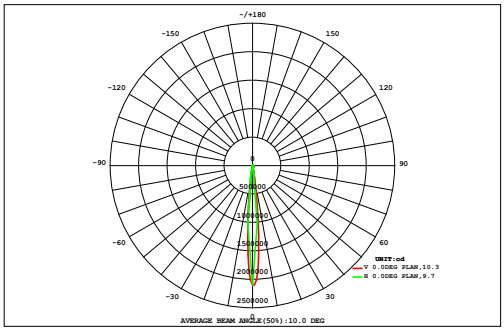
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		17871.7 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	19.8V x 19.7H
	At 50% of Imax	9.7V x 10.3H
	At 90% of Imax	3.5V x 4.7H
Beam Flux	Total	930.4 lumens per klm.
	To 10% of Imax	640.7 lumens per klm.
	To 50% of Imax	306.3 lumens per klm.
	To 90% of Imax	30.8 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	93.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:222.7V I:4.605A P:1002W PF:0.9755 Freq:49.89Hz Lamp Flux:117017x1 lm		
NAME: ITSP41000104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:116.78lm/W	
MODEL		Imax(cd)	2091305
NOMINAL POWER(W)	1000	AVAILABILITY(%)	74.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	87632
NOMINAL FLUX(lm)	117017	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	117017
TEST VOLTAGE(V)	221.0	q @50%(H,V)	10,10DEG

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	0.06	0.52	1.52	3.23	5.56	8.41	11.6	14.5	16.4	16.7	15.4	13.0	9.71	6.68	4.05	1.96	0.63	0.09	130	0.00
70	0.11	0.90	3.15	7.27	12.9	20.2	28.7	36.4	41.5	41.9	38.4	31.4	22.8	15.0	8.82	4.05	1.21	0.13	315	0.00
60	0.15	1.45	5.49	13.1	24.1	39.7	56.7	71.4	80.7	81.6	74.3	61.1	44.4	28.3	15.7	6.87	1.93	0.19	607	0.00
50	0.19	2.06	8.16	20.4	40.1	67.2	92.1	112	130	129	114	94.3	71.4	46.3	24.4	10.1	2.70	0.26	964	0.00
40	0.23	2.66	10.9	28.6	57.2	88.2	112	143	180	186	147	114	89.0	62.6	33.5	13.4	3.42	0.32	1273	0.00
30	0.26	3.16	13.5	36.1	69.8	96.3	136	212	399	510	257	151	98.8	72.3	41.7	16.4	4.03	0.36	2118	0.00
20	0.29	3.57	15.4	41.6	75.0	103	188	432	1857	2866	702	223	112	75.0	46.8	18.3	4.44	0.39	6763	542
10	0.30	3.76	16.3	44.0	75.1	111	252	931	10894	21875	2091	296	123	74.2	48.4	19.2	4.66	0.41	36859	30970
0	0.31	3.77	16.2	43.6	73.8	114	308	1407	26748	29074	1878	289	120	73.4	47.8	18.9	4.59	0.40	60220	56120
-10	0.29	3.53	15.1	40.7	71.5	102	178	477	843	986	438	186	105	73.3	44.9	17.6	4.26	0.37	3586	0.00
-20	0.26	3.13	13.3	35.3	65.7	91.1	136	183	177	169	148	135	92.0	70.1	39.2	15.2	3.70	0.33	1377	0.00
-30	0.23	2.59	10.7	28.1	54.6	79.7	98.7	118	116	104	114	97.5	82.5	60.0	30.9	12.2	3.04	0.27	1013	0.00
-40	0.19	2.02	7.97	20.1	38.9	62.9	80.7	90.7	95.5	95.6	92.1	83.4	67.5	42.9	21.8	8.87	2.29	0.21	814	0.00
-50	0.14	1.41	5.25	12.6	23.4	38.4	55.3	69.2	77.1	78.1	71.6	58.7	41.5	25.1	13.6	5.77	1.56	0.15	579	0.00
-60	0.11	0.89	3.05	6.88	11.9	18.1	25.4	32.6	37.1	37.5	33.5	26.8	19.1	12.3	7.19	3.21	0.91	0.09	277	0.00
-70	0.10	0.55	1.47	3.00	4.95	7.27	10.1	12.5	13.8	13.9	12.7	10.3	7.48	5.08	3.03	1.46	0.50	0.09	108	0.00
-80	0.07	0.26	0.46	0.65	0.85	1.05	1.19	1.31	1.50	1.46	1.20	1.00	0.83	0.66	0.48	0.32	0.18	0.07	13.5	0.00
-90																				
F t	3.28	36.2	148	385	705	1048	1771	4344	41707	56265	6227	1873	1106	743	432	174	44.0	4.12	117017	---
F a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	310	35737	50017	1569	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	87632

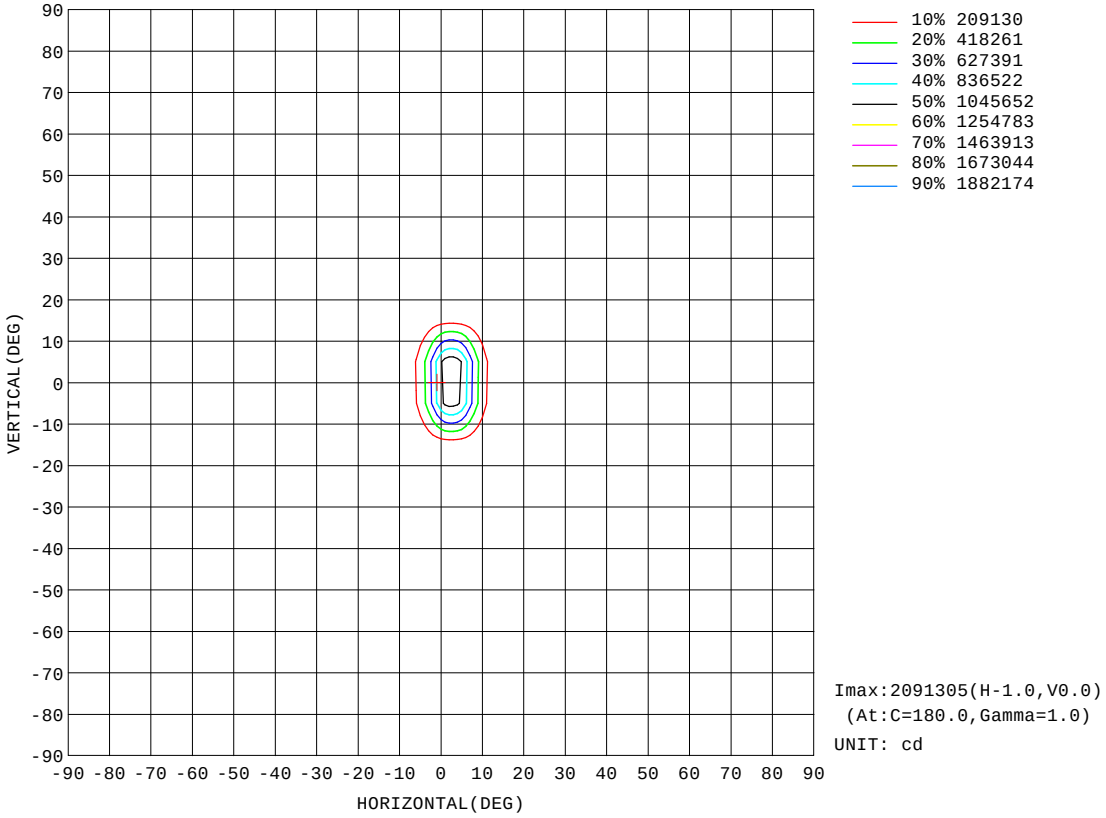
one-half-peak spread: U:4.8,D:5.0 , L:4.6,R:5.8 NEMA Beam Type: Type 2

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 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:222.7V I:4.605A P:1002W PF:0.9755 Freq:49.89Hz Lamp Flux:117017x1 lm		
NAME: ITSP41000104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

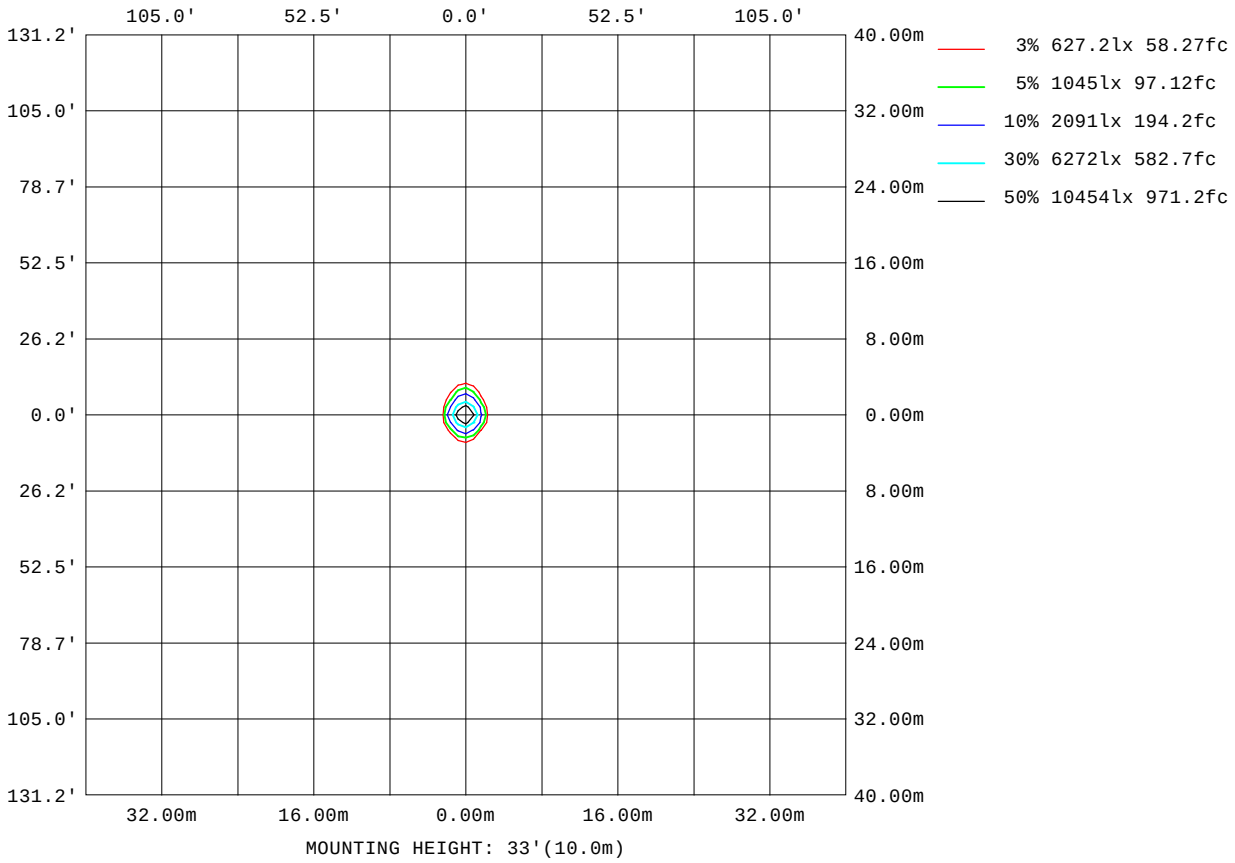


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 February 2023

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

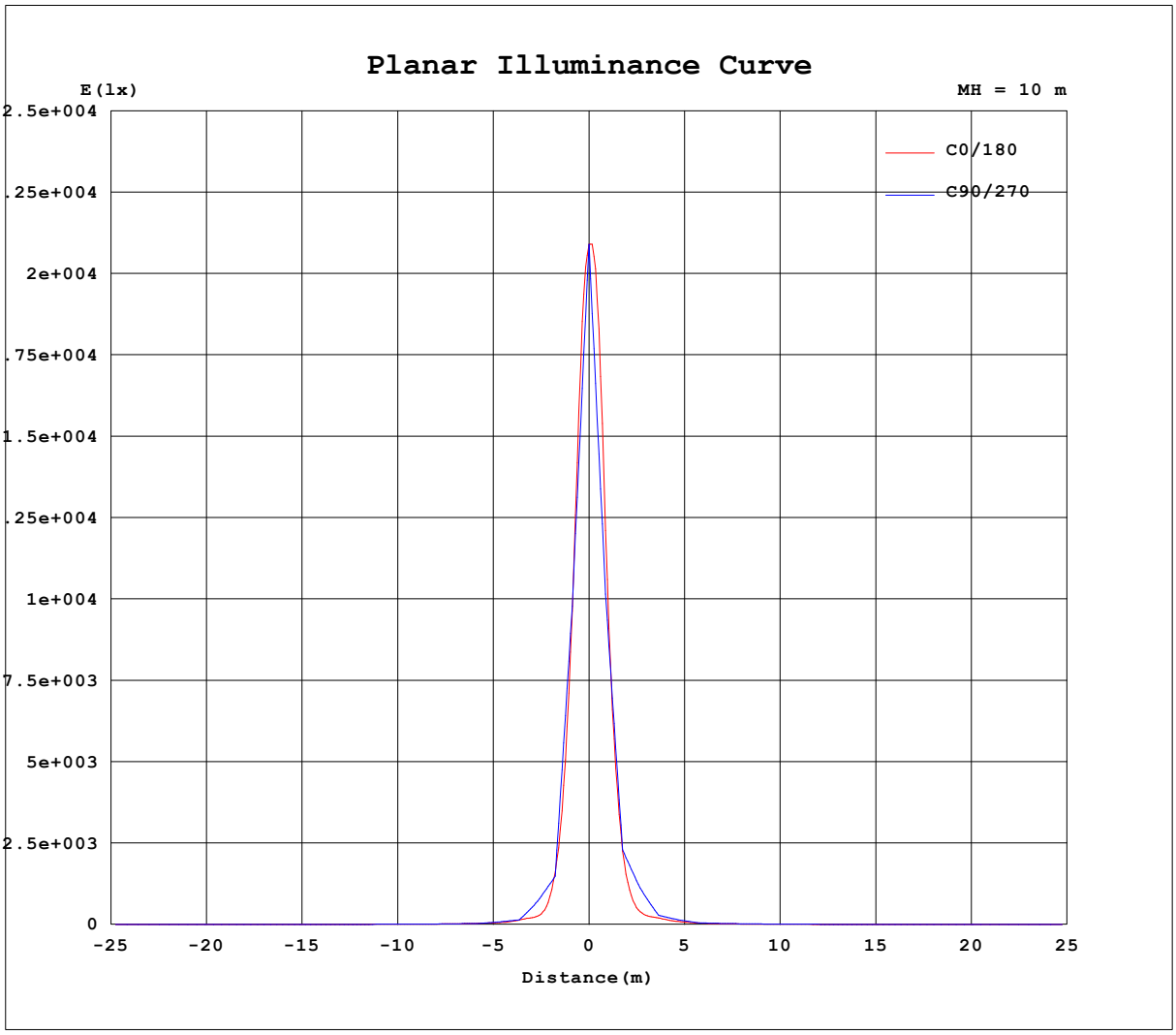
Test:U:222.7V I:4.605A P:1002W PF:0.9755 Freq:49.89Hz Lamp Flux:117017x1 lm		
NAME: ITSP41000104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 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



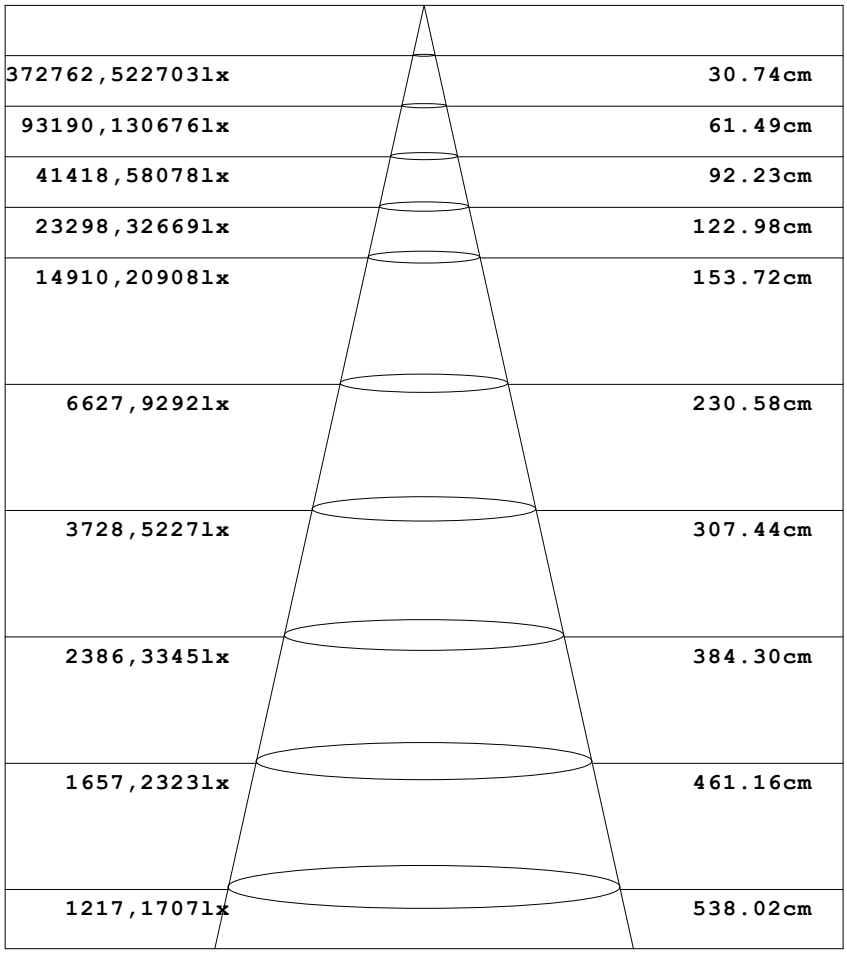
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 February 2023

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:222.7V I:4.605A P:1002W PF:0.9755 Freq:49.89Hz Lamp Flux:117017x1 lm		
NAME: ITSP41000104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:29014 lm



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 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:222.7V I:4.605A P:1002W PF:0.9755 Freq:49.89Hz Lamp Flux:117017x1 lm		
NAME: ITSP41000104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
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	0.04	0.04	0.05	0.07	0.07	0.08	0.09	0.11	0.12	0.13	0.14	0.16	0.17	0.18	0.20	0.21	0.22	0.23	0.24
-75	0.02	0.03	0.04	0.06	0.08	0.11	0.14	0.17	0.20	0.23	0.27	0.30	0.34	0.38	0.42	0.46	0.48	0.50	0.52
-70	0.01	0.03	0.06	0.08	0.12	0.16	0.22	0.27	0.32	0.38	0.43	0.49	0.56	0.63	0.69	0.74	0.77	0.79	0.80
-65	0.01	0.01	0.05	0.09	0.14	0.20	0.28	0.36	0.45	0.54	0.63	0.73	0.83	0.94	1.04	1.14	1.21	1.27	1.29
-60	0.01	0.04	0.09	0.15	0.23	0.33	0.45	0.56	0.68	0.80	0.94	1.09	1.23	1.37	1.52	1.63	1.73	1.77	1.80
-55	0.01	0.01	0.07	0.13	0.23	0.34	0.49	0.65	0.83	1.01	1.22	1.45	1.68	1.89	2.07	2.22	2.34	2.43	2.46
-50	0.01	0.06	0.12	0.22	0.36	0.53	0.73	0.96	1.19	1.47	1.78	2.09	2.38	2.63	2.83	2.96	3.08	3.13	3.16
-45	0.01	0.01	0.09	0.19	0.33	0.51	0.75	1.02	1.32	1.66	2.03	2.38	2.68	2.88	3.03	3.16	3.27	3.34	3.36
-40	0.01	0.07	0.16	0.31	0.51	0.77	1.10	1.44	1.84	2.28	2.71	3.05	3.25	3.31	3.39	3.51	3.56	3.57	3.58
-35	0.01	0.01	0.11	0.24	0.43	0.69	1.03	1.42	1.87	2.36	2.81	3.12	3.35	3.55	3.78	4.17	4.39	4.54	4.63
-30	0.01	0.08	0.20	0.38	0.64	0.99	1.45	1.92	2.47	3.01	3.33	3.46	3.69	4.03	4.64	5.13	5.40	5.62	5.71
-25	0.01	0.01	0.13	0.29	0.52	0.85	1.28	1.80	2.36	2.94	3.30	3.51	3.81	4.43	5.45	6.63	7.43	9.44	11.5
-20	0.01	0.09	0.23	0.45	0.77	1.19	1.74	2.32	2.97	3.40	3.55	3.84	4.60	5.90	7.85	8.93	11.6	16.1	17.9
-15	0.01	0.01	0.14	0.33	0.59	0.97	1.47	2.08	2.73	3.30	3.46	3.75	4.46	5.84	7.81	13.0	19.3	42.4	79.9
-10	0.01	0.10	0.26	0.50	0.85	1.32	1.91	2.60	3.27	3.46	3.66	4.35	5.80	7.87	12.7	24.7	47.4	116	156
-5	0.01	0.02	0.15	0.35	0.64	1.05	1.58	2.23	2.95	3.44	3.50	3.94	5.23	7.95	12.8	23.0	54.1	283	990
0	0.01	0.10	0.27	0.52	0.89	1.38	2.01	2.71	3.36	3.47	3.75	4.79	7.49	12.9	24.7	43.9	236	1225	2091
5	0.01	0.02	0.15	0.35	0.64	1.05	1.59	2.25	2.98	3.47	3.55	3.99	5.34	8.13	13.2	24.2	57.6	300	1027
10	0.01	0.10	0.26	0.51	0.86	1.35	1.95	2.66	3.34	3.55	3.76	4.51	6.11	8.32	14.5	27.7	69.2	174	241
15	0.01	0.02	0.15	0.33	0.61	1.00	1.51	2.14	2.82	3.39	3.59	3.89	4.72	6.25	8.42	14.5	24.0	63.8	125
20	0.01	0.10	0.24	0.47	0.79	1.24	1.81	2.42	3.09	3.52	3.73	4.08	5.00	6.46	8.41	10.3	17.4	29.2	34.5
25	0.01	0.02	0.14	0.30	0.55	0.88	1.34	1.87	2.47	3.08	3.47	3.73	4.12	4.84	5.98	7.28	9.08	14.4	20.4
30	0.01	0.09	0.21	0.41	0.68	1.05	1.51	2.01	2.60	3.17	3.55	3.76	4.03	4.43	5.26	5.84	6.47	7.47	8.30
35	0.01	0.02	0.12	0.26	0.46	0.73	1.09	1.49	1.97	2.50	2.99	3.38	3.66	3.93	4.27	4.83	5.27	5.92	6.55
40	0.01	0.08	0.18	0.33	0.55	0.82	1.15	1.53	1.95	2.45	2.93	3.35	3.61	3.80	3.99	4.32	4.82	5.20	5.08
45	0.01	0.02	0.10	0.20	0.36	0.56	0.81	1.09	1.41	1.77	2.18	2.59	2.94	3.22	3.44	3.66	3.95	4.27	4.41
50	0.01	0.06	0.14	0.25	0.40	0.58	0.80	1.03	1.28	1.58	1.94	2.29	2.61	2.91	3.14	3.33	3.48	3.57	3.61
55	0.01	0.01	0.08	0.15	0.25	0.38	0.54	0.71	0.89	1.09	1.33	1.59	1.84	2.08	2.29	2.46	2.62	2.72	2.79
60	0.01	0.05	0.10	0.16	0.26	0.37	0.49	0.61	0.74	0.87	1.03	1.20	1.36	1.52	1.67	1.79	1.91	1.96	1.96
65	0.01	0.01	0.06	0.10	0.15	0.23	0.32	0.40	0.50	0.59	0.69	0.81	0.93	1.05	1.17	1.26	1.35	1.41	1.44
70	0.01	0.03	0.06	0.09	0.14	0.19	0.25	0.31	0.37	0.43	0.50	0.57	0.65	0.72	0.79	0.84	0.88	0.91	0.92
75	0.01	0.01	0.03	0.06	0.08	0.11	0.14	0.18	0.22	0.26	0.30	0.34	0.39	0.43	0.48	0.51	0.54	0.56	0.58
80	0.01	0.01	0.03	0.04	0.06	0.07	0.08	0.10	0.11	0.13	0.15	0.16	0.18	0.20	0.21	0.22	0.23	0.24	0.24
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(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 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:222.7V I:4.605A P:1002W PF:0.9755 Freq:49.89Hz Lamp Flux:117017x1 lm		
NAME: ITSP41000104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
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	0.23	0.22	0.21	0.20	0.19	0.18	0.16	0.15	0.13	0.12	0.10	0.09	0.08	0.07	0.06	0.05	0.05	0.04
-75	0.52	0.51	0.49	0.47	0.43	0.40	0.35	0.31	0.28	0.24	0.21	0.17	0.14	0.11	0.08	0.06	0.04	0.03
-70	0.79	0.77	0.74	0.70	0.63	0.57	0.50	0.44	0.38	0.32	0.27	0.21	0.16	0.11	0.07	0.04	0.02	0.02
-65	1.29	1.27	1.23	1.15	1.07	0.97	0.86	0.75	0.65	0.55	0.46	0.37	0.29	0.20	0.13	0.08	0.03	0.01
-60	1.77	1.73	1.63	1.53	1.39	1.25	1.10	0.94	0.80	0.68	0.55	0.43	0.31	0.21	0.12	0.06	0.01	0.01
-55	2.47	2.44	2.37	2.25	2.12	1.94	1.73	1.50	1.26	1.04	0.85	0.67	0.50	0.35	0.22	0.12	0.05	0.01
-50	3.14	3.08	2.98	2.84	2.63	2.39	2.09	1.77	1.46	1.18	0.94	0.71	0.50	0.33	0.20	0.10	0.02	0.01
-45	3.37	3.34	3.30	3.20	3.08	2.93	2.73	2.45	2.09	1.70	1.35	1.04	0.76	0.52	0.32	0.18	0.07	0.01
-40	3.57	3.56	3.53	3.43	3.36	3.25	3.05	2.71	2.26	1.79	1.38	1.03	0.71	0.46	0.26	0.12	0.02	0.01
-35	4.63	4.51	4.36	4.18	3.83	3.59	3.38	3.18	2.87	2.41	1.89	1.43	1.04	0.69	0.42	0.23	0.09	0.01
-30	5.56	5.28	5.01	4.50	3.99	3.66	3.48	3.31	2.97	2.40	1.83	1.36	0.92	0.58	0.33	0.16	0.03	0.01
-25	11.6	9.42	7.27	6.49	5.41	4.42	3.83	3.52	3.31	2.98	2.38	1.79	1.29	0.85	0.51	0.27	0.11	0.01
-20	15.5	10.6	8.48	7.33	5.50	4.41	3.74	3.49	3.33	2.87	2.20	1.62	1.09	0.68	0.38	0.18	0.04	0.01
-15	79.3	43.4	19.6	12.8	7.51	5.68	4.41	3.71	3.42	3.27	2.74	2.07	1.47	0.97	0.58	0.31	0.12	0.01
-10	101	42.2	22.7	10.4	7.12	5.29	4.10	3.51	3.38	3.12	2.45	1.79	1.22	0.76	0.43	0.20	0.04	0.01
-5	999	296	51.1	20.7	10.2	6.96	5.01	3.86	3.39	3.35	2.93	2.22	1.58	1.04	0.62	0.33	0.13	0.01
0	974	169	29.1	17.2	8.60	6.13	4.33	3.51	3.34	3.23	2.55	1.87	1.27	0.79	0.44	0.21	0.05	0.01
5	1037	312	53.1	21.7	10.5	7.11	5.10	3.89	3.41	3.40	2.97	2.24	1.60	1.05	0.63	0.33	0.13	0.01
10	151	51.9	24.3	11.5	7.42	5.54	4.20	3.54	3.43	3.22	2.51	1.82	1.25	0.78	0.43	0.20	0.04	0.01
15	125	64.1	22.8	14.1	7.96	6.01	4.59	3.77	3.47	3.39	2.84	2.14	1.52	1.00	0.60	0.32	0.13	0.01
20	26.4	14.8	9.33	7.74	5.91	4.65	3.82	3.56	3.45	3.02	2.31	1.68	1.14	0.71	0.40	0.19	0.04	0.01
25	20.5	14.4	8.92	7.08	5.81	4.71	4.00	3.62	3.43	3.13	2.51	1.90	1.35	0.89	0.54	0.29	0.12	0.01
30	7.80	6.53	5.75	4.96	4.27	3.85	3.62	3.46	3.12	2.54	1.94	1.45	0.99	0.62	0.36	0.17	0.03	0.01
35	6.61	5.90	5.17	4.76	4.18	3.83	3.57	3.35	3.03	2.56	2.02	1.53	1.11	0.74	0.46	0.25	0.10	0.01
40	4.66	4.31	4.09	3.85	3.63	3.47	3.26	2.88	2.42	1.92	1.48	1.11	0.77	0.50	0.29	0.14	0.03	0.01
45	4.26	4.01	3.82	3.63	3.41	3.18	2.94	2.63	2.25	1.84	1.46	1.13	0.83	0.57	0.36	0.20	0.09	0.01
50	3.55	3.46	3.32	3.14	2.90	2.60	2.27	1.93	1.60	1.30	1.04	0.79	0.56	0.37	0.22	0.11	0.02	0.01
55	2.79	2.72	2.64	2.50	2.34	2.13	1.89	1.64	1.39	1.16	0.95	0.75	0.57	0.40	0.26	0.15	0.06	0.01
60	1.95	1.89	1.79	1.67	1.53	1.37	1.20	1.04	0.90	0.76	0.63	0.49	0.36	0.25	0.15	0.08	0.02	0.01
65	1.44	1.41	1.36	1.29	1.19	1.09	0.96	0.84	0.73	0.63	0.53	0.43	0.33	0.24	0.16	0.09	0.04	0.01
70	0.90	0.88	0.85	0.80	0.73	0.65	0.58	0.51	0.45	0.38	0.32	0.26	0.19	0.13	0.09	0.05	0.01	0.01
75	0.58	0.57	0.55	0.53	0.49	0.45	0.40	0.36	0.32	0.28	0.24	0.20	0.15	0.11	0.08	0.05	0.02	0.01
80	0.24	0.23	0.23	0.22	0.21	0.19	0.17	0.16	0.14	0.12	0.10	0.09	0.07	0.05	0.03	0.02	0.01	0.01
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(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 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: