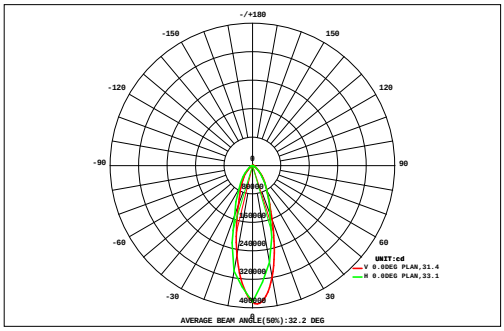
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		1819.5 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	8.5V x 11.4H
Beam Flux	Total	1000.3 lumens per klm.
	To 10% of Imax	813.2 lumens per klm.
	To 50% of Imax	303.9 lumens per klm.
	To 90% of Imax	31.9 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.9V I:2.277A P:1498W PF:0.9940 Freq:49.98Hz Lamp Flux:213673x1 lm		
NAME: ITSP31500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:142.63lm/W	
MODEL		Imax(cd)	388776
NOMINAL POWER(W)	1500	AVAILABILITY(%)	81.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	174948
NOMINAL FLUX(lm)	213673	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	213673
TEST VOLTAGE(V)	220	q @50%(H,V)	31,33DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)																			F t	F a
72	7.34	15.0	25.9	38.9	52.3	65.6	78.2	88.3	94.2	93.3	85.9	74.8	61.7	48.1	34.6	22.1	12.3	5.69	904	0.00
64	10.5	22.3	39.0	59.1	81.0	105	130	150	162	162	148	126	102	77.8	56.5	36.9	20.6	9.37	1498	0.00
56	13.1	28.8	51.9	81.8	120	168	227	284	320	322	288	231	171	123	84.3	54.4	30.8	14.3	2613	0.00
48	16.6	37.0	67.4	112	181	284	412	530	600	606	548	439	311	201	123	72.6	40.2	18.6	4599	317
40	23.1	50.3	93.6	173	315	521	749	931	1034	1030	911	711	484	291	162	86.0	44.7	19.9	7629	4759
32	26.8	59.3	122	256	486	795	1123	1419	1628	1609	1378	1062	723	426	219	106	53.5	23.9	11515	9513
24	27.9	64.0	143	320	615	1026	1547	2227	2812	2763	2144	1509	1013	607	313	141	65.4	29.7	17368	15733
-24	28.0	65.8	150	352	694	1190	1982	3357	4812	4979	3668	2181	1307	777	411	180	77.2	34.7	26246	24805
-32	30.2	70.6	166	397	780	1333	2329	4284	6415	6737	4856	2677	1459	845	450	194	81.2	35.9	33141	31808
-40	35.7	82.7	205	478	891	1535	2855	5130	7004	6539	4276	2284	1290	754	384	162	71.1	31.4	34007	32681
-48	33.5	76.8	181	419	794	1332	2174	3539	4718	4592	3281	1995	1217	716	368	159	71.2	31.9	25699	24286
-56	28.5	64.0	137	306	599	998	1454	1999	2596	2784	2350	1661	1082	647	344	158	72.2	33.0	17313	15675
-64	24.5	55.0	109	225	435	735	1085	1409	1662	1709	1507	1183	833	511	277	135	66.9	31.6	11995	9986
-72	22.7	49.7	95.4	178	319	523	756	948	1046	1035	933	762	538	331	186	102	56.1	27.1	7909	5138
	22.3	46.4	83.3	140	225	344	475	577	617	597	526	407	277	180	116	72.8	41.8	20.2	4768	247
	17.0	34.5	59.5	89.9	126	166	213	258	286	285	257	215	172	130	91.6	59.7	34.6	17.3	2512	0.00
	11.6	23.2	39.8	60.3	82.2	106	130	151	166	170	162	143	118	91.7	67.2	45.1	27.1	14.3	1608	0.00
	8.34	15.4	25.4	37.8	51.0	64.0	76.0	85.4	91.4	92.5	87.8	79.2	67.7	54.6	41.4	28.8	18.0	10.1	935	0.00
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)	16	24	32	40	48	56	64	72			
F t	388	861	1792	3724	6848	11292	17794	27369	36064	36103	27407	17742	11226	6811	3727	1816	885	409	212258	---
F a	0.00	0.00	0.00	653	3519	8740	15521	25147	33890	34045	25177	15505	8662	3543	545	0.00	0.00	0.00	---	174948

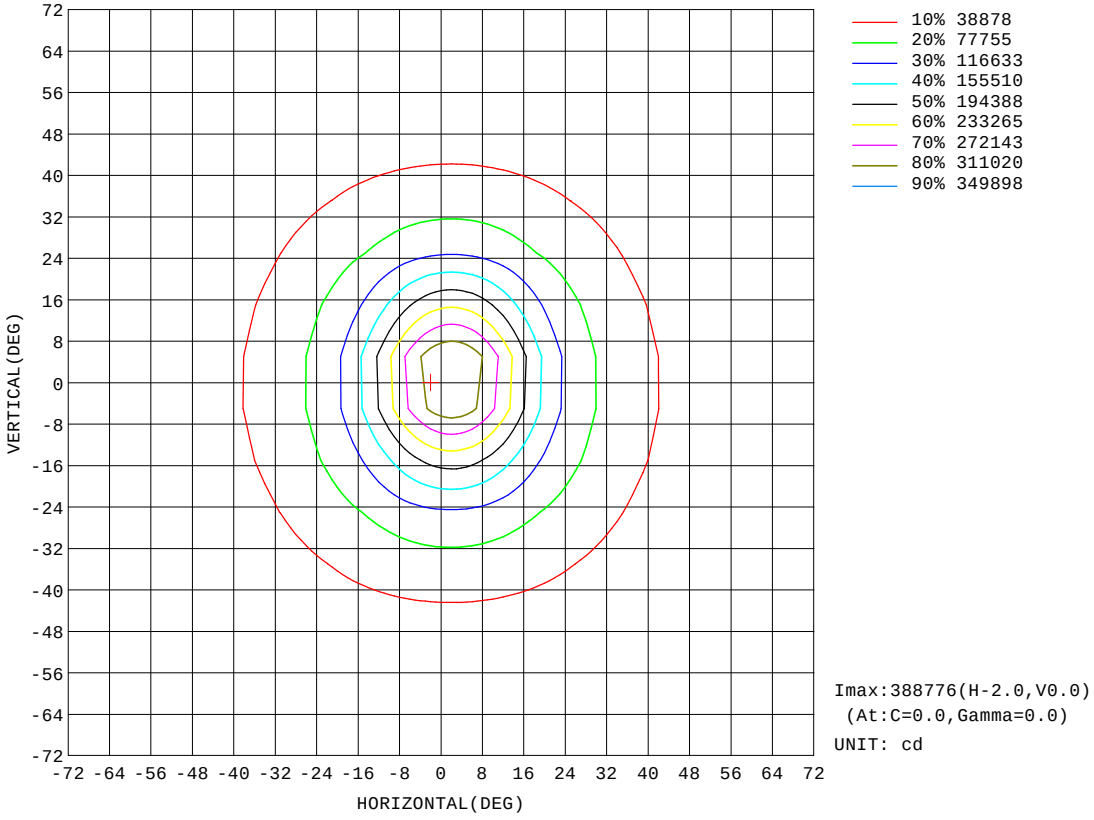
one-half-peak spread: U:16.3,D:17.1 , L:15.8,R:15.8 NEMA Beam Type: Type 5

