

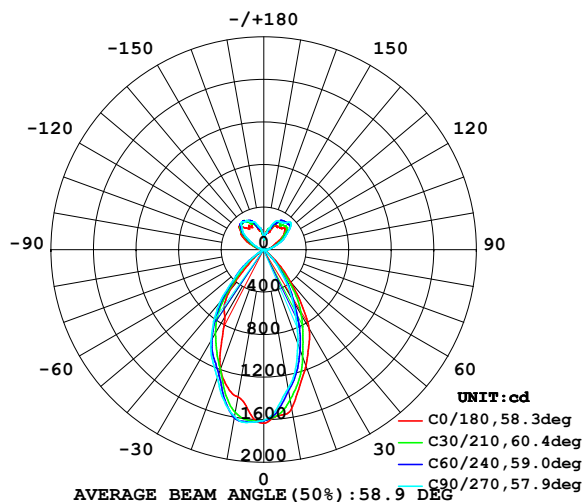
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

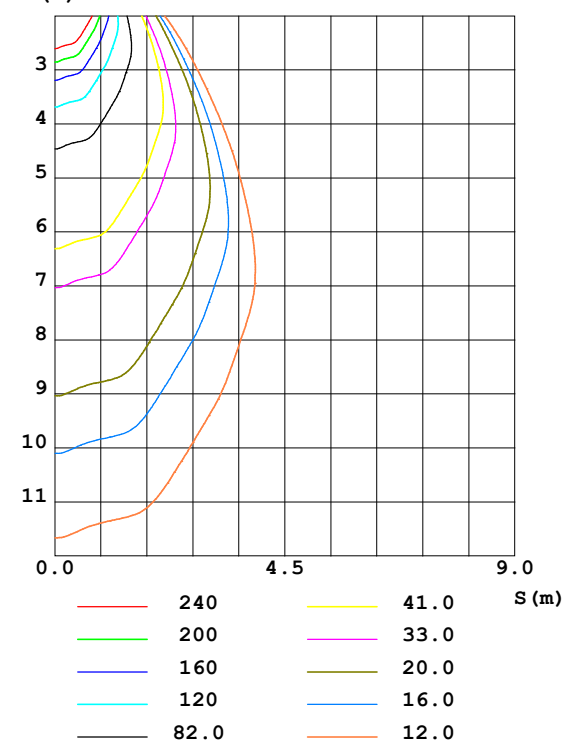
Test:U:119.4V I:0.5469A P:65.09W PF:0.9972 Lamp Flux:2632.1x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 40.44 lm/W			
MODEL		Imax(cd)	1635	S/MH(C0/180)	0.86
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.71
RATED VOLTAGE(V)		TOTAL FLUX(lm)	2632.1	η UP,DN(C0-180)	21.4,23.6
NOMINAL FLUX(lm)	2632.1	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	19.0,36.1
LAMPS INSIDE	1	η up(%)	40.4	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)		η down(%)	59.6	CIBSE SHR MAX	0.95

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-06-16

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.604m [K=1.0000]
Remarks: E22656-11MS

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Uncorrected UGR Table

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	13.2	14.1	14.0	14.8	15.6	10.7	11.5	11.4	12.2	13.1
3H	12.9	13.7	13.7	14.4	15.3	10.4	11.1	11.2	11.9	12.8
4H	12.8	13.5	13.6	14.2	15.2	10.2	10.9	11.0	11.7	12.6
6H	12.6	13.3	13.5	14.1	15.0	10.1	10.7	10.9	11.5	12.5
8H	12.6	13.2	13.4	14.0	15.0	10.0	10.6	10.8	11.4	12.4
12H	12.5	13.1	13.3	13.9	14.9	10.0	10.6	10.8	11.4	12.4
4H 2H	12.8	13.5	13.6	14.2	15.2	10.2	10.9	11.0	11.7	12.6
3H	12.5	13.0	13.3	13.9	14.9	9.9	10.5	10.7	11.3	12.3
4H	12.3	12.8	13.2	13.7	14.7	9.8	10.3	10.6	11.1	12.1
6H	12.1	12.6	13.0	13.5	14.5	9.6	10.0	10.5	10.9	12.0
8H	12.1	12.5	13.0	13.4	14.5	9.5	9.9	10.4	10.8	11.9
12H	12.0	12.4	12.9	13.3	14.4	9.5	9.9	10.5	10.8	11.9
8H 4H	12.1	12.5	13.0	13.3	14.4	9.5	9.9	10.4	10.8	11.9
6H	11.9	12.2	12.8	13.1	14.3	9.3	9.7	10.3	10.6	11.7
8H	11.8	12.1	12.8	13.0	14.2	9.3	9.6	10.2	10.5	11.7
12H	11.7	12.0	12.7	12.9	14.1	9.4	9.6	10.3	10.5	11.7
12H 4H	12.0	12.3	12.9	13.2	14.3	9.4	9.8	10.3	10.7	11.8
6H	11.8	12.1	12.7	13.0	14.2	9.3	9.5	10.2	10.5	11.6
8H	11.7	12.0	12.7	12.9	14.1	9.2	9.5	10.2	10.4	11.6
Variations with the observer position at spacings:										
S = 1.0H	+ 3.3 / -14.6					+ 2.5 / -11.5				
1.5H	+ 5.3 / -15.2					+ 4.6 / -12.1				
2.0H	+ 8.8 / -10.1					+ 8.2 / - 6.6				

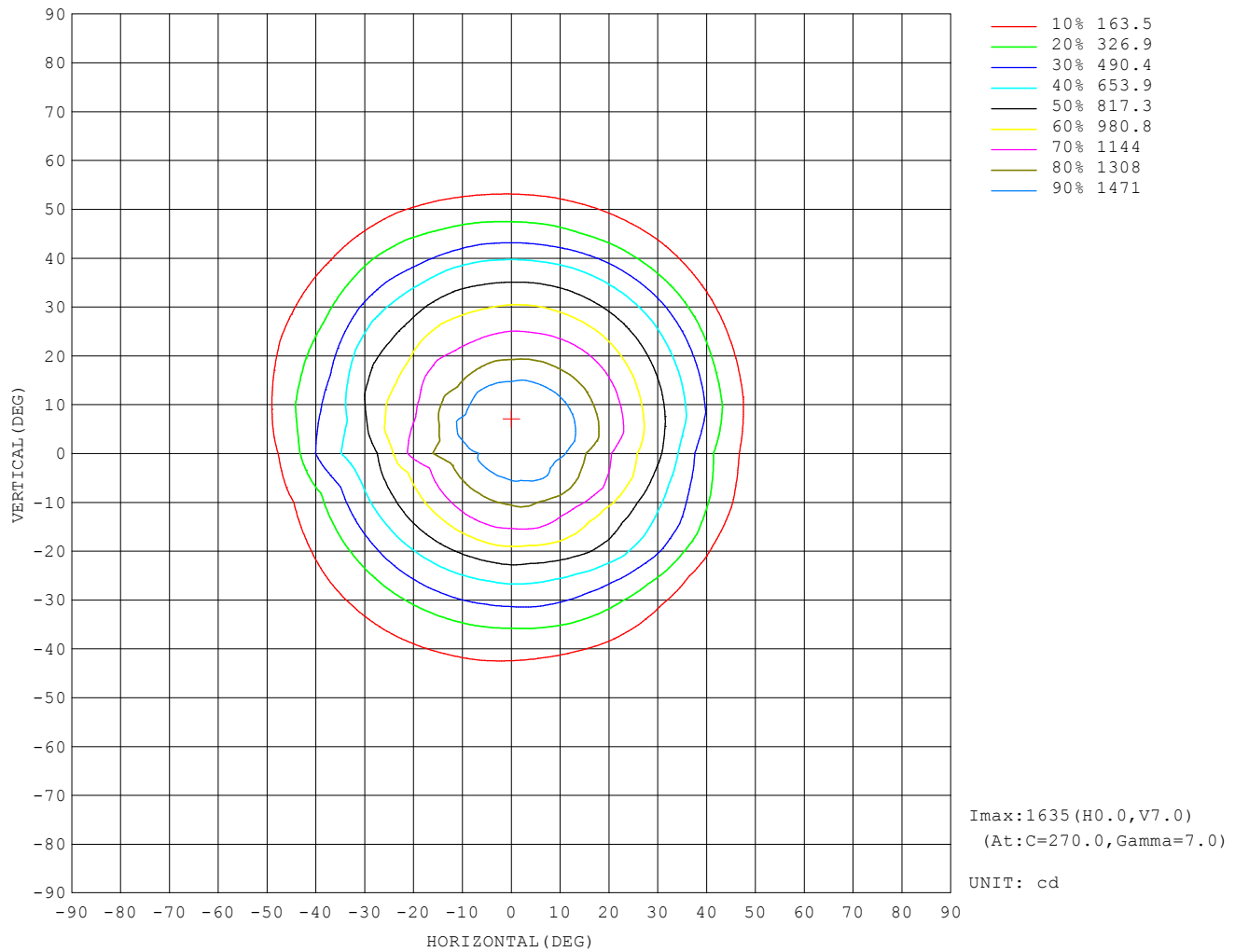
CIE Pub.117 Corrected 2632 lm Total Lamp Luminous Flux. (8log(F/F0) = 3.4)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-06-16

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity: 55.0%
Test Distance: 2.604m [K=1.0000]
Remarks: E22656-11MS

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

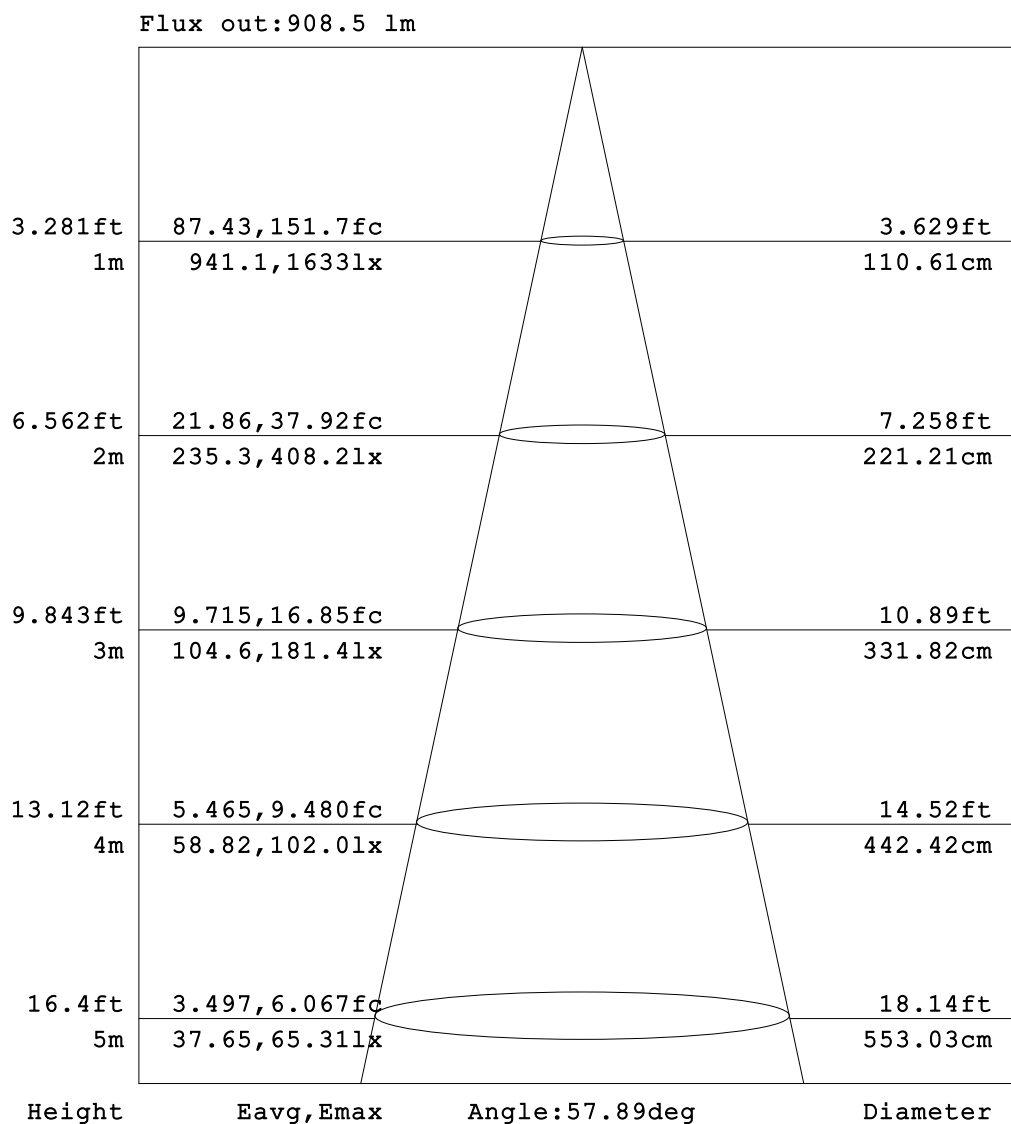
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-06-16

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.604m [K=1.0000]
Remarks: E22656-11MS

AAI Figure



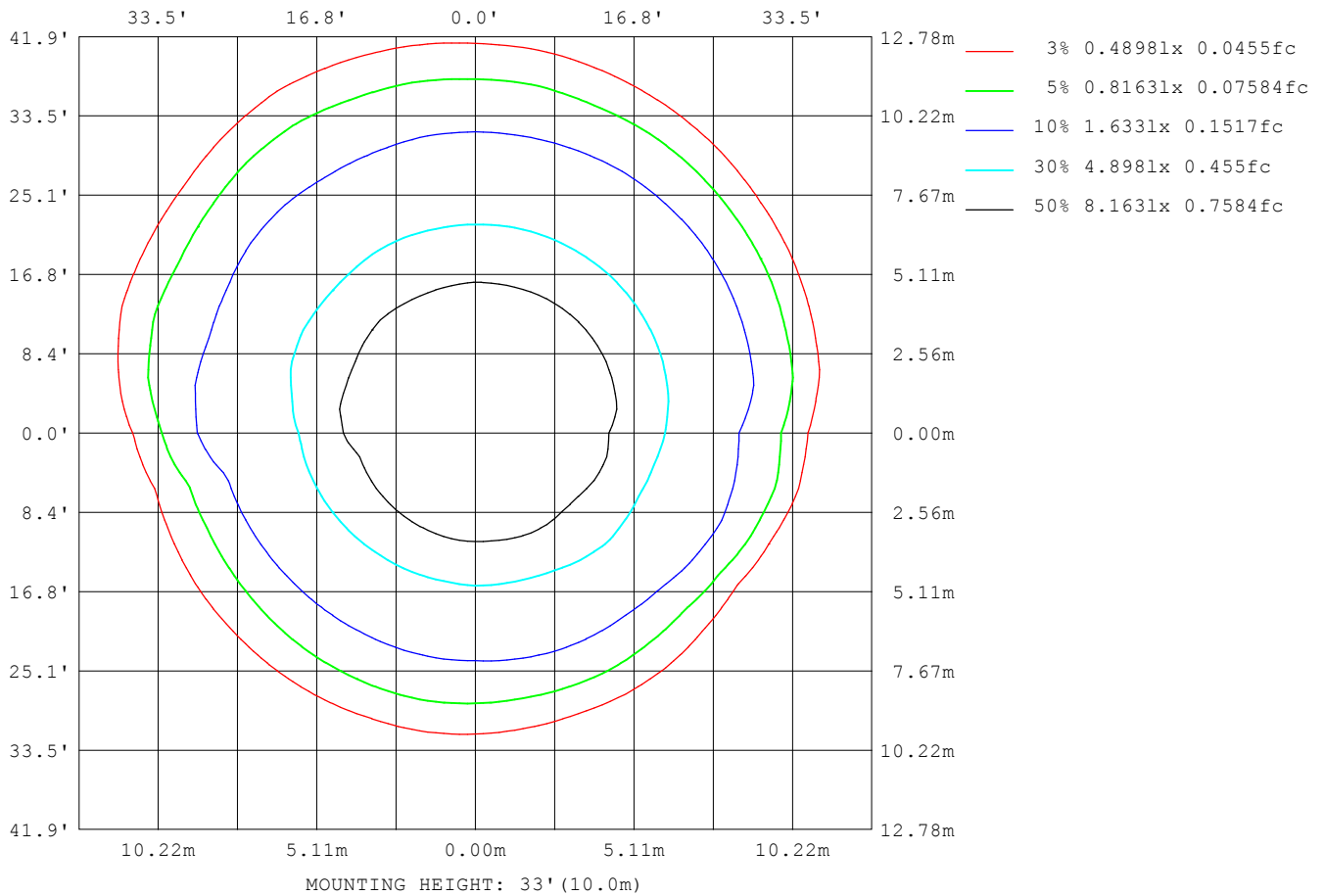
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-06-16

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity: 55.0%
Test Distance: 2.604m [K=1.0000]
Remarks: E22656-11MS

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

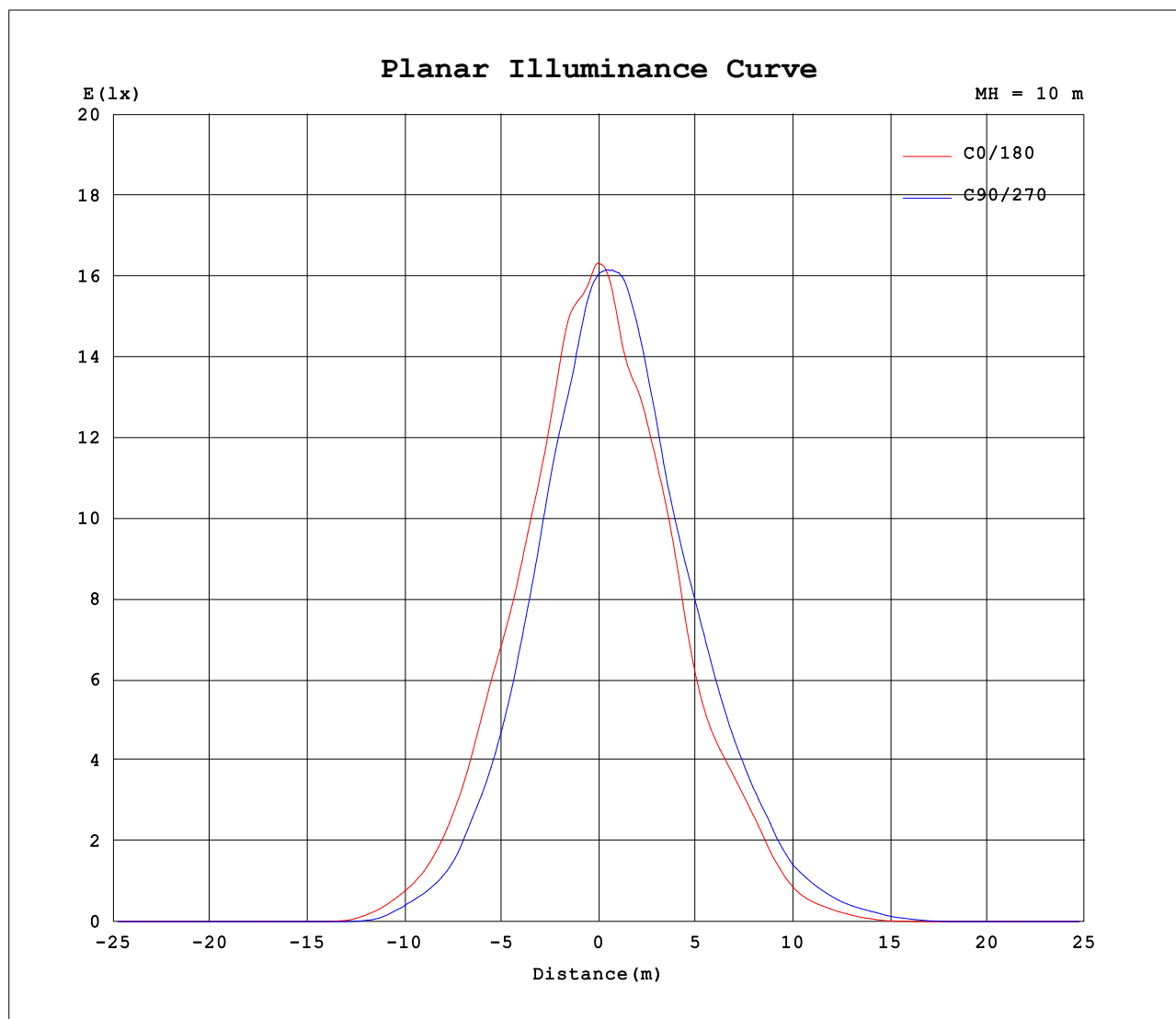
ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-06-16

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity: 55.0%
Test Distance: 2.604m [K=1.0000]
Remarks: E22656-11MS

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-06-16

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity: 55.0%
Test Distance: 2.604m [K=1.0000]
Remarks: E22656-11MS

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

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	1633	1616	1619	1607	1610	1610	1610	1607	1602	1605	1603	1599	1597	1598	1598	1598	1597	1596	1633
5	1568	1592	1555	1560	1552	1544	1520	1506	1499	1491	1485	1477	1485	1487	1496	1506	1515	1529	1540
10	1516	1443	1436	1434	1411	1378	1350	1344	1337	1325	1319	1318	1317	1320	1333	1342	1358	1376	1406
15	1319	1301	1295	1276	1238	1199	1194	1196	1178	1161	1163	1160	1161	1168	1176	1189	1204	1217	1333
20	1162	1155	1145	1072	1021	1014	1001	972	945	941	938	933	940	951	966	987	1008	1034	1196
25	1003	994	931	874	862	843	789	746	727	724	714	717	729	751	779	808	836	868	933
30	852	777	724	709	687	616	571	553	547	536	532	538	548	563	586	615	656	698	738
35	611	568	560	534	462	414	398	390	377	361	364	368	375	390	412	438	472	509	650
40	383	382	370	301	242	227	221	215	209	211	216	218	220	225	230	247	278	315	493
45	213	208	154	116	116	117	113	106	109	113	118	122	130	137	144	154	161	170	244
50	66.8	41.2	18.5	17.0	16.4	12.0	10.5	10.5	12.3	13.9	11.9	15.9	22.9	29.6	41.6	54.4	66.1	81.7	122
55	3.11	3.14	3.17	3.05	3.04	2.93	2.75	2.78	2.85	2.92	2.86	2.72	2.59	2.55	2.65	2.75	3.38	7.64	30.6
60	2.76	2.82	2.79	2.73	2.65	2.51	2.39	2.40	2.49	2.61	2.54	2.36	2.23	2.17	2.26	2.35	2.37	2.37	2.70
65	2.46	2.45	2.42	2.42	2.28	2.16	2.14	2.27	2.46	2.61	2.51	2.27	2.08	1.92	1.95	2.00	1.96	1.97	1.97
70	2.22	2.22	2.25	2.26	2.17	2.15	2.17	2.18	2.24	2.36	2.22	2.03	1.89	1.75	1.74	1.80	1.76	1.73	1.70
75	1.90	1.92	1.99	1.98	1.90	1.85	1.78	1.75	1.75	1.88	1.81	1.66	1.58	1.53	1.56	1.64	1.74	1.76	1.52
80	1.65	1.81	1.75	1.71	1.61	1.64	1.58	1.58	1.59	1.71	1.65	1.54	1.48	1.48	1.53	1.58	1.57	1.60	1.36
85	1.70	1.65	1.62	1.81	1.88	1.92	2.13	2.80	3.59	3.71	3.89	3.63	3.13	2.50	1.89	1.57	1.50	1.48	1.36
90	4.22	3.80	5.82	8.05	8.55	9.80	12.7	14.7	15.0	15.0	15.4	14.3	12.8	10.8	8.41	6.00	3.88	2.23	4.76
95	12.1	16.3	22.7	24.0	26.3	30.4	33.4	33.7	33.8	34.1	33.4	31.8	29.9	27.6	24.4	21.2	17.3	13.4	20.8
100	28.5	39.9	43.8	44.7	48.8	53.3	54.2	54.0	55.3	55.2	54.0	52.7	51.7	49.7	47.1	43.8	39.6	35.8	44.1
105	60.4	65.1	67.0	72.7	79.3	82.1	81.3	84.7	85.9	85.1	84.7	84.7	83.5	81.7	79.0	75.4	71.0	65.2	71.6
110	89.9	91.3	101	112	114	116	120	124	124	123	124	123	120	119	115	112	107	100	110
115	115	128	146	152	153	163	173	175	175	177	176	173	170	166	161	156	148	140	166
120	157	187	196	197	208	221	223	224	226	226	225	223	221	219	217	211	204	196	217
125	218	226	224	232	245	264	265	268	271	269	269	270	268	268	254	243	232	232	261
130	257	256	258	282	281	292	322	328	329	327	329	329	328	314	286	289	276	267	291
135	281	292	304	300	317	324	337	355	360	360	358	354	337	320	315	307	292	293	317
140	259	283	278	296	328	333	336	330	335	334	332	328	327	322	330	283	258	268	265
145	279	277	261	271	331	336	327	320	319	315	315	313	317	328	327	304	275	257	241
150	250	260	267	294	306	317	319	310	305	304	304	302	305	315	294	289	264	267	248
155	253	264	259	269	269	283	270	284	295	301	297	289	270	267	269	271	261	275	266
160	200	227	227	230	227	233	236	242	255	264	260	250	235	246	232	234	236	245	253
165	167	194	202	199	193	198	203	202	202	208	215	215	216	205	199	196	209	207	199
170	186	194	192	180	177	166	157	159	164	167	171	187	186	187	191	193	188	205	200
175	134	129	129	127	121	130	124	122	128	135	134	138	142	144	142	139	137	135	142
180	135	134	122	124	122	116	114	105	98.7	95.5	91.7	88.5	87.5	96.0	93.2	89.9	118	116	118

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-06-16

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.604m [K=1.0000]
Remarks: E22656-11MS

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

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	1616	1619	1607	1610	1610	1610	1607	1602	1605	1603	1599	1597	1598	1598	1598	1597	1596		
5	1612	1618	1612	1616	1625	1627	1626	1629	1630	1626	1624	1618	1611	1610	1599	1594	1588		
10	1438	1543	1553	1539	1584	1604	1601	1590	1593	1585	1581	1579	1572	1568	1561	1546	1539		
15	1302	1335	1401	1394	1400	1442	1455	1463	1461	1477	1477	1478	1478	1474	1464	1446	1420		
20	1171	1167	1199	1248	1237	1243	1261	1278	1280	1290	1299	1302	1307	1305	1291	1277	1252		
25	1036	1042	1052	1091	1124	1118	1121	1133	1144	1146	1152	1159	1160	1155	1139	1116	1088		
30	817	898	909	913	949	975	976	983	997	1000	996	993	987	971	952	925	895		
35	628	697	756	766	772	797	816	815	819	823	821	815	806	791	772	747	711		
40	484	484	545	593	600	604	631	642	640	639	640	632	619	604	578	551	515		
45	329	340	343	374	394	395	396	402	400	396	391	390	378	366	346	314	288		
50	164	202	211	224	248	264	258	257	247	241	225	213	197	177	159	138	116		
55	43.2	70.0	93.0	86.0	94.7	110	118	120	121	116	104	88.3	70.7	51.4	38.8	19.6	9.50		
60	2.45	2.38	3.10	4.11	4.42	5.94	9.19	13.1	13.2	14.8	14.1	11.2	9.18	7.05	4.41	2.71	2.75		
65	1.99	1.88	1.88	1.85	1.88	1.95	2.08	2.35	2.63	2.65	2.63	2.51	2.27	2.24	2.29	2.33	2.40		
70	1.69	1.65	1.62	1.57	1.63	1.72	1.83	2.06	2.34	2.29	2.11	2.03	2.01	1.99	2.01	2.05	2.09		
75	1.49	1.47	1.41	1.42	1.42	1.49	1.61	1.79	2.05	1.97	1.85	1.83	1.80	1.75	1.78	1.80	1.82		
80	1.36	1.36	1.30	1.32	1.32	1.32	1.38	1.48	1.64	1.58	1.56	1.57	1.58	1.55	1.60	1.54	1.60		
85	1.32	1.31	1.24	1.23	1.22	1.22	1.22	1.24	1.27	1.26	1.27	1.26	1.30	1.32	1.47	1.58	1.69		
90	1.49	1.38	1.30	1.18	1.17	1.26	1.33	1.37	1.46	1.56	1.74	1.97	2.23	2.54	3.00	3.74	4.72		
95	12.6	7.23	7.19	7.05	5.01	3.81	4.25	4.94	5.45	6.15	7.51	9.23	10.4	12.1	14.1	16.0	19.6		
100	38.9	29.7	23.7	22.6	21.2	19.8	19.3	19.7	20.3	20.6	21.2	22.4	23.4	25.0	27.9	31.2	36.3		
105	72.1	66.1	55.4	45.6	42.9	39.8	35.1	33.0	33.3	33.9	34.6	36.3	39.0	42.9	48.6	54.6	61.2		
110	102	98.5	94.3	82.4	73.1	69.9	66.4	62.0	59.3	60.2	61.9	64.7	68.9	74.0	80.1	86.8	93.3		
115	144	135	130	125	112	102	98.7	96.3	93.0	92.1	94.5	97.9	102	108	115	122	130		
120	213	186	172	165	160	148	140	137	137	135	137	140	145	150	158	165	175		
125	254	245	230	221	216	211	201	194	198	199	198	198	200	203	203	210	212		
130	273	278	280	271	276	271	267	261	257	257	257	259	263	257	261	256	255		
135	307	314	316	321	312	310	302	296	290	287	288	291	288	287	279	286	281		
140	289	294	322	320	337	323	334	334	331	328	327	312	317	308	307	274	284		
145	255	260	333	332	319	333	328	318	317	316	318	325	312	315	313	260	265		
150	258	290	306	332	323	311	310	315	318	313	305	304	310	310	292	258	254		
155	278	281	271	286	306	303	296	290	289	289	292	290	286	272	250	254	244		
160	237	256	256	242	261	261	273	281	280	277	275	263	258	229	220	227	213		
165	215	207	224	215	221	216	234	237	244	242	235	228	206	195	187	200	172		
170	204	189	192	206	209	202	201	203	208	204	202	186	176	180	188	184	173		
175	145	150	144	147	157	158	158	157	161	163	157	150	147	147	144	140	136		
180	127	126	120	117	115	111	107	104	103	107	106	106	105	103	106	111	116		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-06-16

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.604m [K=1.0000]
Remarks: E22656-11MS