

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	531.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	4.0 degrees horizontal

Beam Spread	At 10% of Imax	103.6V x 104.0H
	At 50% of Imax	90.6V x 91.3H
	At 90% of Imax	62.9V x 65.3H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	932.9 lumens per klm.
	To 50% of Imax	853.8 lumens per klm.
	To 90% of Imax	488.5 lumens per klm.

Upward LOR	2.2 %
Downward LOR	97.8 %

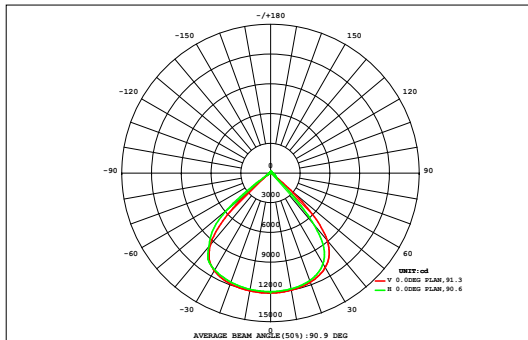
Luminaire Efficiency (Light Output Ratio)	100.0 %
---	---------

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2024-12-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.250m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:218.50V I:0.6931A P:148.57W PF:0.9810 Freq:49.99Hz Lamp Flux:22765.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:153.23lm/W	
MODEL		Imax(cd)	12104
NOMINAL POWER(W)	150	AVAILABILITY(%)	93.4
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	21256
NOMINAL FLUX(lm)	22765.6	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	22766
TEST VOLTAGE(V)	220	θ @50%(H,V)	91,91DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.11	0.34	0.58	0.83	1.11	1.39	1.65	1.87	2.02	2.07	2.02	1.88	1.67	1.41	1.11	0.80	0.48	0.16	21.5	0.00
90	0.11	0.34	0.58	0.83	1.11	1.39	1.65	1.87	2.02	2.07	2.02	1.88	1.67	1.41	1.11	0.80	0.48	0.16	21.5	0.00
80	0.11	0.38	0.77	1.37	2.15	3.01	3.85	4.55	5.02	5.12	4.83	4.25	3.48	2.62	1.79	1.10	0.56	0.17	45.1	0.00
70	0.12	0.46	1.16	2.31	3.80	5.60	7.48	9.15	10.3	10.5	9.76	8.33	6.50	4.58	2.89	1.57	0.69	0.18	85.4	0.00
60	0.12	0.58	1.66	3.41	6.00	9.68	18.8	39.3	60.9	61.2	40.1	20.2	11.2	7.35	4.34	2.17	0.85	0.19	288	172
50	0.13	0.72	2.14	4.70	9.85	38.9	118	195	237	238	198	120	40.7	11.8	6.08	2.85	1.02	0.21	1225	1167
40	0.14	0.85	2.62	6.21	28.7	131	235	295	322	323	299	242	136	30.6	8.05	3.56	1.19	0.22	2064	2024
30	0.15	0.96	3.04	8.80	71.5	205	289	330	348	349	334	296	215	75.1	11.0	4.20	1.34	0.23	2542	2508
	0.15	1.03	3.34	12.5	111	241	308	342	358	359	345	314	251	118	14.7	4.70	1.46	0.24	2786	2756
	0.15	1.06	3.48	14.8	130	253	314	348	363	364	351	321	264	140	17.0	4.99	1.52	0.24	2890	2861
	0.15	1.06	3.47	13.6	124	250	313	347	362	363	350	319	261	134	15.8	4.97	1.52	0.24	2865	2835
	0.15	1.02	3.31	10.2	93.4	228	302	339	355	356	342	308	239	101	12.4	4.67	1.45	0.24	2697	2665
	0.15	0.95	2.99	7.51	47.1	172	269	318	337	338	321	276	181	50.8	9.70	4.16	1.33	0.23	2338	2299
-30	0.14	0.84	2.57	5.91	15.7	74.5	174	246	277	278	250	180	79.3	17.7	7.74	3.51	1.18	0.22	1615	1563
-40	0.13	0.70	2.09	4.55	8.40	17.0	43.0	79.2	98.5	99.6	81.8	45.3	18.7	10.4	5.94	2.80	1.00	0.21	519	407
-50	0.12	0.56	1.59	3.30	5.74	8.75	12.0	15.2	16.7	17.0	16.0	13.4	10.3	7.10	4.22	2.11	0.83	0.19	135	0.00
-60	0.12	0.45	1.09	2.17	3.61	5.30	7.02	8.47	9.37	9.59	9.08	7.87	6.21	4.39	2.76	1.50	0.69	0.18	79.9	0.00
-70	0.12	0.38	0.75	1.27	1.94	2.69	3.43	4.05	4.42	4.52	4.32	3.84	3.16	2.41	1.69	1.08	0.57	0.17	40.8	0.00
-80	0.11	0.36	0.61	0.88	1.16	1.43	1.67	1.86	1.99	2.04	2.01	1.90	1.71	1.46	1.16	0.83	0.50	0.17	21.8	0.00
-90	0.11	0.36	0.61	0.88	1.16	1.43	1.67	1.86	1.99	2.04	2.01	1.90	1.71	1.46	1.16	0.83	0.50	0.17	21.8	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	2.38	12.7	37.3	104	666	1648	2420	2924	3169	3181	2960	2483	1729	721	128	51.6	18.2	3.71	22259	---
Φ a	0.00	0.00	0.00	16.1	593	1585	2358	2861	3104	3115	2894	2417	1658	637	18.0	0.00	0.00	0.00	---	21256