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:20.600m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.9V I:2.277A P:1498W PF:0.9940 Freq:49.98Hz Lamp Flux:213673x1 lm		
NAME: ITSP31500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

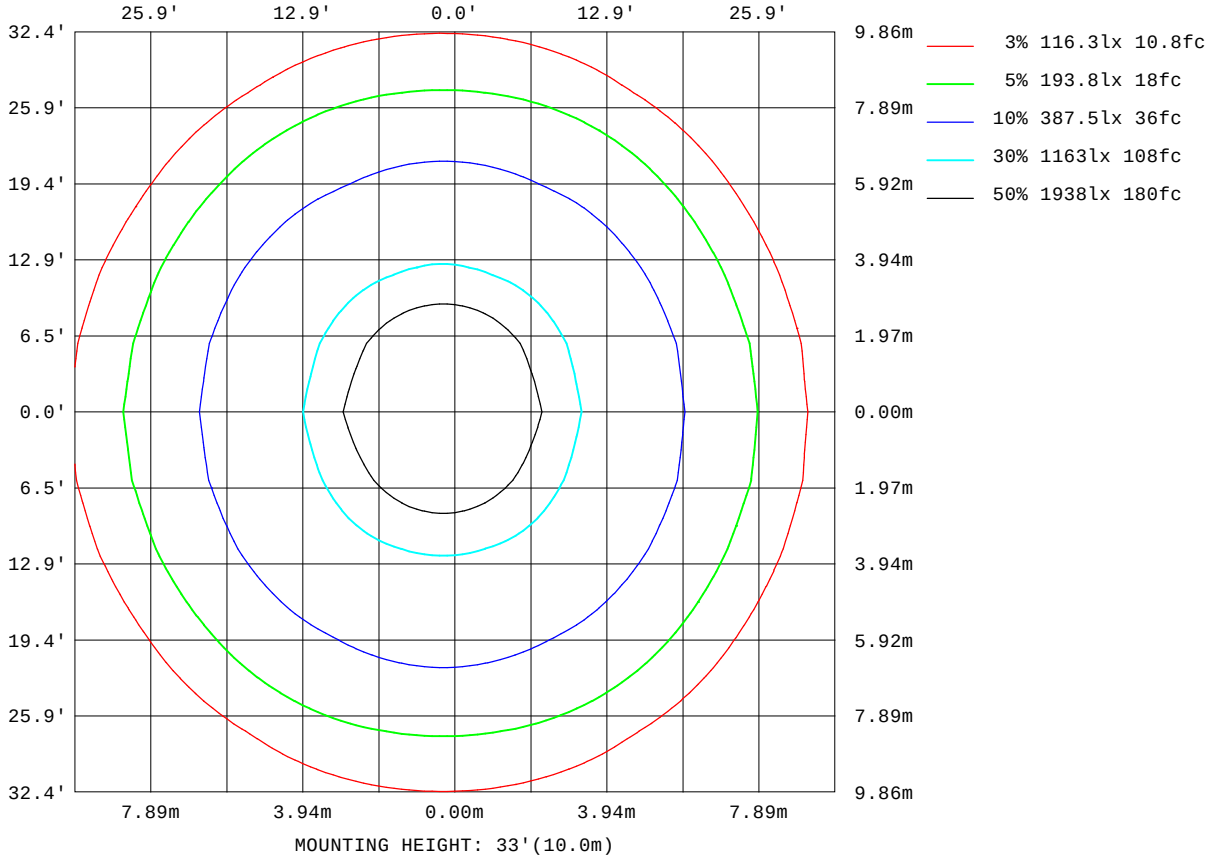


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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:20.600m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

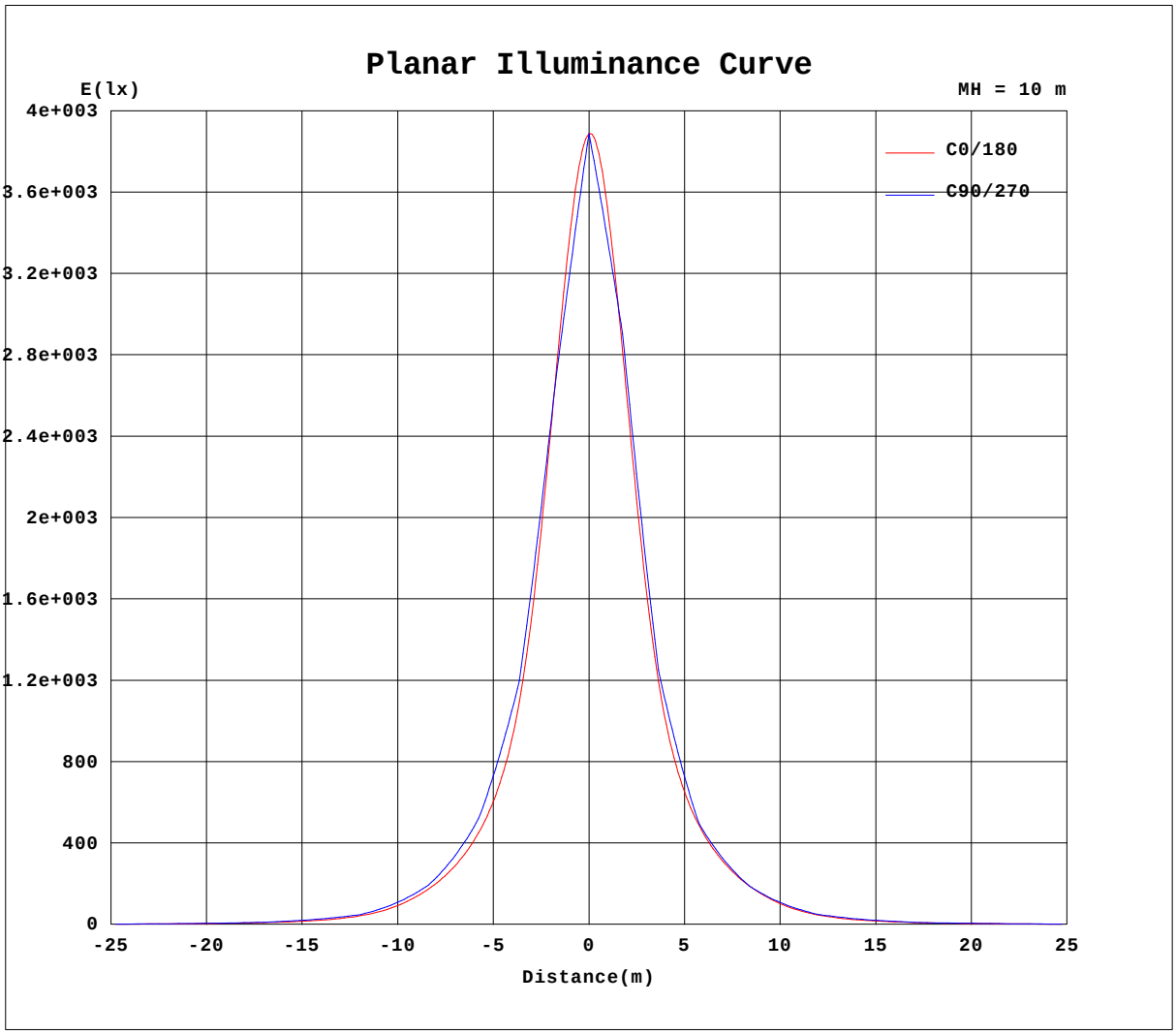
Test:U:220.9V I:2.277A P:1498W PF:0.9940 Freq:49.98Hz Lamp Flux:213673x1 lm		
NAME: ITSP31500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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:20.600m [K=1.0000]
Remarks:

Planar Illuminance Curve



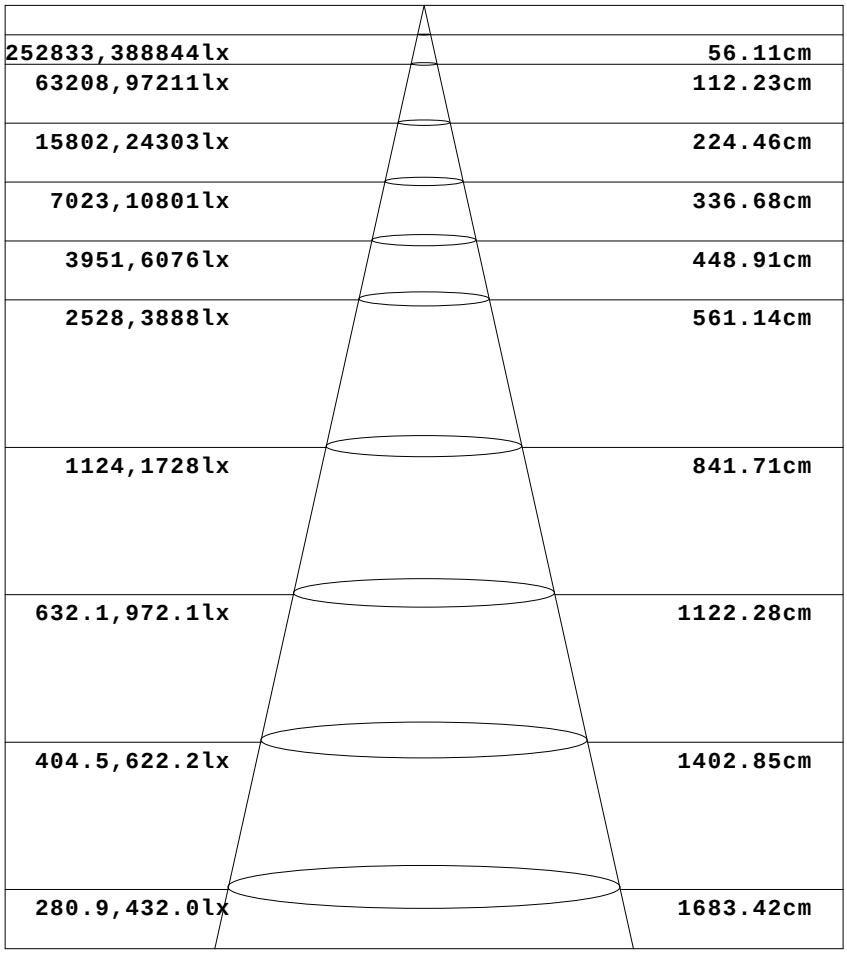
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 March 2020

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:20.600m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.9V I:2.277A P:1498W PF:0.9940 Freq:49.98Hz Lamp Flux:213673x1 lm		
NAME: ITSP31500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:65309 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:20.600m [K=1.0000]
Test Date:02 March 2020	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:2.277A P:1498W PF:0.9940 Freq:49.98Hz Lamp Flux:213673x1 lm		
NAME: ITSP31500304000	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	5.98	5.98	6.45	6.88	7.24	7.66	8.15	8.71	9.30	9.88	10.5	11.1	11.6	12.1	12.5	12.8	13.1	13.3	13.3
-75	5.83	6.04	6.28	7.15	8.18	9.37	10.7	12.3	14.0	15.8	17.6	19.4	21.0	22.6	23.9	25.2	26.1	27.0	27.5
-70	6.06	6.35	7.45	9.07	11.0	13.2	15.8	18.6	21.7	24.7	27.6	30.4	32.9	35.3	37.4	39.1	40.5	41.5	41.7
-65	5.67	6.04	6.66	8.67	11.3	14.5	18.1	22.3	26.9	31.6	36.3	40.8	45.2	49.6	53.9	57.7	60.8	63.1	64.4
-60	5.90	6.50	8.88	12.4	16.6	21.6	27.1	33.2	39.7	46.1	52.2	58.3	64.6	70.9	76.6	81.4	84.9	87.0	87.3
-55	5.40	5.79	6.91	10.6	15.4	21.0	27.5	34.9	43.1	51.9	61.0	70.8	81.5	92.8	105	116	126	134	138
-50	5.53	6.49	10.6	16.3	23.0	30.8	39.7	49.6	60.4	72.1	85.3	100	116	134	151	168	180	187	188
-45	5.00	5.35	7.16	12.8	19.7	27.9	37.4	48.5	61.2	76.5	96.0	120	149	183	219	254	282	301	310
-40	4.99	6.49	12.4	20.1	29.3	40.0	52.6	67.4	85.8	112	144	186	236	291	343	386	416	431	432
-35	4.39	4.71	7.44	14.7	23.6	34.3	46.8	61.8	81.0	110	150	203	266	340	416	486	545	591	615
-30	4.20	6.36	13.8	23.3	34.7	48.2	64.5	85.7	120	170	239	320	414	512	603	683	751	793	797
-25	3.60	3.94	7.79	16.2	27.0	39.8	55.1	74.2	104	153	223	311	414	532	657	786	921	1045	1116
-20	3.40	6.54	14.8	26.0	39.5	55.3	75.3	107	162	245	347	464	602	753	916	1105	1296	1422	1433
-15	2.96	3.28	7.94	17.1	29.3	43.9	61.3	84.6	126	195	296	412	548	711	911	1178	1530	1881	2091
-10	2.85	6.45	15.3	27.4	42.2	59.7	82.7	124	196	304	430	573	750	981	1319	1805	2339	2710	2751
-5	2.55	2.84	7.74	17.5	30.5	46.0	64.6	90.7	141	224	343	474	628	827	1116	1582	2226	2880	3290
0	2.48	6.15	15.2	27.9	43.2	61.4	85.7	132	212	330	464	616	814	1113	1624	2372	3182	3768	3838
5	2.27	2.57	7.28	17.0	30.0	45.5	64.0	89.9	140	223	341	472	627	825	1117	1602	2283	2979	3416
10	2.25	5.61	14.3	26.4	41.2	58.6	81.3	122	193	301	425	569	747	980	1350	1902	2522	2955	3007
15	2.11	2.41	6.75	15.8	28.0	42.6	59.8	82.6	124	192	293	408	543	705	904	1191	1588	1998	2247
20	2.17	5.29	13.2	24.3	37.8	53.5	72.9	104	158	241	342	458	594	738	899	1103	1324	1480	1494
25	2.11	2.37	6.17	14.1	24.9	37.7	52.7	71.1	100	148	219	306	408	523	642	766	907	1044	1126
30	2.24	4.77	11.5	20.8	32.2	45.5	61.1	81.4	115	165	234	315	406	498	581	652	714	753	758
35	2.29	2.47	5.51	12.1	20.9	31.5	43.8	58.1	76.3	104	144	197	261	334	407	471	525	567	590
40	2.46	4.41	9.65	17.1	26.4	36.9	49.0	62.6	80.3	104	138	181	232	287	338	379	407	421	422
45	2.54	2.66	4.88	9.85	16.7	24.9	34.3	45.0	56.7	71.3	89.6	114	143	179	216	251	279	299	308
50	2.69	3.95	7.69	13.3	20.0	27.8	36.5	45.9	55.8	66.6	79.2	93.3	110	130	151	170	185	193	193
55	2.78	2.86	4.23	7.60	12.4	18.1	24.8	32.1	40.0	48.1	56.6	65.9	76.0	88.0	101	114	126	135	139
60	2.92	3.55	5.91	9.41	13.9	19.0	24.8	30.9	37.2	43.1	48.7	54.5	60.7	67.0	72.7	77.9	81.8	84.0	84.2
65	3.03	3.08	3.72	5.64	8.40	11.8	15.9	20.4	25.2	30.1	34.7	39.0	43.3	47.7	52.1	56.0	59.4	62.0	63.3
70	3.18	3.40	4.45	6.16	8.38	11.2	14.2	17.6	21.1	24.5	27.5	30.3	33.0	35.5	37.8	39.7	41.2	42.2	42.2
75	3.30	3.32	3.52	4.26	5.40	6.86	8.70	10.7	12.9	15.2	17.4	19.4	21.2	23.0	24.7	26.0	27.2	28.1	28.6
80	3.43	3.50	3.70	4.12	4.72	5.47	6.33	7.27	8.37	9.39	10.4	11.4	12.4	13.2	13.8	14.3	14.7	15.0	15.0
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:20.600m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:2.277A P:1498W PF:0.9940 Freq:49.98Hz Lamp Flux:213673x1 lm		
NAME: ITSP31500304000	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	13.2	12.9	12.5	12.1	11.6	11.1	10.6	9.97	9.41	8.88	8.36	7.90	7.51	7.18	6.88	6.49	6.36	6.29
-75	27.5	26.9	26.1	25.0	23.8	22.3	20.8	19.2	17.5	15.7	13.9	12.3	10.8	9.51	8.45	7.59	6.87	6.66
-70	41.0	39.6	38.0	35.9	33.6	31.2	28.5	25.7	22.8	19.8	16.9	14.2	12.0	10.1	8.62	7.49	6.98	6.67
-65	64.4	63.0	60.5	57.3	53.6	49.3	44.9	40.5	36.1	31.6	26.9	22.4	18.4	14.9	11.9	9.46	7.69	7.11
-60	85.8	82.6	78.1	72.8	66.7	60.4	54.3	48.4	42.3	35.9	29.7	24.1	19.1	14.7	11.2	8.42	7.35	6.90
-55	137	133	125	115	103	91.8	81.1	70.7	61.0	52.1	43.6	35.6	28.4	22.0	16.4	11.8	8.45	7.33
-50	182	171	156	138	121	106	91.2	77.3	65.4	54.6	44.5	35.4	27.3	20.2	14.2	9.47	7.49	6.92
-45	309	298	277	248	213	178	145	118	95.0	76.2	61.7	49.4	38.6	29.2	21.0	14.3	9.07	7.23
-40	419	392	352	302	248	197	154	121	93.8	74.1	59.0	45.9	34.7	25.0	16.8	10.3	7.27	6.61
-35	612	582	533	472	402	327	255	195	145	107	80.2	62.2	47.7	35.5	25.0	16.2	9.43	6.79
-30	761	696	619	532	436	341	257	187	133	95.1	71.9	55.0	41.0	29.0	18.7	10.8	6.72	5.97
-25	1106	1020	890	756	630	509	393	294	210	144	99.6	73.1	55.2	40.6	28.0	17.5	9.59	6.15
-20	1324	1139	945	778	629	490	368	265	178	119	82.9	61.9	45.6	31.7	20.0	11.0	6.09	5.30
-15	2068	1821	1460	1116	863	674	518	388	276	182	119	82.0	60.7	44.2	30.1	18.3	9.50	5.56
-10	2445	1930	1411	1036	789	605	456	330	219	140	92.0	66.9	48.9	33.8	20.9	10.9	5.61	4.87
-5	3245	2770	2096	1467	1039	774	589	443	316	205	131	86.8	63.4	45.9	30.9	18.4	9.07	5.04
0	3334	2539	1746	1180	849	640	484	351	231	146	94.6	67.7	49.2	33.7	20.5	10.3	5.09	4.45
5	3371	2867	2151	1486	1041	772	586	440	314	203	130	85.7	62.4	45.0	30.1	17.6	8.42	4.53
10	2653	2056	1462	1045	786	599	450	325	215	137	89.7	65.0	47.2	32.2	19.4	9.53	4.57	3.95
15	2222	1933	1514	1128	857	665	509	380	269	176	115	78.3	57.7	41.6	27.6	16.0	7.47	3.97
20	1360	1143	931	761	614	478	357	256	170	113	77.7	57.7	42.0	28.4	16.9	8.15	3.89	3.45
25	1116	1017	875	736	614	495	382	283	200	136	92.6	67.0	50.1	36.0	23.8	13.6	6.24	3.36
30	724	666	595	514	422	329	246	176	123	86.4	64.3	48.8	35.5	23.8	14.0	6.66	3.21	2.92
35	587	559	514	457	389	315	243	182	133	96.5	71.0	54.5	41.1	29.4	19.3	10.9	4.99	2.85
40	409	383	343	293	237	185	141	108	82.9	64.1	50.6	38.5	27.9	18.6	10.8	5.15	2.72	2.61
45	306	294	272	241	205	167	134	106	83.8	66.5	53.1	41.9	31.7	22.5	14.7	8.30	3.99	2.61
50	186	172	153	132	111	94.4	80.6	67.5	56.5	46.8	37.4	28.7	20.7	13.8	8.05	4.11	2.61	2.60
55	138	133	123	110	96.7	83.6	72.3	62.6	53.3	45.1	37.2	29.5	22.4	16.0	10.4	6.10	3.39	2.68
60	82.1	78.1	72.8	67.0	60.7	54.3	48.3	42.6	36.9	30.8	24.6	18.8	13.7	9.14	5.65	3.44	2.78	2.80
65	63.0	61.2	58.1	54.4	50.2	45.6	41.1	36.7	32.3	27.6	22.8	18.2	13.8	10.0	6.82	4.47	3.18	2.93
70	41.3	39.6	37.5	35.1	32.4	29.6	26.8	23.7	20.3	16.8	13.5	10.5	7.79	5.64	4.08	3.24	3.09	3.11
75	28.5	27.7	26.5	25.1	23.5	21.7	19.7	17.8	15.7	13.5	11.2	9.14	7.27	5.70	4.48	3.66	3.28	3.24
80	14.6	14.0	13.3	12.6	11.7	10.6	9.60	8.55	7.53	6.48	5.58	4.81	4.18	3.73	3.49	3.39	3.38	3.40
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:20.600m [K=1.0000]
Remarks: