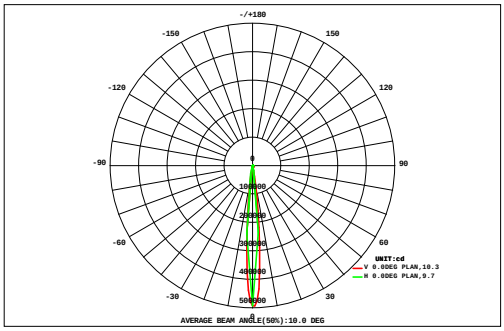
Floodlight Summary:

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:220.2V I:1.109A P:238.6W PF:0.9770 Freq:49.89Hz Lamp Flux:27597x1 lm		
NAME: ITSP4240104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:115.65lm/W	
MODEL		Imax(cd)	493206
NOMINAL POWER(W)	240	AVAILABILITY(%)	74.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	20667
NOMINAL FLUX(lm)	27597	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	27597
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	0.01	0.12	0.36	0.76	1.31	1.98	2.75	3.42	3.87	3.95	3.64	3.07	2.29	1.58	0.96	0.46	0.15	0.02	30.7	0.00
70	0.02	0.21	0.74	1.72	3.04	4.76	6.78	8.59	9.78	9.89	9.05	7.40	5.37	3.54	2.08	0.95	0.28	0.03	74.2	0.00
60	0.04	0.34	1.30	3.08	5.68	9.35	13.4	16.8	19.0	19.2	17.5	14.4	10.5	6.67	3.71	1.62	0.46	0.05	143	0.00
50	0.04	0.49	1.93	4.82	9.46	15.8	21.7	26.3	30.6	30.5	26.8	22.2	16.8	10.9	5.75	2.38	0.64	0.06	227	0.00
40	0.05	0.63	2.58	6.75	13.5	20.8	26.4	33.7	42.5	43.9	34.8	27.0	21.0	14.8	7.90	3.17	0.81	0.07	300	0.00
30	0.06	0.75	3.18	8.52	16.5	22.7	32.2	50.0	94.2	120	60.6	35.7	23.3	17.0	9.83	3.87	0.95	0.09	500	0.00
20	0.07	0.84	3.63	9.81	17.7	24.3	44.3	102	438	676	166	52.6	26.3	17.7	11.0	4.31	1.05	0.09	1595	128
10	0.07	0.89	3.83	10.4	17.7	26.1	59.5	220	2569	5159	493	69.8	29.0	17.5	11.4	4.52	1.10	0.10	8693	7304
0	0.07	0.89	3.83	10.3	17.4	26.8	72.6	332	6308	6857	443	68.2	28.3	17.3	11.3	4.46	1.08	0.09	14202	13235
-10	0.07	0.83	3.56	9.60	16.9	24.0	42.1	113	199	232	103	44.0	24.7	17.3	10.6	4.14	1.01	0.09	846	0.00
-20	0.06	0.74	3.13	8.33	15.5	21.5	32.0	43.3	41.7	39.9	34.9	31.9	21.7	16.5	9.24	3.59	0.87	0.08	325	0.00
-30	0.05	0.61	2.53	6.62	12.9	18.8	23.3	27.8	27.4	24.5	26.9	23.0	19.5	14.1	7.29	2.88	0.72	0.06	239	0.00
-40	0.04	0.48	1.88	4.73	9.18	14.8	19.0	21.4	22.5	22.5	21.7	19.7	15.9	10.1	5.15	2.09	0.54	0.05	192	0.00
-50	0.03	0.33	1.24	2.97	5.53	9.07	13.0	16.3	18.2	18.4	16.9	13.9	9.80	5.91	3.20	1.36	0.37	0.03	137	0.00
-60	0.03	0.21	0.72	1.62	2.81	4.27	5.99	7.69	8.75	8.83	7.91	6.32	4.50	2.91	1.69	0.76	0.21	0.02	65.2	0.00
-70	0.02	0.13	0.35	0.71	1.17	1.71	2.38	2.95	3.25	3.27	2.98	2.43	1.76	1.20	0.72	0.34	0.12	0.02	25.5	0.00
-80	0.02	0.06	0.11	0.15	0.20	0.25	0.28	0.31	0.35	0.34	0.28	0.24	0.20	0.15	0.11	0.08	0.04	0.02	3.19	0.00
-90																				
F t	0.77	8.54	34.9	90.8	166	247	418	1025	9836	13269	1469	442	261	175	102	41.0	10.4	0.97	27597	---
F a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.0	8428	11796	370	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	20667

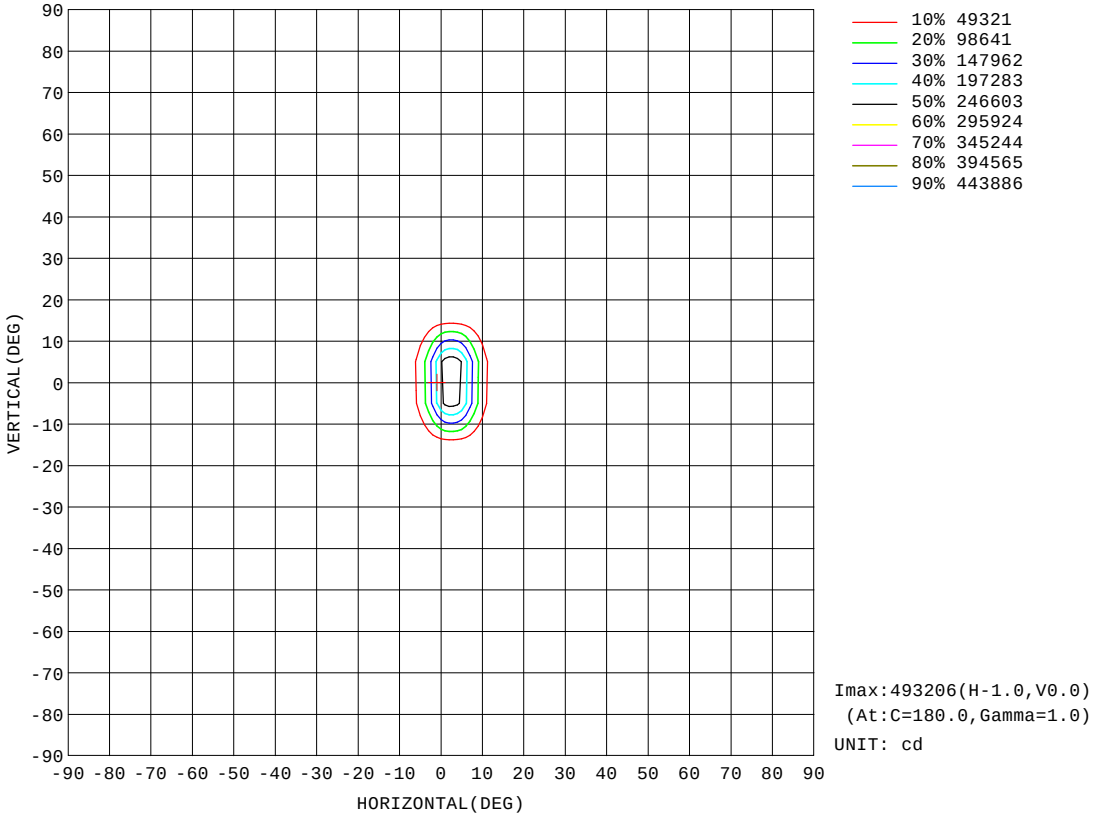
one-half-peak spread: U:4.8,D:5.0 , L:4.6,R:5.8 **NEMA Beam Type: Type 2**

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:220.2V I:1.109A P:238.6W PF:0.9770 Freq:49.89Hz Lamp Flux:27597x1 lm		
NAME: ITSP4240104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

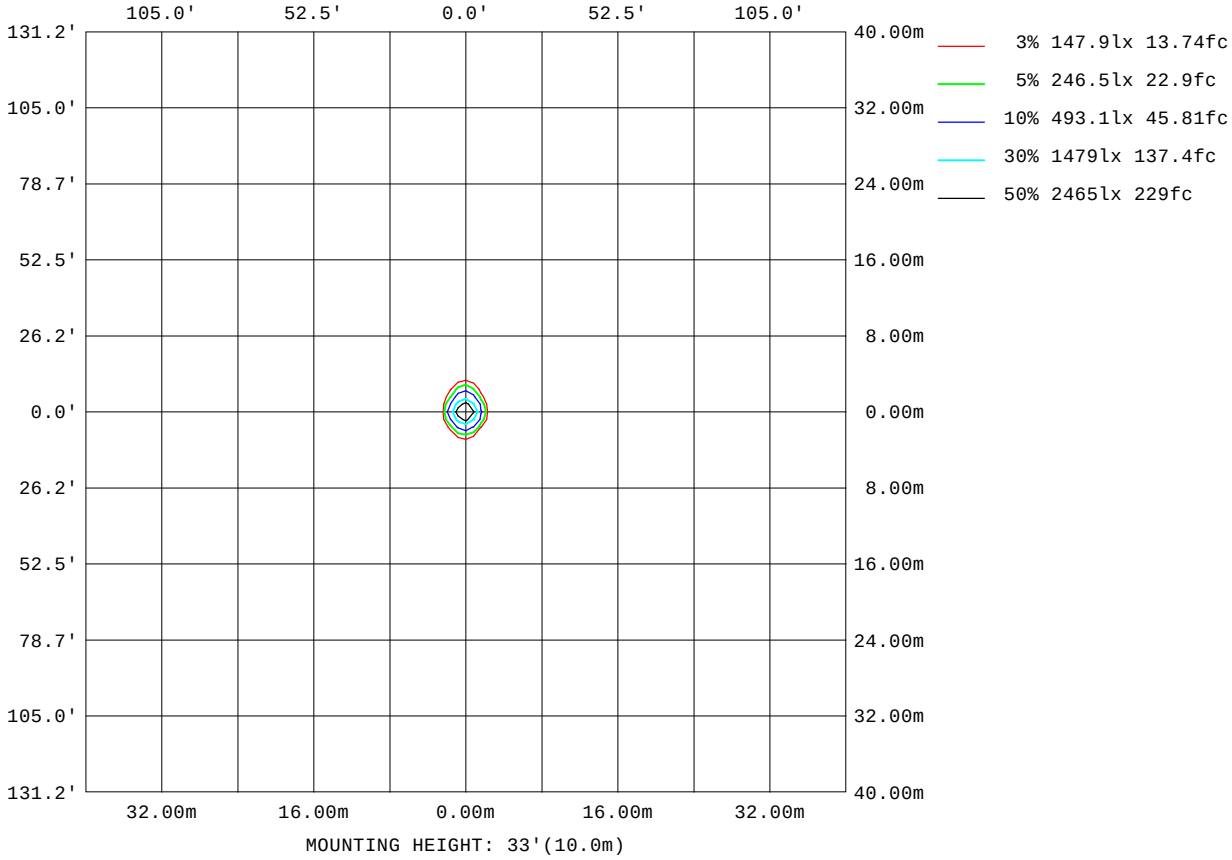


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 February 2023

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

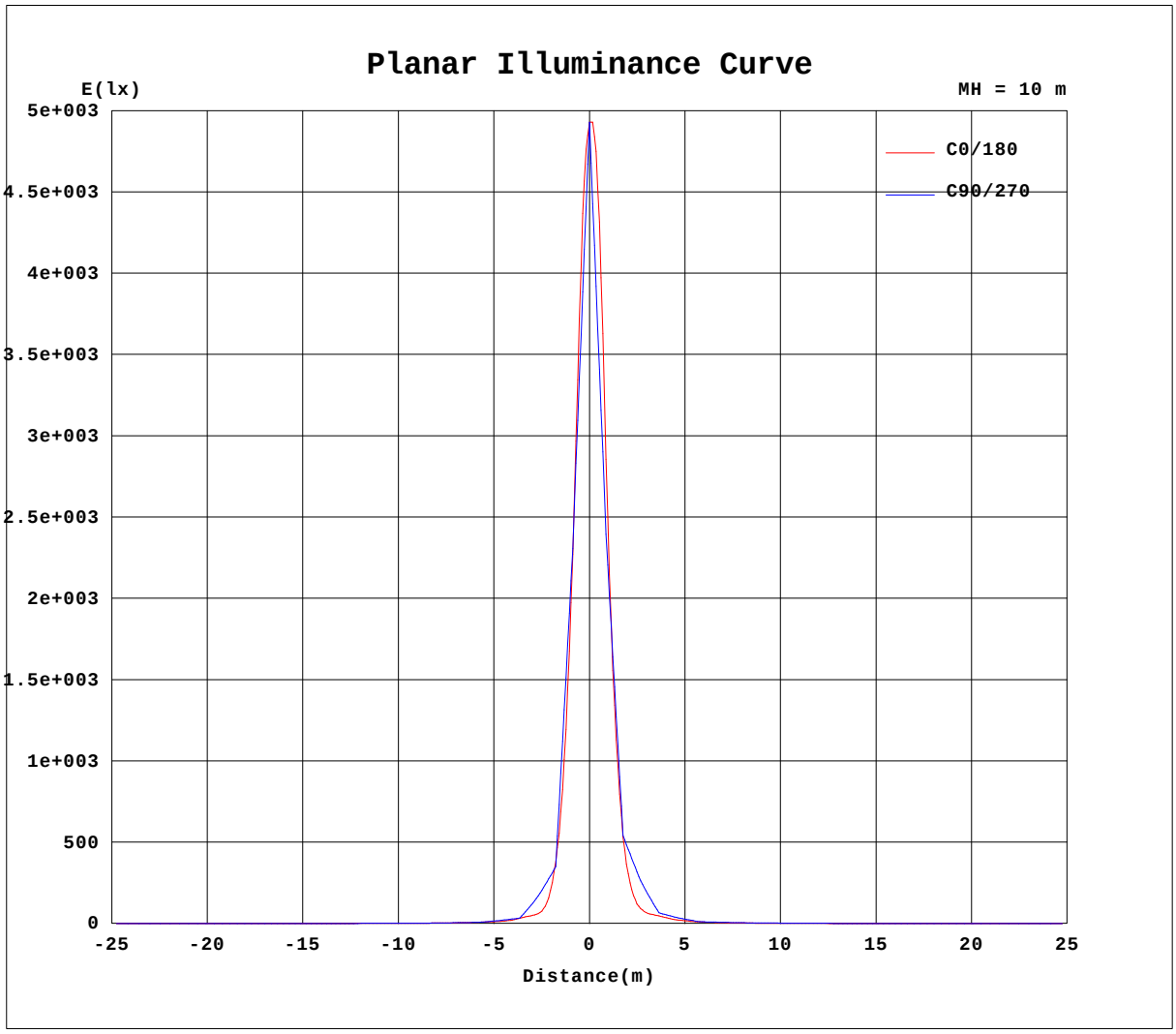
Test:U:220.2V I:1.109A P:238.6W PF:0.9770 Freq:49.89Hz Lamp Flux:27597x1 lm		
NAME: ITSP4240104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



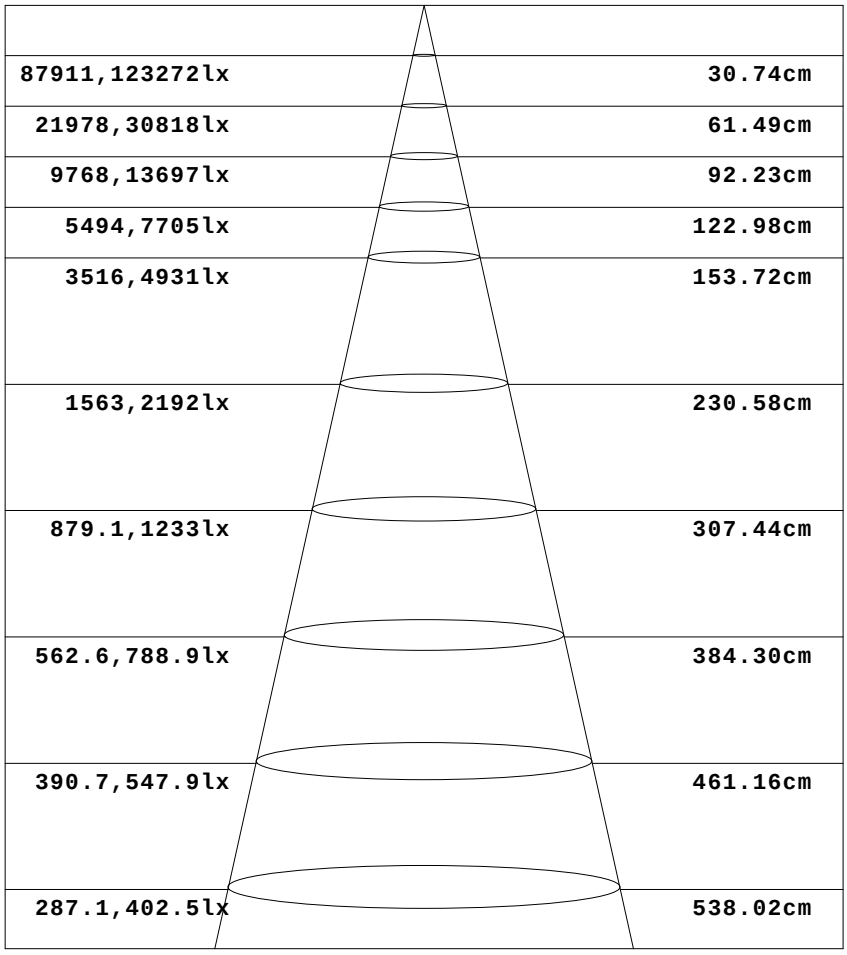
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 February 2023

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:220.2V I:1.109A P:238.6W PF:0.9770 Freq:49.89Hz Lamp Flux:27597x1 lm		
NAME: ITSP4240104000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:6843 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:16 February 2023	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:1.109A P:238.6W PF:0.9770 Freq:49.89Hz Lamp Flux:27597x1 lm		
NAME: ITSP4240104000	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	0.10	0.10	0.12	0.16	0.17	0.20	0.22	0.25	0.28	0.31	0.34	0.37	0.40	0.44	0.46	0.49	0.52	0.55	0.56
-75	0.06	0.07	0.10	0.15	0.20	0.25	0.32	0.40	0.48	0.55	0.63	0.71	0.80	0.90	0.99	1.08	1.14	1.18	1.21
-70	0.03	0.06	0.13	0.20	0.28	0.39	0.51	0.64	0.76	0.89	1.02	1.16	1.32	1.48	1.64	1.73	1.81	1.86	1.88
-65	0.02	0.02	0.12	0.21	0.32	0.47	0.66	0.86	1.07	1.27	1.48	1.71	1.96	2.21	2.46	2.68	2.85	2.98	3.03
-60	0.02	0.10	0.21	0.35	0.54	0.78	1.05	1.32	1.61	1.89	2.21	2.56	2.90	3.24	3.58	3.84	4.08	4.17	4.25
-55	0.02	0.02	0.16	0.31	0.53	0.81	1.16	1.54	1.96	2.39	2.88	3.42	3.96	4.45	4.89	5.25	5.53	5.72	5.80
-50	0.01	0.13	0.29	0.53	0.85	1.25	1.73	2.26	2.81	3.46	4.19	4.94	5.60	6.19	6.67	6.99	7.25	7.37	7.45
-45	0.02	0.03	0.21	0.44	0.77	1.21	1.77	2.41	3.12	3.90	4.78	5.62	6.32	6.79	7.15	7.46	7.72	7.87	7.92
-40	0.02	0.17	0.39	0.73	1.20	1.81	2.59	3.40	4.33	5.39	6.40	7.20	7.66	7.80	8.01	8.28	8.39	8.42	8.44
-35	0.01	0.03	0.26	0.57	1.01	1.62	2.43	3.36	4.40	5.56	6.63	7.36	7.89	8.37	8.92	9.82	10.4	10.7	10.9
-30	0.01	0.19	0.47	0.90	1.51	2.35	3.41	4.53	5.82	7.10	7.85	8.16	8.71	9.51	10.9	12.1	12.7	13.3	13.5
-25	0.01	0.03	0.30	0.68	1.23	2.00	3.02	4.24	5.56	6.94	7.79	8.28	8.99	10.4	12.9	15.6	17.5	22.3	27.1
-20	0.01	0.21	0.55	1.07	1.81	2.82	4.11	5.48	7.01	8.01	8.37	9.05	10.9	13.9	18.5	21.0	27.2	38.0	42.3
-15	0.02	0.04	0.34	0.77	1.40	2.29	3.46	4.91	6.44	7.78	8.17	8.84	10.5	13.8	18.4	30.7	45.5	100.0	189
-10	0.02	0.23	0.60	1.17	2.00	3.12	4.51	6.13	7.72	8.16	8.63	10.3	13.7	18.6	30.1	58.2	112	273	367
-5	0.02	0.04	0.36	0.82	1.50	2.47	3.72	5.25	6.95	8.10	8.26	9.29	12.3	18.7	30.3	54.3	127	667	2335
0	0.02	0.24	0.63	1.23	2.10	3.25	4.74	6.39	7.93	8.18	8.85	11.3	17.7	30.5	58.2	103	558	2888	4931
5	0.02	0.04	0.36	0.83	1.52	2.49	3.75	5.31	7.03	8.18	8.38	9.41	12.6	19.2	31.0	57.0	136	707	2422
10	0.02	0.23	0.61	1.19	2.03	3.18	4.61	6.28	7.87	8.38	8.87	10.6	14.4	19.6	34.3	65.3	163	409	568
15	0.02	0.04	0.35	0.79	1.44	2.35	3.56	5.05	6.65	8.00	8.47	9.18	11.1	14.7	19.9	34.1	56.7	151	294
20	0.02	0.23	0.58	1.11	1.87	2.92	4.26	5.70	7.30	8.31	8.79	9.62	11.8	15.2	19.8	24.2	41.0	68.9	81.3
25	0.02	0.04	0.32	0.71	1.29	2.09	3.15	4.41	5.82	7.26	8.19	8.81	9.71	11.4	14.1	17.2	21.4	34.0	48.1
30	0.02	0.20	0.50	0.96	1.60	2.47	3.56	4.75	6.14	7.48	8.36	8.87	9.51	10.4	12.4	13.8	15.3	17.6	19.6
35	0.02	0.04	0.28	0.61	1.08	1.72	2.56	3.52	4.64	5.89	7.06	7.96	8.63	9.28	10.1	11.4	12.4	14.0	15.4
40	0.02	0.18	0.42	0.78	1.29	1.93	2.72	3.60	4.59	5.77	6.92	7.90	8.50	8.97	9.42	10.2	11.4	12.3	12.0
45	0.02	0.04	0.24	0.48	0.84	1.31	1.91	2.56	3.31	4.17	5.15	6.12	6.94	7.59	8.11	8.63	9.31	10.1	10.4
50	0.02	0.15	0.32	0.58	0.93	1.37	1.88	2.42	3.01	3.74	4.57	5.41	6.17	6.86	7.40	7.84	8.20	8.43	8.53
55	0.02	0.03	0.19	0.35	0.59	0.90	1.28	1.68	2.11	2.58	3.13	3.75	4.35	4.91	5.41	5.81	6.18	6.42	6.57
60	0.02	0.12	0.23	0.39	0.61	0.87	1.16	1.45	1.75	2.06	2.43	2.82	3.21	3.57	3.94	4.22	4.49	4.63	4.63
65	0.02	0.03	0.14	0.23	0.36	0.53	0.74	0.95	1.17	1.40	1.64	1.91	2.20	2.48	2.75	2.98	3.19	3.32	3.40
70	0.03	0.08	0.15	0.22	0.32	0.44	0.58	0.73	0.87	1.02	1.17	1.34	1.53	1.70	1.87	1.98	2.08	2.14	2.16
75	0.03	0.03	0.07	0.13	0.19	0.25	0.34	0.42	0.51	0.61	0.70	0.80	0.91	1.02	1.12	1.21	1.27	1.33	1.36
80	0.03	0.03	0.08	0.10	0.13	0.16	0.20	0.23	0.27	0.31	0.34	0.39	0.43	0.46	0.49	0.52	0.55	0.56	0.57
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: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:220.2V I:1.109A P:238.6W PF:0.9770 Freq:49.89Hz Lamp Flux:27597x1 lm		
NAME: ITSP4240104000	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	0.55	0.53	0.50	0.47	0.45	0.41	0.38	0.35	0.31	0.28	0.25	0.22	0.19	0.16	0.13	0.12	0.12	0.10
-75	1.22	1.20	1.16	1.10	1.02	0.93	0.83	0.74	0.65	0.57	0.49	0.41	0.33	0.25	0.19	0.13	0.09	0.08
-70	1.86	1.82	1.74	1.64	1.49	1.34	1.17	1.03	0.89	0.76	0.63	0.50	0.37	0.26	0.17	0.09	0.04	0.04
-65	3.04	3.01	2.89	2.72	2.53	2.29	2.04	1.77	1.53	1.30	1.09	0.88	0.67	0.48	0.32	0.19	0.08	0.03
-60	4.19	4.08	3.83	3.60	3.29	2.95	2.58	2.21	1.89	1.59	1.30	1.01	0.73	0.49	0.29	0.15	0.03	0.02
-55	5.83	5.75	5.58	5.31	4.99	4.57	4.09	3.54	2.98	2.46	2.01	1.58	1.18	0.82	0.52	0.29	0.12	0.02
-50	7.40	7.25	7.02	6.69	6.21	5.63	4.94	4.18	3.43	2.78	2.21	1.67	1.18	0.78	0.46	0.23	0.04	0.02
-45	7.94	7.89	7.78	7.56	7.27	6.92	6.43	5.77	4.93	4.02	3.18	2.44	1.80	1.21	0.76	0.42	0.17	0.02
-40	8.41	8.39	8.32	8.08	7.93	7.66	7.19	6.39	5.33	4.22	3.27	2.44	1.68	1.07	0.62	0.29	0.05	0.02
-35	10.9	10.6	10.3	9.85	9.02	8.46	7.96	7.50	6.76	5.69	4.45	3.37	2.45	1.63	0.99	0.54	0.22	0.02
-30	13.1	12.5	11.8	10.6	9.41	8.63	8.20	7.80	7.01	5.65	4.31	3.20	2.18	1.37	0.78	0.37	0.06	0.01
-25	27.3	22.2	17.2	15.3	12.8	10.4	9.03	8.31	7.81	7.03	5.62	4.23	3.03	1.99	1.20	0.64	0.26	0.02
-20	36.5	24.9	20.0	17.3	13.0	10.4	8.82	8.23	7.86	6.76	5.19	3.81	2.57	1.61	0.90	0.42	0.09	0.01
-15	187	102	46.2	30.1	17.7	13.4	10.4	8.75	8.07	7.72	6.46	4.88	3.47	2.28	1.37	0.73	0.29	0.02
-10	238	99.4	53.5	24.5	16.8	12.5	9.68	8.29	7.98	7.36	5.77	4.22	2.88	1.80	1.01	0.47	0.10	0.02
-5	2356	698	121	48.7	24.1	16.4	11.8	9.10	8.00	7.91	6.92	5.23	3.72	2.45	1.47	0.78	0.31	0.02
0	2297	400	68.5	40.6	20.3	14.5	10.2	8.28	7.87	7.63	6.01	4.41	2.98	1.86	1.04	0.49	0.11	0.02
5	2446	737	125	51.2	24.7	16.8	12.0	9.19	8.03	8.01	7.01	5.29	3.76	2.48	1.48	0.78	0.31	0.02
10	357	122	57.2	27.2	17.5	13.1	9.91	8.34	8.10	7.58	5.92	4.30	2.95	1.83	1.02	0.48	0.11	0.02
15	295	151	53.7	33.3	18.8	14.2	10.8	8.89	8.19	7.99	6.70	5.05	3.58	2.35	1.41	0.75	0.30	0.02
20	62.2	35.0	22.0	18.3	13.9	11.0	9.01	8.40	8.13	7.13	5.45	3.97	2.69	1.67	0.94	0.44	0.09	0.02
25	48.3	33.9	21.0	16.7	13.7	11.1	9.43	8.53	8.09	7.37	5.93	4.48	3.19	2.10	1.27	0.68	0.28	0.02
30	18.4	15.4	13.6	11.7	10.1	9.08	8.53	8.17	7.36	5.98	4.58	3.42	2.32	1.47	0.84	0.40	0.08	0.02
35	15.6	13.9	12.2	11.2	9.87	9.02	8.42	7.89	7.15	6.04	4.76	3.62	2.62	1.75	1.07	0.59	0.25	0.02
40	11.0	10.2	9.64	9.09	8.57	8.19	7.68	6.80	5.70	4.53	3.49	2.63	1.82	1.18	0.69	0.33	0.07	0.02
45	10.1	9.45	9.00	8.56	8.03	7.49	6.93	6.21	5.31	4.35	3.45	2.66	1.96	1.34	0.84	0.47	0.20	0.02
50	8.38	8.17	7.83	7.40	6.84	6.13	5.36	4.56	3.76	3.06	2.44	1.86	1.32	0.88	0.53	0.26	0.05	0.02
55	6.57	6.42	6.22	5.89	5.51	5.02	4.45	3.86	3.27	2.73	2.24	1.77	1.34	0.93	0.61	0.35	0.15	0.03
60	4.60	4.46	4.23	3.94	3.62	3.24	2.84	2.45	2.11	1.80	1.48	1.16	0.85	0.58	0.35	0.18	0.04	0.03
65	3.39	3.33	3.21	3.04	2.82	2.56	2.27	1.99	1.73	1.49	1.26	1.02	0.79	0.56	0.38	0.22	0.10	0.03
70	2.13	2.07	2.00	1.88	1.72	1.54	1.36	1.21	1.06	0.91	0.76	0.60	0.45	0.32	0.21	0.11	0.03	0.03
75	1.36	1.34	1.30	1.24	1.16	1.06	0.95	0.85	0.75	0.66	0.56	0.46	0.37	0.27	0.19	0.11	0.06	0.03
80	0.57	0.55	0.53	0.51	0.49	0.45	0.41	0.37	0.33	0.29	0.25	0.21	0.16	0.12	0.08	0.05	0.03	0.03
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: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: