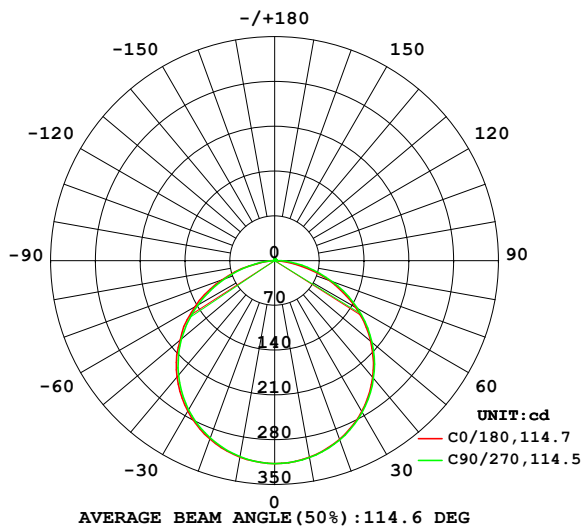


LUMINAIRE PHOTOMETRIC TEST REPORT

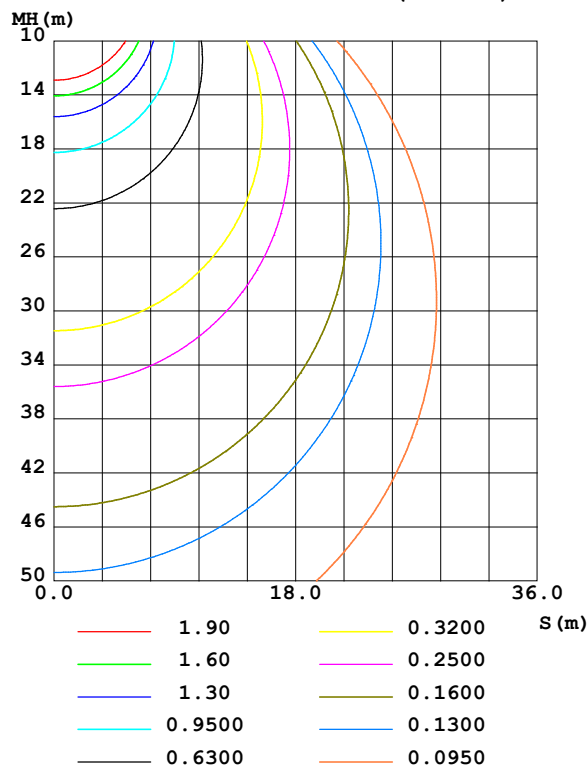
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.503*0.235	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 92.81 lm/W
MODEL	2700K RA90 11W	Imax (cd)	317.1	S/MH(C0/180)	1.27	
NOMINAL POWER(W)	11	LOR(%)	100.0	S/MH(C90/270)	1.26	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	932.82	□ UP,DN(C0-180)	0.6,50.5	
NOMINAL FLUX(lm)	2.22099	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.5,48.4	
LAMPS INSIDE	420	□ up (%)	1.1	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	□ down (%)	98.9	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-12

□ Range: 0 - 180DEG
□ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	312.1	312.2	312.6	312.7	311.9	311.7	311.1	311.1	0- 10	30.02	30.02	3.22,3.22
20	297.1	297.3	298.0	298.2	296.7	296.2	295.0	295.2	10- 20	86.27	116.3	12.5,12.5
30	272.3	272.7	273.7	274.0	271.7	270.8	269.1	269.4	20- 30	131.6	247.8	26.6,26.6
40	238.4	239.0	240.4	240.7	237.6	236.0	233.8	234.4	30- 40	160.0	407.8	43.7,43.7
50	196.1	196.3	198.8	198.5	193.0	191.6	190.0	189.8	40- 50	167.4	575.2	61.7,61.7
60	146.2	144.7	149.8	146.3	143.3	138.5	138.5	136.4	50- 60	151.7	726.9	77.9,77.9
70	90.51	90.19	95.54	92.20	87.74	82.67	82.89	81.38	60- 70	114.8	841.7	90.2,90.2
80	31.47	37.51	43.16	39.50	28.82	30.69	31.98	29.93	70- 80	63.90	905.6	97.1,97.1
90	0.7508	2.617	3.321	3.208	0.3926	0.8089	0.3663	1.160	80- 90	16.82	922.5	98.9,98.9
100	0.7301	0.7154	0.7411	0.7199	0.6597	0.6782	0.7183	0.6828	90-100	0.7433	923.2	99,99
110	1.246	1.205	1.245	1.198	1.105	1.087	1.151	1.082	100-110	0.9822	924.2	99.1,99.1
120	1.725	1.693	1.694	1.692	1.531	1.523	1.553	1.515	110-120	1.374	925.6	99.2,99.2
130	2.125	2.071	2.094	2.108	1.921	1.898	1.907	1.857	120-130	1.619	927.2	99.4,99.4
140	2.463	2.364	2.389	2.453	2.254	2.229	2.159	2.147	130-140	1.667	928.8	99.6,99.6
150	2.734	2.604	2.655	2.760	2.549	2.548	2.430	2.399	140-150	1.534	930.4	99.7,99.7
160	2.987	2.849	2.945	3.052	2.863	2.883	2.762	2.697	150-160	1.259	931.6	99.9,99.9
170	3.217	3.163	3.304	3.333	3.151	3.247	3.212	3.091	160-170	0.8598	932.5	100,100
180	3.372	3.425	3.561	3.450	3.370	3.420	3.563	3.450	170-180	0.3165	932.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 508.84 lm

%lum = 54.5%

%lamp = 54.5%

Conical surface Flux(120deg): 726.92 lm

%lum = 77.9%

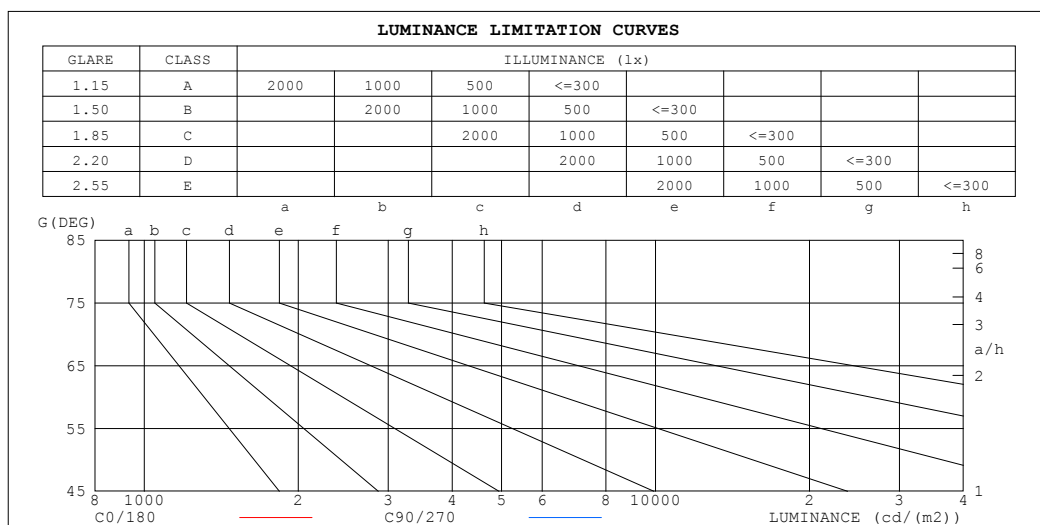
%lamp = 77.9%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-12

□ Range: 0 - 180DEG
□ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.503*0.235	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	275	591
80	360	494
75	520	567
70	526	556
65	585	605
60	581	596
55	613	624
50	606	615
45	625	632

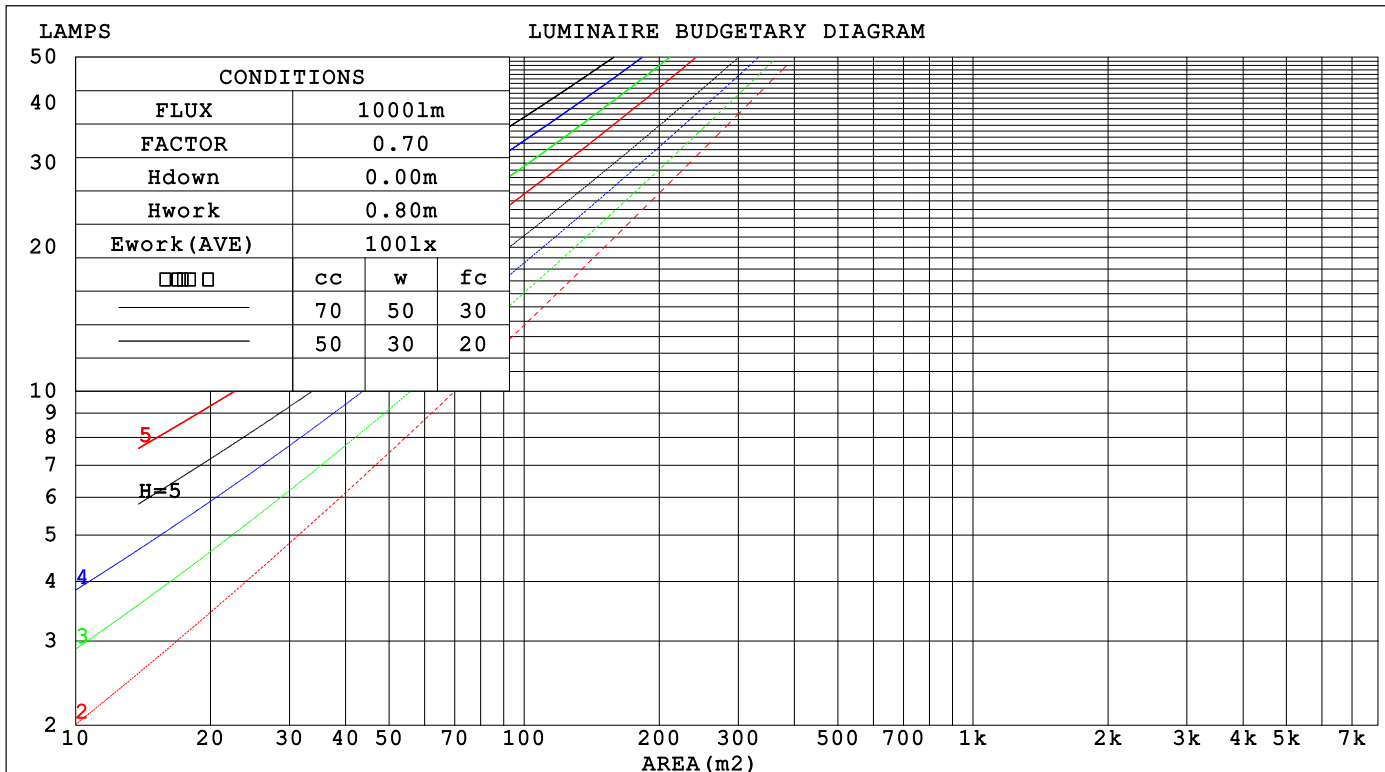
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-12

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity: 65.0%
 Test Distance: 5.749m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.503*0.235	Shielding Angle:

<input type="checkbox"/> cc	80%			70%			50%			30%			10%			0
<input type="checkbox"/> w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
<input type="checkbox"/> fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-12

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

WEC AND CCEC

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.503*0.235	Shielding Angle:

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)					
0.0						
1.0	.309 .176 .056	.302 .172 .055	.288 .165 .053	.275 .159 .051	.263 .153 .049	
2.0	.291 .160 .049	.285 .157 .048	.273 .152 .047	.261 .147 .046	.251 .142 .045	
3.0	.270 .144 .043	.264 .141 .043	.253 .137 .042	.243 .133 .041	.234 .129 .040	
4.0	.249 .130 .038	.244 .128 .038	.234 .124 .037	.225 .121 .037	.217 .118 .036	
5.0	.230 .117 .034	.226 .116 .034	.217 .113 .033	.209 .110 .033	.202 .108 .032	
6.0	.214 .107 .031	.210 .106 .030	.202 .104 .030	.195 .101 .030	.188 .099 .029	
7.0	.199 .098 .028	.195 .097 .028	.188 .095 .027	.182 .093 .027	.176 .091 .027	
8.0	.186 .091 .026	.183 .090 .025	.176 .088 .025	.171 .086 .025	.165 .085 .025	
9.0	.174 .084 .024	.171 .083 .023	.166 .082 .023	.160 .080 .023	.155 .079 .023	
10.0	.164 .078 .022	.161 .078 .022	.156 .076 .022	.151 .075 .021	.147 .074 .021	

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)					
0.0	.199 .199 .199	.170 .170 .170	.116 .116 .116	.067 .067 .067	.021 .021 .021	
1.0	.189 .165 .143	.162 .141 .123	.110 .097 .085	.064 .056 .049	.020 .018 .016	
2.0	.181 .140 .107	.155 .121 .092	.106 .084 .064	.061 .049 .038	.020 .016 .012	
3.0	.173 .123 .083	.148 .106 .072	.102 .074 .050	.059 .043 .030	.019 .014 .010	
4.0	.166 .110 .067	.142 .095 .058	.098 .066 .041	.057 .039 .024	.018 .013 .008	
5.0	.158 .099 .056	.136 .086 .049	.094 .060 .034	.054 .035 .020	.017 .011 .007	
6.0	.151 .091 .048	.130 .079 .042	.090 .055 .029	.052 .032 .018	.017 .011 .006	
7.0	.144 .084 .042	.124 .073 .037	.086 .051 .026	.050 .030 .015	.016 .010 .005	
8.0	.138 .078 .037	.119 .068 .033	.082 .048 .023	.048 .028 .014	.015 .009 .005	
9.0	.132 .073 .034	.113 .064 .030	.079 .045 .021	.046 .026 .013	.015 .009 .004	
10.0	.126 .069 .031	.109 .060 .027	.075 .042 .019	.044 .025 .012	.014 .008 .004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-12

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME:	TYPE:					WEIGHT:				
SPEC.:	DIM.:					SERIAL No.:				
MFR.:	SUR.: 0.503*0.235					Shielding Angle:				
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	11.4	12.9	11.7	13.1	13.3	11.5	13.0	11.7	13.2	13.4
3H	12.9	14.3	13.2	14.5	14.8	13.0	14.4	13.4	14.7	15.0
4H	13.5	14.8	13.8	15.1	15.3	13.7	15.0	14.0	15.3	15.6
6H	13.8	15.0	14.1	15.3	15.6	14.2	15.4	14.5	15.7	16.0
8H	13.8	15.1	14.2	15.4	15.7	14.3	15.6	14.7	15.9	16.2
12H	13.8	15.0	14.2	15.3	15.6	14.5	15.6	14.9	16.0	16.3
4H 2H	12.0	13.3	12.3	13.6	13.9	12.0	13.4	12.4	13.6	13.9
3H	13.7	14.8	14.0	15.1	15.5	13.8	15.0	14.2	15.3	15.6
4H	14.4	15.4	14.8	15.8	16.1	14.6	15.6	15.0	16.0	16.3
6H	14.8	15.8	15.2	16.1	16.5	15.2	16.1	15.6	16.5	16.9
8H	14.9	15.8	15.3	16.2	16.6	15.4	16.3	15.9	16.7	17.1
12H	14.9	15.7	15.4	16.2	16.6	15.6	16.4	16.1	16.8	17.3
8H 4H	14.6	15.5	15.1	15.9	16.3	14.8	15.7	15.2	16.1	16.5
6H	15.2	16.0	15.7	16.4	16.8	15.6	16.3	16.0	16.7	17.2
8H	15.4	16.0	15.9	16.5	17.0	15.9	16.6	16.4	17.0	17.5
12H	15.5	16.0	16.0	16.5	17.0	16.2	16.8	16.7	17.2	17.7
12H 4H	14.6	15.4	15.1	15.9	16.3	14.8	15.6	15.3	16.0	16.5
6H	15.3	15.9	15.8	16.4	16.8	15.6	16.3	16.1	16.7	17.2
8H	15.5	16.0	16.0	16.5	17.0	16.0	16.5	16.5	17.0	17.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 932.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.2)
Area: 0.503 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-12

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

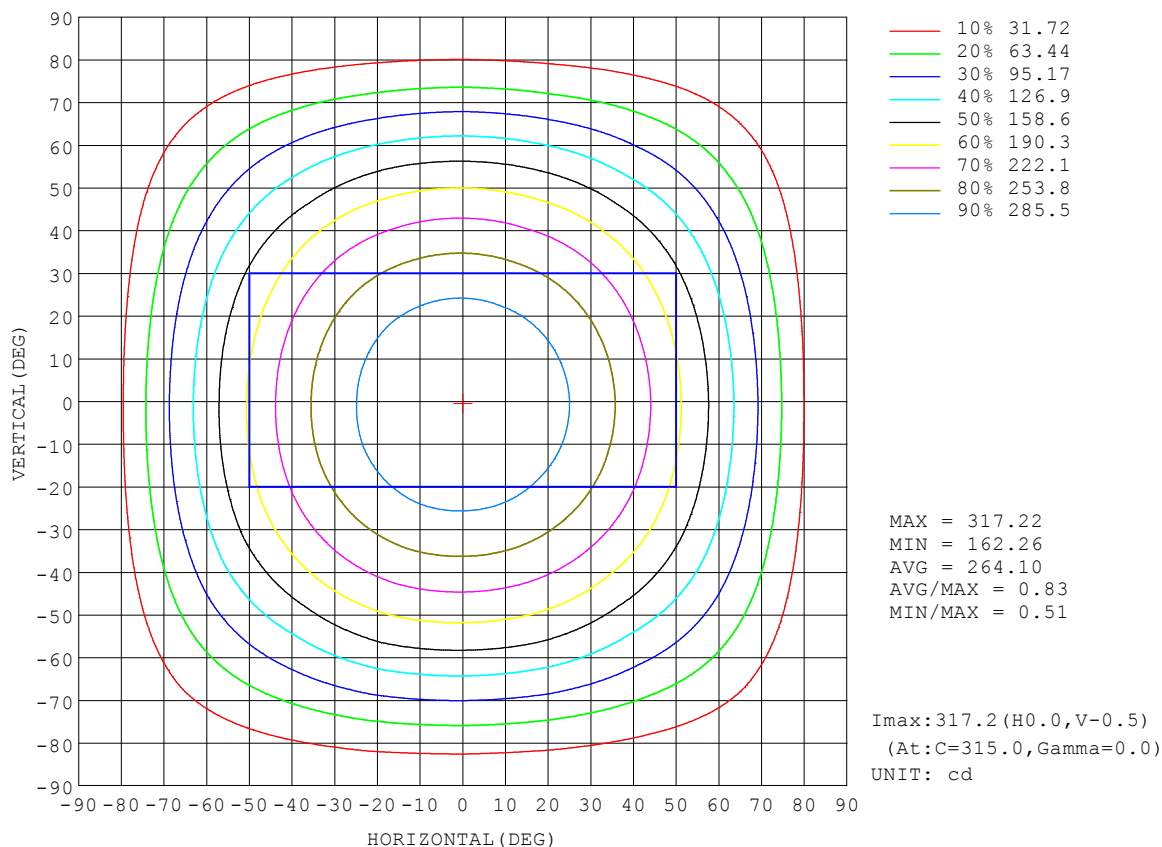
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Range: 0 - 180DEG
Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

```

ISOCANDELA DIAGRAM

NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. : 0.503*0.235	Shielding Angle :

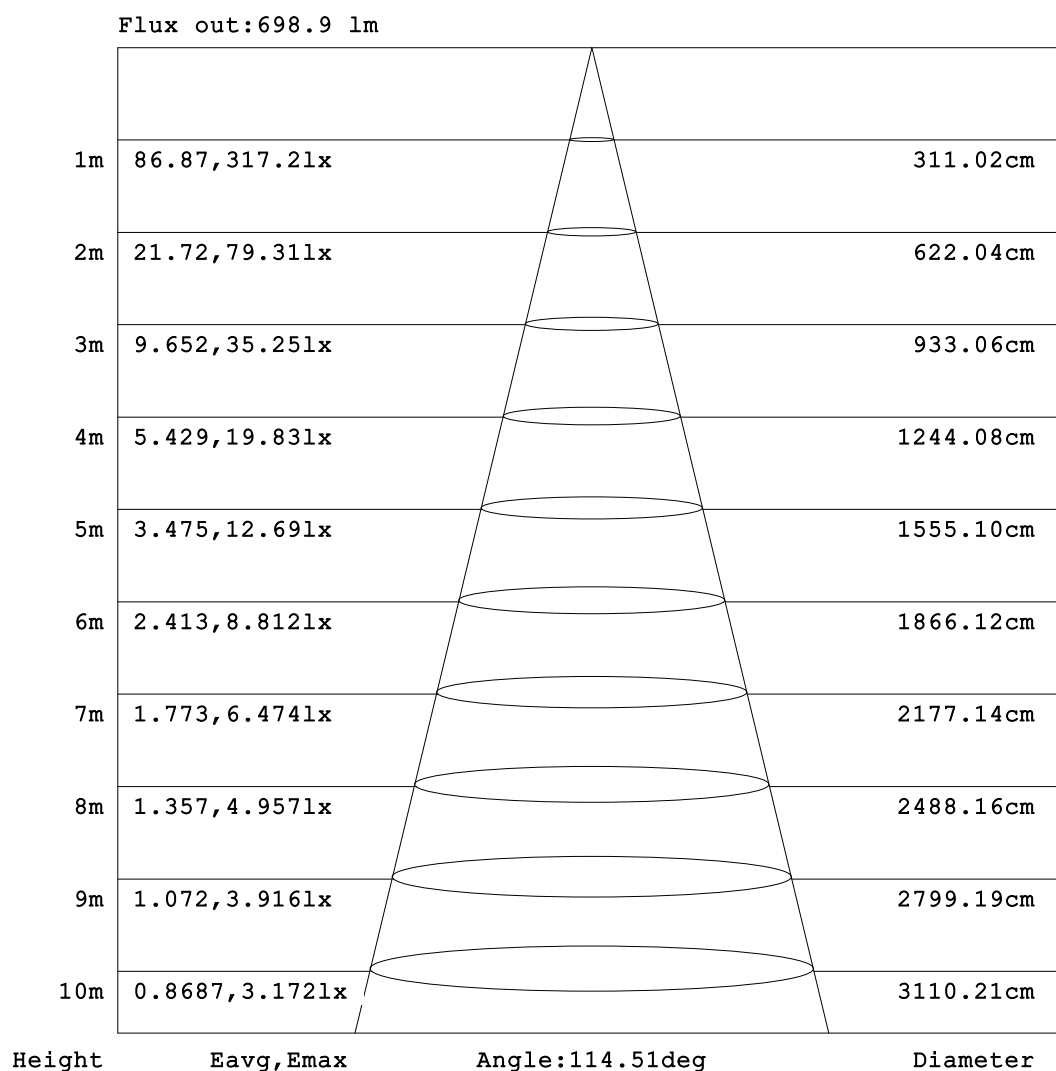


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-05-12

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 5.749m [K=1.0000]
Remarks:

AAI Figure

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.503*0.235	Shielding Angle:



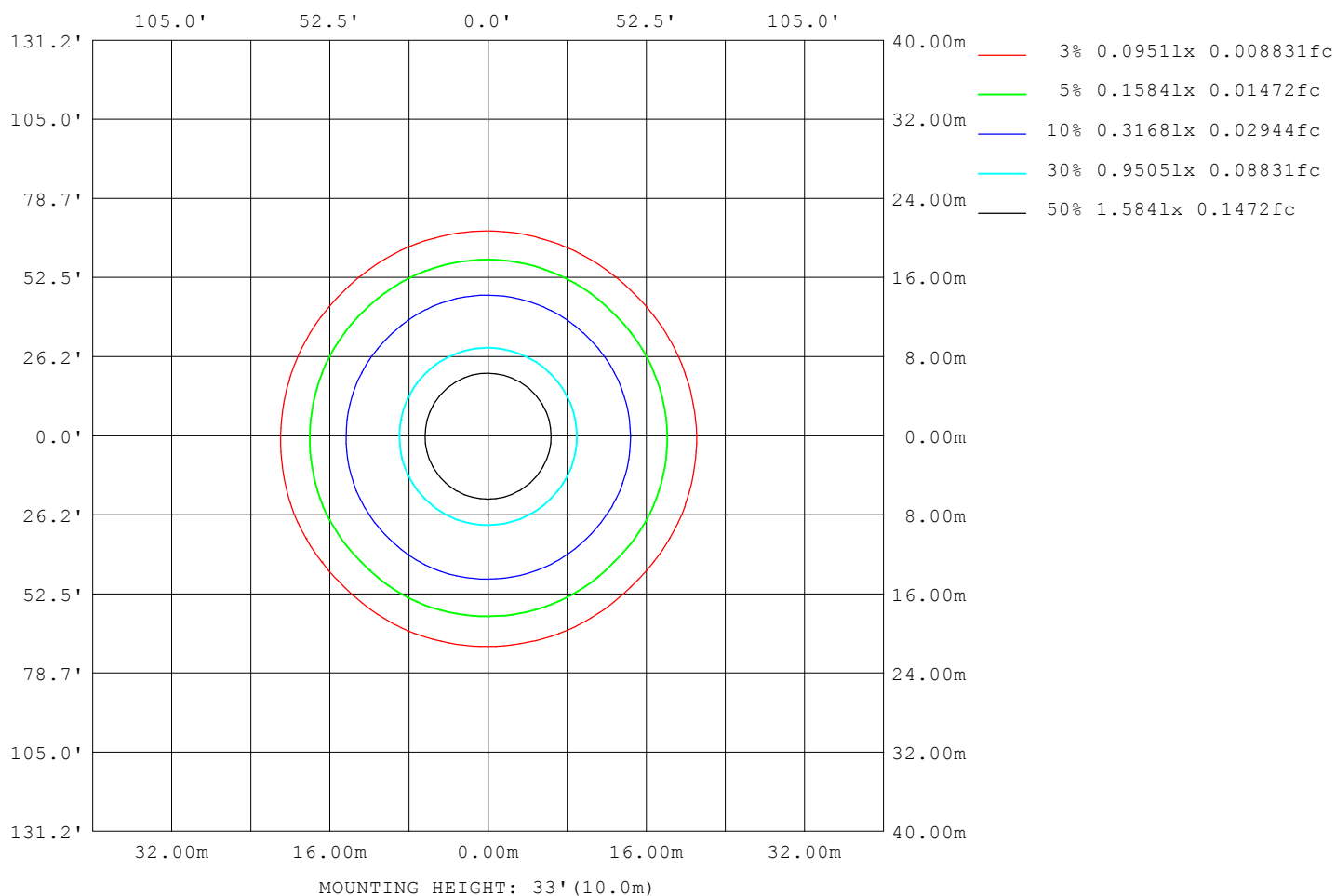
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-12

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity:65.0%
 Test Distance:5.749m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.503*0.235	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-05-12

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 5.749m [K=1.0000]
Remarks:

LED Avg.L Report

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.503*0.235	Shielding Angle:

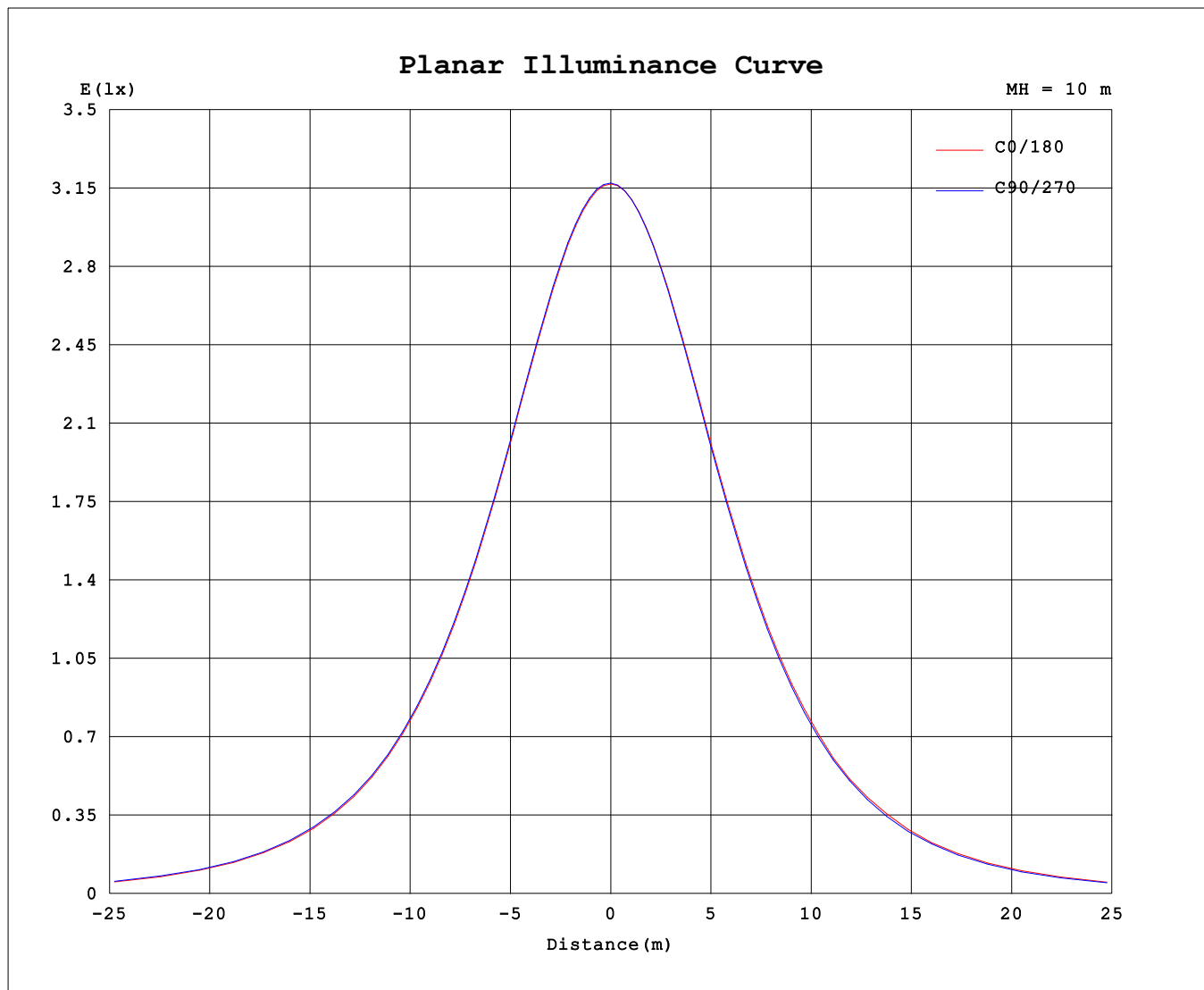
AvgL	cd/m2
L_0~180 (65) av	553
L_0~180 (75) av	465
L_0~180 (85) av	203
L_90~270 (65) av	551
L_90~270 (75) av	477
L_90~270 (85) av	392
L_45 (65) av	535
L_45 (75) av	456
L_45 (85) av	332

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-05-12

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 5.749m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-05-12

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 5.749m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. : 0.503*0.235	Shielding Angle :

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317			
5	316	316	316	316	317	317	317	316	316	316	316	316	316	316	316	316			
10	312	312	312	312	313	313	313	312	312	312	312	311	311	311	311	312			
15	307	307	307	308	308	308	308	308	307	307	307	306	306	306	306	306			
20	297	297	297	298	298	299	298	298	297	296	296	295	295	295	295	296			
25	288	289	289	289	289	290	290	289	288	287	287	286	286	285	286	287			
30	272	273	273	273	274	275	274	273	272	271	271	270	269	268	269	271			
35	260	260	260	261	261	262	262	261	259	258	258	257	256	255	256	258			
40	238	239	239	240	240	241	241	240	238	237	236	235	234	233	234	236			
45	222	223	223	224	225	226	225	224	222	220	219	218	217	216	218	220			
50	196	197	196	198	199	200	199	198	193	192	192	190	190	189	190	193			
55	177	178	176	179	180	181	178	177	176	173	170	171	170	169	169	173			
60	146	148	145	149	150	151	146	147	143	142	138	139	138	137	136	142			
65	124	126	123	127	129	129	124	126	122	119	116	117	117	115	114	120			
70	90.5	91.3	90.2	94.3	95.5	96.0	92.2	91.4	87.7	84.8	82.7	81.9	82.9	81.0	81.4	84.6			
75	67.8	68.2	68.5	71.8	73.8	73.6	70.5	68.6	64.8	61.4	60.2	60.2	61.0	58.9	59.6	62.1			
80	31.5	36.0	37.5	41.2	43.2	42.6	39.5	35.9	28.8	30.1	30.7	31.4	32.0	30.4	29.9	30.3			
85	12.0	17.9	20.6	24.1	25.9	25.6	22.1	18.2	10.6	13.0	14.9	15.3	15.9	14.5	14.5	14.0			
90	0.75	1.88	2.62	3.10	3.32	4.48	3.21	1.73	0.39	0.78	0.81	0.68	0.37	0.69	1.16	1.19			
95	0.47	0.46	0.51	0.55	0.47	0.55	0.50	0.50	0.44	0.45	0.47	0.50	0.48	0.50	0.48	0.44			
100	0.73	0.72	0.72	0.73	0.74	0.74	0.72	0.74	0.66	0.67	0.68	0.71	0.72	0.71	0.68	0.64			
105	0.93	0.91	0.91	0.92	0.94	0.92	0.91	0.92	0.83	0.82	0.84	0.87	0.89	0.87	0.84	0.80			
110	1.25	1.22	1.21	1.23	1.24	1.22	1.20	1.23	1.10	1.09	1.09	1.11	1.15	1.12	1.08	1.06			
115	1.45	1.41	1.41	1.41	1.43	1.41	1.40	1.42	1.28	1.26	1.26	1.28	1.31	1.29	1.26	1.24			
120	1.72	1.68	1.69	1.69	1.69	1.68	1.69	1.70	1.53	1.51	1.52	1.53	1.55	1.54	1.51	1.48			
125	1.89	1.84	1.86	1.86	1.87	1.86	1.87	1.87	1.69	1.67	1.68	1.70	1.71	1.70	1.66	1.64			
130	2.12	2.07	2.07	2.09	2.09	2.10	2.11	2.11	1.92	1.91	1.90	1.91	1.91	1.90	1.86	1.86			
135	2.27	2.20	2.20	2.21	2.22	2.25	2.25	2.26	2.06	2.05	2.03	2.04	2.01	2.01	1.98	1.99			
140	2.46	2.39	2.36	2.37	2.39	2.44	2.45	2.47	2.25	2.26	2.23	2.23	2.16	2.15	2.15	2.18			
145	2.58	2.50	2.46	2.46	2.50	2.56	2.58	2.59	2.38	2.39	2.36	2.34	2.27	2.24	2.24	2.30			
150	2.73	2.65	2.60	2.59	2.65	2.72	2.76	2.77	2.55	2.58	2.55	2.51	2.43	2.38	2.40	2.47			
155	2.84	2.75	2.70	2.69	2.77	2.83	2.88	2.88	2.67	2.71	2.68	2.64	2.55	2.50	2.51	2.59			
160	2.99	2.91	2.85	2.86	2.94	3.01	3.05	3.05	2.86	2.91	2.88	2.85	2.76	2.69	2.70	2.80			
165	3.10	3.03	2.97	2.98	3.08	3.14	3.17	3.16	3.00	3.06	3.04	3.01	2.93	2.85	2.84	2.94			
170	3.22	3.18	3.16	3.20	3.30	3.35	3.33	3.28	3.15	3.21	3.25	3.27	3.21	3.12	3.09	3.13			
175	3.28	3.26	3.28	3.36	3.48	3.47	3.41	3.34	3.25	3.28	3.35	3.43	3.43	3.32	3.26	3.25			
180	3.37	3.38	3.42	3.51	3.56	3.52	3.45	3.40	3.37	3.38	3.42	3.51	3.56	3.53	3.45	3.40			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2022-05-12

□ Range: 0 - 180DEG

□ Interval: 2.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450

Humidity:65.0%

Test Distance:5.749m [K=1.0000]

Remarks: