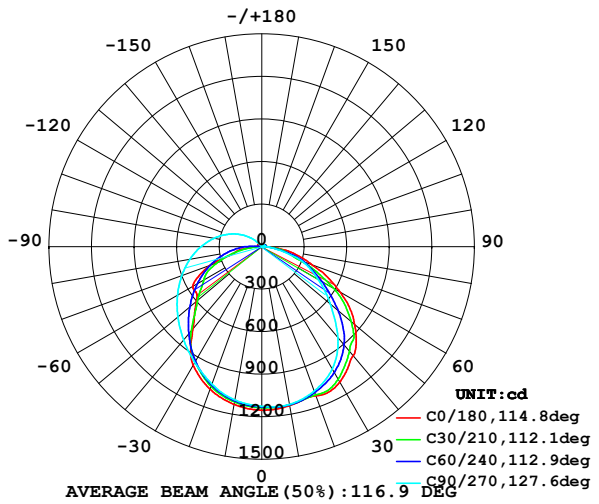
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.8V I:0.8400A P:100.3W PF:0.9970 Lamp Flux:5859x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

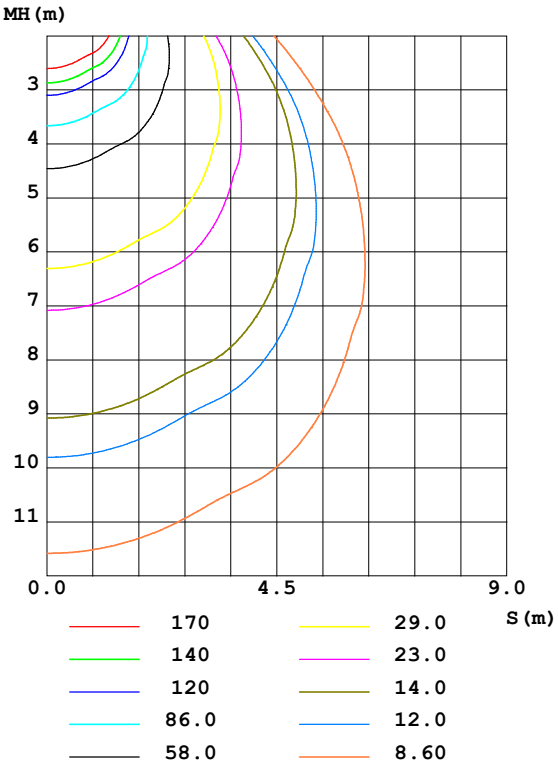
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 58.40 lm/W	
MODEL		Imax(cd)	1860	S/MH(C0/180)	1.41
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)		TOTAL FLUX(lm)	5859.2	η UP,DN(C0-180)	0.9,29.0
NOMINAL FLUX(lm)	5859	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	26.9,43.3
LAMPS INSIDE	1	η up(%)	27.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)		η down(%)	72.2	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):116.9 DEG

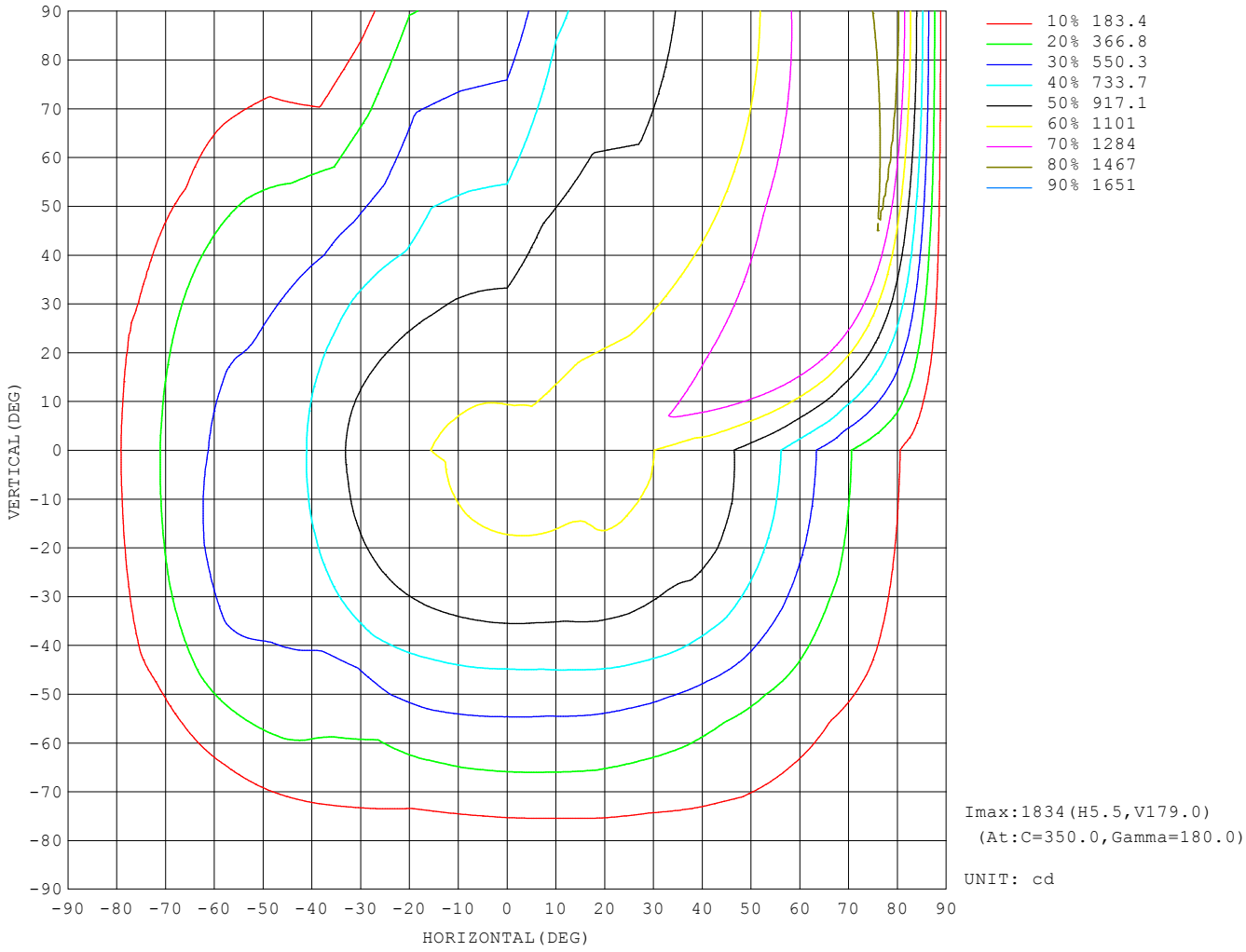
C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2019-03-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.400m [K=1.0000]
Remarks: E21513

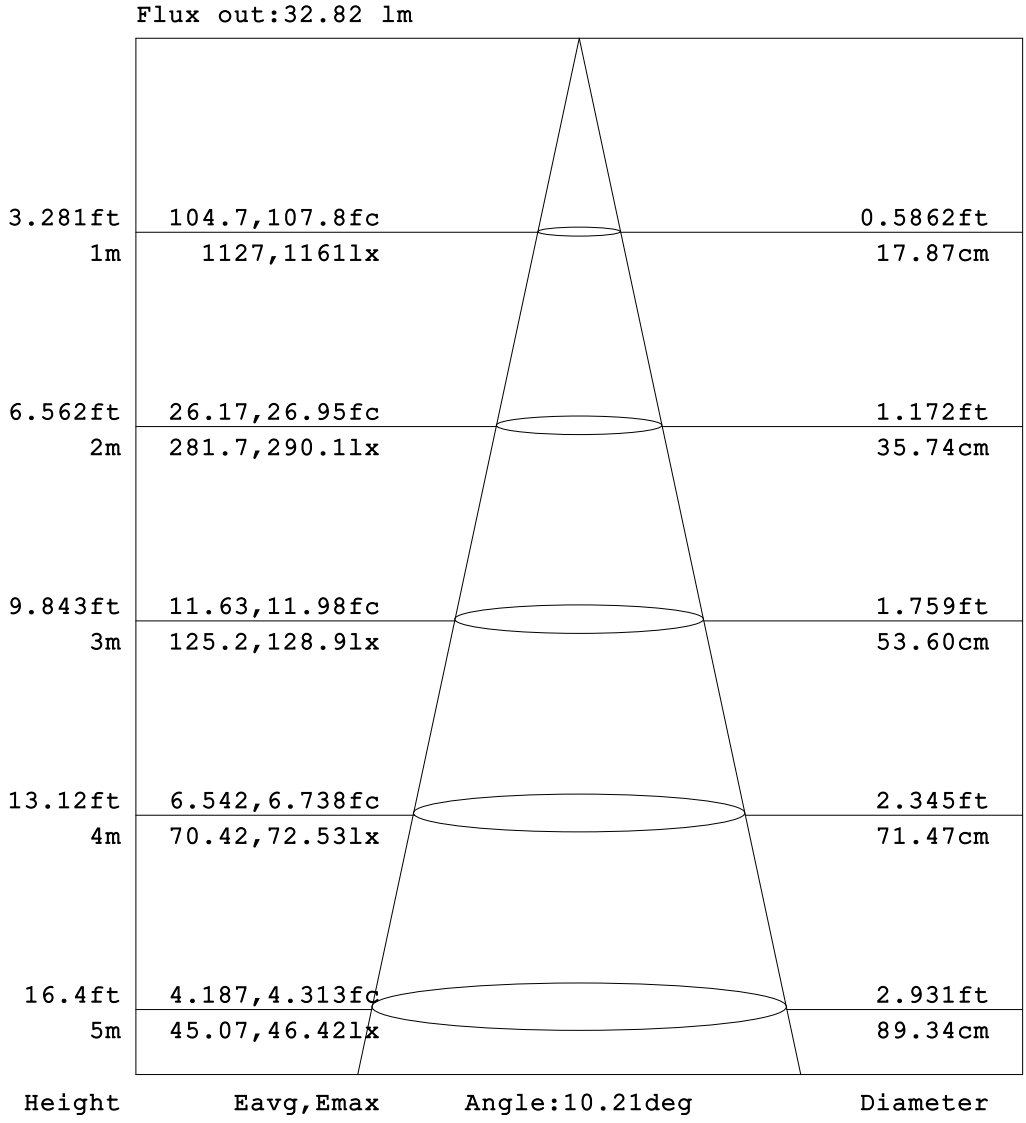
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2019-03-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.400m [K=1.0000]
Remarks: E21513

AAI Figure

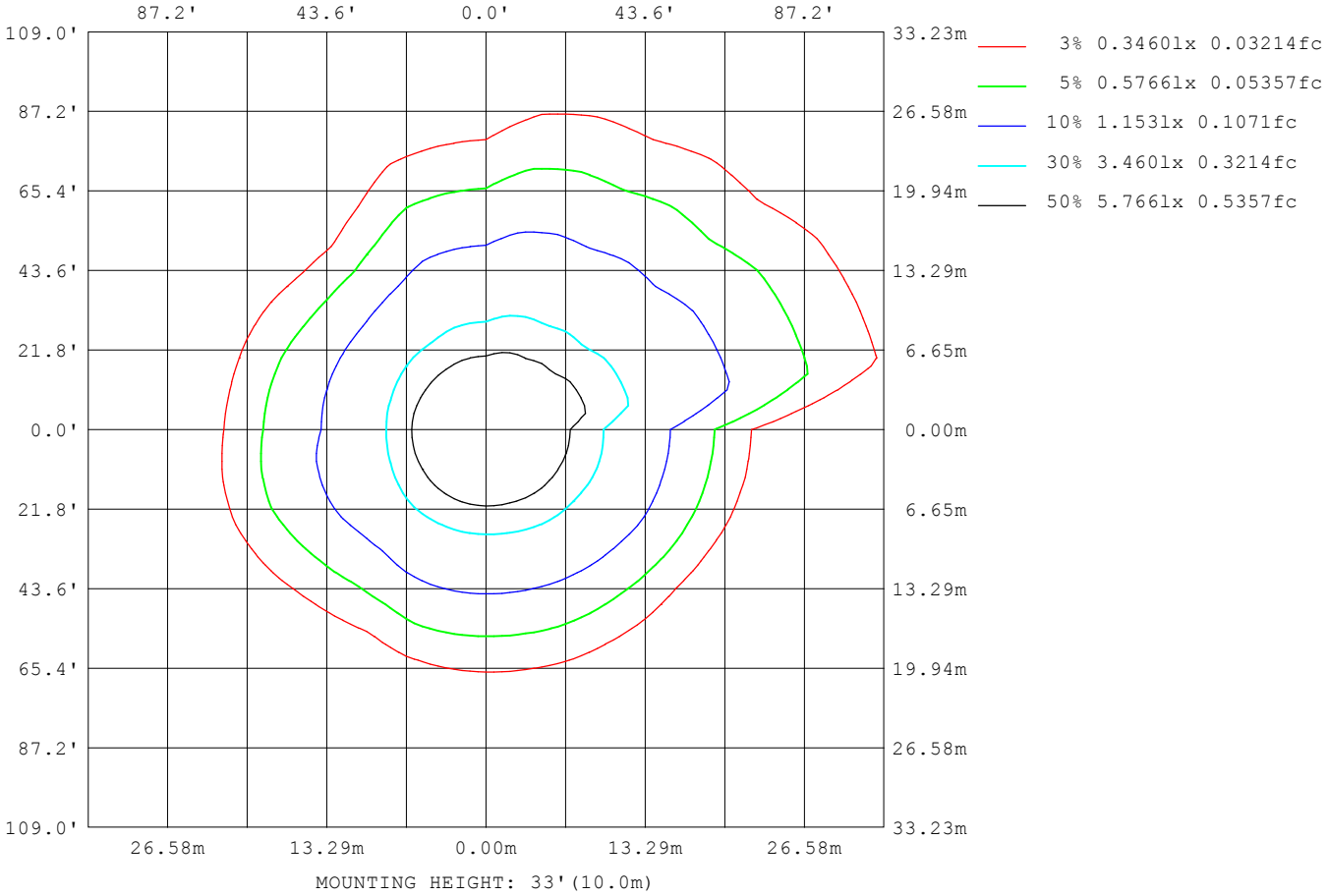


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2019-03-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.400m [K=1.0000]
Remarks: E21513

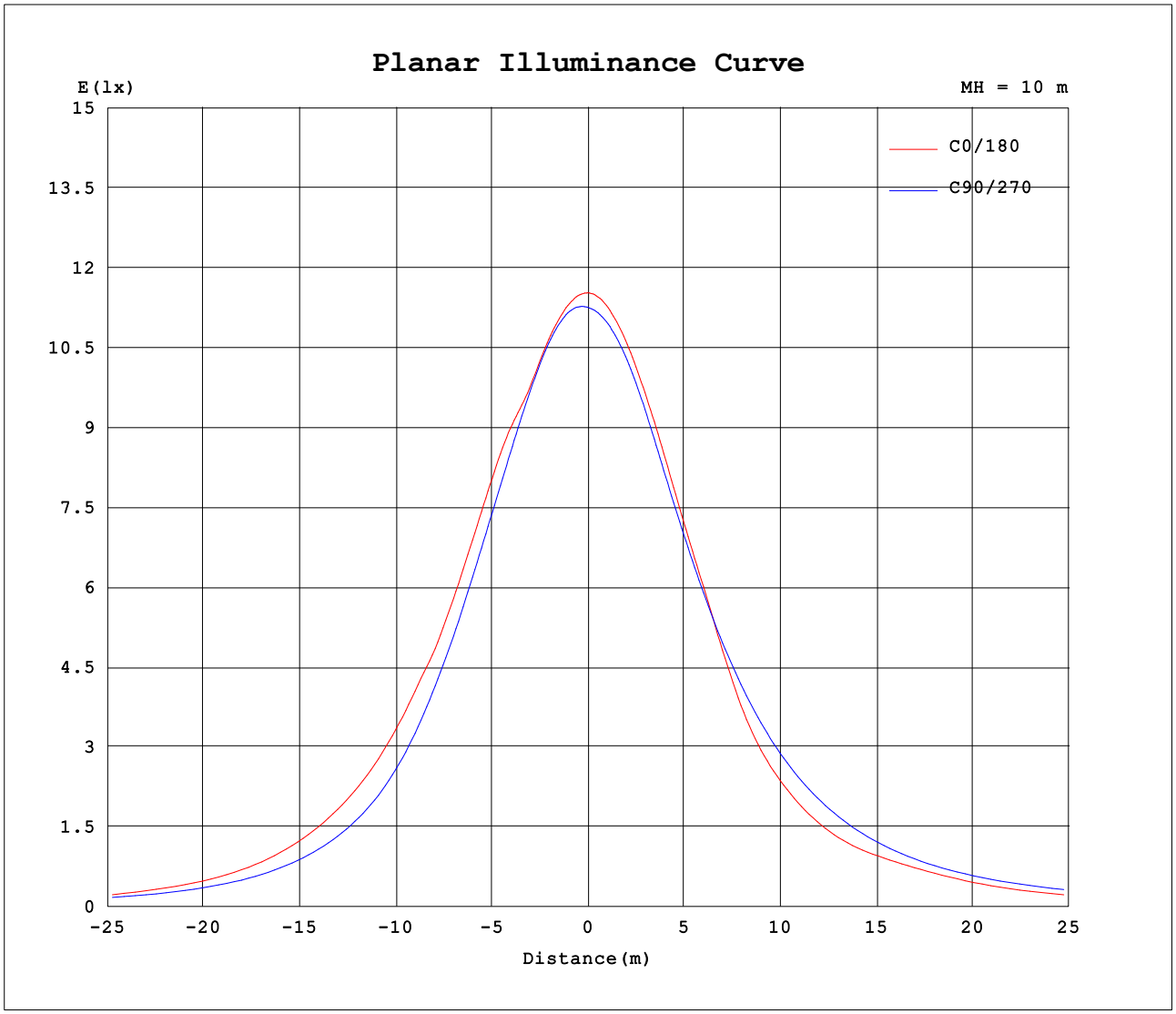
ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2019-03-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.400m [K=1.0000]
Remarks: E21513

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2019-03-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.400m [K=1.0000]
Remarks: E21513

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1 UNIT: cd

C(DEG) / γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1153	1146	1141	1137	1134	1132	1130	1128	1127	1126	1126	1128	1130	1131	1133	1142	1148	1153	1153
5	1150	1145	1141	1138	1136	1137	1136	1135	1135	1133	1133	1134	1134	1133	1132	1132	1132	1134	1146
10	1138	1135	1134	1133	1134	1134	1134	1133	1131	1129	1128	1127	1125	1122	1119	1117	1115	1114	1130
15	1119	1119	1120	1120	1120	1119	1119	1117	1115	1112	1110	1107	1104	1100	1096	1093	1091	1088	1104
20	1119	1123	1120	1113	1105	1098	1095	1091	1087	1084	1081	1078	1074	1069	1064	1060	1057	1053	1070
25	1129	1129	1124	1115	1099	1079	1063	1056	1051	1046	1043	1039	1035	1030	1024	1019	1015	1011	1023
30	1102	1100	1092	1079	1065	1048	1024	1009	1001	996	992	990	987	982	976	970	966	961	967
35	1054	1053	1041	1023	1009	994	972	943	931	926	923	923	925	923	917	908	893	877	876
40	1004	999	976	962	949	930	903	868	845	837	836	838	841	847	842	810	782	762	756
45	943	951	945	918	872	849	813	772	741	731	732	733	742	749	727	708	697	692	671
50	856	864	846	823	791	742	704	665	639	633	635	634	635	612	613	647	662	666	603
55	759	753	734	715	661	622	590	568	549	544	545	546	530	491	534	602	628	623	565
60	635	623	605	582	533	500	488	479	462	457	457	457	417	429	480	539	597	598	561
65	514	501	476	431	398	402	395	394	385	380	373	357	334	369	422	480	534	526	490
70	379	370	322	296	297	312	322	318	311	303	293	266	265	307	345	376	410	418	392
75	282	271	221	206	216	225	226	205	196	189	180	172	195	216	237	238	227	240	228
80	194	171	146	149	140	127	120	116	110	106	101	97.5	103	103	103	124	138	167	172
85	78.9	72.1	70.9	64.8	60.2	51.7	50.8	51.7	51.5	50.2	47.2	44.8	43.7	45.9	47.1	52.6	57.7	71.1	83.3
90	14.3	12.9	13.4	13.6	14.7	16.0	15.6	14.8	13.8	15.1	15.7	16.6	17.1	18.7	21.3	26.5	26.7	27.9	36.7
95	13.4	13.1	12.8	14.5	13.9	13.0	12.0	11.1	10.4	11.1	12.0	12.1	13.3	15.1	17.1	18.8	19.6	17.2	17.9
100	20.3	21.9	20.4	21.8	21.8	20.3	17.7	17.0	15.7	16.1	17.0	18.4	21.5	24.6	23.7	21.2	21.3	22.0	24.1
105	19.0	20.0	21.9	21.8	21.1	22.5	22.4	21.9	20.4	19.6	19.9	21.3	24.7	26.0	25.6	26.6	25.2	23.8	23.6
110	15.8	17.8	20.7	24.3	24.0	23.1	21.9	20.4	19.3	17.8	17.5	17.3	22.7	27.1	29.0	31.0	28.3	25.6	27.8
115	15.2	16.1	19.6	23.0	26.0	23.4	19.8	18.2	17.0	15.8	16.4	19.4	24.5	30.1	30.9	32.7	27.8	26.0	28.9
120	13.9	17.1	19.4	21.7	21.5	21.9	19.7	18.5	17.4	16.4	17.2	20.0	24.1	29.1	33.2	32.9	23.4	22.0	22.6
125	13.3	14.7	16.0	17.9	20.0	18.8	18.3	18.1	17.1	16.0	17.0	19.7	23.8	29.7	32.4	31.0	27.4	22.2	22.4
130	11.2	12.9	13.0	14.9	16.5	18.5	18.9	17.1	16.4	15.7	16.8	19.8	23.3	28.4	28.5	26.5	25.2	21.1	20.7
135	8.45	13.0	14.6	15.4	15.6	15.9	15.5	17.2	16.4	15.4	16.9	19.8	20.8	24.7	24.6	23.3	20.7	17.7	15.8
140	10.1	11.9	13.7	11.3	14.2	13.0	14.3	13.4	12.8	12.7	14.1	16.7	19.9	19.5	23.1	20.6	15.5	14.1	12.9
145	7.89	8.27	11.1	12.2	11.7	12.6	11.5	11.8	11.7	11.4	11.9	14.1	15.8	19.0	18.8	20.6	15.4	15.9	13.1
150	7.27	6.59	10.2	11.3	10.3	9.73	10.5	10.6	10.2	10.0	10.2	13.1	15.6	15.6	17.6	15.5	14.9	14.8	11.7
155	3.81	6.77	9.93	10.7	11.8	10.3	8.60	8.23	8.89	8.92	8.50	9.37	11.8	15.0	14.4	13.0	13.4	12.6	9.13
160	4.88	7.33	9.33	10.7	11.1	10.9	9.66	6.96	7.39	7.25	7.30	8.92	10.2	10.2	10.1	12.1	13.3	12.1	8.78
165	5.04	6.43	8.04	9.39	9.71	9.06	8.59	6.84	6.00	5.98	5.32	5.67	6.30	7.61	8.33	9.59	9.66	8.85	7.37
170	3.95	4.21	5.01	4.01	4.19	4.65	4.65	4.29	3.97	3.89	3.75	3.80	4.07	4.79	5.81	5.99	5.95	5.36	5.29
175	2.18	1.97	2.14	2.05	1.80	1.94	1.97	1.83	2.06	2.08	1.83	2.16	2.23	2.31	2.62	2.75	2.77	2.53	3.46
180	2.90	2.69	2.63	2.86	3.09	3.00	2.87	2.67	2.55	2.54	2.40	2.19	1.84	1.66	1.33	1.46	1.47	1.37	2.91

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2019-03-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.400m [K=1.0000]
Remarks: E21513

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2 UNIT: cd

C(DEG) / γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1146	1141	1137	1134	1132	1130	1128	1127	1126	1126	1128	1130	1131	1133	1142	1148	1153		
5	1139	1134	1129	1126	1124	1122	1119	1116	1115	1115	1116	1118	1124	1129	1153	1163	1173		
10	1123	1117	1112	1109	1107	1104	1102	1099	1098	1098	1100	1102	1117	1124	1163	1179	1193		
15	1097	1091	1086	1082	1079	1076	1074	1071	1070	1073	1082	1085	1111	1119	1174	1195	1212		
20	1062	1055	1048	1044	1041	1038	1035	1033	1031	1049	1065	1069	1104	1114	1184	1210	1232		
25	1013	1005	997	993	991	991	990	989	988	1024	1048	1052	1098	1109	1195	1226	1251		
30	956	946	937	932	932	935	941	944	945	999	1030	1036	1091	1105	1206	1242	1271		
35	874	874	871	866	867	870	893	899	902	975	1013	1019	1085	1100	1216	1257	1291		
40	758	763	775	792	795	801	844	854	859	950	995	1003	1079	1095	1227	1273	1310		
45	671	668	668	691	715	732	796	809	816	925	978	986	1072	1090	1237	1288	1330		
50	603	601	592	589	625	663	747	764	773	901	960	970	1066	1086	1248	1304	1350		
55	561	546	526	515	536	594	698	719	730	876	943	953	1059	1081	1259	1320	1369		
60	543	516	472	445	446	525	650	674	687	851	925	937	1053	1076	1269	1335	1389		
65	470	452	424	374	357	456	601	629	644	827	908	920	1047	1071	1280	1351	1409		
70	369	347	334	304	267	388	553	584	601	802	891	904	1040	1066	1290	1366	1428		
75	216	201	240	233	177	319	504	539	558	777	873	887	1034	1062	1301	1382	1448		
80	162	167	146	162	87.6	250	456	494	515	753	856	871	1027	1057	1312	1398	1467		
85	88.0	104	51.8	91.9	0.00	181	407	449	472	728	838	854	1021	1052	1322	1413	1487		
90	42.8	20.3	0.00	21.4	0.00	112	359	405	429	703	821	838	1014	1047	1333	1429	1507		
95	18.9	0.00	0.00	0.00	0.00	42.7	310	360	386	679	803	821	1008	1043	1343	1445	1526		
100	25.2	0.00	0.00	0.00	0.00	0.00	262	315	343	654	786	805	1002	1038	1354	1460	1546		
105	24.2	0.00	0.00	0.00	0.00	0.00	213	270	300	629	768	788	995	1033	1364	1476	1566		
110	28.5	0.00	0.00	0.00	0.00	0.00	165	225	257	605	751	772	989	1028	1375	1491	1585		
115	29.8	0.00	0.00	0.00	0.00	0.00	116	180	214	580	734	755	982	1024	1386	1507	1605		
120	21.6	0.00	0.00	0.00	0.00	0.00	67.8	135	171	555	716	739	976	1019	1396	1523	1625		
125	12.7	0.00	0.00	0.00	0.00	0.00	19.3	89.9	128	531	699	722	969	1014	1407	1538	1644		
130	3.84	0.00	0.00	0.00	0.00	0.00	0.00	44.9	84.9	506	681	706	963	1009	1417	1554	1664		
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.0	481	664	689	957	1004	1428	1570	1683		
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	457	646	673	950	1000	1439	1585	1703		
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	432	629	656	944	995	1449	1601	1723		
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	407	611	640	937	990	1460	1616	1742		
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	383	594	623	931	985	1470	1632	1762		
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	358	577	607	924	981	1481	1648	1782		
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	333	559	590	918	976	1491	1663	1801		
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	309	542	574	912	971	1502	1679	1821		
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	284	524	557	905	966	1513	1694	1841		
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	259	507	541	899	961	1523	1710	1860		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2019-03-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.400m [K=1.0000]
Remarks: E21513