one-half-peak spread: U:41.1,D:43.6 , L:47.4,R:42.1

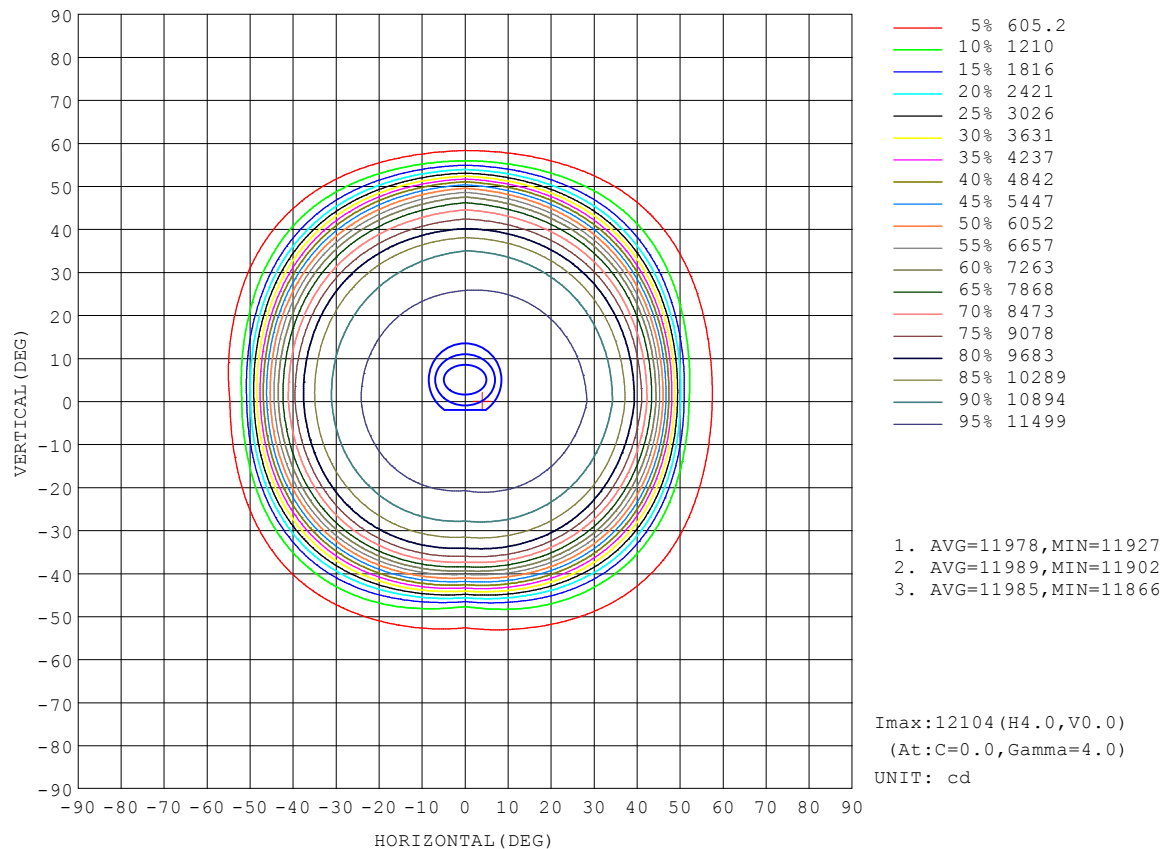
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-12-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:218.50V I:0.6931A P:148.57W PF:0.9810 Freq:49.99Hz Lamp Flux:22765.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

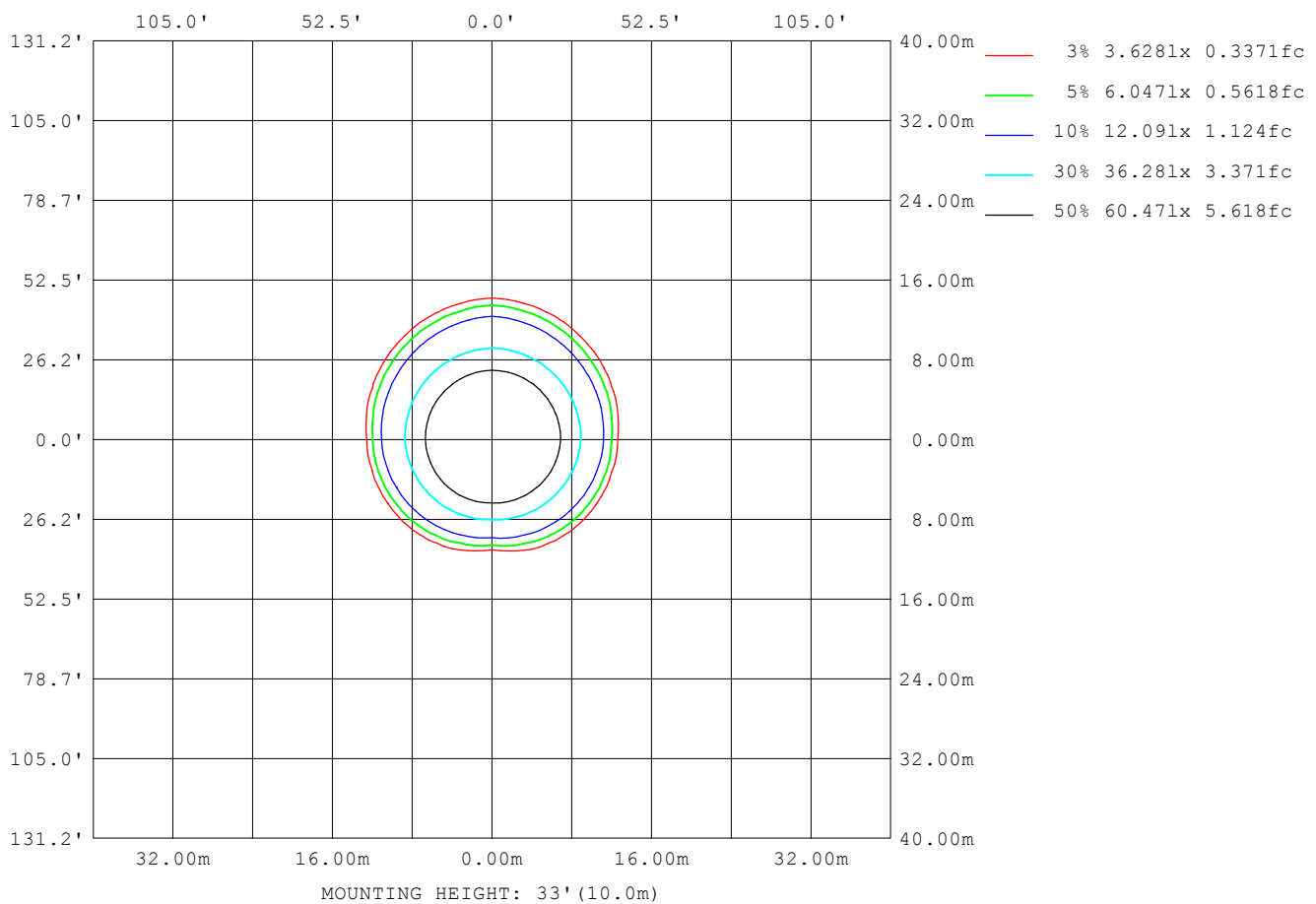


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

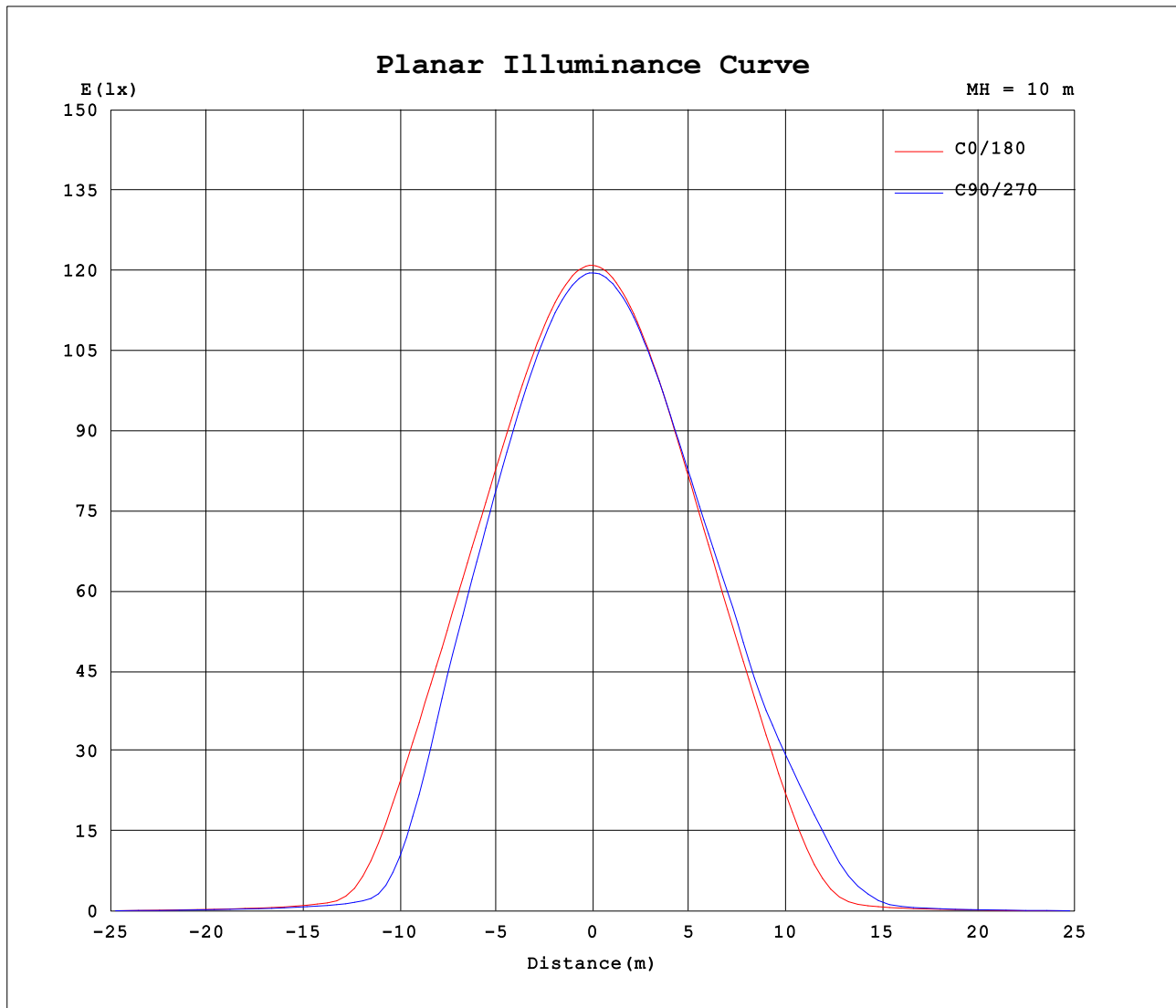
Test:U:218.50V I:0.6931A P:148.57W PF:0.9810 Freq:49.99Hz Lamp Flux:22765.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

Planar Illuminance Curve

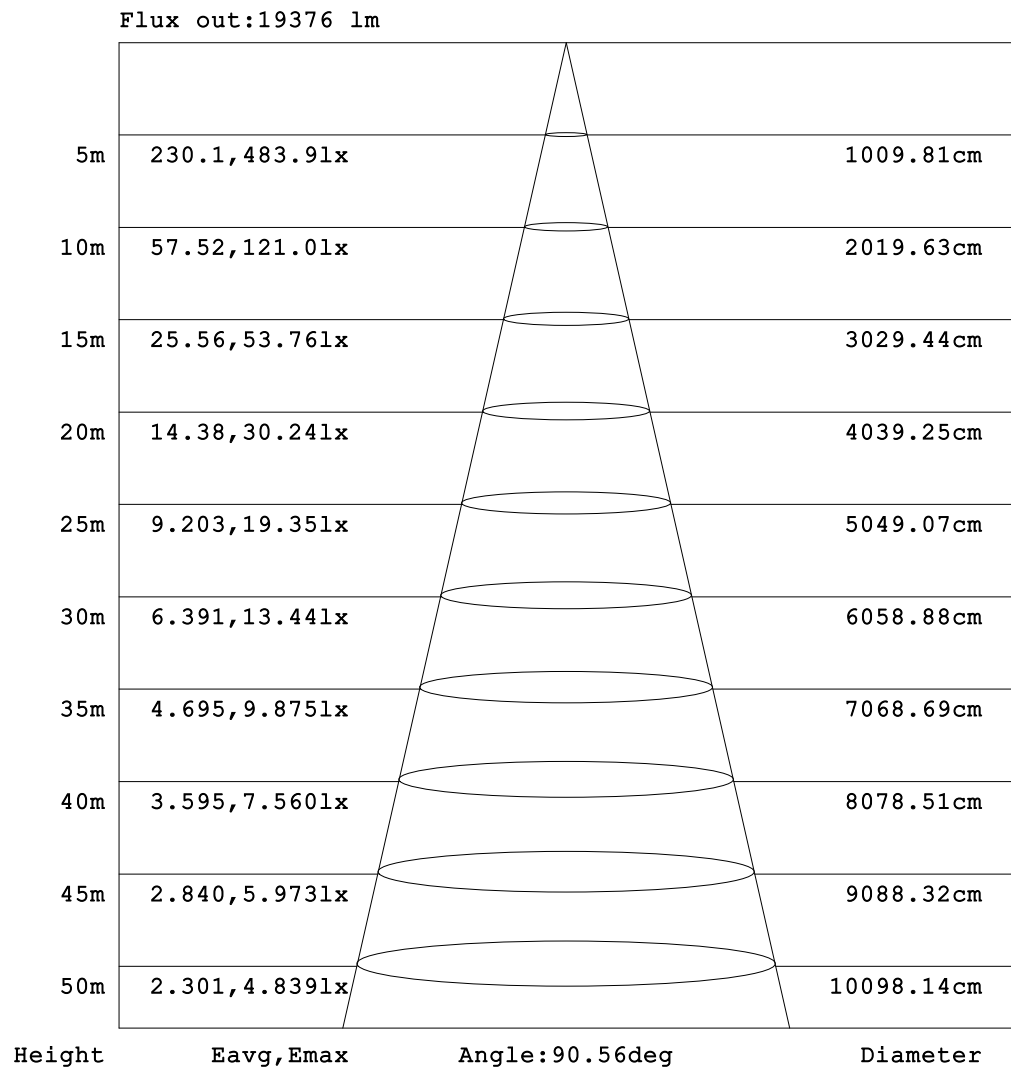


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2024-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.250m [K=1.0000]
Remarks:

AAI Figure

Test:U:218.50V I:0.6931A P:148.57W PF:0.9810 Freq:49.99Hz Lamp Flux:22765.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-12-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.50V I:0.6931A P:148.57W PF:0.9810 Freq:49.99Hz Lamp Flux:22765.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	4.15	4.13	4.61	5.21	5.86	6.53	7.19	7.90	8.94	10.1	11.0	11.7	12.5	13.5	14.7	15.9	16.7	17.1	17.1
-170	4.15	4.13	4.60	5.19	5.83	6.49	7.15	7.84	8.80	9.87	10.8	11.5	12.3	13.2	14.2	15.3	16.0	16.5	16.5
-160	4.15	4.13	4.56	5.12	5.71	6.35	6.98	7.60	8.39	9.35	10.2	10.9	11.6	12.4	13.2	13.9	14.4	14.8	15.0
-150	4.15	4.11	4.49	4.99	5.52	6.10	6.68	7.25	7.83	8.56	9.35	10.0	10.6	11.1	11.6	12.1	12.5	12.9	13.0
-140	4.15	4.08	4.40	4.82	5.28	5.76	6.26	6.76	7.25	7.73	8.27	8.84	9.38	9.80	10.1	10.3	10.5	10.6	10.6
-130	4.15	4.04	4.31	4.62	4.99	5.37	5.76	6.16	6.56	6.94	7.31	7.66	8.00	8.33	8.62	8.86	9.04	9.16	9.21
-120	4.15	4.02	4.22	4.43	4.68	4.96	5.24	5.52	5.79	6.07	6.34	6.59	6.81	7.02	7.19	7.34	7.46	7.54	7.59
-110	4.15	4.03	4.13	4.28	4.42	4.57	4.74	4.91	5.08	5.25	5.40	5.54	5.67	5.78	5.88	5.97	6.04	6.08	6.11
-100	4.15	4.12	4.11	4.17	4.27	4.36	4.44	4.51	4.58	4.64	4.70	4.77	4.82	4.88	4.93	4.97	5.01	5.05	5.08
-90	4.15	4.23	4.31	4.39	4.47	4.54	4.62	4.70	4.78	4.86	4.94	5.02	5.10	5.18	5.26	5.34	5.42	5.50	5.58
-80	4.15	4.30	4.45	4.62	4.80	5.01	5.26	5.63	6.03	6.43	6.79	7.14	7.48	7.79	8.10	8.35	8.55	8.69	8.79
-70	4.15	4.36	4.61	5.02	5.91	6.80	7.87	9.34	11.0	12.5	13.9	15.4	16.9	18.2	19.5	20.6	21.4	22.0	22.4
-60	4.15	4.42	4.89	6.21	7.72	10.2	12.8	15.4	18.3	21.3	24.5	27.5	30.6	33.4	35.9	38.0	39.6	40.8	41.3
-50	4.15	4.49	5.57	7.45	10.8	14.1	17.8	22.1	26.9	32.1	37.6	43.3	49.8	57.7	67.9	80.4	86.7	84.2	74.7
-40	4.15	4.56	6.23	9.24	13.3	17.7	23.1	29.4	36.8	45.7	61.7	117	219	350	481	582	648	683	684
-30	4.15	4.64	6.74	11.0	15.5	21.1	28.2	37.0	49.8	95.1	269	508	717	869	961	1013	1042	1056	1057
-20	4.15	4.70	7.20	12.1	17.2	23.9	32.6	44.5	83.6	308	616	846	985	1060	1105	1131	1146	1154	1154
-10	4.15	4.74	7.51	12.7	18.2	25.7	35.6	53.2	175	528	818	985	1074	1124	1155	1174	1184	1188	1186
0	4.15	4.74	7.61	12.9	18.4	26.1	36.5	57.6	233	627	891	1028	1102	1144	1172	1189	1200	1206	1209
10	4.15	4.74	7.56	12.8	18.3	25.8	36.0	60.0	215	590	862	1012	1090	1134	1162	1179	1188	1192	1191
20	4.15	4.70	7.27	12.2	17.3	24.2	33.1	48.6	130	429	737	926	1039	1096	1130	1150	1163	1169	1171
30	4.15	4.63	6.83	11.1	15.7	21.4	28.8	38.6	65.0	186	465	718	878	986	1056	1091	1111	1123	1128
40	4.15	4.54	6.31	9.50	13.6	18.0	23.6	30.3	38.9	56.5	133	309	526	696	809	880	927	957	972
50	4.15	4.46	5.62	7.71	11.1	14.5	18.3	22.8	27.9	33.6	40.8	51.8	85.1	159	254	365	463	531	571
60	4.15	4.38	4.89	6.37	8.13	10.8	13.4	16.0	19.0	22.2	25.6	29.0	32.5	35.8	39.0	42.2	45.5	47.9	49.3
70	4.15	4.30	4.55	5.03	6.06	7.20	8.53	10.2	11.9	13.5	15.1	16.6	18.1	19.5	20.9	22.1	23.1	23.8	24.3
80	4.15	4.23	4.33	4.46	4.66	4.93	5.27	5.75	6.29	6.87	7.44	8.01	8.58	9.11	9.60	10.0	10.4	10.7	10.9
90	4.15	4.15	4.15	4.15	4.16	4.16	4.16	4.16	4.17	4.17	4.17	4.17	4.17	4.17	4.18	4.18	4.18	4.18	4.19
100	4.15	4.04	3.95	3.94	3.97	4.01	4.04	4.08	4.12	4.15	4.19	4.22	4.25	4.27	4.28	4.29	4.28	4.27	4.26
110	4.15	3.96	3.99	4.10	4.21	4.34	4.48	4.62	4.75	4.87	4.97	5.06	5.14	5.20	5.25	5.29	5.31	5.30	5.28
120	4.15	3.95	4.10	4.29	4.52	4.77	5.01	5.24	5.46	5.69	5.90	6.08	6.24	6.38	6.48	6.55	6.60	6.61	6.58
130	4.15	3.99	4.22	4.52	4.86	5.19	5.54	5.90	6.23	6.55	6.84	7.10	7.33	7.55	7.74	7.90	8.01	8.05	8.02
140	4.15	4.03	4.33	4.73	5.16	5.61	6.07	6.51	6.93	7.33	7.77	8.26	8.79	9.27	9.69	10.00	10.2	10.3	10.3
150	4.15	4.07	4.44	4.92	5.43	5.97	6.51	7.03	7.55	8.19	8.97	9.75	10.4	10.9	11.2	11.5	11.7	11.8	11.7
160	4.15	4.10	4.53	5.07	5.65	6.26	6.86	7.44	8.17	9.12	10.1	10.8	11.4	11.9	12.5	13.0	13.4	13.7	13.6
170	4.15	4.12	4.58	5.17	5.80	6.45	7.09	7.75	8.69	9.78	10.7	11.4	12.1	12.9	13.8	14.8	15.6	16.0	16.0
180	4.15	4.13	4.61	5.21	5.86	6.53	7.19	7.90	8.94	10.1	11.0	11.7	12.5	13.5	14.7	15.9	16.7	17.1	16.9

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-12-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.50V I:0.6931A P:148.57W PF:0.9810 Freq:49.99Hz Lamp Flux:22765.6x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:					Shielding Angle:				

Table--2

UNIT: ×10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	16.6	16.0	15.2	14.3	13.3	12.3	11.0	9.99	9.22	8.50	7.73	7.00	6.33	5.75	5.27	5.05	5.41	6.17	
-170	16.2	15.7	14.9	14.1	13.1	12.1	10.9	9.88	9.17	8.45	7.69	6.97	6.31	5.73	5.25	5.05	5.42	6.17	
-160	14.8	14.4	13.8	13.1	12.2	11.1	10.2	9.52	8.89	8.18	7.47	6.80	6.18	5.65	5.20	5.06	5.44	6.17	
-150	12.8	12.5	12.0	11.3	10.6	10.0	9.51	8.98	8.36	7.72	7.10	6.51	5.97	5.50	5.13	5.08	5.49	6.17	
-140	10.5	10.3	10.1	9.80	9.49	9.11	8.65	8.15	7.63	7.11	6.61	6.13	5.70	5.32	5.07	5.13	5.55	6.17	
-130	9.13	8.99	8.79	8.55	8.26	7.94	7.58	7.21	6.82	6.43	6.06	5.71	5.39	5.14	5.05	5.22	5.64	6.17	
-120	7.53	7.44	7.31	7.14	6.95	6.74	6.50	6.26	6.00	5.75	5.51	5.29	5.12	5.05	5.13	5.38	5.74	6.17	
-110	6.08	6.03	5.95	5.87	5.77	5.66	5.54	5.42	5.29	5.19	5.10	5.05	5.07	5.17	5.35	5.58	5.86	6.17	
-100	5.07	5.07	5.06	5.05	5.04	5.03	5.04	5.06	5.09	5.14	5.21	5.30	5.41	5.53	5.67	5.83	6.00	6.17	
-90	5.61	5.64	5.67	5.71	5.74	5.77	5.81	5.84	5.87	5.91	5.94	5.97	6.00	6.04	6.07	6.10	6.14	6.17	
-80	8.93	9.01	9.04	9.00	8.90	8.79	8.63	8.47	8.29	8.05	7.73	7.34	7.10	6.86	6.65	6.47	6.31	6.17	
-70	22.5	22.4	22.0	21.3	20.3	19.2	17.9	16.5	15.1	13.7	12.1	10.7	9.62	8.79	7.67	6.98	6.50	6.17	
-60	41.7	41.5	40.8	39.4	37.6	35.2	32.5	29.5	26.2	22.8	19.5	16.4	13.7	11.1	9.39	7.69	6.72	6.17	
-50	85.3	88.2	81.8	70.4	62.7	56.7	50.9	45.4	39.9	34.3	28.7	23.4	18.6	14.6	11.0	8.86	6.96	6.17	
-40	688	659	597	500	371	234	121	69.6	56.5	47.0	38.7	31.1	24.0	18.0	13.2	9.70	7.22	6.17	
-30	1060	1051	1027	982	894	749	542	290	100.0	62.4	48.7	38.4	29.2	21.4	15.3	10.4	7.47	6.17	
-20	1156	1153	1142	1121	1084	1019	886	661	334	90.8	58.8	44.8	33.8	24.2	16.8	11.1	7.66	6.17	
-10	1191	1189	1183	1169	1146	1106	1029	870	574	184	68.5	49.4	36.8	26.1	17.9	11.6	7.79	6.17	
0	1210	1206	1200	1188	1169	1137	1079	948	683	249	73.4	51.5	38.1	26.9	18.3	11.8	7.84	6.17	
10	1194	1193	1188	1176	1156	1123	1056	914	637	225	75.2	49.9	37.0	26.2	17.9	11.6	7.79	6.17	
20	1172	1169	1161	1146	1120	1073	965	781	455	137	62.8	45.4	34.0	24.3	17.0	11.1	7.66	6.17	
30	1127	1120	1105	1076	1011	910	752	486	191	77.6	50.3	38.9	29.5	21.6	15.5	10.5	7.46	6.17	
40	962	937	895	828	717	541	313	141	67.2	49.1	39.5	31.6	24.3	18.3	13.5	9.78	7.21	6.17	
50	532	464	366	256	164	92.1	59.4	48.6	41.4	35.3	29.3	23.9	19.0	15.0	11.3	8.91	6.93	6.17	
60	48.9	47.3	45.0	42.5	40.0	37.2	34.0	30.6	27.1	23.5	20.2	17.1	14.3	11.5	9.55	7.69	6.68	6.17	
70	24.3	24.0	23.5	22.7	21.6	20.4	19.1	17.6	16.1	14.6	13.0	11.4	10.0	8.94	7.68	6.91	6.44	6.17	
80	10.9	10.9	10.7	10.5	10.2	9.89	9.51	9.12	8.73	8.31	7.85	7.35	7.01	6.72	6.49	6.34	6.24	6.17	
90	4.30	4.41	4.52	4.63	4.74	4.85	4.96	5.07	5.18	5.29	5.40	5.51	5.62	5.73	5.84	5.95	6.06	6.17	
100	4.30	4.34	4.37	4.40	4.43	4.46	4.50	4.54	4.60	4.68	4.78	4.90	5.06	5.24	5.44	5.67	5.92	6.17	
110	5.30	5.29	5.27	5.24	5.19	5.13	5.07	5.00	4.92	4.85	4.80	4.79	4.84	4.96	5.16	5.44	5.79	6.17	
120	6.59	6.57	6.52	6.43	6.31	6.17	6.00	5.82	5.62	5.42	5.23	5.06	4.93	4.89	4.99	5.26	5.67	6.17	
130	8.02	7.95	7.83	7.67	7.49	7.27	7.02	6.74	6.43	6.11	5.79	5.49	5.22	5.00	4.95	5.14	5.58	6.17	
140	10.2	10.0	9.74	9.38	8.96	8.52	8.08	7.65	7.23	6.80	6.36	5.94	5.54	5.20	4.99	5.06	5.51	6.17	
150	11.7	11.6	11.3	10.9	10.4	9.85	9.22	8.60	7.99	7.43	6.88	6.34	5.85	5.41	5.07	5.03	5.45	6.17	
160	13.6	13.4	12.9	12.4	11.8	10.9	10.1	9.37	8.66	7.96	7.31	6.68	6.09	5.58	5.16	5.02	5.42	6.17	
170	15.8	15.2	14.5	13.6	12.8	11.9	10.8	9.84	9.08	8.34	7.60	6.91	6.26	5.70	5.23	5.03	5.40	6.17	
180	16.6	16.0	15.2	14.3	13.3	12.3	11.0	9.99	9.22	8.50	7.73	7.00	6.33	5.75	5.27	5.05	5.41	6.17	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-12-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks: