2	59.4	52.7	46.0	37.7	27.6	15.2	6.70
10	2260	1592	1075	718	427	224	120	80.7	71.0	66.4	60.0	53.2	46.8	39.0	29.3	17.1	7.95	2.61
15	1816	1532	1115	777	508	294	159	95.0	73.6	67.9	62.9	56.4	50.4	43.8	35.6	25.8	14.2	6.28
20	954	799	601	397	234	136	87.1	71.1	66.5	61.8	55.6	49.8	43.6	35.9	26.7	15.4	7.23	2.83
25	709	641	524	385	254	157	100	75.4	67.2	62.9	57.6	51.6	46.5	40.2	32.2	23.1	12.7	5.61
30	365	301	225	160	111	82.1	69.9	65.2	61.1	55.7	49.9	45.4	39.5	31.9	23.6	13.5	6.39	2.57
35	256	233	193	149	113	87.4	72.8	65.9	61.5	56.7	51.4	46.7	41.9	35.8	28.2	19.7	11.0	4.93
40	113	103	90.0	79.6	72.4	67.9	63.9	59.4	54.3	49.1	45.2	40.6	34.8	27.6	19.7	11.5	5.55	2.43
45	96.8	93.0	86.2	78.7	72.1	66.9	62.8	58.6	54.2	50.0	45.8	41.8	36.8	30.7	24.2	16.2	9.39	4.39
50	74.8	72.9	70.3	67.1	63.3	59.3	54.9	50.7	47.4	44.2	40.0	35.2	29.2	23.6	15.9	9.67	4.87	2.56
55	66.7	65.7	63.8	61.4	58.8	56.2	53.2	49.9	46.5	43.3	39.7	35.4	30.4	25.3	19.3	12.9	7.93	4.03
60	57.3	55.6	53.4	51.5	50.1	48.4	46.3	43.5	40.5	36.8	32.6	27.7	23.6	17.6	12.2	7.93	4.31	2.74
65	50.8	50.1	48.7	47.1	45.7	44.2	42.6	40.5	37.9	34.6	31.0	27.3	22.8	18.8	13.8	9.77	6.41	3.79
70	43.4	42.5	41.4	40.3	39.0	37.4	35.8	33.4	30.1	26.7	23.6	19.7	15.7	11.9	8.89	6.21	3.88	3.05
75	34.2	33.6	32.7	31.9	31.0	29.8	28.5	27.0	24.9	22.4	19.7	17.3	14.4	11.8	9.15	7.00	4.85	3.64
80	24.1	23.3	22.8	22.0	21.1	20.0	18.8	17.4	15.7	13.8	12.1	10.3	8.81	7.35	5.99	4.33	3.65	3.33
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:18 September 2019

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:11.750m [K=1.0000]
Remarks: