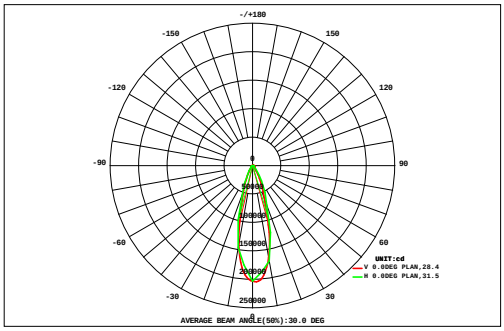
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		2604.2 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	64.6V x 58.1H
	At 50% of Imax	31.6V x 28.4H
	At 90% of Imax	10.5V x 13.0H
Beam Flux	Total	999.1 lumens per klm.
	To 10% of Imax	785.2 lumens per klm.
	To 50% of Imax	390.7 lumens per klm.
	To 90% of Imax	62.4 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.2V I:2.330A P:506.3W PF:0.9823 Freq:49.89Hz Lamp Flux:78380x1 lm		
NAME: ITSP2500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:154.82lm/W	
MODEL		Imax(cd)	204116
NOMINAL POWER(W)	500	AVAILABILITY(%)	78.6
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	61642
NOMINAL FLUX(lm)	78380	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	78380
TEST VOLTAGE(V)	220	q @50%(H,V)	28,32DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL(DEG) 10	15	20	25	30	35	40	45	F t	F a
45	11.5	13.8	16.2	18.8	22.3	26.3	30.3	34.2	36.9	37.6	35.8	32.1	27.6	23.5	20.2	17.6	15.1	12.4	432	0.00
40	13.4	16.4	19.3	22.8	27.6	32.9	38.5	43.4	46.0	45.1	41.0	34.9	28.7	23.9	20.9	18.4	15.4	12.4	501	0.00
35	13.6	16.3	20.6	28.3	41.8	59.0	77.6	95.5	108	110	101	83.3	62.6	44.2	30.7	22.0	17.7	15.0	947	0.00
30	16.1	19.6	27.0	42.6	66.1	93.0	121	145	156	151	130	99.6	69.9	46.4	29.9	20.8	17.4	15.1	1267	217
25	16.0	21.3	34.6	58.1	96.3	153	218	278	317	323	295	241	174	110	64.9	37.0	22.3	16.7	2477	1921
20	19.3	31.6	59.2	102	169	259	351	422	453	434	373	285	189	111	61.3	33.4	20.3	16.4	3389	2908
15	19.0	30.6	56.9	105	185	299	461	702	892	923	789	547	360	228	127	65.4	33.1	19.5	5842	5430
-15	26.9	53.8	102	187	318	489	770	1125	1292	1207	892	548	351	209	107	52.7	26.7	18.1	7775	7401
-20	21.3	38.2	73.9	139	248	416	725	1106	1384	1450	1322	945	537	322	181	88.8	43.0	22.4	9063	8699
-25	33.0	66.2	126	233	391	683	1195	1550	1673	1599	1305	802	422	247	124	59.4	29.1	18.8	10557	10211
-30	20.1	35.8	68.1	129	232	363	611	1019	1304	1364	1241	909	529	321	182	90.4	44.1	22.6	8486	8117
-35	29.1	55.7	104	193	320	496	801	1128	1241	1158	863	492	322	198	100	50.4	25.3	17.7	7594	7223
-40	17.6	27.6	49.4	88.5	159	253	366	546	703	756	710	554	356	227	132	69.3	35.4	20.3	5070	4655
-45	22.2	37.8	65.7	113	185	275	356	383	382	349	290	235	170	100	56.0	30.9	18.6	16.5	3085	2551
	15.8	20.6	32.0	52.0	84.3	132	192	257	307	325	303	249	183	123	75.4	43.3	25.9	18.3	2439	1857
	17.7	24.0	36.7	55.0	78.8	108	139	163	167	153	123	89.4	63.3	44.4	28.6	19.4	17.9	16.0	1344	440
	14.3	17.6	22.3	30.5	43.2	60.3	80.3	102	119	125	119	101	77.3	55.8	39.8	27.9	20.6	16.3	1071	12.4
	15.1	19.0	22.7	28.1	35.6	42.3	46.2	46.7	44.8	40.9	36.2	31.0	25.0	20.6	19.6	19.3	16.9	13.6	523	0.00
F t	342	546	937	1625	2703	4238	6578	9146	10626	10550	8968	6280	3948	2455	1401	767	445	308	71862	---
F a	0.00	0.00	82.9	754	2132	3688	6066	8681	10160	10059	8428	5786	3516	1772	518	0.00	0.00	0.00	---	61642

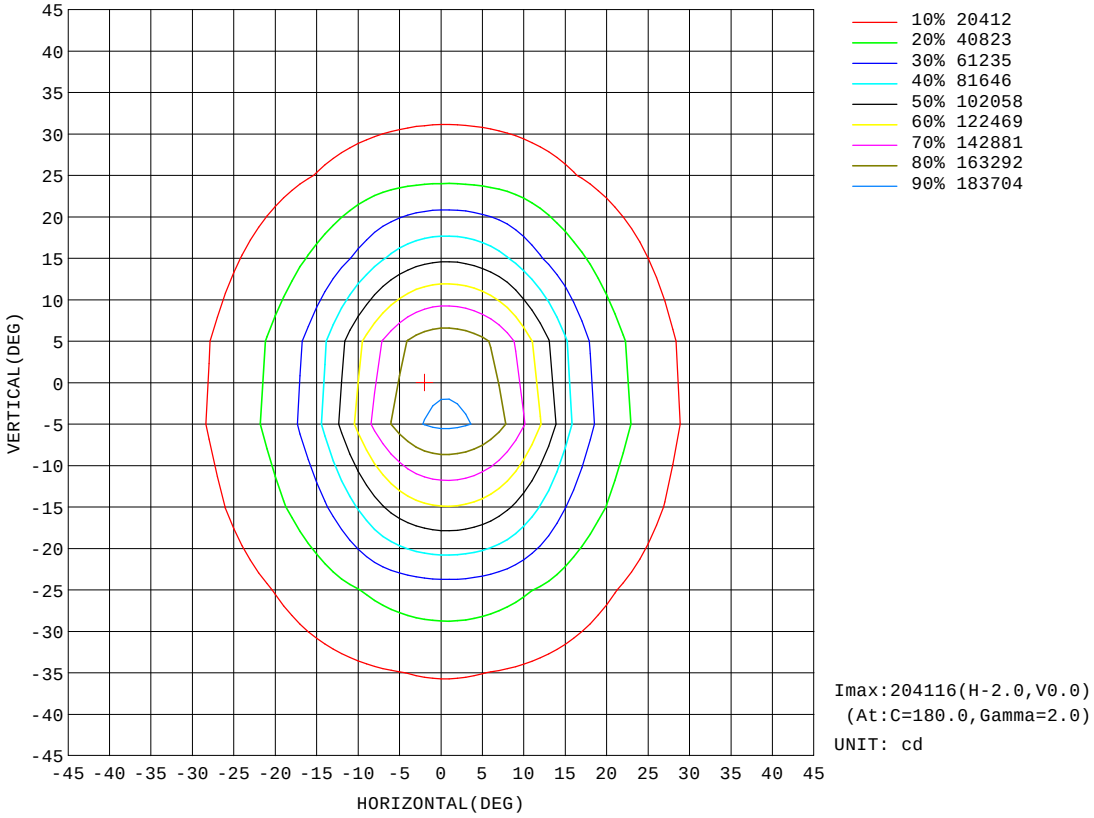
one-half-peak spread: U:16.9,D:14.8 , L:13.6,R:15.0 NEMA Beam Type: Type 4

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:11.900m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:221.2V I:2.330A P:506.3W PF:0.9823 Freq:49.89Hz Lamp Flux:78380x1 lm		
NAME: ITSP2500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

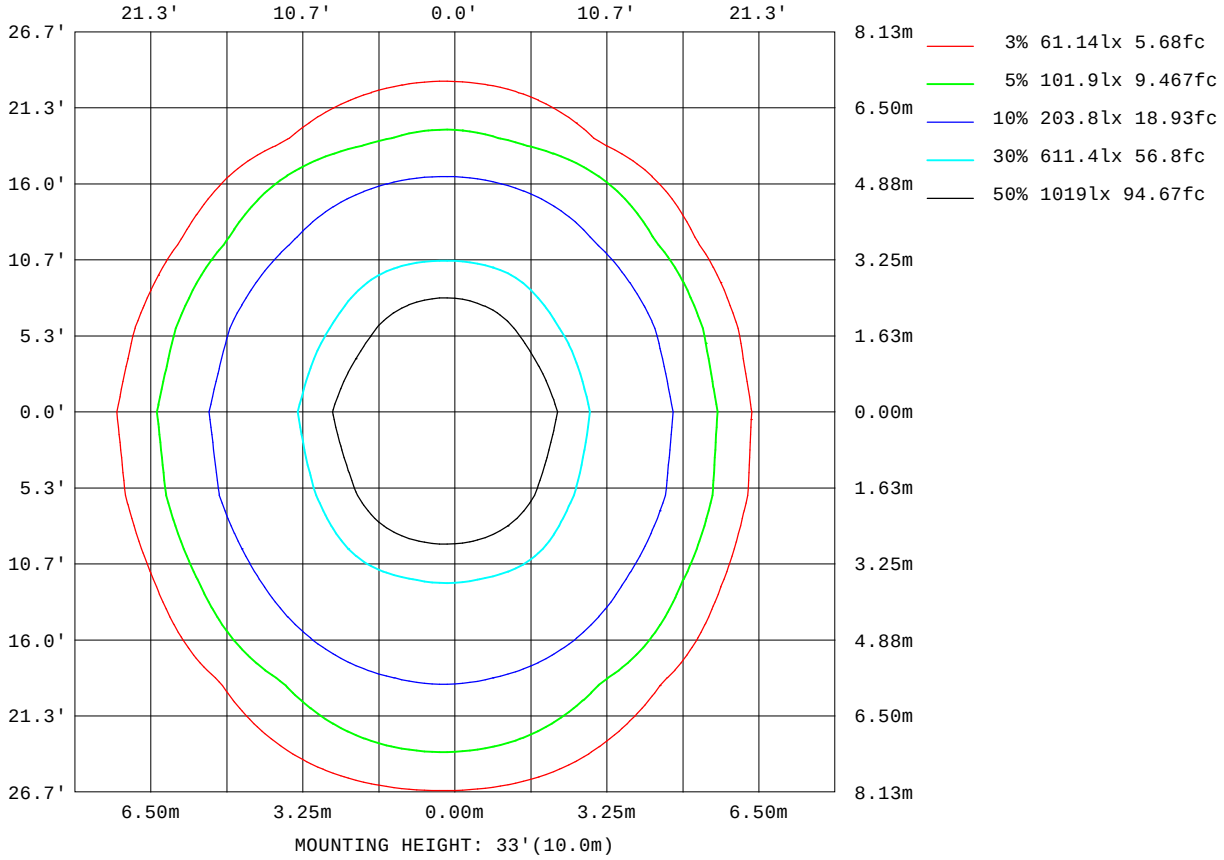


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 September 2019

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:11.900m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

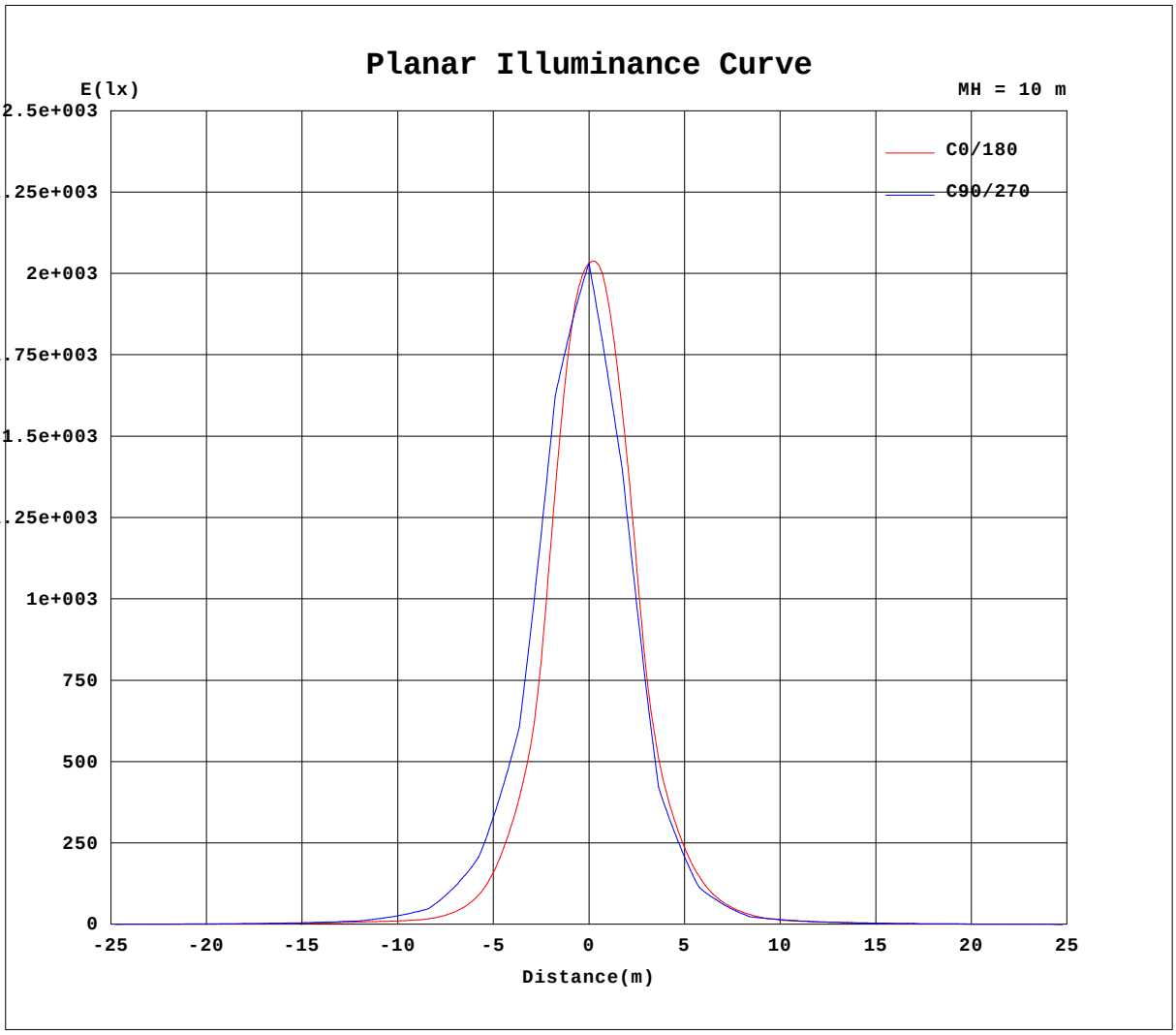
Test:U:221.2V I:2.330A P:506.3W PF:0.9823 Freq:49.89Hz Lamp Flux:78380x1 lm		
NAME: ITSP2500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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:11.900m [K=1.0000]
Remarks:

Planar Illuminance Curve

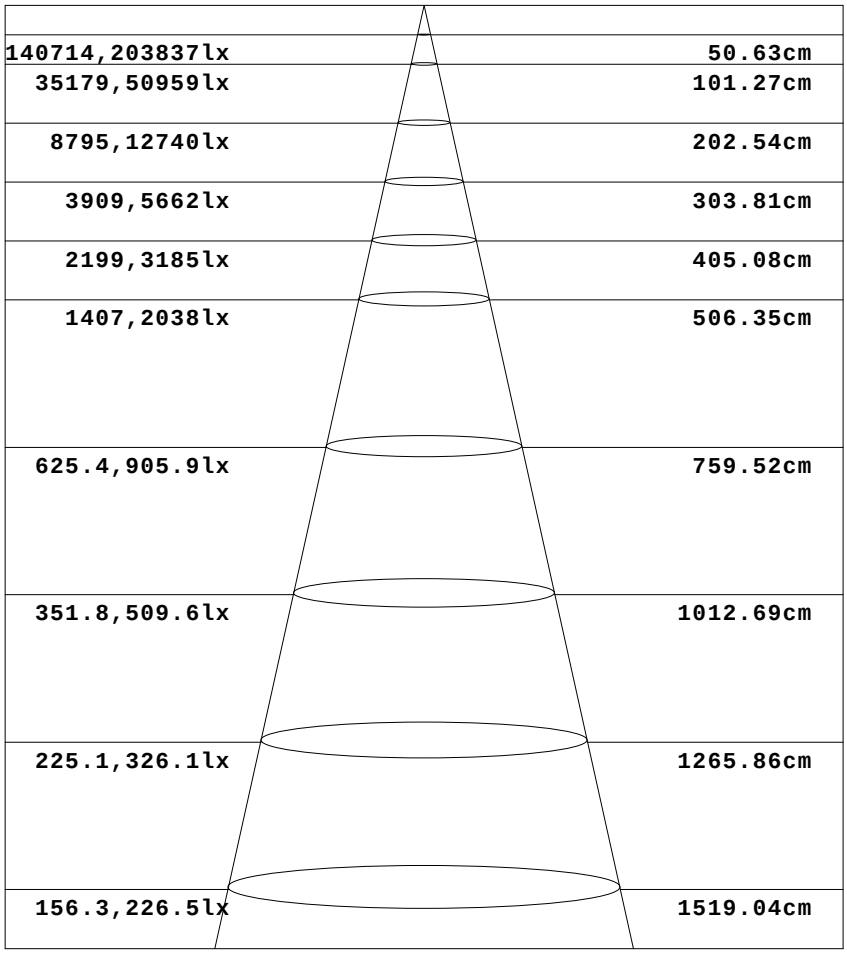


H(b) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(b) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Temperature:25.3DEG	Humidity:65.0%
Operators:DAMIN	Test Distance:11.900m [K=1.0000]
Test Date:18 September 2019	Remarks:

AAI Figure

Test:U:221.2V I:2.330A P:506.3W PF:0.9823 Freq:49.89Hz Lamp Flux:78380x1 lm		
NAME: ITSP2500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:29567 lm



Height Eavg,Emax Angle:28.41deg Diameter

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: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:11.900m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.2V I:2.330A P:506.3W PF:0.9823 Freq:49.89Hz Lamp Flux:78380x1 lm		
NAME: ITSP2500304000	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	3.14	3.25	4.27	5.28	5.95	6.67	7.44	8.14	8.76	9.52	10.1	10.7	11.6	12.0	12.3	12.4	12.6	12.9	12.9
-75	3.08	3.43	4.29	5.83	6.93	8.16	9.49	10.5	11.3	12.2	13.0	13.6	14.3	15.0	15.4	15.7	16.0	16.4	16.5
-70	3.38	3.87	5.54	7.30	8.89	10.7	12.4	13.5	14.5	15.5	16.4	17.0	17.6	18.3	18.9	19.3	19.7	20.0	20.0
-65	3.19	3.67	5.16	7.53	9.45	11.5	13.2	14.6	15.8	16.9	18.0	18.9	19.7	20.6	21.4	22.2	22.9	23.4	23.6
-60	3.39	4.21	6.70	9.31	11.9	13.6	15.1	16.6	18.0	19.3	20.5	21.5	22.5	23.6	24.6	25.6	26.5	27.0	27.2
-55	3.07	3.69	5.90	9.04	11.6	13.8	15.5	17.2	18.7	20.0	21.6	23.3	25.4	27.7	30.0	32.2	34.1	35.4	35.9
-50	3.13	4.41	7.74	11.0	13.2	15.3	17.2	19.0	20.4	22.0	24.0	26.7	30.1	33.8	37.3	40.4	42.9	44.4	44.5
-45	2.66	3.48	6.55	10.3	12.8	15.0	17.1	18.8	20.5	22.5	25.3	29.0	33.6	40.6	49.7	59.2	67.9	74.4	77.0
-40	2.52	4.41	8.59	12.0	14.2	16.5	18.4	20.0	22.0	25.0	29.5	34.6	42.1	54.4	69.8	85.3	98.7	108	109
-35	1.96	3.13	7.06	11.1	13.4	16.0	18.0	19.8	22.1	25.4	29.8	37.2	50.6	71.2	99.8	134	171	201	214
-30	1.87	4.49	8.99	12.2	14.9	17.2	19.1	21.2	24.7	28.9	34.9	49.0	73.8	109	156	213	270	310	318
-25	1.34	2.95	7.44	11.5	14.2	16.9	18.8	21.1	24.8	28.7	35.9	52.9	84.6	136	210	303	404	487	526
-20	1.51	5.03	9.49	12.7	15.8	18.1	20.2	23.6	28.1	32.7	47.4	78.3	131	216	334	474	612	708	731
-15	1.07	3.10	7.68	11.8	14.8	17.6	19.7	22.9	27.9	32.0	44.9	76.6	132	228	367	548	831	1108	1219
-10	1.30	5.06	9.76	13.0	16.3	18.8	21.3	26.1	30.6	38.0	63.0	112	199	342	530	822	1301	1639	1701
-5	0.97	3.41	7.75	11.9	15.0	17.9	20.3	24.1	29.6	34.5	52.3	94.9	169	297	481	767	1274	1706	1873
0	1.21	4.95	9.88	13.1	16.4	18.9	21.7	26.9	31.5	40.2	70.2	127	226	387	617	1082	1642	1982	2032
5	0.82	3.45	7.55	11.7	14.8	17.7	20.0	23.7	29.2	33.8	49.4	90.0	160	280	455	723	1177	1581	1751
10	1.39	4.74	9.41	12.7	15.8	18.3	20.7	25.2	29.7	35.2	55.5	100	175	302	469	697	1070	1390	1456
15	0.74	3.26	7.11	11.2	14.1	16.9	19.0	21.8	26.7	30.3	38.6	63.7	111	188	302	450	656	884	986
20	1.56	4.49	8.72	11.9	14.9	17.2	19.2	22.1	26.5	29.5	36.7	59.1	98.8	158	245	347	439	499	509
25	0.92	3.09	6.49	10.5	13.1	15.7	17.6	19.6	23.0	26.3	30.0	39.4	60.2	94.0	145	209	273	322	344
30	1.63	4.20	7.84	10.9	13.5	15.9	17.6	19.4	22.4	25.5	28.3	33.5	44.8	66.4	93.7	123	151	171	175
35	1.13	2.91	5.77	9.61	11.8	14.3	16.3	17.8	19.7	22.3	25.0	28.3	33.8	44.2	59.6	76.4	93.9	108	115
40	1.72	3.94	6.83	10.1	12.1	14.4	16.2	17.5	19.1	21.1	24.0	26.8	29.5	33.7	38.8	44.2	49.8	53.8	55.0
45	1.25	2.69	5.10	8.24	10.6	12.6	14.6	16.1	17.5	19.0	20.9	23.1	25.4	28.3	31.9	35.6	39.3	42.4	43.9
50	1.74	3.49	5.67	8.57	10.6	12.3	14.3	15.9	17.1	18.3	19.6	21.2	23.3	25.7	28.1	30.0	31.5	32.6	32.9
55	1.30	2.39	4.40	6.54	8.98	10.9	12.4	14.0	15.4	16.6	17.7	18.9	20.4	21.9	23.6	25.0	26.3	27.2	27.7
60	1.72	2.82	4.65	6.58	9.08	10.6	11.8	13.4	14.7	15.7	16.8	17.8	18.7	19.5	20.3	21.1	21.8	22.4	22.5
65	1.36	2.12	3.55	5.03	6.76	8.60	10.1	11.4	12.6	13.6	14.5	15.3	16.1	16.8	17.5	18.1	18.7	19.3	19.6
70	1.72	2.21	3.74	4.82	6.15	7.83	9.45	10.3	11.3	12.3	13.0	13.5	14.1	14.7	15.3	15.7	16.1	16.5	16.6
75	1.47	1.90	2.64	3.74	4.59	5.67	6.91	7.71	8.38	9.15	9.84	10.3	10.9	11.5	11.9	12.1	12.4	12.7	12.9
80	1.74	1.81	2.57	3.31	3.85	4.46	5.07	5.58	6.04	6.61	7.13	7.64	8.23	8.61	8.76	8.76	8.97	9.15	9.13
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	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:11.900m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.2V I:2.330A P:506.3W PF:0.9823 Freq:49.89Hz Lamp Flux:78380x1 lm		
NAME: ITSP2500304000	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	12.7	12.4	12.0	11.9	11.5	10.9	10.0	9.40	8.72	8.06	7.49	6.85	6.12	5.44	4.87	3.88	3.14	3.14
-75	16.3	16.0	15.5	15.2	14.8	14.2	13.5	12.8	12.1	11.2	10.4	9.67	8.44	7.15	6.10	4.95	3.63	3.27
-70	19.7	19.2	18.7	18.2	17.6	17.0	16.3	15.6	14.8	13.7	12.8	11.7	9.69	7.94	6.58	4.88	3.55	3.29
-65	23.4	22.8	22.0	21.2	20.4	19.6	18.8	18.0	17.1	16.1	14.8	13.6	12.1	10.2	8.14	6.24	4.20	3.37
-60	26.7	25.8	24.7	23.6	22.6	21.7	20.7	19.7	18.6	17.4	15.9	14.4	13.1	10.7	8.21	5.82	3.79	3.27
-55	35.4	34.2	32.3	30.3	28.1	25.8	23.6	21.9	20.6	19.3	18.0	16.3	14.6	12.7	10.2	7.48	4.60	3.26
-50	43.3	41.1	38.3	35.2	31.7	28.1	25.1	23.0	21.5	20.2	18.8	16.9	14.8	12.9	10.0	6.74	3.85	3.01
-45	75.0	68.7	59.4	49.0	40.2	34.3	30.1	26.6	23.7	21.7	20.1	18.5	16.4	14.2	11.9	8.50	4.93	2.97
-40	103	89.3	72.1	55.0	43.5	36.8	32.1	27.8	24.2	21.8	20.2	18.5	16.3	13.8	11.3	7.47	3.85	2.51
-35	206	178	140	103	73.1	50.8	37.3	31.3	27.4	24.3	21.6	19.8	17.9	15.3	12.9	9.37	5.37	2.64
-30	291	237	177	125	83.4	51.5	36.7	31.4	28.1	24.3	21.4	19.6	17.6	14.8	12.3	7.97	3.92	2.08
-25	504	430	327	227	145	87.0	51.4	35.1	30.2	27.4	23.5	20.8	18.9	16.4	13.5	10.1	5.77	2.40
-20	669	544	393	258	155	88.7	48.9	33.6	30.0	27.6	23.0	20.5	18.5	15.7	12.7	8.38	4.36	1.88
-15	1162	935	617	405	251	140	74.9	41.7	32.0	29.7	25.9	22.0	19.8	17.3	14.1	10.6	5.92	2.26
-10	1512	1072	646	420	246	129	67.7	38.3	31.6	29.9	24.9	21.6	19.4	16.4	13.2	8.79	4.54	1.74
-5	1794	1444	896	534	329	176	90.7	47.6	33.3	30.7	27.4	22.7	20.3	17.8	14.4	10.8	5.86	2.25
0	1871	1397	784	470	273	140	72.2	40.1	32.0	30.2	25.3	21.7	19.5	16.4	13.1	8.63	4.38	1.52
5	1668	1322	836	504	308	165	85.5	45.7	32.6	30.2	26.9	22.4	20.1	17.5	14.1	10.4	5.61	2.35
10	1260	860	560	367	213	112	59.5	36.0	30.6	28.9	24.1	21.1	18.9	15.9	12.6	8.20	4.11	1.55
15	929	726	496	332	204	113	62.7	37.6	30.2	28.3	24.5	21.1	19.0	16.5	13.3	9.66	5.16	2.27
20	469	391	289	187	112	65.5	39.8	30.3	28.0	25.5	21.5	19.4	17.4	14.5	11.6	7.25	3.72	1.58
25	330	286	223	155	98.7	61.3	39.8	30.4	27.4	24.9	21.3	19.1	17.3	14.9	12.0	8.52	4.56	1.97
30	162	135	103	73.4	51.2	36.3	29.8	27.4	24.9	21.4	19.1	17.5	15.6	12.9	10.4	6.15	3.22	1.36
35	112	98.6	79.8	60.9	45.9	35.5	29.5	26.3	23.7	21.0	18.8	17.3	15.4	13.1	10.7	7.17	3.93	1.70
40	52.7	47.5	41.0	35.2	31.2	28.8	26.3	23.1	20.4	18.5	17.2	15.6	13.5	11.2	8.49	5.10	2.81	1.26
45	43.4	40.9	37.0	32.9	29.3	26.6	24.4	22.1	19.8	18.1	16.7	15.3	13.3	11.4	8.97	5.79	3.38	1.52
50	32.5	31.3	29.6	27.4	25.0	22.6	20.6	19.1	17.7	16.5	15.1	13.4	11.6	9.81	6.81	4.26	2.41	1.25
55	27.5	26.8	25.7	24.3	22.7	21.0	19.4	18.1	16.8	15.6	14.3	12.9	11.4	9.42	6.92	4.63	2.93	1.47
60	22.2	21.5	20.7	19.9	19.1	18.1	17.1	16.0	14.9	13.7	12.3	11.1	9.90	7.32	5.12	3.55	1.98	1.32
65	19.4	18.9	18.3	17.6	17.0	16.2	15.4	14.5	13.5	12.5	11.4	10.2	8.72	6.84	5.05	3.66	2.38	1.49
70	16.3	15.8	15.3	14.8	14.3	13.6	13.1	12.2	11.3	10.5	9.51	7.94	6.36	4.90	3.78	2.85	1.68	1.43
75	12.8	12.4	12.0	11.7	11.3	10.8	10.2	9.56	8.80	8.12	7.42	6.56	5.39	4.33	3.48	2.73	1.81	1.53
80	8.95	8.70	8.47	8.29	7.91	7.43	6.83	6.32	5.74	5.21	4.71	4.18	3.59	3.04	2.61	1.93	1.52	1.52
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
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:11.900m [K=1.0000]
Remarks: