

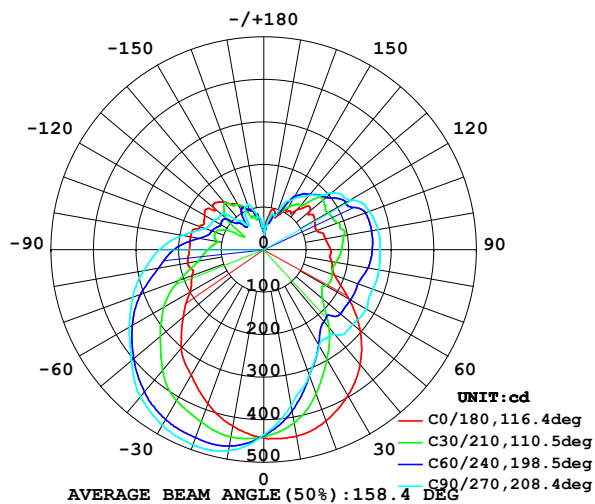
## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINAIRE PHOTOMETRIC TEST REPORT

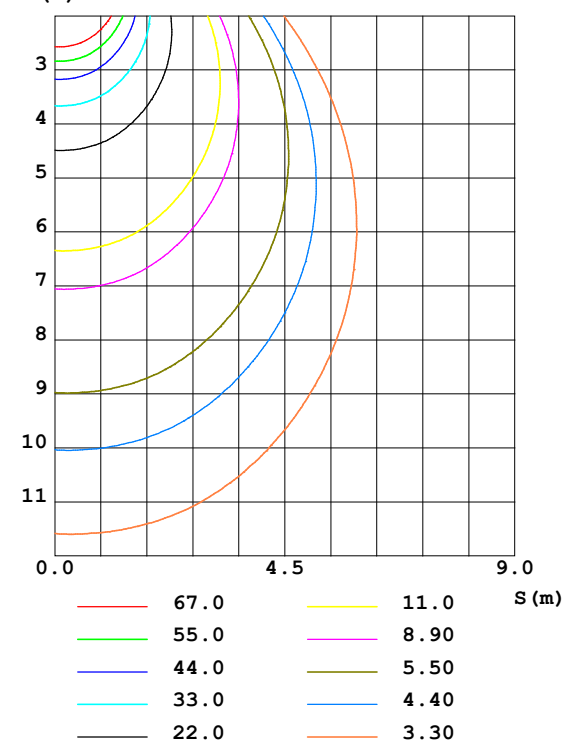
Test:U:119.8V I:0.2740A P:32.72W PF:0.9967 Lamp Flux:2804.2x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 85.71 lm/W			
MODEL		I <sub>max</sub> (cd)	490.8	S/MH (C0/180)	1.33
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.91
RATED VOLTAGE (V)		TOTAL FLUX (lm)	2804.2	η UP, DN (C0-180)	20.8, 28.3
NOMINAL FLUX (lm)	2804.2	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	14.5, 36.4
LAMPS INSIDE	1	η up (%)	35.3	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	64.7	CIBSE SHR MAX	1.35

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: DAMIN  
 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: E22655-11MS

# 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	18.6	19.8	19.3	20.5	21.4	20.4	21.6	21.1	22.3	23.2
3H	21.1	22.2	21.9	23.0	23.9	23.8	24.8	24.5	25.6	26.5
4H	22.6	23.6	23.4	24.4	25.4	25.7	26.7	26.4	27.5	28.4
6H	24.5	25.4	25.2	26.2	27.2	27.8	28.8	28.6	29.6	30.6
8H	25.5	26.5	26.3	27.3	28.2	29.0	29.9	29.8	30.7	31.7
12H	26.7	27.6	27.5	28.4	29.4	30.3	31.2	31.1	32.0	33.0
4H 2H	19.7	20.7	20.4	21.5	22.4	21.0	22.0	21.7	22.8	23.7
3H	22.3	23.2	23.1	24.0	25.0	24.6	25.5	25.4	26.3	27.3
4H	23.9	24.7	24.7	25.6	26.6	26.7	27.5	27.5	28.4	29.4
6H	25.9	26.6	26.7	27.4	28.5	29.1	29.8	29.9	30.7	31.7
8H	27.0	27.7	27.8	28.5	29.6	30.4	31.1	31.3	32.0	33.0
12H	28.3	28.9	29.2	29.8	30.9	31.9	32.5	32.7	33.4	34.5
8H 4H	25.0	25.7	25.8	26.5	27.6	27.2	27.8	28.0	28.7	29.8
6H	27.1	27.7	28.0	28.6	29.7	29.9	30.5	30.8	31.3	32.4
8H	28.4	28.9	29.3	29.8	30.9	31.4	31.9	32.3	32.8	34.0
12H	29.8	30.3	30.7	31.2	32.3	33.2	33.6	34.1	34.5	35.7
12H 4H	25.4	26.1	26.3	26.9	28.0	27.2	27.9	28.1	28.7	29.8
6H	27.7	28.2	28.6	29.1	30.2	30.1	30.6	31.0	31.5	32.6
8H	29.1	29.5	30.0	30.4	31.6	31.7	32.2	32.6	33.1	34.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.2					+ 0.3 / - 0.4				

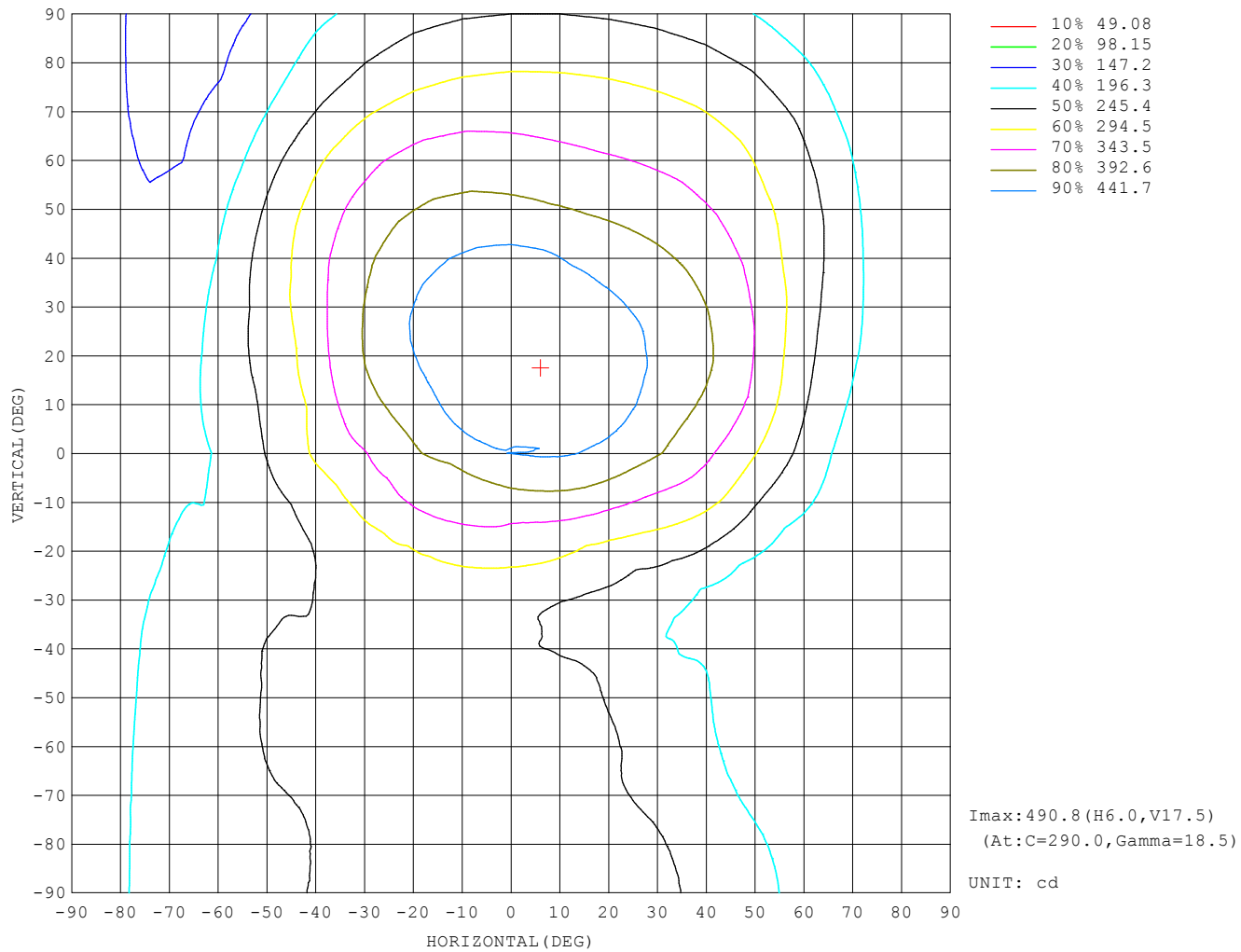
CIE Pub.117 Corrected 2804 lm Total Lamp Luminous Flux. (8log(F/F0) = 3.6)

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
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: E22655-11MS

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

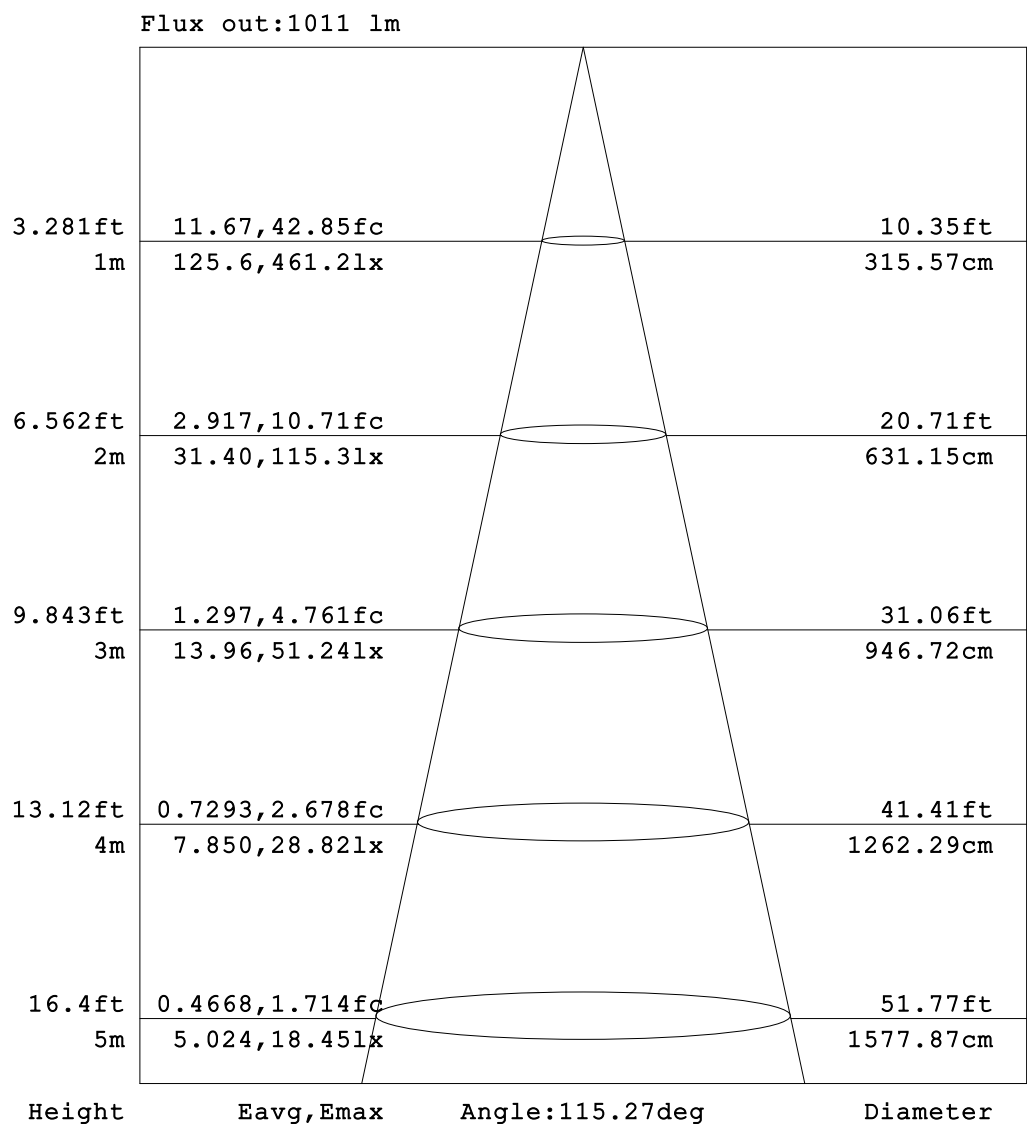
## ISOCANDELA DIAGRAM



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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.273  
Humidity: 55.0%  
Test Distance: 2.604m [K=1.0000]  
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## AAI Figure



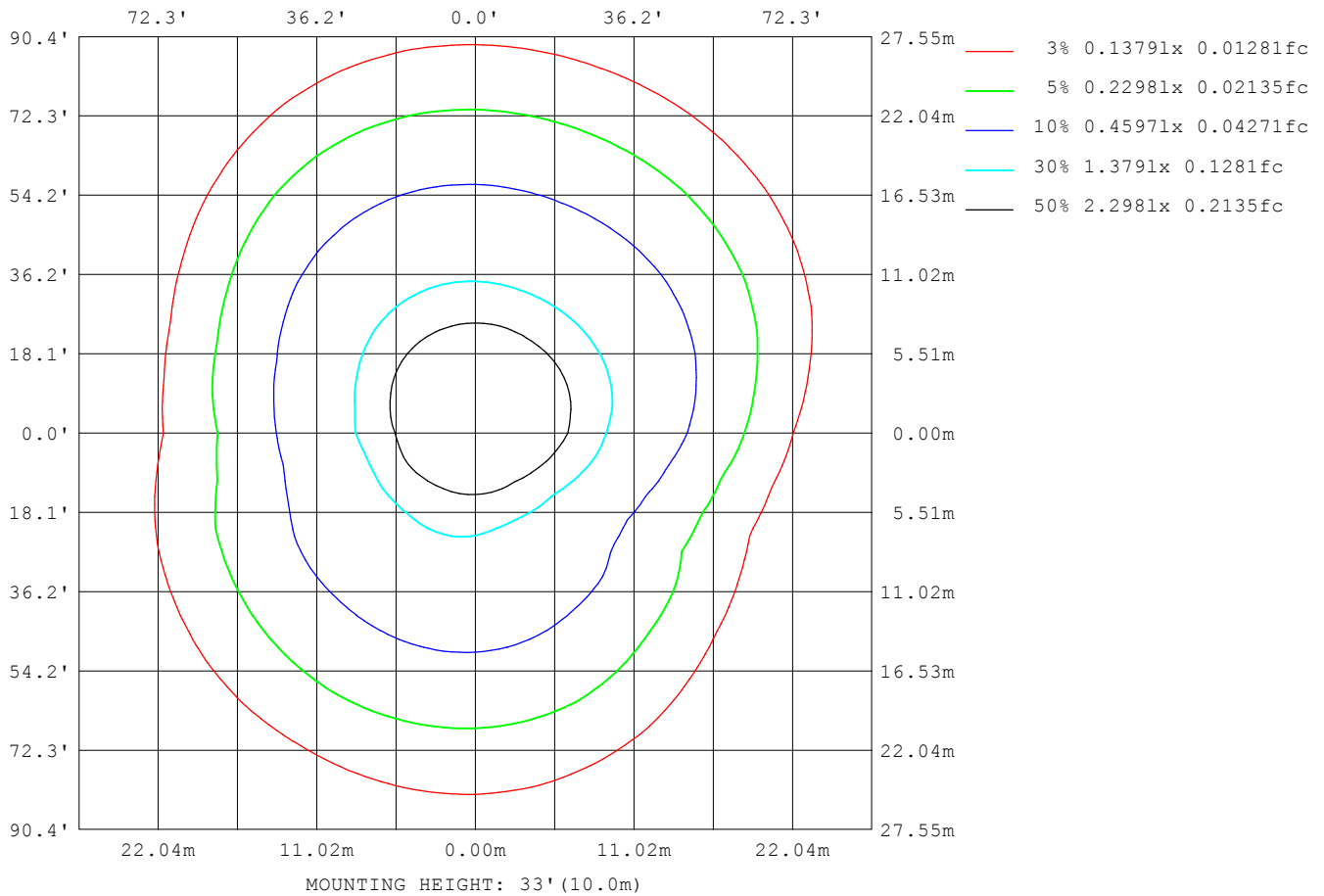
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.273  
Humidity: 55.0%  
Test Distance: 2.604m [K=1.0000]  
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# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

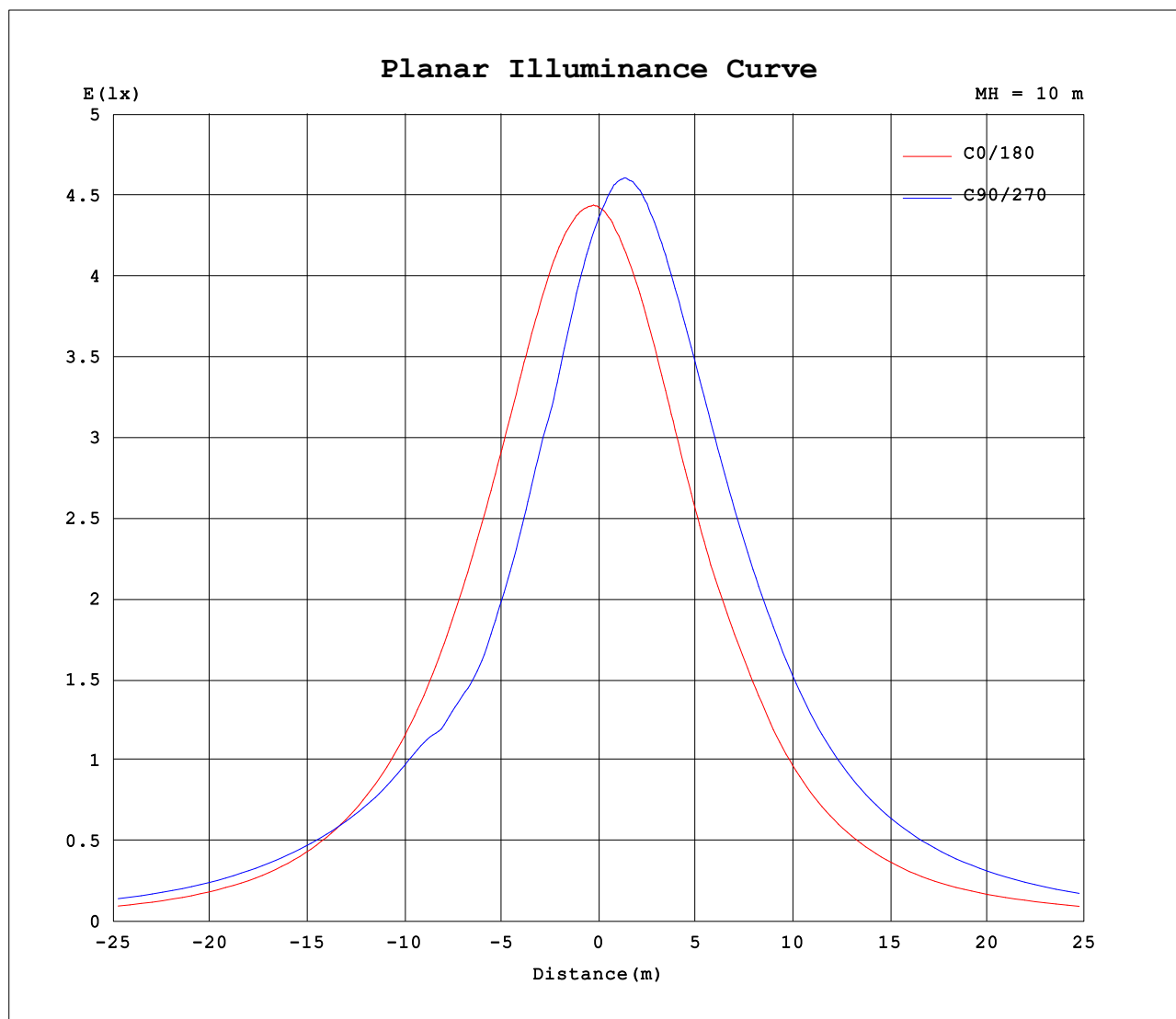
## ISOLUX DIAGRAM



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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.273  
Humidity: 55.0%  
Test Distance: 2.604m [K=1.0000]  
Remarks: E22655-11MS

## Planar Illuminance Curve



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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.273  
Humidity: 55.0%  
Test Distance: 2.604m [K=1.0000]  
Remarks: E22655-11MS

# 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	443	441	441	440	439	438	438	437	437	436	435	434	434	433	432	433	432	432	443
5	446	440	435	429	424	419	414	411	409	407	406	405	405	407	409	412	415	419	434
10	445	436	425	413	402	393	385	379	375	372	371	371	374	377	382	388	395	402	421
15	440	426	408	390	374	361	351	343	340	342	344	347	351	355	358	361	370	381	405
20	428	407	383	360	341	326	314	314	314	314	315	319	326	335	344	351	355	359	385
25	413	383	354	328	305	288	287	285	284	286	289	293	297	303	318	332	341	346	363
30	396	359	327	298	272	264	259	256	257	261	267	274	281	285	286	299	318	330	341
35	376	340	304	269	242	238	232	236	246	255	262	264	263	264	273	274	282	300	324
40	352	318	276	239	218	215	221	232	244	260	269	269	265	265	258	256	262	270	303
45	325	287	241	205	199	205	218	247	264	274	279	282	280	272	256	249	242	249	274
50	296	247	202	181	188	212	235	252	265	273	278	279	278	274	265	243	232	231	248
55	264	210	178	168	196	216	234	254	269	277	281	280	276	270	264	251	227	215	224
60	230	186	168	168	194	213	236	256	270	278	281	280	276	268	260	251	231	208	201
65	200	172	158	174	190	212	237	255	266	273	275	274	273	266	257	244	231	205	188
70	178	162	156	171	188	213	236	254	267	273	273	270	264	260	253	241	224	208	180
75	166	154	157	169	191	216	241	260	271	275	274	269	261	252	246	236	220	202	176
80	162	160	153	173	197	225	249	265	273	275	271	266	258	248	238	231	216	197	182
85	157	155	155	179	205	232	253	267	274	274	270	263	255	247	235	224	213	194	178
90	157	150	158	183	209	235	255	268	274	274	269	263	256	247	238	224	210	193	175
95	152	148	162	186	212	238	257	269	275	274	270	265	258	250	240	228	211	194	175
100	147	149	167	191	216	240	257	268	273	273	270	265	260	252	242	230	214	194	175
105	146	153	173	189	220	242	257	265	270	269	267	263	259	253	242	218	206	192	174
110	133	147	163	185	201	237	254	261	265	264	262	259	256	248	220	211	181	175	160
115	134	146	162	179	204	216	235	251	256	257	255	250	242	225	222	189	173	164	156
120	138	146	159	175	189	215	222	225	231	234	233	228	226	227	200	203	164	168	161
125	142	147	132	177	187	194	211	222	225	225	225	224	218	198	203	206	147	169	165
130	142	147	142	182	183	185	192	202	211	208	209	205	195	197	197	196	145	166	153
135	145	131	146	170	172	181	182	185	182	181	177	183	190	194	191	183	157	150	157
140	123	119	138	134	167	164	170	170	163	167	163	167	175	174	175	155	141	118	146
145	110	115	120	129	139	156	160	154	149	152	157	151	161	161	152	144	142	125	132
150	106	106	99.8	115	124	134	144	134	138	136	147	138	145	146	136	110	124	118	122
155	93.6	96.8	92.0	100	117	113	107	111	120	124	137	128	115	118	112	118	95.9	99.3	109
160	80.5	78.1	82.4	90.0	101	104	88.9	81.4	84.1	89.6	97.9	98.9	92.9	95.4	110	99.5	86.7	77.1	101
165	96.3	95.2	90.9	86.6	81.3	78.3	77.7	76.7	77.7	87.8	92.8	96.3	97.3	93.6	91.0	87.6	87.1	74.9	97.2
170	89.7	86.5	74.1	68.9	66.6	66.4	62.9	67.0	68.3	76.6	82.7	85.1	83.1	82.4	82.1	77.2	68.2	71.9	81.2
175	64.5	61.6	53.2	42.8	42.1	43.4	43.1	42.2	43.1	51.6	54.2	54.1	52.0	48.3	45.3	44.8	49.5	54.6	61.9
180	56.7	56.5	56.1	53.5	53.8	55.7	66.2	68.6	65.0	75.0	74.1	73.8	70.4	64.2	56.1	53.3	51.6	54.8	55.7

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
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: E22655-11MS

# 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	441	441	440	439	438	438	437	437	436	435	434	434	433	432	433	432	432		
5	438	442	446	449	453	457	459	461	463	463	462	460	458	454	450	446	440		
10	430	439	447	455	462	469	474	478	480	480	480	479	475	470	464	456	447		
15	416	429	442	453	464	473	479	485	487	489	489	488	484	479	471	461	449		
20	398	415	431	446	460	470	479	484	488	490	490	490	485	479	470	459	444		
25	381	401	420	439	455	467	476	482	485	486	487	483	478	472	462	449	430		
30	366	387	410	432	449	461	469	474	477	477	476	471	465	460	449	434	412		
35	343	368	395	419	438	451	459	463	465	465	461	455	450	445	435	420	398		
40	312	341	370	398	421	436	446	450	451	450	442	437	434	430	422	408	384		
45	280	310	342	375	402	419	429	432	431	425	419	416	416	413	406	392	366		
50	257	281	317	353	381	399	408	410	406	400	396	395	395	393	386	369	341		
55	241	261	294	331	360	378	387	389	384	378	375	374	373	371	362	340	308		
60	223	240	271	308	337	357	367	369	365	360	355	354	353	348	334	310	270		
65	197	213	245	280	313	334	346	349	346	341	337	336	333	325	309	280	239		
70	170	181	212	249	282	309	323	329	328	325	321	320	315	305	286	258	217		
75	158	156	179	216	251	278	296	306	308	308	306	301	295	284	265	236	197		
80	150	145	156	189	224	252	271	282	286	286	284	279	272	259	237	205	173		
85	149	137	143	171	204	231	250	261	266	266	263	257	246	228	202	173	162		
90	150	129	132	155	185	212	230	241	245	245	241	232	217	195	171	159	156		
95	151	125	121	136	160	185	205	216	222	223	217	206	190	170	157	157	155		
100	154	137	110	121	135	155	174	187	194	196	191	182	168	156	153	152	153		
105	157	138	121	111	125	135	148	159	167	169	166	160	153	148	151	147	146		
110	142	122	121	118	118	130	136	142	147	149	148	145	145	148	143	130	127		
115	133	105	109	117	116	124	132	136	138	140	142	145	145	143	117	93.3	113		
120	131	124	76.7	112	117	117	125	133	138	140	142	140	142	134	93.3	111	117		
125	128	123	61.6	85.6	113	120	123	126	129	133	136	138	132	91.7	78.3	122	113		
130	132	138	118	68.5	90.6	110	122	127	130	132	132	121	90.1	87.3	106	130	119		
135	144	139	132	75.8	83.4	88.2	95.1	106	111	108	97.0	88.9	88.7	85.4	125	129	125		
140	119	132	143	116	72.6	73.6	85.7	88.4	88.4	86.2	85.9	80.9	79.1	112	136	110	105		
145	105	120	125	132	107	72.0	60.1	64.8	71.8	67.4	68.7	77.2	107	128	123	98.7	82.2		
150	103	102	122	120	122	106	87.2	76.9	75.0	77.5	89.5	111	126	117	98.6	97.3	79.6		
155	96.2	96.5	108	117	111	110	104	106	105	108	108	113	108	101	85.7	79.6	78.4		
160	92.3	69.8	79.3	100	105	100	103	112	113	112	106	97.8	96.1	92.8	82.7	69.3	73.8		
165	94.5	79.7	75.9	84.2	84.0	89.1	94.5	95.6	96.1	100	99.7	95.8	87.7	81.5	80.2	76.7	78.8		
170	82.1	82.5	74.9	68.4	76.8	84.5	84.2	81.5	78.4	73.4	69.8	71.4	68.7	65.7	59.1	57.3	68.2		
175	62.1	62.7	63.1	58.5	54.8	52.3	53.4	53.9	54.5	52.9	47.4	45.9	47.7	49.1	52.3	56.7	62.1		
180	56.0	54.6	52.8	51.6	53.6	56.4	60.3	63.6	64.0	63.7	62.2	64.4	62.5	57.8	54.2	52.0	52.4		

C Range: 0 - 360DEG  
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