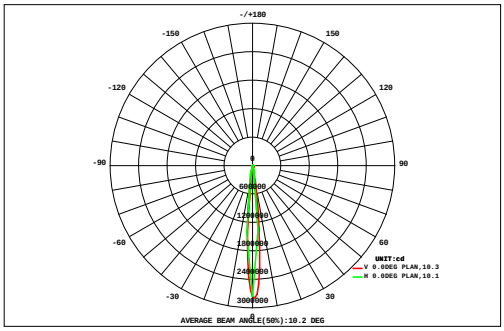
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		16859.1 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	20.9V x 19.9H
	At 50% of Imax	10.1V x 10.3H
	At 90% of Imax	3.6V x 4.5H
Beam Flux	Total	938.0 lumens per klm.
	To 10% of Imax	620.2 lumens per klm.
	To 50% of Imax	290.8 lumens per klm.
	To 90% of Imax	27.5 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	93.8 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.0V I:6.777A P:1498W PF:0.9808 Freq:49.99Hz Lamp Flux:165368x1 lm		
NAME: ITSP31500104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:110.42lm/W	
MODEL		Imax(cd)	2787947
NOMINAL POWER(W)	1500	AVAILABILITY(%)	72.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	120341
NOMINAL FLUX(lm)	165368	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	165368
TEST VOLTAGE(V)	220	q @50%(H,V)	10,10DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-18	-16	-14	-12	-10	-8	-6	-4	4	6	8	10	12	14	16	18	F t	F a
18	15.5	17.4	21.9	29.9	39.6	49.6	59.0	65.3	66.6	62.7	54.1	43.4	33.3	24.6	18.0	14.9	13.9	13.8	643	0.00
16	17.8	21.3	25.6	31.8	44.2	65.5	93.4	125	154	172	170	149	117	85.7	58.3	37.0	24.7	20.6	1413	0.00
14	20.8	26.5	30.0	32.6	48.1	86.0	142	212	285	338	348	310	246	180	121	71.5	41.3	30.9	2571	450
12	22.8	29.8	33.4	35.1	53.1	99.6	169	258	351	420	434	387	307	225	150	87.4	49.1	36.0	3147	1599
10	39.2	43.4	54.4	100.0	172	273	384	482	525	490	397	292	198	118	61.1	39.1	35.1	27.6	3732	2195
8	45.9	50.1	63.7	123	216	340	474	588	628	568	442	312	202	112	50.8	33.6	35.6	28.2	4312	2973
6	41.7	46.7	56.8	99.8	188	327	545	841	1170	1335	1285	1053	697	409	207	105	60.9	37.2	8507	7411
4	31.5	37.8	41.2	50.8	122	272	606	1176	1953	2479	2563	2189	1460	872	454	217	99.7	50.7	14676	13753
2	30.3	37.1	38.7	40.1	113	282	683	1389	2376	3058	3189	2733	1822	1087	565	267	118	57.3	17885	17159
0	46.4	62.1	139	322	691	1392	2455	3523	3809	3509	2480	1402	713	310	131	57.1	33.5	32.3	21108	20351
-2	51.0	70.0	171	408	878	1768	3097	4377	4568	4045	2661	1321	585	194	60.3	20.4	17.6	28.4	24321	23629
-4	41.7	54.8	114	257	548	1100	1955	2853	3195	3051	2287	1413	773	372	169	81.3	44.3	35.0	18344	17563
-6	24.8	27.0	12.6	0.22	0.00	0.00	7.49	125	659	1223	1611	1599	1135	710	375	186	93.8	47.5	7837	7178
-8	19.3	18.1	0.91	0.00	0.00	0.00	0.00	0.00	70.6	646	1389	1643	1237	808	435	218	109	51.2	6644	6080
-10	32.1	40.2	47.5	65.2	97.8	133	146	114	73.2	48.3	28.1	16.5	16.0	14.4	13.5	18.3	23.7	19.5	947	0.00
-12	32.7	41.6	49.2	66.4	89.0	96.0	37.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.27	11.5	431	0.00
-14	24.8	31.9	38.4	48.9	59.3	60.1	40.2	58.2	76.6	89.9	92.4	84.3	69.6	52.5	37.0	24.6	17.7	17.4	924	0.00
-16	12.4	16.1	20.8	21.2	18.1	24.8	46.7	81.0	123	160	176	168	144	111	79.6	51.4	36.1	31.0	1321	0.00
-18	HORIZONTAL(DEG)																			
F t	551	672	960	1732	3376	6368	10941	16268	20083	21695	19607	15116	9754	5686	2986	1530	860	576	138763	---
F a	0.00	0.00	0.00	754	2078	4741	10049	15319	19089	20925	18923	13840	8322	4338	1878	84.5	0.00	0.00	---	120341

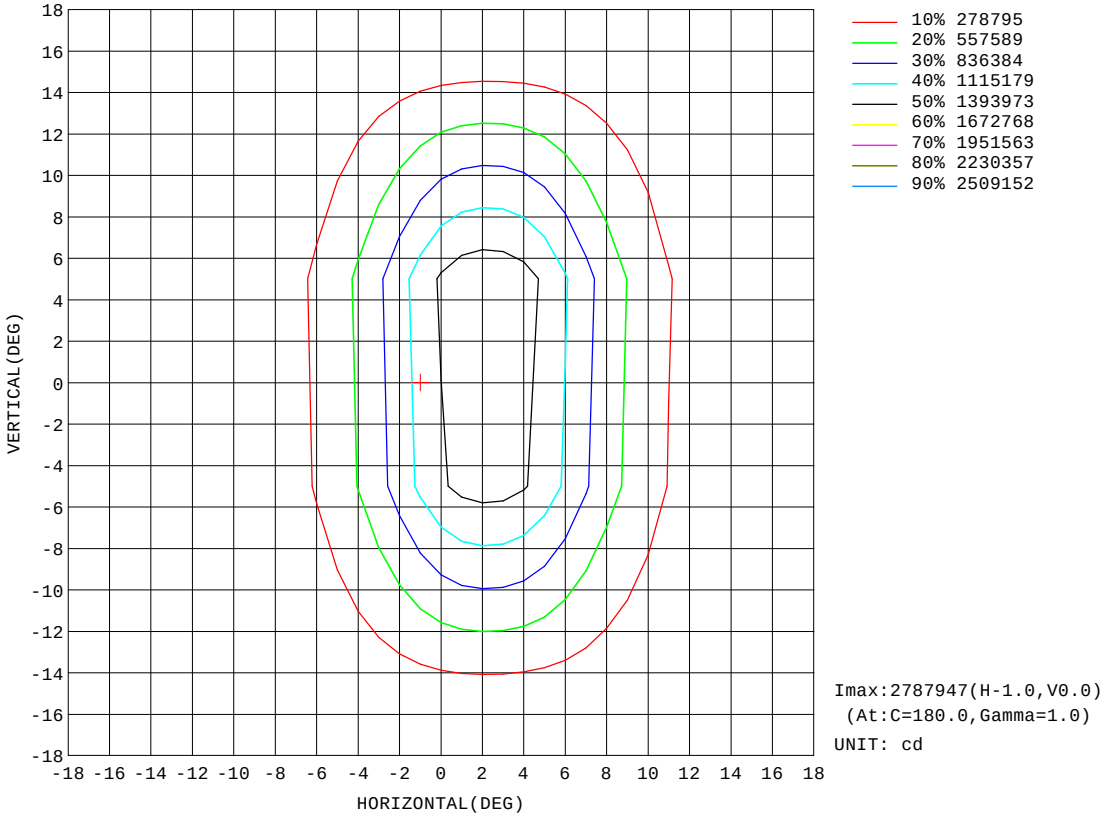
one-half-peak spread: U:5.0,D:5.2 , L:4.9,R:5.5 NEMA Beam Type: Type 2

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:30 May 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:221.0V I:6.777A P:1498W PF:0.9808 Freq:49.99Hz Lamp Flux:165368x1 lm		
NAME: ITSP31500104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

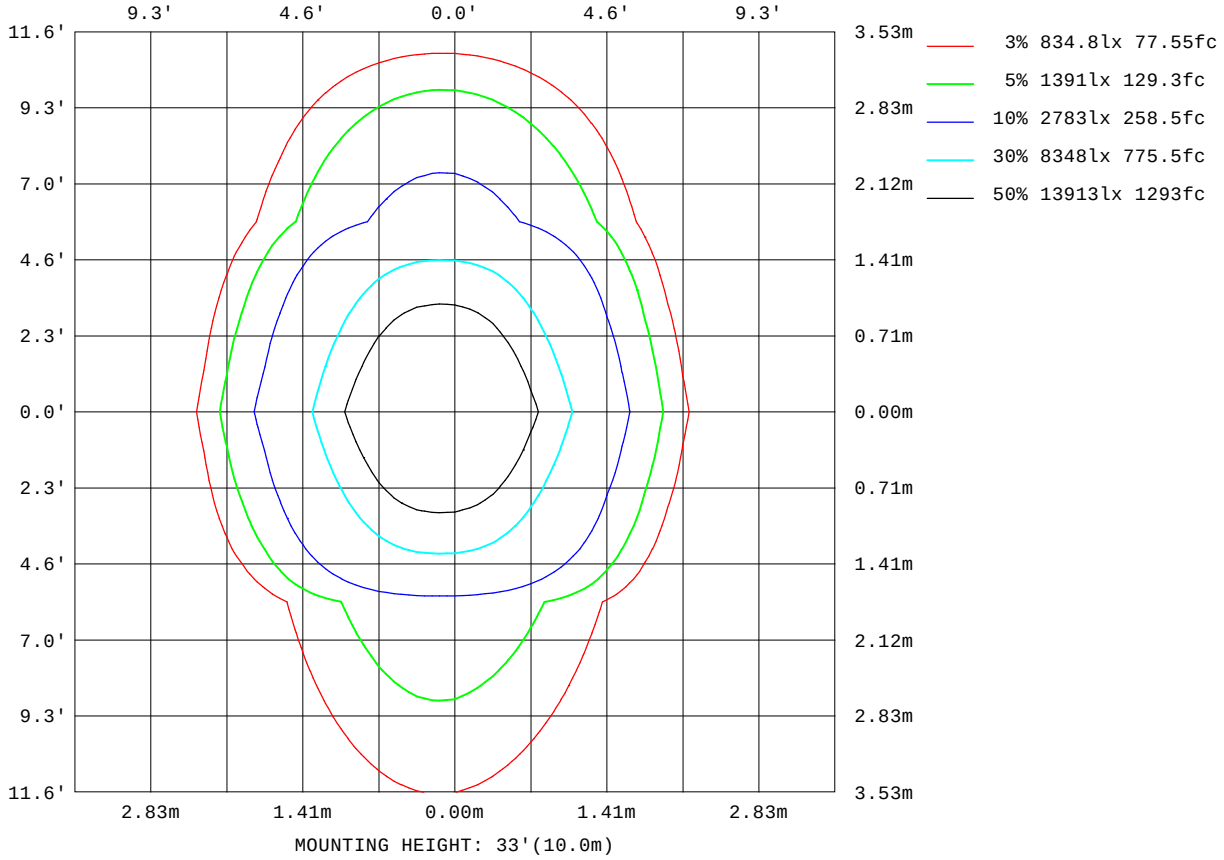


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:30 May 2020

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

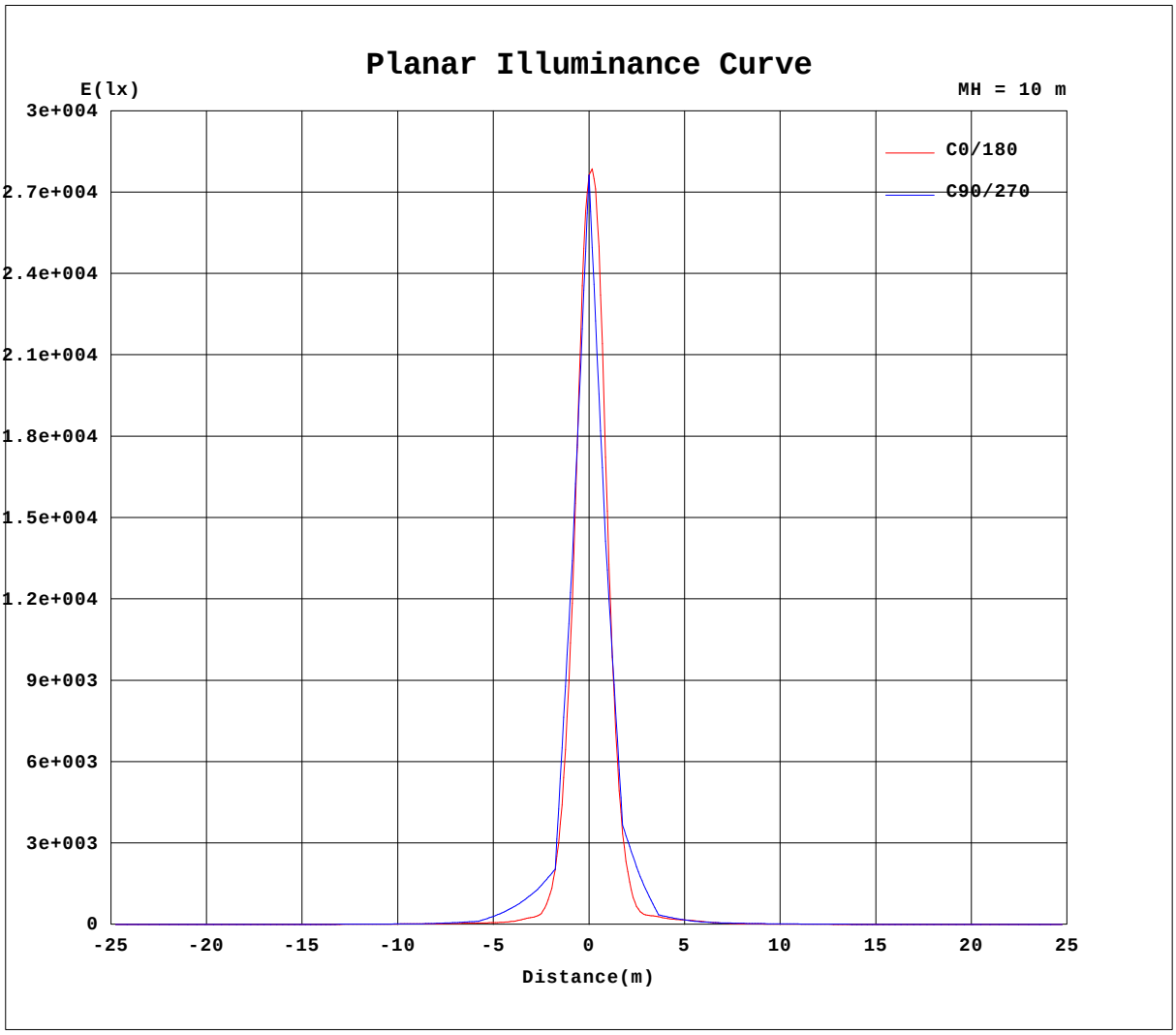
Test:U:221.0V I:6.777A P:1498W PF:0.9808 Freq:49.99Hz Lamp Flux:165368x1 lm		
NAME: ITSP31500104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:30 May 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



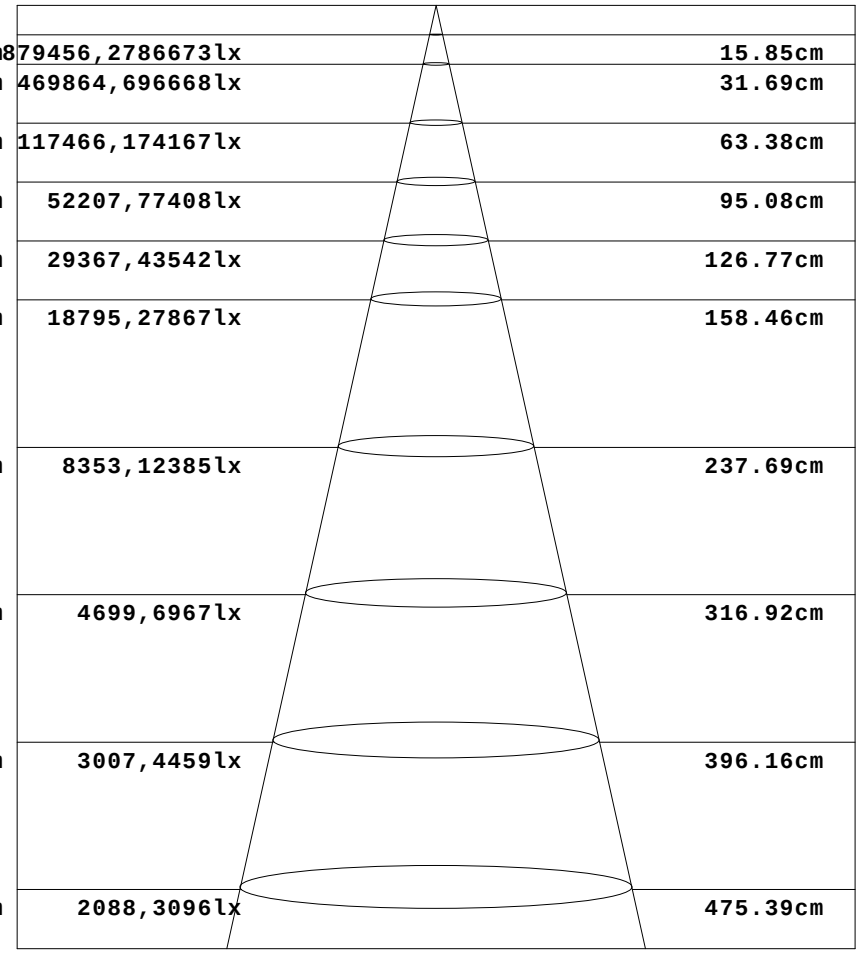
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:30 May 2020

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:221.0V I:6.777A P:1498W PF:0.9808 Freq:49.99Hz Lamp Flux:165368x1 lm		
NAME: ITSP31500104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:45195 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:30 May 2020	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.0V I:6.777A P:1498W PF:0.9808 Freq:49.99Hz Lamp Flux:165368x1 lm		
NAME: ITSP31500104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1 UNIT: ×1000cd

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	0.33	0.36	0.40	0.42	0.43	0.44	0.46	0.47	0.49	0.51	0.53	0.55	0.57	0.59	0.61	0.63	0.65	0.67	0.68
-75	0.33	0.36	0.39	0.43	0.47	0.51	0.55	0.60	0.64	0.69	0.75	0.80	0.86	0.92	0.98	1.03	1.07	1.10	1.13
-70	0.37	0.40	0.44	0.49	0.55	0.62	0.70	0.78	0.86	0.94	1.03	1.12	1.22	1.32	1.40	1.47	1.53	1.57	1.59
-65	0.33	0.35	0.39	0.45	0.53	0.62	0.74	0.88	1.00	1.14	1.28	1.44	1.61	1.77	1.94	2.08	2.21	2.29	2.36
-60	0.32	0.34	0.40	0.49	0.61	0.76	0.95	1.12	1.31	1.50	1.72	1.95	2.19	2.42	2.64	2.87	3.00	3.09	3.28
-55	0.30	0.31	0.35	0.45	0.59	0.76	0.98	1.24	1.49	1.78	2.12	2.49	2.89	3.26	3.60	3.88	4.13	4.29	4.42
-50	0.29	0.32	0.42	0.56	0.76	1.01	1.34	1.65	2.02	2.45	2.96	3.51	4.04	4.52	4.91	5.20	5.48	5.63	5.77
-45	0.32	0.31	0.37	0.52	0.71	0.96	1.29	1.71	2.16	2.67	3.28	3.91	4.52	5.05	5.51	5.90	6.30	6.63	6.85
-40	0.33	0.36	0.50	0.69	0.94	1.28	1.76	2.28	2.89	3.61	4.36	5.05	5.65	6.15	6.58	7.09	7.57	7.90	8.04
-35	0.26	0.26	0.35	0.54	0.78	1.11	1.58	2.16	2.80	3.53	4.23	4.78	5.33	6.01	6.97	8.28	9.87	11.8	13.4
-30	0.18	0.23	0.41	0.66	0.99	1.47	2.11	2.75	3.54	4.33	4.78	5.13	5.78	6.88	8.87	11.3	14.4	17.9	19.3
-25	0.15	0.16	0.28	0.51	0.82	1.27	1.90	2.66	3.46	4.27	4.68	4.94	5.51	7.01	9.70	12.5	17.5	31.3	53.2
-20	0.12	0.20	0.40	0.71	1.16	1.78	2.60	3.45	4.39	4.82	4.87	5.25	6.71	10.2	14.0	18.2	34.0	72.2	93.2
-15	0.11	0.13	0.27	0.52	0.90	1.44	2.19	3.08	4.09	4.89	4.96	5.25	6.51	8.95	12.1	19.4	31.4	75.7	144
-10	0.11	0.20	0.42	0.75	1.25	1.95	2.81	3.87	4.93	5.12	5.28	6.45	8.96	11.3	16.9	33.7	68.0	167	214
-5	0.11	0.13	0.27	0.54	0.93	1.51	2.31	3.27	4.46	5.25	5.35	6.27	10.4	16.4	19.9	30.8	74.0	417	1356
0	0.11	0.20	0.42	0.75	1.27	1.98	2.93	4.06	5.19	5.45	6.10	10.1	19.6	25.1	35.0	53.2	352	1743	2764
5	0.10	0.12	0.25	0.51	0.91	1.49	2.27	3.24	4.44	5.23	5.33	6.33	10.8	17.1	20.8	32.9	75.9	445	1430
10	0.09	0.17	0.38	0.70	1.19	1.89	2.75	3.83	4.88	5.09	5.29	6.91	10.1	12.8	20.9	34.9	98.6	278	384
15	0.08	0.10	0.22	0.46	0.83	1.36	2.09	3.00	4.05	4.86	4.95	5.31	6.94	9.57	12.3	19.7	29.7	94.4	196
20	0.08	0.15	0.33	0.63	1.05	1.67	2.48	3.38	4.39	4.81	4.89	5.31	6.83	9.39	11.4	13.0	22.6	37.6	43.9
25	0.08	0.09	0.20	0.41	0.72	1.18	1.82	2.59	3.46	4.32	4.71	4.89	5.41	6.63	8.66	9.88	12.1	19.5	28.1
30	0.08	0.13	0.29	0.53	0.89	1.41	2.07	2.77	3.65	4.42	4.76	4.91	5.27	6.19	7.69	8.35	9.62	12.5	16.2
35	0.10	0.11	0.19	0.37	0.62	0.99	1.49	2.07	2.76	3.52	4.18	4.59	4.89	5.27	6.09	6.90	7.66	9.24	11.6
40	0.12	0.16	0.29	0.48	0.76	1.15	1.64	2.16	2.76	3.48	4.14	4.63	4.93	5.16	5.53	6.24	7.38	8.72	9.54
45	0.13	0.13	0.20	0.32	0.51	0.78	1.12	1.52	1.98	2.49	3.09	3.68	4.16	4.59	5.00	5.54	6.29	7.24	8.03
50	0.14	0.16	0.25	0.38	0.56	0.80	1.11	1.41	1.77	2.23	2.75	3.34	3.90	4.50	5.06	5.67	6.33	6.81	6.89
55	0.12	0.12	0.16	0.24	0.37	0.54	0.75	1.00	1.25	1.54	1.89	2.31	2.75	3.21	3.67	4.10	4.60	4.99	5.20
60	0.10	0.11	0.17	0.25	0.37	0.52	0.70	0.87	1.06	1.27	1.52	1.81	2.15	2.48	2.81	3.11	3.38	3.48	3.47
65	0.10	0.10	0.12	0.18	0.25	0.35	0.47	0.61	0.74	0.88	1.05	1.24	1.46	1.69	1.92	2.12	2.34	2.46	2.51
70	0.11	0.11	0.14	0.18	0.24	0.32	0.41	0.50	0.59	0.69	0.80	0.92	1.05	1.18	1.28	1.38	1.47	1.52	1.54
75	0.12	0.12	0.12	0.15	0.18	0.22	0.27	0.33	0.39	0.45	0.52	0.59	0.67	0.75	0.83	0.89	0.95	1.00	1.03
80	0.13	0.13	0.14	0.15	0.17	0.19	0.21	0.24	0.26	0.30	0.33	0.36	0.40	0.43	0.45	0.47	0.50	0.51	0.52
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:30 May 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:221.0V I:6.777A P:1498W PF:0.9808 Freq:49.99Hz Lamp Flux:165368x1 lm		
NAME: ITSP31500104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2 UNIT: ×1000cd

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	0.68	0.66	0.64	0.63	0.61	0.59	0.57	0.55	0.53	0.52	0.51	0.50	0.49	0.48	0.46	0.45	0.39	0.36
-75	1.14	1.12	1.08	1.04	1.00	0.94	0.89	0.83	0.78	0.73	0.69	0.64	0.60	0.55	0.52	0.49	0.45	0.41
-70	1.58	1.54	1.48	1.41	1.32	1.23	1.14	1.05	0.97	0.89	0.81	0.73	0.65	0.59	0.54	0.49	0.46	0.43
-65	2.37	2.34	2.26	2.11	1.98	1.82	1.65	1.49	1.33	1.19	1.06	0.93	0.80	0.69	0.60	0.53	0.48	0.45
-60	3.14	3.06	2.89	2.67	2.44	2.21	1.97	1.73	1.53	1.33	1.15	0.96	0.80	0.67	0.58	0.50	0.47	0.45
-55	4.46	4.39	4.24	4.00	3.72	3.37	3.00	2.62	2.25	1.92	1.64	1.37	1.11	0.89	0.72	0.59	0.50	0.46
-50	5.70	5.58	5.32	5.02	4.58	4.10	3.58	3.06	2.57	2.17	1.78	1.45	1.14	0.90	0.71	0.56	0.48	0.45
-45	6.89	6.75	6.50	6.18	5.87	5.45	4.93	4.35	3.70	3.05	2.51	2.01	1.58	1.21	0.92	0.71	0.55	0.48
-40	7.93	7.66	7.29	7.00	6.67	6.18	5.61	4.86	4.04	3.26	2.60	2.05	1.56	1.16	0.87	0.65	0.52	0.48
-35	13.4	11.8	10.1	8.86	7.85	6.99	6.34	5.76	5.06	4.18	3.31	2.56	1.93	1.41	1.00	0.72	0.52	0.43
-30	17.2	13.9	11.3	9.53	7.91	6.99	6.40	5.86	5.07	4.00	3.05	2.31	1.64	1.13	0.78	0.53	0.38	0.35
-25	51.2	29.4	17.2	13.3	10.8	8.01	6.52	5.94	5.55	4.86	3.82	2.89	2.12	1.48	1.00	0.67	0.44	0.34
-20	58.5	27.4	17.3	14.2	10.2	6.95	5.83	5.57	5.33	4.47	3.38	2.52	1.79	1.22	0.80	0.51	0.34	0.29
-15	139	72.6	30.1	18.2	11.9	8.71	6.70	5.87	5.72	5.46	4.38	3.23	2.34	1.61	1.07	0.69	0.44	0.31
-10	141	55.3	27.9	12.9	9.68	7.71	6.31	5.93	5.96	5.29	3.91	2.83	1.98	1.32	0.84	0.54	0.35	0.29
-5	1277	381	68.2	24.8	12.7	9.55	7.72	6.49	6.14	6.04	4.90	3.52	2.51	1.71	1.11	0.71	0.45	0.31
0	1199	213	35.7	20.0	11.1	9.11	7.44	6.50	6.31	5.68	4.12	2.95	2.05	1.35	0.85	0.54	0.35	0.27
5	1351	411	70.6	26.3	12.8	9.68	7.91	6.62	6.22	6.12	4.95	3.54	2.53	1.71	1.11	0.71	0.44	0.30
10	233	76.7	29.5	13.9	9.82	8.06	6.65	6.11	6.12	5.41	3.97	2.86	1.99	1.32	0.84	0.53	0.34	0.26
15	192	94.7	29.0	17.5	10.5	8.23	6.57	5.77	5.69	5.53	4.41	3.24	2.32	1.58	1.03	0.66	0.41	0.27
20	33.3	18.7	12.0	10.8	8.29	6.22	5.30	5.27	5.26	4.47	3.35	2.46	1.72	1.15	0.73	0.45	0.28	0.22
25	29.0	20.4	12.3	9.78	8.39	6.42	5.43	5.12	5.02	4.54	3.53	2.66	1.89	1.28	0.82	0.51	0.30	0.19
30	15.5	11.1	8.63	7.45	5.89	5.27	5.04	4.90	4.36	3.44	2.58	1.91	1.29	0.83	0.51	0.29	0.15	0.12
35	13.1	11.1	8.32	7.01	6.12	5.33	5.00	4.71	4.22	3.47	2.65	2.03	1.43	0.96	0.60	0.36	0.19	0.11
40	8.99	7.43	6.18	5.53	5.21	4.97	4.63	4.01	3.23	2.48	1.89	1.42	0.97	0.62	0.38	0.20	0.10	0.08
45	8.14	7.31	6.25	5.49	5.01	4.63	4.21	3.69	3.06	2.40	1.88	1.46	1.05	0.71	0.46	0.27	0.15	0.09
50	6.45	5.88	5.33	4.83	4.34	3.78	3.20	2.62	2.09	1.66	1.31	0.99	0.71	0.48	0.30	0.17	0.10	0.09
55	5.11	4.76	4.39	3.98	3.59	3.18	2.74	2.30	1.88	1.52	1.23	0.98	0.73	0.52	0.35	0.22	0.13	0.10
60	3.38	3.23	2.94	2.67	2.37	2.05	1.74	1.47	1.23	1.02	0.84	0.66	0.49	0.35	0.24	0.16	0.11	0.10
65	2.49	2.40	2.27	2.08	1.88	1.66	1.44	1.23	1.05	0.89	0.75	0.62	0.47	0.36	0.26	0.18	0.13	0.11
70	1.50	1.44	1.36	1.26	1.13	1.00	0.88	0.77	0.68	0.58	0.49	0.40	0.31	0.24	0.18	0.14	0.12	0.12
75	1.02	0.99	0.95	0.89	0.83	0.75	0.67	0.59	0.53	0.46	0.40	0.34	0.28	0.23	0.19	0.16	0.13	0.13
80	0.51	0.49	0.47	0.45	0.43	0.40	0.36	0.33	0.30	0.27	0.24	0.21	0.19	0.17	0.15	0.14	0.13	0.13
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:30 May 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: