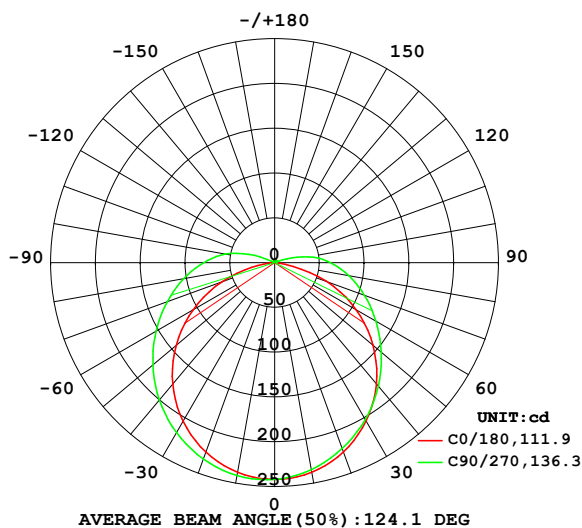


LUMINAIRE PHOTOMETRIC TEST REPORT

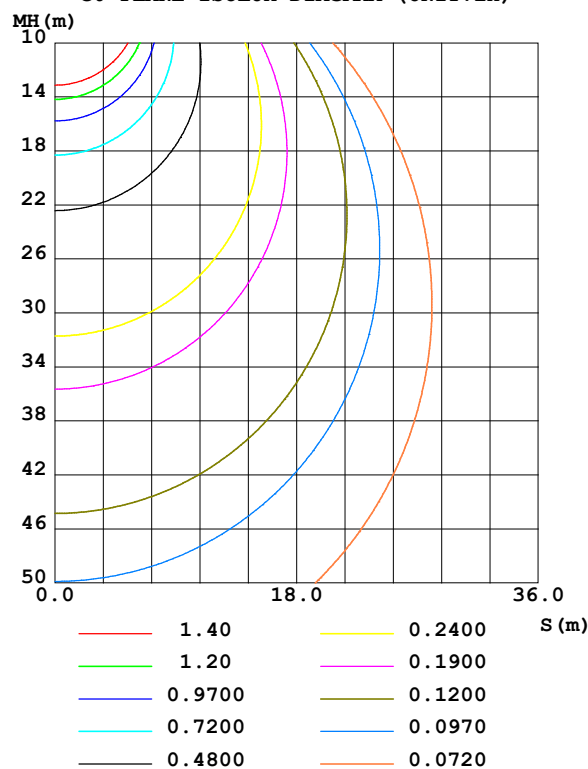
NAME: DL12-W30-V24	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 88.06 lm/W
MODEL		I _{max} (cd)	242.7	S/MH (C0/180)		1.26
NOMINAL POWER(W)	10	LOR (%)	100.0	S/MH (C90/270)		1.35
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	874.04	<input type="checkbox"/> UP, DN (C0-180)		2.9,44.3
NOMINAL FLUX(lm)	874.035	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)		3.9,48.8
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	6.8	CIBSE SHR NOM		1.50
TEST VOLTAGE(V)	24	<input type="checkbox"/> down (%)	93.2	CIBSE SHR MAX		1.50

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: 2022-07-13

☐ 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	237.7	235.4	234.7	235.7	237.7	240.4	241.4	240.2	0- 10	22.91	22.91	2.62,2.62
20	224.9	221.0	220.8	221.6	225.0	230.5	233.1	230.2	10- 20	65.71	88.62	10.1,10.1
30	204.3	200.0	202.3	201.2	204.5	213.4	219.1	213.2	20- 30	100.2	188.8	21.6,21.6
40	176.7	173.7	180.1	176.1	177.1	190.6	200.2	190.6	30- 40	122.6	311.4	35.6,35.6
50	143.3	145.7	155.4	147.6	143.5	163.1	177.4	163.5	40- 50	130.8	442.2	50.6,50.6
60	105.1	115.5	130.4	117.8	105.0	133.2	152.7	134.2	50- 60	125.0	567.1	64.9,64.9
70	61.60	87.03	106.8	89.39	62.12	103.1	127.6	105.0	60- 70	107.6	674.8	77.2,77.2
80	11.61	61.78	83.86	64.23	19.27	75.34	103.0	77.68	70- 80	82.75	757.5	86.7,86.7
90	0.3719	39.83	62.34	42.20	0.4479	50.62	79.28	53.55	80- 90	56.98	814.5	93.2,93.2
100	0.6602	16.03	38.21	17.95	0.5870	27.28	56.17	30.28	90-100	35.49	850.0	97.2,97.2
110	1.118	1.761	9.815	1.723	0.9686	1.706	24.54	2.462	100-110	14.30	864.3	98.9,98.9
120	1.576	1.948	2.118	1.781	1.386	1.432	1.665	1.515	110-120	2.718	867.0	99.2,99.2
130	1.969	2.177	2.301	2.061	1.772	1.696	1.843	1.791	120-130	1.620	868.6	99.4,99.4
140	2.320	2.434	2.474	2.332	2.118	1.973	2.040	2.073	130-140	1.610	870.2	99.6,99.6
150	2.625	2.703	2.650	2.583	2.445	2.251	2.247	2.365	140-150	1.474	871.7	99.7,99.7
160	2.914	2.944	2.897	2.828	2.778	2.571	2.551	2.665	150-160	1.210	872.9	99.9,99.9
170	3.209	3.182	3.127	3.089	3.131	2.954	2.900	3.002	160-170	0.8218	873.7	100,100
180	3.431	3.351	3.293	3.346	3.427	3.344	3.291	3.343	170-180	0.3030	874.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 389.8 lm

%lum = 44.6%

%lamp = 44.6%

Conical surface Flux(120deg): 567.12 lm

%lum = 64.9%

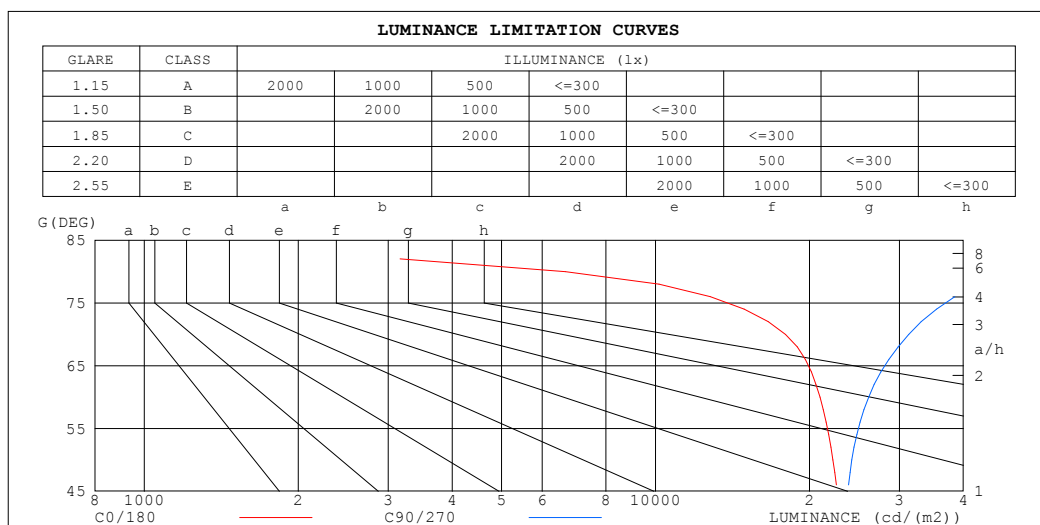
%lamp = 64.9%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-13

□ 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: DL12-W30-V24	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	451	86049
80	6670	48366
75	15868	37747
70	17960	31266
65	20941	28640
60	20967	26118
55	22352	25376
50	22240	24216
45	23133	24136

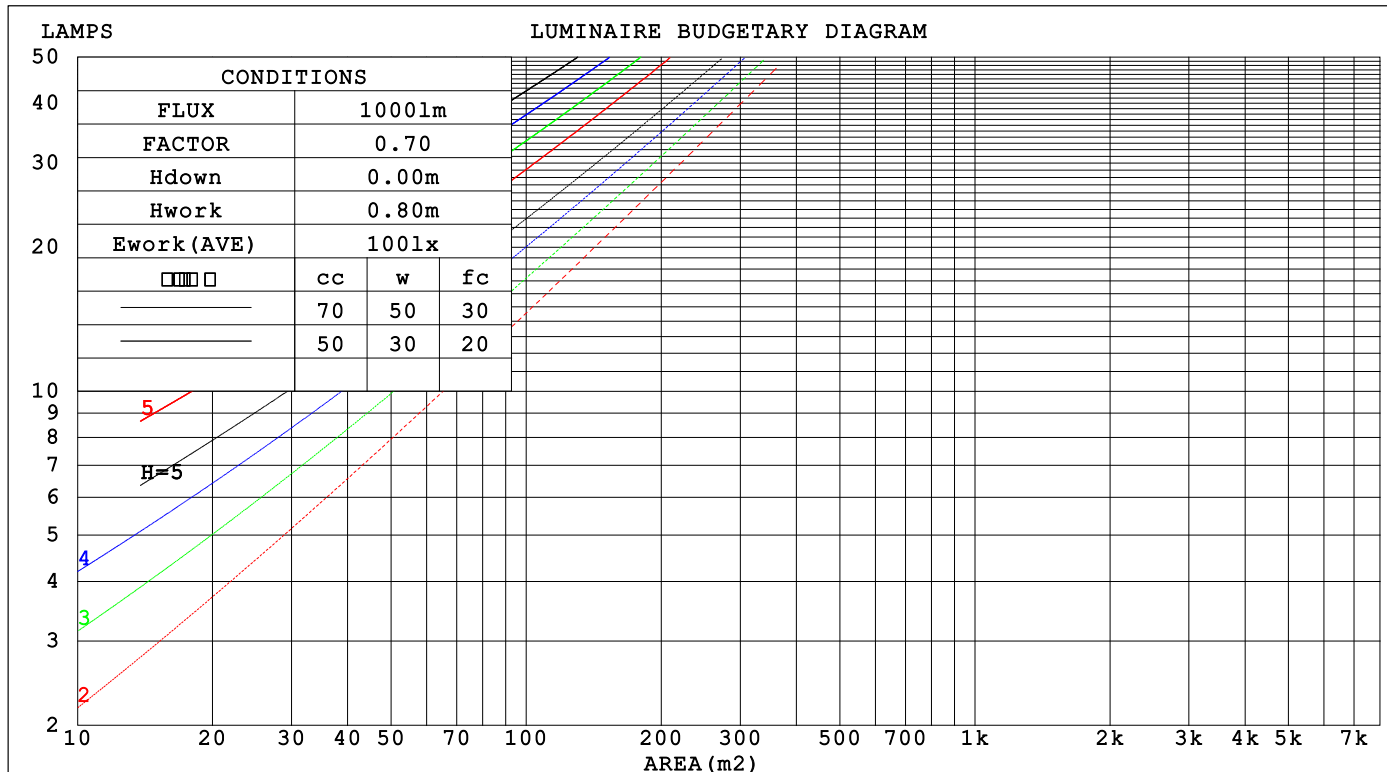
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-07-13

☐ 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: DL12-W30-V24	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	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:2022-07-13

☐ 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: DL12-W30-V24	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	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	.373 .212 .067	.364 .208 .066	.346 .199 .063	.330 .191 .061	.316 .183 .059	
2.0	.328 .180 .055	.320 .176 .054	.304 .169 .053	.290 .163 .051	.277 .156 .049	
3.0	.294 .156 .047	.287 .153 .046	.273 .148 .045	.260 .142 .044	.248 .137 .042	
4.0	.266 .138 .041	.259 .136 .040	.247 .131 .039	.235 .126 .038	.224 .122 .037	
5.0	.242 .124 .036	.237 .121 .035	.225 .117 .035	.215 .113 .034	.205 .110 .033	
6.0	.223 .112 .032	.217 .110 .032	.207 .106 .031	.198 .103 .030	.189 .099 .030	
7.0	.206 .102 .029	.201 .100 .029	.192 .097 .028	.183 .094 .027	.175 .091 .027	
8.0	.191 .093 .026	.187 .092 .026	.178 .089 .025	.171 .086 .025	.163 .084 .024	
9.0	.178 .086 .024	.174 .085 .024	.167 .082 .023	.160 .080 .023	.153 .078 .022	
10.0	.167 .080 .022	.163 .079 .022	.156 .077 .022	.150 .074 .021	.144 .072 .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	.242 .242 .242	.207 .207 .207	.141 .141 .141	.081 .081 .081	.026 .026 .026	
1.0	.237 .208 .182	.203 .178 .156	.139 .123 .108	.080 .071 .063	.026 .023 .020	
2.0	.230 .184 .146	.197 .159 .126	.135 .110 .088	.078 .064 .052	.025 .021 .017	
3.0	.222 .167 .124	.190 .144 .107	.131 .100 .075	.075 .059 .044	.024 .019 .015	
4.0	.214 .155 .109	.184 .134 .095	.126 .093 .067	.073 .055 .039	.024 .018 .013	
5.0	.206 .144 .099	.177 .125 .086	.122 .087 .061	.071 .051 .036	.023 .017 .012	
6.0	.199 .136 .091	.171 .118 .080	.118 .083 .056	.068 .049 .033	.022 .016 .011	
7.0	.192 .130 .086	.165 .112 .075	.114 .079 .053	.066 .046 .032	.021 .015 .010	
8.0	.185 .124 .082	.159 .107 .071	.110 .075 .051	.064 .044 .030	.021 .015 .010	
9.0	.179 .119 .079	.154 .103 .069	.107 .073 .049	.062 .043 .029	.020 .014 .010	
10.0	.173 .115 .076	.149 .100 .066	.103 .070 .047	.060 .041 .028	.020 .014 .009	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-13

☐ 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: DL12-W30-V24					TYPE:		WEIGHT:				
SPEC.:					DIM.:		SERIAL No.:				
MFR.:					SUR.: 0.012*1		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	23.0	24.6	23.4	24.9	25.2	24.0	25.5	24.4	25.9	26.2	
	3H	24.5	25.9	24.9	26.3	26.7	26.4	27.8	26.8	28.1	28.5
	4H	25.0	26.4	25.5	26.8	27.2	27.6	29.0	28.1	29.4	29.8
	6H	25.2	26.5	25.7	26.9	27.3	29.0	30.3	29.5	30.7	31.1
	8H	25.2	26.4	25.7	26.9	27.3	29.8	31.0	30.3	31.4	31.9
	12H	25.2	26.4	25.6	26.8	27.2	30.7	31.9	31.1	32.3	32.7
4H	2H	23.9	25.2	24.3	25.6	26.0	24.6	25.9	25.0	26.3	26.7
	3H	25.6	26.8	26.0	27.2	27.6	27.2	28.4	27.6	28.8	29.2
	4H	26.3	27.4	26.8	27.8	28.3	28.7	29.7	29.1	30.2	30.7
	6H	26.7	27.7	27.2	28.1	28.7	30.3	31.3	30.8	31.7	32.2
	8H	26.8	27.7	27.3	28.2	28.7	31.2	32.1	31.7	32.6	33.1
	12H	26.8	27.6	27.3	28.1	28.7	32.2	33.0	32.7	33.5	34.1
8H	4H	27.0	28.0	27.6	28.4	29.0	29.0	29.9	29.5	30.4	30.9
	6H	27.8	28.6	28.4	29.1	29.7	30.9	31.7	31.5	32.2	32.8
	8H	28.1	28.8	28.7	29.3	29.9	32.0	32.7	32.6	33.2	33.8
	12H	28.3	28.9	28.9	29.4	30.1	33.3	33.9	33.9	34.4	35.1
12H	4H	27.3	28.1	27.8	28.6	29.2	29.0	29.9	29.6	30.4	30.9
	6H	28.2	28.9	28.8	29.5	30.1	31.0	31.7	31.6	32.3	32.9
	8H	28.7	29.3	29.3	29.8	30.5	32.2	32.8	32.8	33.4	34.0
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.1 / - 0.2					+ 0.2 / - 0.3					
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117, 874.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.5)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-13

☐ 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:

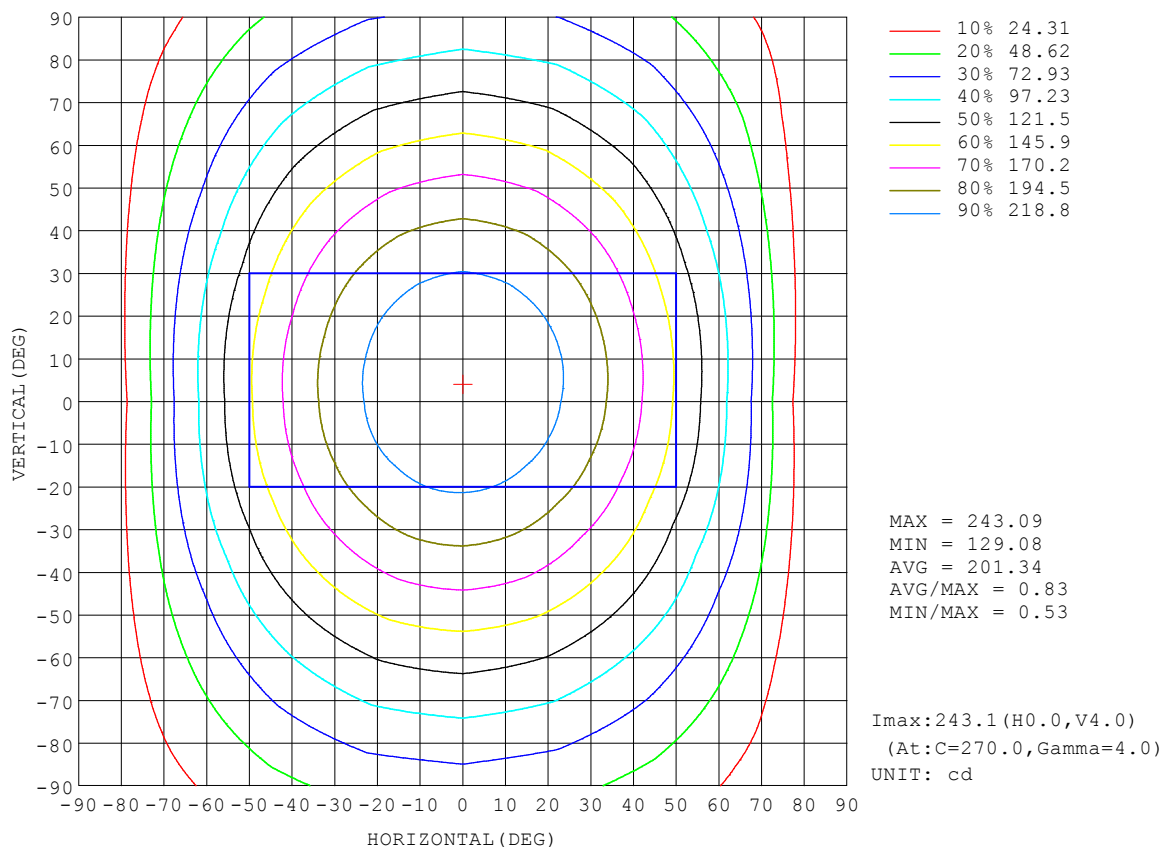
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Range: 0 - 180DEG
Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

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ISOCANDELA DIAGRAM

NAME: DL12-W30-V24	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:

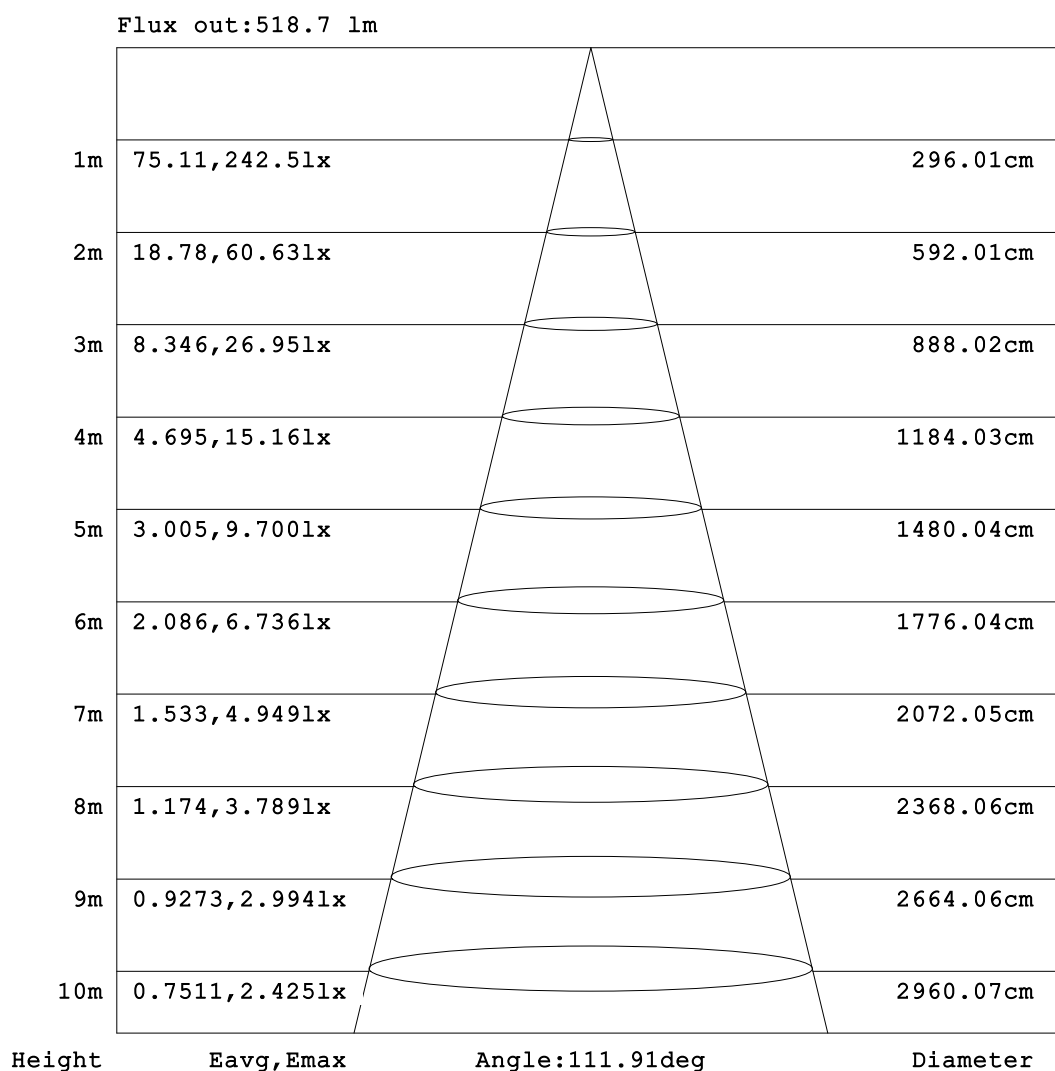


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-13

☐ 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: DL12-W30-V24	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:



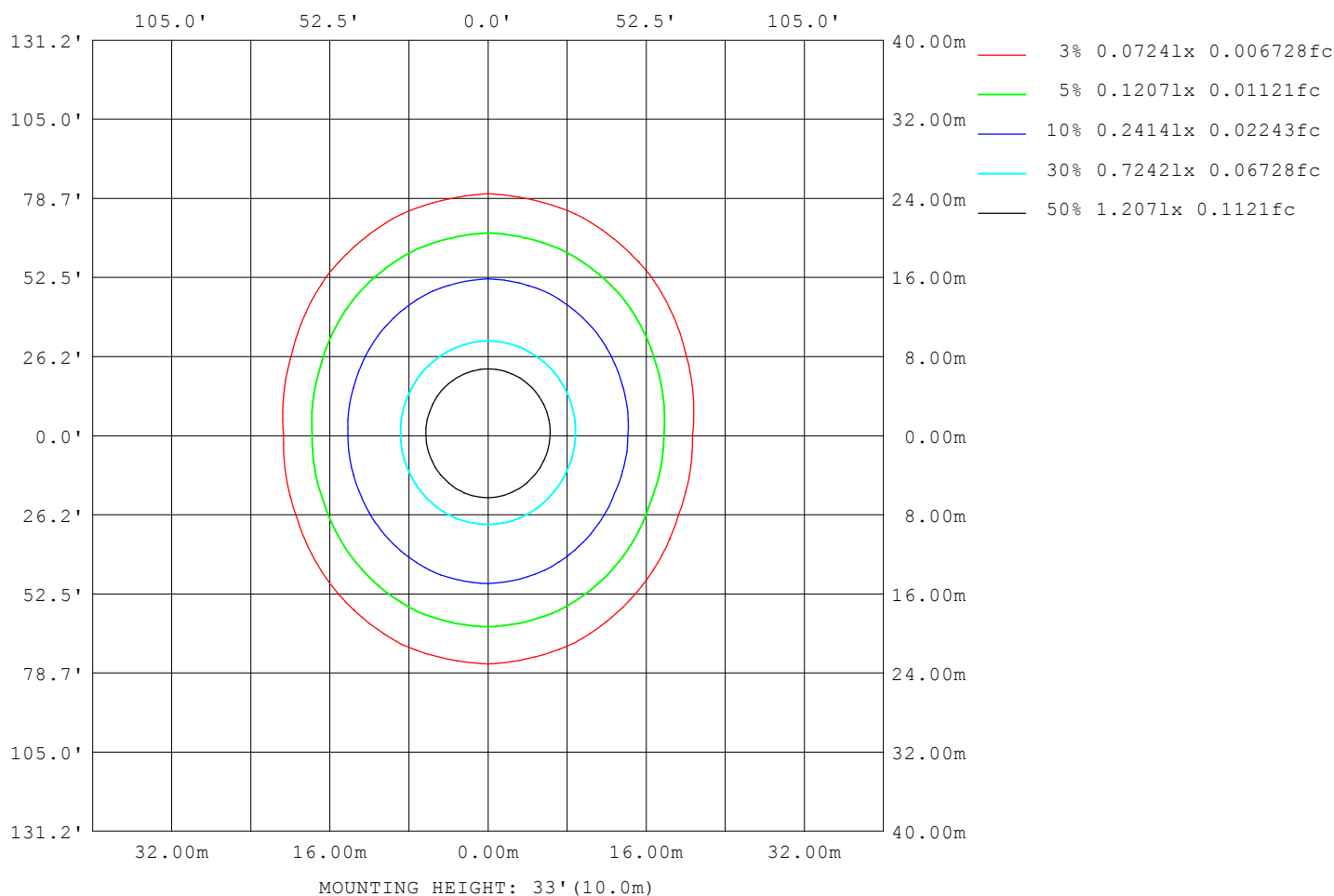
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-07-13

☐ 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: DL12-W30-V24	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-13

☐ 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: DL12-W30-V24	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:

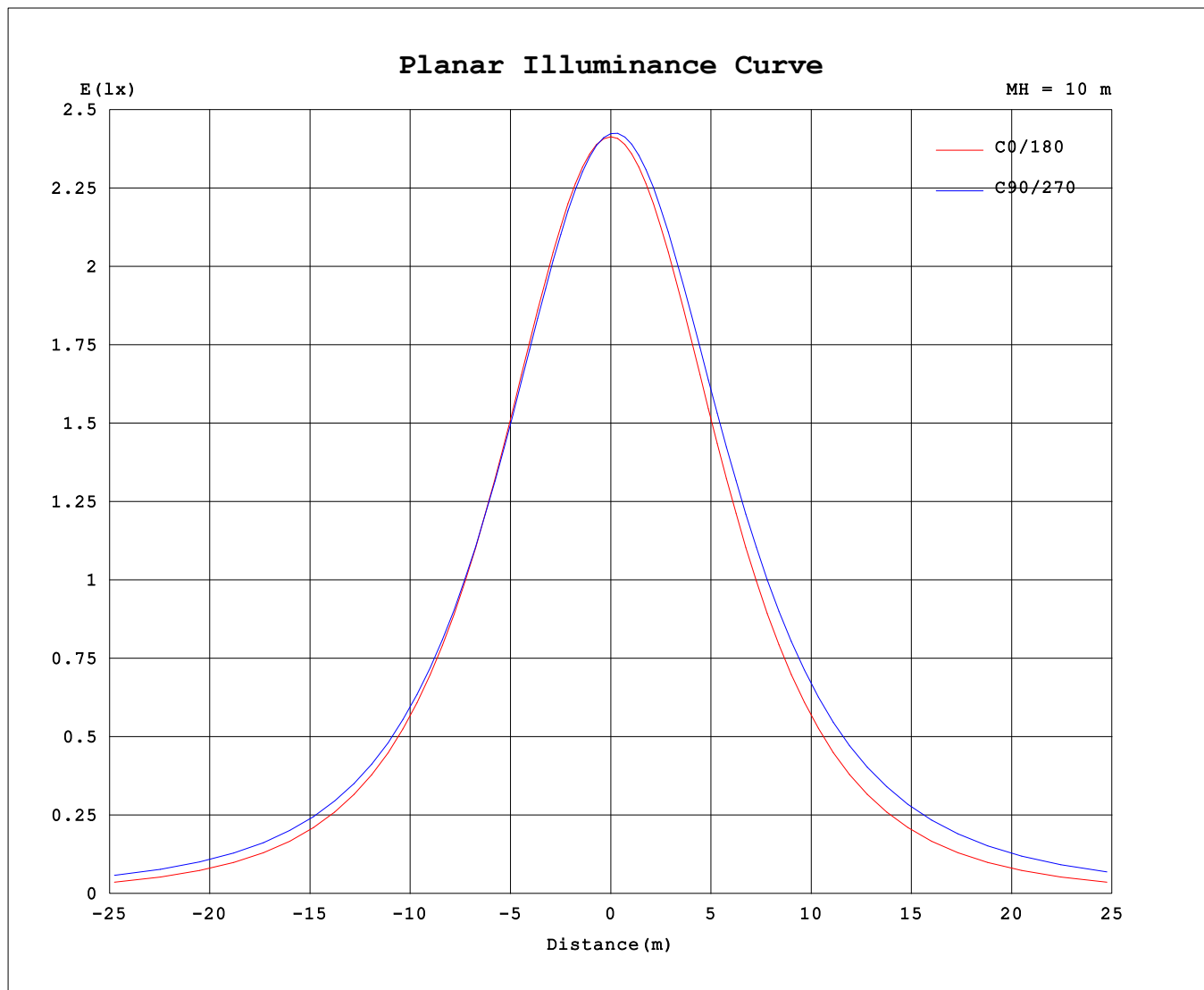
AvgL	cd/m2
L_0~180 (65) av	19971
L_0~180 (75) av	14560
L_0~180 (85) av	3294
L_90~270 (65) av	30603
L_90~270 (75) av	40658
L_90~270 (85) av	93980
L_45 (65) av	26122
L_45 (75) av	31923
L_45 (85) av	66238

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-13

☐ 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: 2022-07-13

☐ 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: DL12-W30-V24	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	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	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242			
5	241	241	240	240	240	240	240	241	241	242	242	243	243	243	242	242			
10	238	236	235	235	235	235	236	237	238	239	240	241	241	241	240	239			
15	234	232	230	230	230	230	231	232	234	235	237	238	239	238	237	235			
20	225	223	221	221	221	221	222	223	225	228	231	232	233	232	230	227			
25	217	215	213	214	214	214	214	215	218	221	225	227	228	227	224	221			
30	204	201	200	201	202	202	201	202	204	208	213	217	219	217	213	208			
35	194	191	190	192	194	194	192	192	194	199	205	210	212	210	205	199			
40	177	173	174	178	180	179	176	174	177	182	191	197	200	197	191	182			
45	164	161	163	168	170	169	165	162	164	170	180	188	191	188	180	171			
50	143	140	146	153	155	154	148	142	143	151	163	173	177	173	163	151			
55	129	126	134	142	145	143	136	129	129	137	151	163	168	163	152	138			
60	105	104	116	126	130	128	118	107	105	115	133	147	153	148	134	117			
65	88.7	91.1	104	116	121	118	106	92.9	88.5	101	121	136	143	137	122	102			
70	61.6	70.1	87.0	101	107	103	89.4	72.1	62.1	78.6	103	121	128	121	105	81.1			
75	41.2	57.0	76.7	91.8	97.6	93.4	78.9	59.2	43.7	65.0	91.7	110	118	111	93.8	68.1			
80	11.6	39.6	61.8	77.9	83.9	79.5	64.2	42.1	19.3	46.5	75.3	95.1	103	96.3	77.7	49.8			
85	0.39	29.4	52.4	68.8	74.9	70.4	54.9	32.1	7.71	35.5	65.3	85.6	93.4	86.7	67.7	38.7			
90	0.37	17.2	39.8	56.2	62.3	57.7	42.2	19.1	0.45	21.9	50.6	71.5	79.3	72.6	53.5	24.9			
95	0.46	9.76	32.0	48.4	54.4	49.8	34.5	11.5	0.42	14.3	41.9	62.5	70.2	63.7	45.0	17.4			
100	0.66	1.19	16.0	32.1	38.2	33.6	17.9	1.31	0.59	1.63	27.3	47.3	56.2	49.5	30.3	2.90			
105	0.82	1.19	6.55	20.5	26.1	21.8	7.90	1.15	0.73	0.87	14.1	34.2	44.0	37.2	18.7	0.94			
110	1.12	1.32	1.76	5.60	9.81	6.48	1.72	1.27	0.97	0.99	1.71	16.2	24.5	17.8	2.46	1.02			
115	1.31	1.44	1.82	2.05	2.80	2.05	1.77	1.38	1.14	1.12	1.31	4.00	9.40	4.69	1.43	1.15			
120	1.58	1.65	1.95	2.10	2.12	2.06	1.78	1.60	1.39	1.33	1.43	1.61	1.66	1.66	1.52	1.36			
125	1.74	1.80	2.03	2.17	2.19	2.14	1.89	1.74	1.55	1.47	1.53	1.67	1.72	1.72	1.62	1.50			
130	1.97	2.03	2.18	2.28	2.30	2.21	2.06	1.95	1.77	1.67	1.70	1.79	1.84	1.85	1.79	1.73			
135	2.11	2.18	2.28	2.36	2.37	2.29	2.17	2.08	1.92	1.81	1.81	1.88	1.92	1.94	1.90	1.87			
140	2.32	2.38	2.43	2.48	2.47	2.43	2.33	2.27	2.12	1.99	1.97	2.02	2.04	2.09	2.07	2.08			
145	2.45	2.51	2.54	2.56	2.55	2.52	2.43	2.39	2.25	2.12	2.08	2.12	2.12	2.18	2.19	2.22			
150	2.63	2.68	2.70	2.68	2.65	2.64	2.58	2.55	2.44	2.31	2.25	2.27	2.25	2.32	2.37	2.42			
155	2.74	2.79	2.80	2.76	2.75	2.73	2.68	2.67	2.58	2.44	2.38	2.38	2.35	2.41	2.49	2.55			
160	2.91	2.95	2.94	2.89	2.90	2.86	2.83	2.84	2.78	2.66	2.57	2.56	2.55	2.58	2.66	2.75			
165	3.04	3.06	3.04	2.98	3.00	2.94	2.93	2.96	2.91	2.81	2.72	2.68	2.70	2.70	2.80	2.89			
170	3.21	3.22	3.18	3.12	3.13	3.07	3.09	3.14	3.13	3.04	2.95	2.91	2.90	2.90	3.00	3.11			
175	3.31	3.31	3.27	3.21	3.21	3.18	3.21	3.27	3.26	3.20	3.12	3.07	3.05	3.05	3.15	3.23			
180	3.43	3.39	3.35	3.30	3.29	3.27	3.35	3.40	3.43	3.39	3.34	3.30	3.29	3.27	3.34	3.41			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2022-07-13

□ 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: