

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

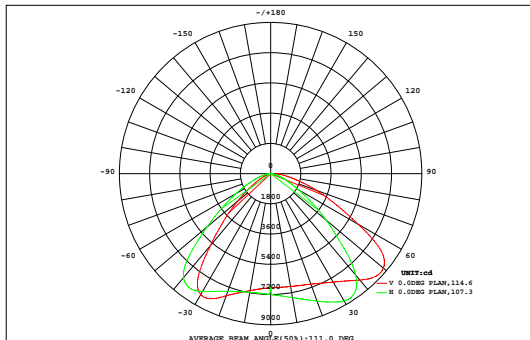
Maximum Intensity (Luminaire orientation as tested.)		385.1 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	143.4V x 147.4H 107.3V x 114.6H 89.8V x 98.2H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	1000.0 lumens per klm. 970.5 lumens per klm. 790.4 lumens per klm. 286.6 lumens per klm.
	Upward LOR Downward LOR	0.3 % 99.7 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:YangWenPeng
Test Date:2023-06-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.642m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: UFO 工矿灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:189.03lm/W	
MODEL	PC120-065	Imax(cd)	8809
NOMINAL POWER(W)	120	AVAILABILITY(%)	97.0
RATED VOLTAGE(V)	226	Avai. FLUX(lm)	22181
NOMINAL FLUX(lm)	22873.1	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	22873
TEST VOLTAGE(V)	225.3	θ @50%(H,V)	115,107DEG

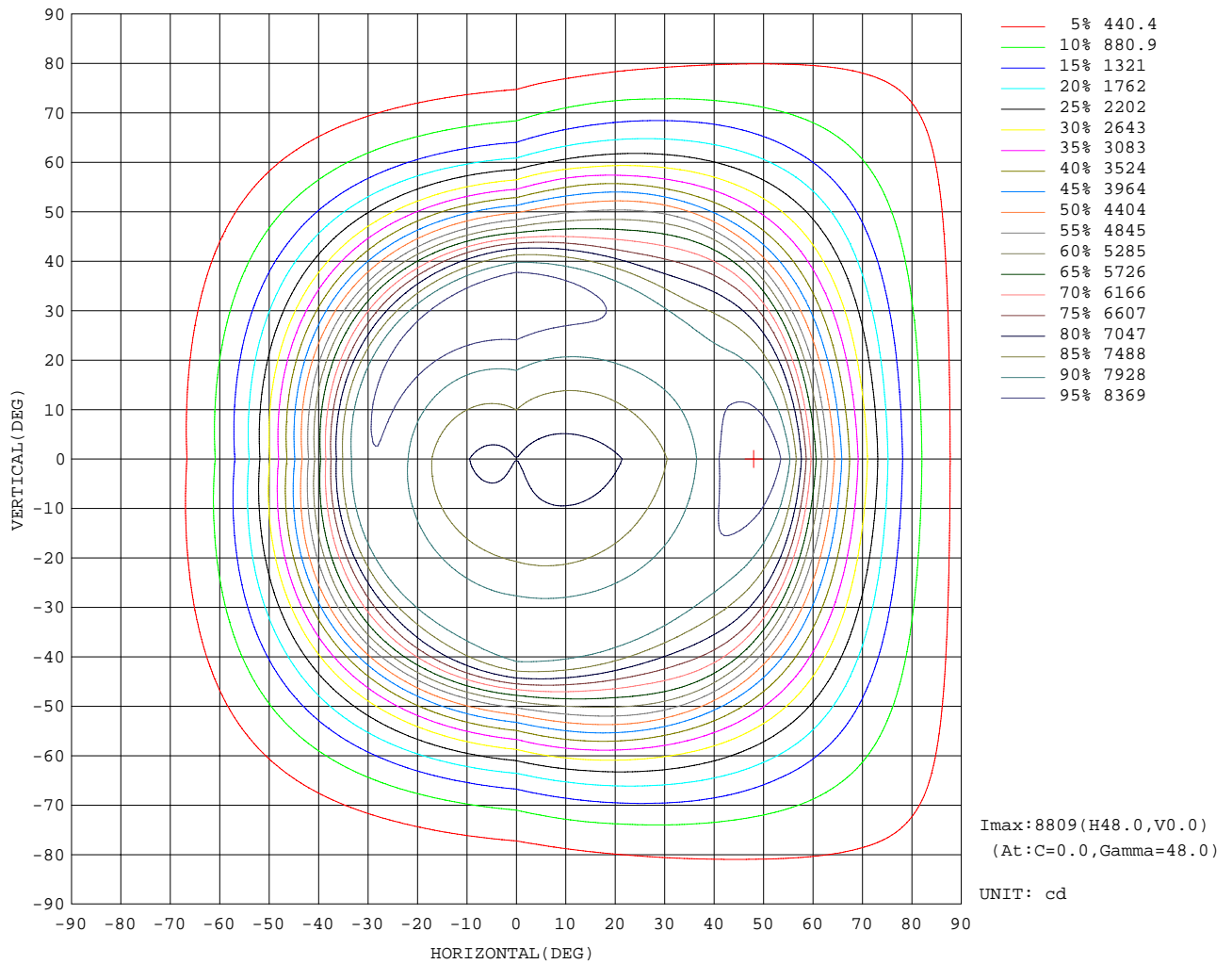
VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
	0.00	0.01	0.02	0.07	0.19	0.40	0.68	1.00	1.28	2.38	4.13	5.37	5.98	5.91	5.23	4.05	2.52	0.84	40.1		
90	0.00	0.01	0.02	0.07	0.19	0.40	0.68	1.00	1.28	2.38	4.13	5.37	5.98	5.91	5.23	4.05	2.52	0.84	40.1	0.00	
80	0.00	0.02	0.20	0.82	2.21	4.48	7.31	10.2	12.4	15.5	18.8	19.7	18.2	15.0	11.1	7.10	3.65	1.00	148	25.0	
70	0.00	0.08	0.68	2.90	7.56	14.3	22.2	30.1	36.1	42.9	48.8	48.4	42.2	32.2	21.0	11.6	5.05	1.18	367	305	
60	0.00	0.16	1.64	6.79	16.5	31.4	51.2	71.8	87.5	99.9	107	100	81.5	58.0	35.8	17.7	6.73	1.36	775	749	
50	0.01	0.27	3.17	11.9	29.6	60.3	102	144	176	187	180	163	137	95.5	54.4	25.5	8.60	1.54	1381	1365	
40	0.01	0.45	4.85	17.8	47.2	99.6	169	227	255	257	240	212	178	137	77.1	33.9	10.6	1.70	1966	1954	
30	0.01	0.63	6.36	23.8	66.1	141	219	250	256	252	241	226	199	162	101	42.2	12.5	1.85	2200	2191	
20	0.01	0.76	7.38	28.3	80.9	171	231	235	235	231	223	215	202	176	120	49.4	14.1	1.97	2223	2214	
10	0.00	0.79	7.72	30.1	87.0	183	227	221	218	215	209	203	197	183	133	54.6	15.2	2.04	2185	2177	
0	0.00	0.81	7.84	30.5	87.7	182	224	218	214	212	206	201	196	184	133	54.7	15.2	2.05	2169	2161	
-10	0.01	0.82	7.72	29.4	83.3	171	225	226	222	219	214	210	201	178	121	49.8	14.2	1.97	2176	2168	
-20	0.01	0.72	6.83	25.3	69.6	145	215	238	238	234	229	221	203	166	103	42.7	12.6	1.86	2151	2142	
-30	0.02	0.56	5.38	19.7	51.0	107	176	226	247	249	239	219	185	140	78.9	34.5	10.7	1.71	1990	1979	
-40	0.02	0.40	3.68	13.5	33.6	67.1	113	160	194	205	196	174	144	99.4	56.0	26.0	8.72	1.55	1495	1480	
-50	0.01	0.29	2.10	8.05	19.5	37.3	60.1	83.9	102	115	119	109	87.3	61.0	37.1	18.2	6.85	1.37	868	845	
-60	0.01	0.20	1.09	3.85	9.46	17.7	27.7	37.9	45.9	52.7	56.6	53.9	45.7	34.1	21.9	12.0	5.17	1.18	427	379	
-70	0.01	0.10	0.52	1.56	3.53	6.52	10.2	13.9	17.0	20.1	22.6	22.6	20.2	16.4	11.8	7.42	3.72	1.01	179	47.1	
-80	0.00	0.03	0.11	0.32	0.70	1.25	1.91	2.60	3.19	4.29	5.72	6.60	6.83	6.43	5.49	4.14	2.54	0.84	53.0	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	0.00	
Φ t	0.13	7.10	67.3	255	696	1439	2080	2396	2560	2614	2560	2410	2150	1751	1127	496	159	27.0	22794	---	
Φ a	0.00	0.00	5.17	203	653	1398	2041	2358	2522	2578	2524	2376	2117	1717	1095	464	127	4.11	---	22181	

one-half-peak spread: U:19.8,D:20.7 , L:18.9,R:20.0 NEMA Beam Type: Type 7

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Operators:YangWenPeng
 Test Date:2023-06-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.642m [K=1.0000]
 Remarks:

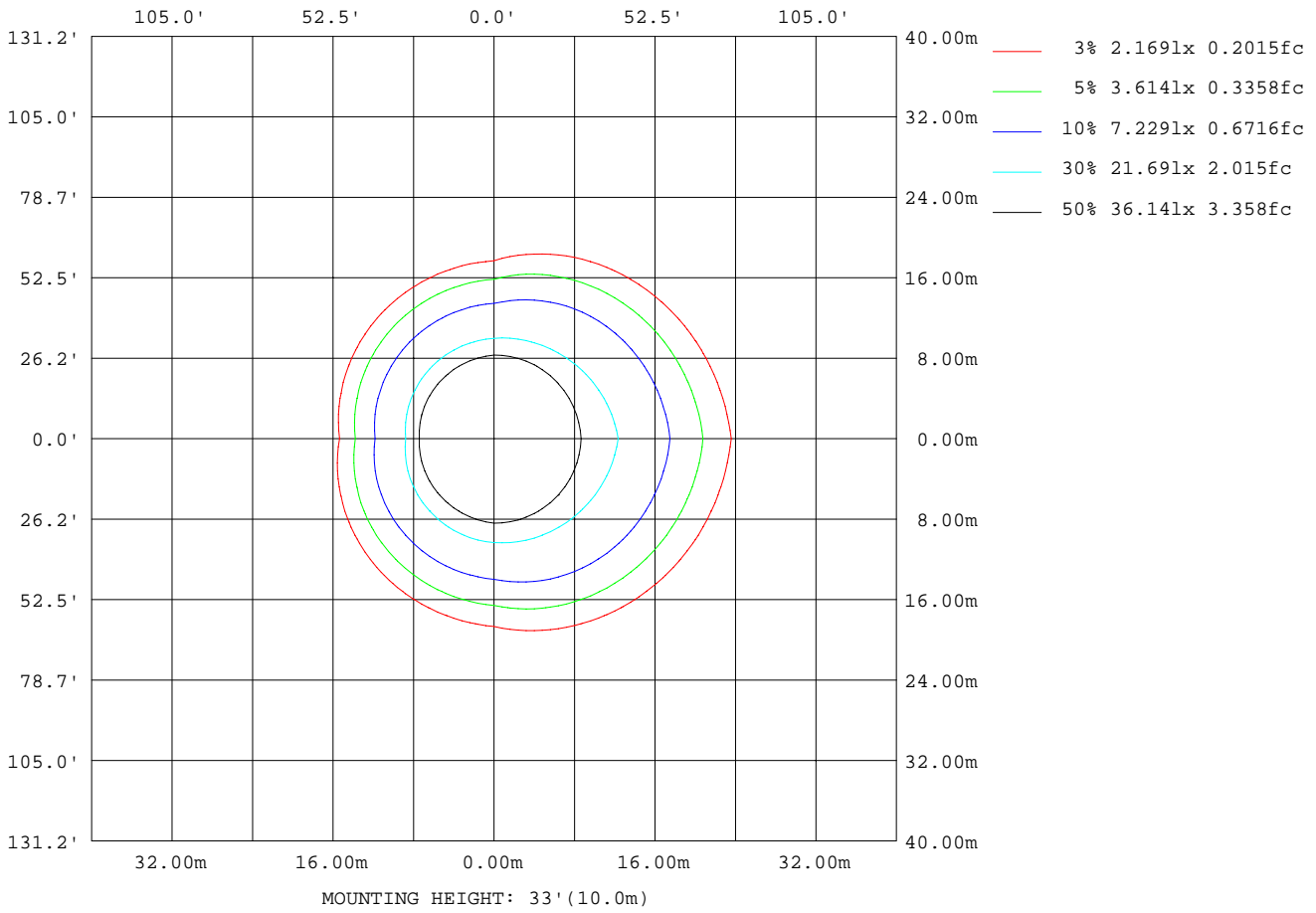
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
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 Operators: YangWenPeng
 Test Date: 2023-06-09

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 Humidity: 65.0%
 Test Distance: 10.642m [K=1.0000]
 Remarks:

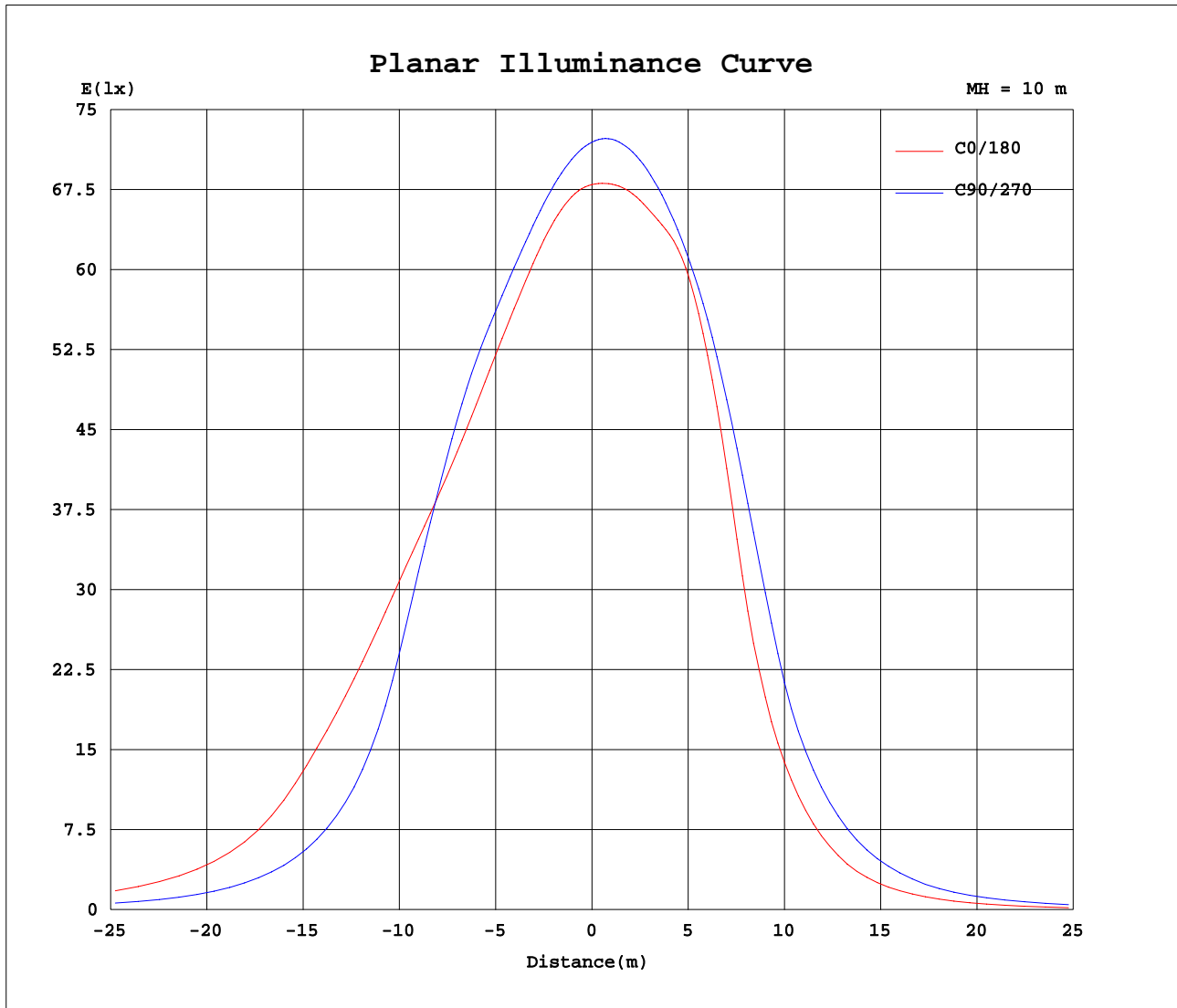
ISOLUX DIAGRAM



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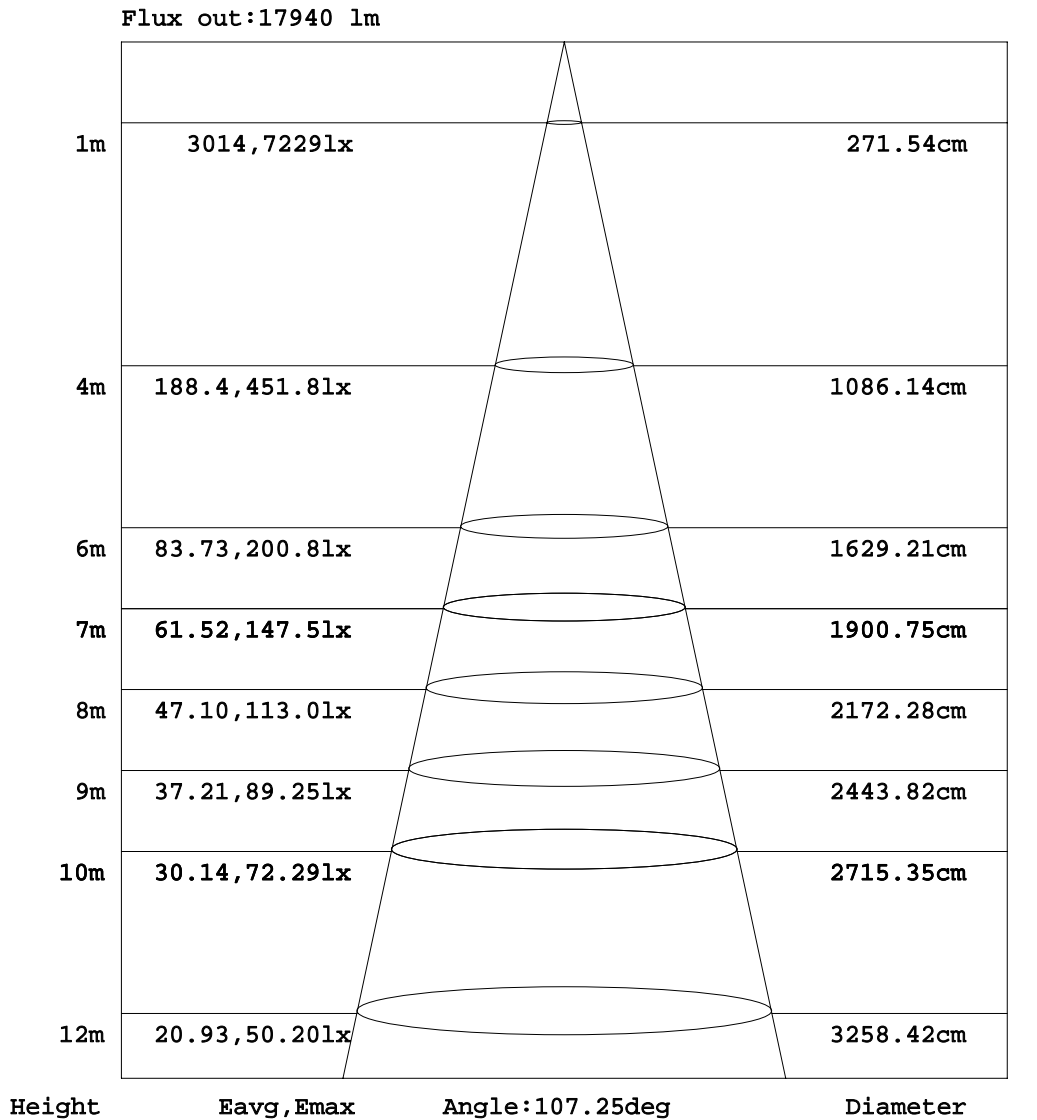
Planar Illuminance Curve



C Range: 0 - 360DEG
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 Operators: YangWenPeng
 Test Date: 2023-06-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 10.642m [K=1.0000]
 Remarks:

AAI Figure



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:25.0DEG
 Operators:YangWenPeng
 Test Date:2023-06-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.642m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

H(DEG) V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	0.53	0.70	0.97	1.36	1.90	2.60	3.38	4.19	4.96	5.89	7.16	8.25	8.80	9.23	9.36	9.10	8.90	9.31	14.7
-170	0.53	0.77	1.12	1.61	2.29	3.18	4.21	5.28	6.34	7.52	8.83	10.2	11.1	11.9	12.7	13.4	14.3	16.1	18.6
-160	0.53	0.83	1.24	1.80	2.57	3.56	4.77	6.06	7.36	8.73	10.1	11.5	12.8	13.9	15.1	16.3	17.7	19.2	21.0
-150	0.53	0.88	1.32	1.91	2.70	3.73	5.00	6.43	7.89	9.36	10.9	12.4	13.6	15.0	16.3	17.6	18.9	20.3	21.8
-140	0.53	0.91	1.38	1.98	2.74	3.71	4.88	6.27	7.80	9.36	10.9	12.5	14.1	15.6	16.9	18.1	19.3	20.5	21.8
-130	0.53	0.93	1.40	1.97	2.66	3.50	4.51	5.68	7.04	8.49	10.0	11.6	13.1	14.5	16.0	17.4	18.8	20.1	21.4
-120	0.53	0.94	1.38	1.91	2.51	3.20	4.01	4.90	5.92	7.02	8.22	9.50	10.8	12.1	13.4	14.6	15.8	16.8	17.8
-110	0.53	0.94	1.36	1.81	2.32	2.88	3.48	4.14	4.84	5.59	6.38	7.19	8.03	8.89	9.73	10.5	11.3	12.1	12.7
-100	0.53	0.93	1.32	1.72	2.13	2.56	3.01	3.48	3.97	4.46	4.97	5.48	6.00	6.51	7.03	7.54	8.03	8.51	8.98
-90	0.53	0.96	1.40	1.84	2.27	2.71	3.14	3.58	4.01	4.45	4.88	5.32	5.76	6.19	6.63	7.06	7.50	7.93	8.37
-80	0.53	1.11	2.29	5.36	11.2	19.9	31.7	46.4	63.5	82.7	105	128	153	178	204	229	253	274	292
-70	0.53	1.34	5.56	15.9	32.8	57.2	90.4	134	191	264	347	435	526	616	705	788	862	925	974
-60	0.53	1.82	9.60	26.7	55.7	104	192	316	464	634	822	1030	1252	1483	1714	1930	2122	2279	2393
-50	0.53	2.32	12.7	35.4	83.7	203	374	591	859	1183	1570	2002	2479	2987	3492	3968	4382	4722	4951
-40	0.53	2.59	14.0	42.0	141	329	581	916	1355	1902	2589	3409	4327	5289	6194	6926	7454	7813	8073
-30	0.53	2.52	13.3	48.8	205	447	784	1249	1881	2752	3847	5107	6326	7298	7946	8190	8206	8152	8108
-20	0.53	2.08	10.5	61.6	251	534	937	1515	2365	3539	4936	6394	7690	8198	8160	7924	7688	7530	7452
-10	0.53	1.33	5.98	67.0	271	573	1009	1656	2661	3974	5552	7305	8201	8216	7852	7488	7269	7173	7176
0	0.53	0.43	0.45	58.1	258	550	969	1606	2614	3908	5561	7525	8318	8215	7737	7342	7071	6884	6798
10	0.53	0.63	3.63	62.5	262	556	978	1615	2606	3888	5506	7344	8310	8375	8040	7695	7491	7423	7492
20	0.53	0.78	5.95	53.1	235	504	882	1442	2265	3397	4763	6348	7796	8430	8491	8328	8151	8064	8074
30	0.53	0.82	6.83	36.9	185	410	720	1145	1751	2586	3616	4805	6141	7312	8133	8520	8663	8711	8750
40	0.53	0.76	6.24	28.1	118	291	518	816	1203	1723	2360	3137	3966	4817	5725	6541	7159	7590	7867
50	0.53	0.70	4.75	20.1	59.6	167	320	510	741	1013	1344	1746	2177	2632	3093	3521	3878	4153	4329
60	0.53	0.62	2.53	11.4	32.2	71.2	148	256	382	525	680	849	1027	1206	1384	1554	1704	1821	1901
70	0.53	0.55	1.16	4.13	12.6	27.4	52.2	86.8	132	195	263	335	409	481	549	612	668	714	749
80	0.53	0.54	0.62	1.04	1.93	3.75	7.61	14.2	22.8	33.0	45.3	59.6	76.7	94.2	112	130	146	159	170
90	0.53	0.55	0.58	0.60	0.63	0.65	0.67	0.70	0.72	0.75	0.77	0.80	0.82	0.84	0.87	0.89	0.92	0.94	0.97
100	0.53	0.57	0.62	0.66	0.70	0.73	0.75	0.79	0.81	0.84	0.86	0.87	0.89	0.91	0.92	0.93	0.93	0.93	0.93
110	0.53	0.60	0.67	0.73	0.81	0.88	0.95	1.03	1.10	1.17	1.25	1.31	1.36	1.41	1.44	1.47	1.47	1.47	1.45
120	0.53	0.63	0.72	0.83	0.96	1.09	1.25	1.40	1.59	1.76	1.94	2.12	2.27	2.40	2.51	2.60	2.63	2.63	2.59
130	0.53	0.65	0.78	0.94	1.13	1.37	1.64	1.94	2.27	2.60	2.94	3.25	3.53	3.77	3.98	4.14	4.24	4.29	4.28
140	0.53	0.67	0.84	1.06	1.34	1.69	2.09	2.56	3.06	3.55	4.00	4.44	4.88	5.33	5.78	6.18	6.47	6.64	6.67
150	0.53	0.69	0.89	1.16	1.52	2.00	2.57	3.18	3.80	4.40	5.00	5.72	6.56	7.39	8.10	8.69	9.22	9.65	9.91
160	0.53	0.70	0.93	1.26	1.71	2.29	2.96	3.68	4.38	5.10	6.01	7.11	8.13	8.92	9.80	10.8	11.7	12.4	13.1
170	0.53	0.70	0.96	1.33	1.84	2.50	3.25	4.03	4.77	5.65	6.83	8.04	8.79	9.56	10.3	10.7	11.0	11.5	12.5
180	0.53	0.70	0.97	1.36	1.90	2.60	3.38	4.19	4.96	5.89	7.16	8.25	8.80	9.23	9.36	9.10	8.90	9.31	15.9

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: YangWenPeng
 Test Date: 2023-06-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 10.642m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	10.7	11.5	12.4	12.9	12.8	12.7	12.4	11.8	10.8	9.35	7.53	5.70	4.16	2.92	2.05	3.02	88.0	312	
-170	16.9	15.9	15.6	15.3	14.8	14.4	13.8	12.9	11.9	10.2	8.24	6.30	4.62	3.24	2.27	3.58	90.1	312	
-160	19.8	18.7	17.8	17.1	16.3	15.6	14.7	13.8	12.4	10.5	8.48	6.52	4.82	3.41	2.40	4.98	97.6	312	
-150	20.8	19.8	18.9	18.0	17.1	16.2	15.3	14.0	12.1	10.2	8.22	6.37	4.74	3.45	2.53	7.89	110	312	
-140	20.9	20.1	19.3	18.5	17.6	16.3	14.7	13.0	11.2	9.34	7.53	5.88	4.46	3.34	2.79	17.0	128	312	
-130	20.5	19.4	18.3	17.1	15.8	14.3	12.8	11.2	9.58	8.00	6.50	5.18	4.07	3.23	4.87	41.7	152	312	
-120	17.0	16.1	15.0	13.9	12.7	11.4	10.1	8.85	7.62	6.47	5.42	4.48	3.76	4.53	19.5	80.9	182	312	
-110	12.1	11.5	10.7	9.95	9.15	8.33	7.50	6.70	5.93	5.24	4.74	5.20	9.33	30.7	73.3	135	216	312	
-100	8.64	8.32	8.06	7.90	7.89	8.34	9.20	12.5	18.3	28.6	42.9	62.1	87.4	119	157	202	253	312	
-90	25.2	42.1	59.0	75.8	92.7	110	126	143	160	177	194	211	228	244	261	278	295	312	
-80	335	374	407	435	456	473	483	487	484	477	466	452	433	412	390	366	340	312	
-70	1079	1164	1228	1268	1283	1275	1238	1167	1093	1011	920	825	731	637	550	466	387	312	
-60	2598	2744	2821	2833	2783	2678	2533	2350	2135	1900	1648	1363	1131	921	736	575	435	312	
-50	5169	5284	5333	5324	5242	5039	4657	4140	3609	3100	2607	2133	1668	1262	946	688	482	312	
-40	8056	7994	7865	7649	7344	7035	6740	6383	5696	4683	3773	2994	2299	1651	1168	803	526	312	
-30	8062	8066	8102	8144	8172	8151	7975	7671	7291	6531	5138	3914	2927	2098	1384	908	565	312	
-20	7406	7420	7495	7636	7823	8016	8198	8278	8116	7698	6537	4806	3502	2456	1574	996	596	312	
-10	7086	7061	7101	7218	7413	7671	7973	8312	8507	8343	7499	5558	3954	2729	1718	1059	617	312	
0	6790	6821	6889	7001	7194	7457	7803	8268	8713	8761	8039	5989	4205	2875	1791	1091	628	312	
10	7335	7283	7309	7406	7571	7779	8012	8266	8421	8289	7459	5527	3937	2720	1713	1057	617	312	
20	7940	7883	7899	7966	8055	8122	8152	8105	7973	7599	6463	4752	3472	2440	1565	992	595	312	
30	8621	8522	8432	8330	8186	7967	7673	7439	7125	6401	5034	3850	2890	2077	1372	902	563	312	
40	7834	7700	7480	7179	6872	6673	6468	6154	5517	4532	3673	2931	2261	1628	1154	795	524	312	
50	4600	4779	4887	4925	4887	4737	4400	3914	3440	2981	2526	2080	1632	1238	930	680	480	312	
60	2140	2325	2445	2503	2506	2453	2351	2208	2026	1818	1588	1319	1098	898	721	568	434	312	
70	868	971	1053	1112	1147	1159	1138	1083	1023	952	873	786	701	617	538	461	386	312	
80	221	267	308	343	372	397	414	427	434	436	434	428	417	403	386	364	339	312	
90	18.2	35.5	52.8	70.1	87.3	105	122	139	156	174	191	208	225	243	260	277	295	312	
100	1.06	1.22	1.45	1.80	2.29	3.24	4.59	8.40	14.7	25.5	40.2	59.8	85.6	117	156	202	253	312	
110	1.53	1.59	1.63	1.66	1.67	1.65	1.62	1.57	1.50	1.50	1.63	2.67	7.33	29.1	72.2	134	216	312	
120	2.78	2.92	3.01	3.02	2.99	2.90	2.76	2.58	2.36	2.14	1.93	1.71	1.65	2.98	18.4	80.3	181	312	
130	4.61	4.86	5.01	5.06	4.99	4.80	4.50	4.12	3.69	3.23	2.76	2.31	1.94	1.71	3.85	41.1	151	312	
140	7.04	7.27	7.39	7.39	7.28	7.03	6.65	6.07	5.38	4.59	3.82	3.10	2.44	1.94	1.88	16.4	128	312	
150	10.1	10.1	9.97	9.78	9.51	9.15	8.69	8.04	7.17	6.10	4.97	3.94	3.01	2.27	1.78	7.45	110	312	
160	13.0	12.8	12.3	11.8	11.3	10.9	10.4	9.70	8.76	7.52	6.09	4.72	3.54	2.56	1.87	4.68	97.5	312	
170	12.3	12.6	12.9	12.8	12.5	12.1	11.6	10.9	9.98	8.64	6.99	5.35	3.94	2.79	1.99	3.42	90.0	312	
180	10.7	11.5	12.4	12.9	12.8	12.7	12.4	11.8	10.8	9.35	7.53	5.70	4.16	2.92	2.05	3.02	88.0	312	

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: YangWenPeng
 Test Date: 2023-06-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 10.642m [K=1.0000]
 Remarks: